

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM123534

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator EOG RESOURCES INCORPORATED

3a. Address 1111 BAGBY SKY LOBBY 2, HOUSTON, TX 77030 3b. Phone No. (include area code)
(713) 651-70004. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 27/T24S/R34E/NMP

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. PEREGRINE 27 FED COM/403H

9. API Well No. 30-025-49876

10. Field and Pool or Exploratory Area
RED HILLS; BONE SPRING, EAST11. Country or Parish, State
LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Change BHL from T-25-S, R-34-E, Sec 3, 2531' FNL, 2199' FWL, Lea Co., NM,
to T-25-S, R-34-E, Sec 3, 2529' FNL, 1914' FWL, Lea Co., N.M.

Update casing and cement program to current design.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
STAR HARRELL / Ph: (432) 848-9161

Title Regulatory Specialist

Signature

Date 03/16/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 03/18/2022

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: TR K / 1820 FSL / 2127 FWL / TWSP: 24S / RANGE: 34E / SECTION: 27 / LAT: 32.1862778 / LONG: -103.4594868 (TVD: 0 feet, MD: 0 feet)

PPP: TR C / 0 FNL / 2199 FWL / TWSP: 25S / RANGE: 34E / SECTION: 34 / LAT: 32.1812747 / LONG: -103.4592429 (TVD: 10654 feet, MD: 13073 feet)

PPP: TR K / 2540 FSL / 2199 FWL / TWSP: 24S / RANGE: 34E / SECTION: 27 / LAT: 32.1882563 / LONG: -103.4592541 (TVD: 10389 feet, MD: 10431 feet)

BHL: TR F / 2531 FNL / 2199 FWL / TWSP: 25S / RANGE: 34E / SECTION: 3 / LAT: 32.1598075 / LONG: -103.4592083 (TVD: 10654 feet, MD: 20882 feet)

CONFIDENTIAL

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 49876		² Pool Code 97369	³ Pool Name Red Hills; Bone Spring, East
⁴ Property Code 325650	⁵ Property Name PEREGRINE 27 FED COM		⁶ Well Number 403H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3497'

¹⁰Surface Location

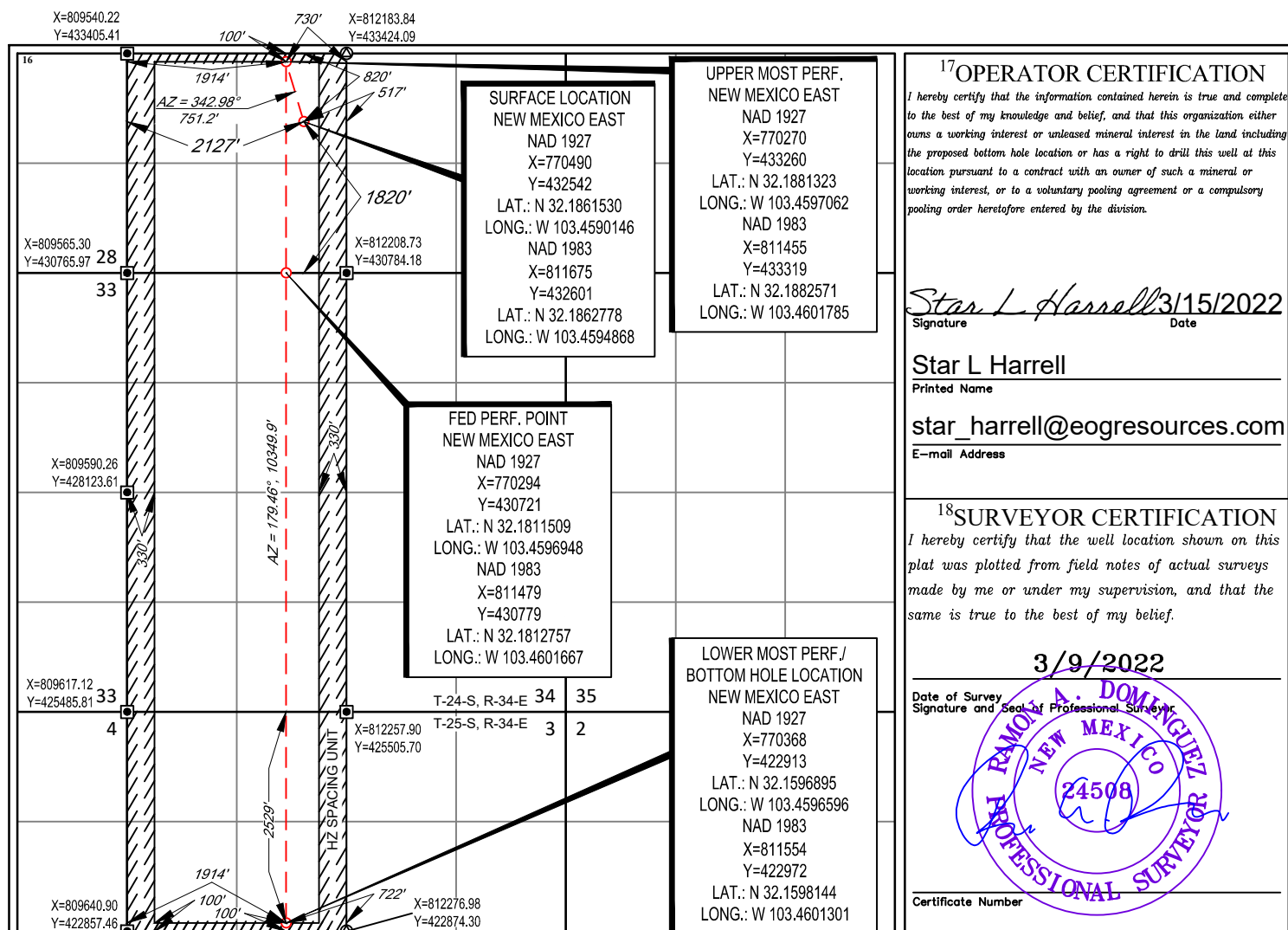
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	27	24-S	34-E	-	1820'	SOUTH	2127'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	3	25-S	34-E	-	2529'	NORTH	1914'	WEST	LEA

¹² Dedicated Acres 639.36	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





Peregrine 27 Fed Com 403H

Revised Permit Information 02/25/2022:

Well Name: Peregrine 27 Fed Com 403H

Location: SHL: 1820' FSL & 2127' FWL, Section 27, T-24-S, R-34-E, Lea Co., N.M.

BHL: 2529' FNL & 1914' FWL, Section 3, T-25-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval TVD (MD for EOL)	Csg OD	Weight	Grade	Conn	DFmin Clps/Brst	DFmin Tension
16"	0' - 1,180'	13.375"	54.5#	J-55	STC	1.125	1.6
12.25"	0' - 4,000'	9.625"	40#	J-55	LTC	1.125	1.6
12.25"	4,000' - 5,270'	9.625"	40#	HCK-55	LTC	1.125	1.6
7.875"	0' - 20,886' (10,645' TVD)	5.5"	17#	HCP-110	LTC	1.125	1.6

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 12-1/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 12-1/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" casing in the 7-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 7-7/8" hole interval to maximize cement bond and zonal isolation.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,180' 13-3/8"	360	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 980')
5,270' 9-5/8"	770	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	330	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 4,220')
20,886' 5-1/2"	400	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,770')
	1950	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,216')



Peregrine 27 Fed Com 403H

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

Mud Program:

Depth (TVD)	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,180'	Fresh - Gel	8.6-8.8	28-34	N/c
1,180' – 5,270'	Brine	8.6-8.8	28-34	N/c
5,270' – 20,886'	Oil Base	8.8-9.5	58-68	N/c - 6

Wellhead:

EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days per Onshore Order No. 2.
- Function test BOP elements per Onshore Order No. 2.
- Break testing BOP and BOPE coupled with batch drilling operations and production sections that do not penetrate the Wolfcamp or deeper formations.
- After the well section is cemented the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad. The cemented well will be secured with a blind flange and a pressure gauge for monitoring.



Peregrine 27 Fed Com 403H

1820' FSL

Revised Wellbore

KB: 3479'

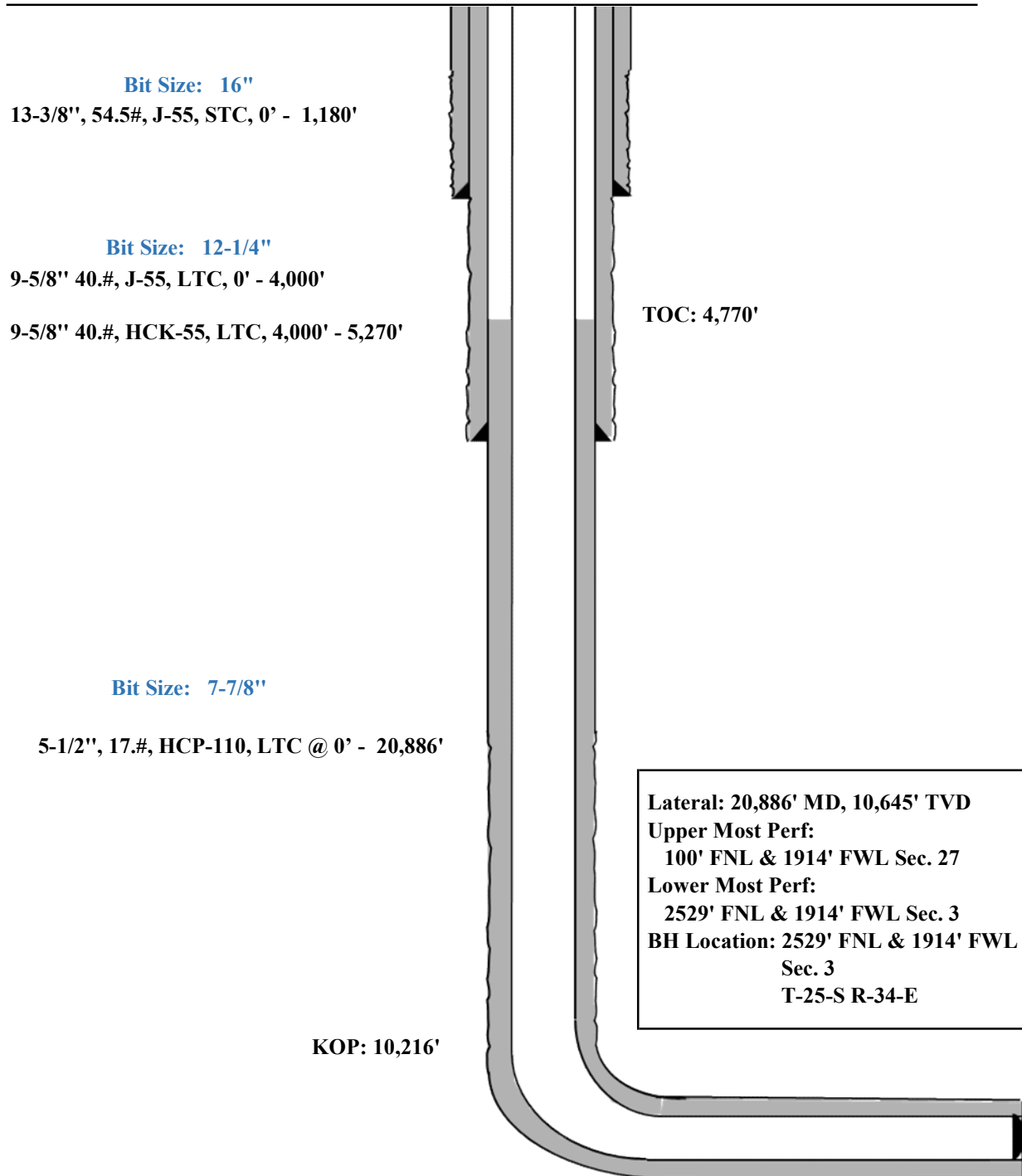
2127' FWL

GL: 3454'

Section 27

T-24-S, R-34-E

API: 30-025-*****





Midland

Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com

#403H

OH

Plan: Plan #0.3

Standard Planning Report

16 March, 2022



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Peregrine 27 Fed Com				
Site Position:		Northing:	431,580.00 usft	Latitude:	32° 11' 0.630 N
From:	Map	Easting:	810,070.00 usft	Longitude:	103° 27' 52.923 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	#403H					
Well Position	+N/-S	0.0 usft	Northing:	432,601.00 usft	Latitude:	32° 11' 10.604 N
	+E/-W	0.0 usft	Easting:	811,675.00 usft	Longitude:	103° 27' 34.152 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,454.0 usft
Grid Convergence:		0.47 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/30/2020	6.55	59.90	47,538.94294909

Design	Plan #0.3				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	180.72	

Plan Survey Tool Program	Date	3/16/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	20,886.2 Plan #0.3 (OH)	EOG MWD+IFR1		
			MWD + IFR1		



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,555.5	7.11	344.02	1,554.6	21.2	-6.1	2.00	2.00	0.00	344.02	
7,653.2	7.11	344.02	7,605.4	746.8	-213.9	0.00	0.00	0.00	0.00	
8,008.7	0.00	0.00	7,960.0	768.0	-220.0	2.00	-2.00	0.00	180.00	
10,216.2	0.00	0.00	10,167.5	768.0	-220.0	0.00	0.00	0.00	0.00	KOP 2(Peregrine 27 F
10,436.7	26.46	180.00	10,380.2	718.0	-220.0	12.00	12.00	81.65	180.00	FTP(Peregrine 27 F
10,966.2	90.00	179.43	10,644.9	290.6	-217.1	12.00	12.00	-0.11	-0.64	
13,078.9	90.00	179.43	10,645.0	-1,822.0	-196.0	0.00	0.00	0.00	0.00	Fed Perf 1(Peregrine
20,886.2	90.00	179.47	10,645.0	-9,629.0	-121.0	0.00	0.00	0.00	86.15	PBHL 2(Peregrine 27



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00
2.0	0.00	0.00	2.0	0.0	0.0	0.0	0.00	0.00	0.00
3.0	0.00	0.00	3.0	0.0	0.0	0.0	0.00	0.00	0.00
4.0	0.00	0.00	4.0	0.0	0.0	0.0	0.00	0.00	0.00
5.0	0.00	0.00	5.0	0.0	0.0	0.0	0.00	0.00	0.00
6.0	0.00	0.00	6.0	0.0	0.0	0.0	0.00	0.00	0.00
7.0	0.00	0.00	7.0	0.0	0.0	0.0	0.00	0.00	0.00
8.0	0.00	0.00	8.0	0.0	0.0	0.0	0.00	0.00	0.00
9.0	0.00	0.00	9.0	0.0	0.0	0.0	0.00	0.00	0.00
10.0	0.00	0.00	10.0	0.0	0.0	0.0	0.00	0.00	0.00
11.0	0.00	0.00	11.0	0.0	0.0	0.0	0.00	0.00	0.00
12.0	0.00	0.00	12.0	0.0	0.0	0.0	0.00	0.00	0.00
13.0	0.00	0.00	13.0	0.0	0.0	0.0	0.00	0.00	0.00
14.0	0.00	0.00	14.0	0.0	0.0	0.0	0.00	0.00	0.00
15.0	0.00	0.00	15.0	0.0	0.0	0.0	0.00	0.00	0.00
16.0	0.00	0.00	16.0	0.0	0.0	0.0	0.00	0.00	0.00
17.0	0.00	0.00	17.0	0.0	0.0	0.0	0.00	0.00	0.00
18.0	0.00	0.00	18.0	0.0	0.0	0.0	0.00	0.00	0.00
19.0	0.00	0.00	19.0	0.0	0.0	0.0	0.00	0.00	0.00
20.0	0.00	0.00	20.0	0.0	0.0	0.0	0.00	0.00	0.00
21.0	0.00	0.00	21.0	0.0	0.0	0.0	0.00	0.00	0.00
22.0	0.00	0.00	22.0	0.0	0.0	0.0	0.00	0.00	0.00
23.0	0.00	0.00	23.0	0.0	0.0	0.0	0.00	0.00	0.00
24.0	0.00	0.00	24.0	0.0	0.0	0.0	0.00	0.00	0.00
25.0	0.00	0.00	25.0	0.0	0.0	0.0	0.00	0.00	0.00
26.0	0.00	0.00	26.0	0.0	0.0	0.0	0.00	0.00	0.00
27.0	0.00	0.00	27.0	0.0	0.0	0.0	0.00	0.00	0.00
28.0	0.00	0.00	28.0	0.0	0.0	0.0	0.00	0.00	0.00
29.0	0.00	0.00	29.0	0.0	0.0	0.0	0.00	0.00	0.00
30.0	0.00	0.00	30.0	0.0	0.0	0.0	0.00	0.00	0.00
31.0	0.00	0.00	31.0	0.0	0.0	0.0	0.00	0.00	0.00
32.0	0.00	0.00	32.0	0.0	0.0	0.0	0.00	0.00	0.00
33.0	0.00	0.00	33.0	0.0	0.0	0.0	0.00	0.00	0.00
34.0	0.00	0.00	34.0	0.0	0.0	0.0	0.00	0.00	0.00
35.0	0.00	0.00	35.0	0.0	0.0	0.0	0.00	0.00	0.00
36.0	0.00	0.00	36.0	0.0	0.0	0.0	0.00	0.00	0.00
37.0	0.00	0.00	37.0	0.0	0.0	0.0	0.00	0.00	0.00
38.0	0.00	0.00	38.0	0.0	0.0	0.0	0.00	0.00	0.00
39.0	0.00	0.00	39.0	0.0	0.0	0.0	0.00	0.00	0.00
40.0	0.00	0.00	40.0	0.0	0.0	0.0	0.00	0.00	0.00
41.0	0.00	0.00	41.0	0.0	0.0	0.0	0.00	0.00	0.00
42.0	0.00	0.00	42.0	0.0	0.0	0.0	0.00	0.00	0.00
43.0	0.00	0.00	43.0	0.0	0.0	0.0	0.00	0.00	0.00
44.0	0.00	0.00	44.0	0.0	0.0	0.0	0.00	0.00	0.00
45.0	0.00	0.00	45.0	0.0	0.0	0.0	0.00	0.00	0.00
46.0	0.00	0.00	46.0	0.0	0.0	0.0	0.00	0.00	0.00
47.0	0.00	0.00	47.0	0.0	0.0	0.0	0.00	0.00	0.00
48.0	0.00	0.00	48.0	0.0	0.0	0.0	0.00	0.00	0.00
49.0	0.00	0.00	49.0	0.0	0.0	0.0	0.00	0.00	0.00
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
51.0	0.00	0.00	51.0	0.0	0.0	0.0	0.00	0.00	0.00
52.0	0.00	0.00	52.0	0.0	0.0	0.0	0.00	0.00	0.00
53.0	0.00	0.00	53.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
54.0	0.00	0.00	54.0	0.0	0.0	0.0	0.00	0.00	0.00
55.0	0.00	0.00	55.0	0.0	0.0	0.0	0.00	0.00	0.00
56.0	0.00	0.00	56.0	0.0	0.0	0.0	0.00	0.00	0.00
57.0	0.00	0.00	57.0	0.0	0.0	0.0	0.00	0.00	0.00
58.0	0.00	0.00	58.0	0.0	0.0	0.0	0.00	0.00	0.00
59.0	0.00	0.00	59.0	0.0	0.0	0.0	0.00	0.00	0.00
60.0	0.00	0.00	60.0	0.0	0.0	0.0	0.00	0.00	0.00
61.0	0.00	0.00	61.0	0.0	0.0	0.0	0.00	0.00	0.00
62.0	0.00	0.00	62.0	0.0	0.0	0.0	0.00	0.00	0.00
63.0	0.00	0.00	63.0	0.0	0.0	0.0	0.00	0.00	0.00
64.0	0.00	0.00	64.0	0.0	0.0	0.0	0.00	0.00	0.00
65.0	0.00	0.00	65.0	0.0	0.0	0.0	0.00	0.00	0.00
66.0	0.00	0.00	66.0	0.0	0.0	0.0	0.00	0.00	0.00
67.0	0.00	0.00	67.0	0.0	0.0	0.0	0.00	0.00	0.00
68.0	0.00	0.00	68.0	0.0	0.0	0.0	0.00	0.00	0.00
69.0	0.00	0.00	69.0	0.0	0.0	0.0	0.00	0.00	0.00
70.0	0.00	0.00	70.0	0.0	0.0	0.0	0.00	0.00	0.00
71.0	0.00	0.00	71.0	0.0	0.0	0.0	0.00	0.00	0.00
72.0	0.00	0.00	72.0	0.0	0.0	0.0	0.00	0.00	0.00
73.0	0.00	0.00	73.0	0.0	0.0	0.0	0.00	0.00	0.00
74.0	0.00	0.00	74.0	0.0	0.0	0.0	0.00	0.00	0.00
75.0	0.00	0.00	75.0	0.0	0.0	0.0	0.00	0.00	0.00
76.0	0.00	0.00	76.0	0.0	0.0	0.0	0.00	0.00	0.00
77.0	0.00	0.00	77.0	0.0	0.0	0.0	0.00	0.00	0.00
78.0	0.00	0.00	78.0	0.0	0.0	0.0	0.00	0.00	0.00
79.0	0.00	0.00	79.0	0.0	0.0	0.0	0.00	0.00	0.00
80.0	0.00	0.00	80.0	0.0	0.0	0.0	0.00	0.00	0.00
81.0	0.00	0.00	81.0	0.0	0.0	0.0	0.00	0.00	0.00
82.0	0.00	0.00	82.0	0.0	0.0	0.0	0.00	0.00	0.00
83.0	0.00	0.00	83.0	0.0	0.0	0.0	0.00	0.00	0.00
84.0	0.00	0.00	84.0	0.0	0.0	0.0	0.00	0.00	0.00
85.0	0.00	0.00	85.0	0.0	0.0	0.0	0.00	0.00	0.00
86.0	0.00	0.00	86.0	0.0	0.0	0.0	0.00	0.00	0.00
87.0	0.00	0.00	87.0	0.0	0.0	0.0	0.00	0.00	0.00
88.0	0.00	0.00	88.0	0.0	0.0	0.0	0.00	0.00	0.00
89.0	0.00	0.00	89.0	0.0	0.0	0.0	0.00	0.00	0.00
90.0	0.00	0.00	90.0	0.0	0.0	0.0	0.00	0.00	0.00
91.0	0.00	0.00	91.0	0.0	0.0	0.0	0.00	0.00	0.00
92.0	0.00	0.00	92.0	0.0	0.0	0.0	0.00	0.00	0.00
93.0	0.00	0.00	93.0	0.0	0.0	0.0	0.00	0.00	0.00
94.0	0.00	0.00	94.0	0.0	0.0	0.0	0.00	0.00	0.00
95.0	0.00	0.00	95.0	0.0	0.0	0.0	0.00	0.00	0.00
96.0	0.00	0.00	96.0	0.0	0.0	0.0	0.00	0.00	0.00
97.0	0.00	0.00	97.0	0.0	0.0	0.0	0.00	0.00	0.00
98.0	0.00	0.00	98.0	0.0	0.0	0.0	0.00	0.00	0.00
99.0	0.00	0.00	99.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
101.0	0.00	0.00	101.0	0.0	0.0	0.0	0.00	0.00	0.00
102.0	0.00	0.00	102.0	0.0	0.0	0.0	0.00	0.00	0.00
103.0	0.00	0.00	103.0	0.0	0.0	0.0	0.00	0.00	0.00
104.0	0.00	0.00	104.0	0.0	0.0	0.0	0.00	0.00	0.00
105.0	0.00	0.00	105.0	0.0	0.0	0.0	0.00	0.00	0.00
106.0	0.00	0.00	106.0	0.0	0.0	0.0	0.00	0.00	0.00
107.0	0.00	0.00	107.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
108.0	0.00	0.00	108.0	0.0	0.0	0.0	0.00	0.00	0.00
109.0	0.00	0.00	109.0	0.0	0.0	0.0	0.00	0.00	0.00
110.0	0.00	0.00	110.0	0.0	0.0	0.0	0.00	0.00	0.00
111.0	0.00	0.00	111.0	0.0	0.0	0.0	0.00	0.00	0.00
112.0	0.00	0.00	112.0	0.0	0.0	0.0	0.00	0.00	0.00
113.0	0.00	0.00	113.0	0.0	0.0	0.0	0.00	0.00	0.00
114.0	0.00	0.00	114.0	0.0	0.0	0.0	0.00	0.00	0.00
115.0	0.00	0.00	115.0	0.0	0.0	0.0	0.00	0.00	0.00
116.0	0.00	0.00	116.0	0.0	0.0	0.0	0.00	0.00	0.00
117.0	0.00	0.00	117.0	0.0	0.0	0.0	0.00	0.00	0.00
118.0	0.00	0.00	118.0	0.0	0.0	0.0	0.00	0.00	0.00
119.0	0.00	0.00	119.0	0.0	0.0	0.0	0.00	0.00	0.00
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00
121.0	0.00	0.00	121.0	0.0	0.0	0.0	0.00	0.00	0.00
122.0	0.00	0.00	122.0	0.0	0.0	0.0	0.00	0.00	0.00
123.0	0.00	0.00	123.0	0.0	0.0	0.0	0.00	0.00	0.00
124.0	0.00	0.00	124.0	0.0	0.0	0.0	0.00	0.00	0.00
125.0	0.00	0.00	125.0	0.0	0.0	0.0	0.00	0.00	0.00
126.0	0.00	0.00	126.0	0.0	0.0	0.0	0.00	0.00	0.00
127.0	0.00	0.00	127.0	0.0	0.0	0.0	0.00	0.00	0.00
128.0	0.00	0.00	128.0	0.0	0.0	0.0	0.00	0.00	0.00
129.0	0.00	0.00	129.0	0.0	0.0	0.0	0.00	0.00	0.00
130.0	0.00	0.00	130.0	0.0	0.0	0.0	0.00	0.00	0.00
131.0	0.00	0.00	131.0	0.0	0.0	0.0	0.00	0.00	0.00
132.0	0.00	0.00	132.0	0.0	0.0	0.0	0.00	0.00	0.00
133.0	0.00	0.00	133.0	0.0	0.0	0.0	0.00	0.00	0.00
134.0	0.00	0.00	134.0	0.0	0.0	0.0	0.00	0.00	0.00
135.0	0.00	0.00	135.0	0.0	0.0	0.0	0.00	0.00	0.00
136.0	0.00	0.00	136.0	0.0	0.0	0.0	0.00	0.00	0.00
137.0	0.00	0.00	137.0	0.0	0.0	0.0	0.00	0.00	0.00
138.0	0.00	0.00	138.0	0.0	0.0	0.0	0.00	0.00	0.00
139.0	0.00	0.00	139.0	0.0	0.0	0.0	0.00	0.00	0.00
140.0	0.00	0.00	140.0	0.0	0.0	0.0	0.00	0.00	0.00
141.0	0.00	0.00	141.0	0.0	0.0	0.0	0.00	0.00	0.00
142.0	0.00	0.00	142.0	0.0	0.0	0.0	0.00	0.00	0.00
143.0	0.00	0.00	143.0	0.0	0.0	0.0	0.00	0.00	0.00
144.0	0.00	0.00	144.0	0.0	0.0	0.0	0.00	0.00	0.00
145.0	0.00	0.00	145.0	0.0	0.0	0.0	0.00	0.00	0.00
146.0	0.00	0.00	146.0	0.0	0.0	0.0	0.00	0.00	0.00
147.0	0.00	0.00	147.0	0.0	0.0	0.0	0.00	0.00	0.00
148.0	0.00	0.00	148.0	0.0	0.0	0.0	0.00	0.00	0.00
149.0	0.00	0.00	149.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00
151.0	0.00	0.00	151.0	0.0	0.0	0.0	0.00	0.00	0.00
152.0	0.00	0.00	152.0	0.0	0.0	0.0	0.00	0.00	0.00
153.0	0.00	0.00	153.0	0.0	0.0	0.0	0.00	0.00	0.00
154.0	0.00	0.00	154.0	0.0	0.0	0.0	0.00	0.00	0.00
155.0	0.00	0.00	155.0	0.0	0.0	0.0	0.00	0.00	0.00
156.0	0.00	0.00	156.0	0.0	0.0	0.0	0.00	0.00	0.00
157.0	0.00	0.00	157.0	0.0	0.0	0.0	0.00	0.00	0.00
158.0	0.00	0.00	158.0	0.0	0.0	0.0	0.00	0.00	0.00
159.0	0.00	0.00	159.0	0.0	0.0	0.0	0.00	0.00	0.00
160.0	0.00	0.00	160.0	0.0	0.0	0.0	0.00	0.00	0.00
161.0	0.00	0.00	161.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
162.0	0.00	0.00	162.0	0.0	0.0	0.0	0.00	0.00	0.00
163.0	0.00	0.00	163.0	0.0	0.0	0.0	0.00	0.00	0.00
164.0	0.00	0.00	164.0	0.0	0.0	0.0	0.00	0.00	0.00
165.0	0.00	0.00	165.0	0.0	0.0	0.0	0.00	0.00	0.00
166.0	0.00	0.00	166.0	0.0	0.0	0.0	0.00	0.00	0.00
167.0	0.00	0.00	167.0	0.0	0.0	0.0	0.00	0.00	0.00
168.0	0.00	0.00	168.0	0.0	0.0	0.0	0.00	0.00	0.00
169.0	0.00	0.00	169.0	0.0	0.0	0.0	0.00	0.00	0.00
170.0	0.00	0.00	170.0	0.0	0.0	0.0	0.00	0.00	0.00
171.0	0.00	0.00	171.0	0.0	0.0	0.0	0.00	0.00	0.00
172.0	0.00	0.00	172.0	0.0	0.0	0.0	0.00	0.00	0.00
173.0	0.00	0.00	173.0	0.0	0.0	0.0	0.00	0.00	0.00
174.0	0.00	0.00	174.0	0.0	0.0	0.0	0.00	0.00	0.00
175.0	0.00	0.00	175.0	0.0	0.0	0.0	0.00	0.00	0.00
176.0	0.00	0.00	176.0	0.0	0.0	0.0	0.00	0.00	0.00
177.0	0.00	0.00	177.0	0.0	0.0	0.0	0.00	0.00	0.00
178.0	0.00	0.00	178.0	0.0	0.0	0.0	0.00	0.00	0.00
179.0	0.00	0.00	179.0	0.0	0.0	0.0	0.00	0.00	0.00
180.0	0.00	0.00	180.0	0.0	0.0	0.0	0.00	0.00	0.00
181.0	0.00	0.00	181.0	0.0	0.0	0.0	0.00	0.00	0.00
182.0	0.00	0.00	182.0	0.0	0.0	0.0	0.00	0.00	0.00
183.0	0.00	0.00	183.0	0.0	0.0	0.0	0.00	0.00	0.00
184.0	0.00	0.00	184.0	0.0	0.0	0.0	0.00	0.00	0.00
185.0	0.00	0.00	185.0	0.0	0.0	0.0	0.00	0.00	0.00
186.0	0.00	0.00	186.0	0.0	0.0	0.0	0.00	0.00	0.00
187.0	0.00	0.00	187.0	0.0	0.0	0.0	0.00	0.00	0.00
188.0	0.00	0.00	188.0	0.0	0.0	0.0	0.00	0.00	0.00
189.0	0.00	0.00	189.0	0.0	0.0	0.0	0.00	0.00	0.00
190.0	0.00	0.00	190.0	0.0	0.0	0.0	0.00	0.00	0.00
191.0	0.00	0.00	191.0	0.0	0.0	0.0	0.00	0.00	0.00
192.0	0.00	0.00	192.0	0.0	0.0	0.0	0.00	0.00	0.00
193.0	0.00	0.00	193.0	0.0	0.0	0.0	0.00	0.00	0.00
194.0	0.00	0.00	194.0	0.0	0.0	0.0	0.00	0.00	0.00
195.0	0.00	0.00	195.0	0.0	0.0	0.0	0.00	0.00	0.00
196.0	0.00	0.00	196.0	0.0	0.0	0.0	0.00	0.00	0.00
197.0	0.00	0.00	197.0	0.0	0.0	0.0	0.00	0.00	0.00
198.0	0.00	0.00	198.0	0.0	0.0	0.0	0.00	0.00	0.00
199.0	0.00	0.00	199.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
201.0	0.00	0.00	201.0	0.0	0.0	0.0	0.00	0.00	0.00
202.0	0.00	0.00	202.0	0.0	0.0	0.0	0.00	0.00	0.00
203.0	0.00	0.00	203.0	0.0	0.0	0.0	0.00	0.00	0.00
204.0	0.00	0.00	204.0	0.0	0.0	0.0	0.00	0.00	0.00
205.0	0.00	0.00	205.0	0.0	0.0	0.0	0.00	0.00	0.00
206.0	0.00	0.00	206.0	0.0	0.0	0.0	0.00	0.00	0.00
207.0	0.00	0.00	207.0	0.0	0.0	0.0	0.00	0.00	0.00
208.0	0.00	0.00	208.0	0.0	0.0	0.0	0.00	0.00	0.00
209.0	0.00	0.00	209.0	0.0	0.0	0.0	0.00	0.00	0.00
210.0	0.00	0.00	210.0	0.0	0.0	0.0	0.00	0.00	0.00
211.0	0.00	0.00	211.0	0.0	0.0	0.0	0.00	0.00	0.00
212.0	0.00	0.00	212.0	0.0	0.0	0.0	0.00	0.00	0.00
213.0	0.00	0.00	213.0	0.0	0.0	0.0	0.00	0.00	0.00
214.0	0.00	0.00	214.0	0.0	0.0	0.0	0.00	0.00	0.00
215.0	0.00	0.00	215.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
216.0	0.00	0.00	216.0	0.0	0.0	0.0	0.00	0.00	0.00
217.0	0.00	0.00	217.0	0.0	0.0	0.0	0.00	0.00	0.00
218.0	0.00	0.00	218.0	0.0	0.0	0.0	0.00	0.00	0.00
219.0	0.00	0.00	219.0	0.0	0.0	0.0	0.00	0.00	0.00
220.0	0.00	0.00	220.0	0.0	0.0	0.0	0.00	0.00	0.00
221.0	0.00	0.00	221.0	0.0	0.0	0.0	0.00	0.00	0.00
222.0	0.00	0.00	222.0	0.0	0.0	0.0	0.00	0.00	0.00
223.0	0.00	0.00	223.0	0.0	0.0	0.0	0.00	0.00	0.00
224.0	0.00	0.00	224.0	0.0	0.0	0.0	0.00	0.00	0.00
225.0	0.00	0.00	225.0	0.0	0.0	0.0	0.00	0.00	0.00
226.0	0.00	0.00	226.0	0.0	0.0	0.0	0.00	0.00	0.00
227.0	0.00	0.00	227.0	0.0	0.0	0.0	0.00	0.00	0.00
228.0	0.00	0.00	228.0	0.0	0.0	0.0	0.00	0.00	0.00
229.0	0.00	0.00	229.0	0.0	0.0	0.0	0.00	0.00	0.00
230.0	0.00	0.00	230.0	0.0	0.0	0.0	0.00	0.00	0.00
231.0	0.00	0.00	231.0	0.0	0.0	0.0	0.00	0.00	0.00
232.0	0.00	0.00	232.0	0.0	0.0	0.0	0.00	0.00	0.00
233.0	0.00	0.00	233.0	0.0	0.0	0.0	0.00	0.00	0.00
234.0	0.00	0.00	234.0	0.0	0.0	0.0	0.00	0.00	0.00
235.0	0.00	0.00	235.0	0.0	0.0	0.0	0.00	0.00	0.00
236.0	0.00	0.00	236.0	0.0	0.0	0.0	0.00	0.00	0.00
237.0	0.00	0.00	237.0	0.0	0.0	0.0	0.00	0.00	0.00
238.0	0.00	0.00	238.0	0.0	0.0	0.0	0.00	0.00	0.00
239.0	0.00	0.00	239.0	0.0	0.0	0.0	0.00	0.00	0.00
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
241.0	0.00	0.00	241.0	0.0	0.0	0.0	0.00	0.00	0.00
242.0	0.00	0.00	242.0	0.0	0.0	0.0	0.00	0.00	0.00
243.0	0.00	0.00	243.0	0.0	0.0	0.0	0.00	0.00	0.00
244.0	0.00	0.00	244.0	0.0	0.0	0.0	0.00	0.00	0.00
245.0	0.00	0.00	245.0	0.0	0.0	0.0	0.00	0.00	0.00
246.0	0.00	0.00	246.0	0.0	0.0	0.0	0.00	0.00	0.00
247.0	0.00	0.00	247.0	0.0	0.0	0.0	0.00	0.00	0.00
248.0	0.00	0.00	248.0	0.0	0.0	0.0	0.00	0.00	0.00
249.0	0.00	0.00	249.0	0.0	0.0	0.0	0.00	0.00	0.00
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
251.0	0.00	0.00	251.0	0.0	0.0	0.0	0.00	0.00	0.00
252.0	0.00	0.00	252.0	0.0	0.0	0.0	0.00	0.00	0.00
253.0	0.00	0.00	253.0	0.0	0.0	0.0	0.00	0.00	0.00
254.0	0.00	0.00	254.0	0.0	0.0	0.0	0.00	0.00	0.00
255.0	0.00	0.00	255.0	0.0	0.0	0.0	0.00	0.00	0.00
256.0	0.00	0.00	256.0	0.0	0.0	0.0	0.00	0.00	0.00
257.0	0.00	0.00	257.0	0.0	0.0	0.0	0.00	0.00	0.00
258.0	0.00	0.00	258.0	0.0	0.0	0.0	0.00	0.00	0.00
259.0	0.00	0.00	259.0	0.0	0.0	0.0	0.00	0.00	0.00
260.0	0.00	0.00	260.0	0.0	0.0	0.0	0.00	0.00	0.00
261.0	0.00	0.00	261.0	0.0	0.0	0.0	0.00	0.00	0.00
262.0	0.00	0.00	262.0	0.0	0.0	0.0	0.00	0.00	0.00
263.0	0.00	0.00	263.0	0.0	0.0	0.0	0.00	0.00	0.00
264.0	0.00	0.00	264.0	0.0	0.0	0.0	0.00	0.00	0.00
265.0	0.00	0.00	265.0	0.0	0.0	0.0	0.00	0.00	0.00
266.0	0.00	0.00	266.0	0.0	0.0	0.0	0.00	0.00	0.00
267.0	0.00	0.00	267.0	0.0	0.0	0.0	0.00	0.00	0.00
268.0	0.00	0.00	268.0	0.0	0.0	0.0	0.00	0.00	0.00
269.0	0.00	0.00	269.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
270.0	0.00	0.00	270.0	0.0	0.0	0.0	0.00	0.00	0.00
271.0	0.00	0.00	271.0	0.0	0.0	0.0	0.00	0.00	0.00
272.0	0.00	0.00	272.0	0.0	0.0	0.0	0.00	0.00	0.00
273.0	0.00	0.00	273.0	0.0	0.0	0.0	0.00	0.00	0.00
274.0	0.00	0.00	274.0	0.0	0.0	0.0	0.00	0.00	0.00
275.0	0.00	0.00	275.0	0.0	0.0	0.0	0.00	0.00	0.00
276.0	0.00	0.00	276.0	0.0	0.0	0.0	0.00	0.00	0.00
277.0	0.00	0.00	277.0	0.0	0.0	0.0	0.00	0.00	0.00
278.0	0.00	0.00	278.0	0.0	0.0	0.0	0.00	0.00	0.00
279.0	0.00	0.00	279.0	0.0	0.0	0.0	0.00	0.00	0.00
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
281.0	0.00	0.00	281.0	0.0	0.0	0.0	0.00	0.00	0.00
282.0	0.00	0.00	282.0	0.0	0.0	0.0	0.00	0.00	0.00
283.0	0.00	0.00	283.0	0.0	0.0	0.0	0.00	0.00	0.00
284.0	0.00	0.00	284.0	0.0	0.0	0.0	0.00	0.00	0.00
285.0	0.00	0.00	285.0	0.0	0.0	0.0	0.00	0.00	0.00
286.0	0.00	0.00	286.0	0.0	0.0	0.0	0.00	0.00	0.00
287.0	0.00	0.00	287.0	0.0	0.0	0.0	0.00	0.00	0.00
288.0	0.00	0.00	288.0	0.0	0.0	0.0	0.00	0.00	0.00
289.0	0.00	0.00	289.0	0.0	0.0	0.0	0.00	0.00	0.00
290.0	0.00	0.00	290.0	0.0	0.0	0.0	0.00	0.00	0.00
291.0	0.00	0.00	291.0	0.0	0.0	0.0	0.00	0.00	0.00
292.0	0.00	0.00	292.0	0.0	0.0	0.0	0.00	0.00	0.00
293.0	0.00	0.00	293.0	0.0	0.0	0.0	0.00	0.00	0.00
294.0	0.00	0.00	294.0	0.0	0.0	0.0	0.00	0.00	0.00
295.0	0.00	0.00	295.0	0.0	0.0	0.0	0.00	0.00	0.00
296.0	0.00	0.00	296.0	0.0	0.0	0.0	0.00	0.00	0.00
297.0	0.00	0.00	297.0	0.0	0.0	0.0	0.00	0.00	0.00
298.0	0.00	0.00	298.0	0.0	0.0	0.0	0.00	0.00	0.00
299.0	0.00	0.00	299.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
301.0	0.00	0.00	301.0	0.0	0.0	0.0	0.00	0.00	0.00
302.0	0.00	0.00	302.0	0.0	0.0	0.0	0.00	0.00	0.00
303.0	0.00	0.00	303.0	0.0	0.0	0.0	0.00	0.00	0.00
304.0	0.00	0.00	304.0	0.0	0.0	0.0	0.00	0.00	0.00
305.0	0.00	0.00	305.0	0.0	0.0	0.0	0.00	0.00	0.00
306.0	0.00	0.00	306.0	0.0	0.0	0.0	0.00	0.00	0.00
307.0	0.00	0.00	307.0	0.0	0.0	0.0	0.00	0.00	0.00
308.0	0.00	0.00	308.0	0.0	0.0	0.0	0.00	0.00	0.00
309.0	0.00	0.00	309.0	0.0	0.0	0.0	0.00	0.00	0.00
310.0	0.00	0.00	310.0	0.0	0.0	0.0	0.00	0.00	0.00
311.0	0.00	0.00	311.0	0.0	0.0	0.0	0.00	0.00	0.00
312.0	0.00	0.00	312.0	0.0	0.0	0.0	0.00	0.00	0.00
313.0	0.00	0.00	313.0	0.0	0.0	0.0	0.00	0.00	0.00
314.0	0.00	0.00	314.0	0.0	0.0	0.0	0.00	0.00	0.00
315.0	0.00	0.00	315.0	0.0	0.0	0.0	0.00	0.00	0.00
316.0	0.00	0.00	316.0	0.0	0.0	0.0	0.00	0.00	0.00
317.0	0.00	0.00	317.0	0.0	0.0	0.0	0.00	0.00	0.00
318.0	0.00	0.00	318.0	0.0	0.0	0.0	0.00	0.00	0.00
319.0	0.00	0.00	319.0	0.0	0.0	0.0	0.00	0.00	0.00
320.0	0.00	0.00	320.0	0.0	0.0	0.0	0.00	0.00	0.00
321.0	0.00	0.00	321.0	0.0	0.0	0.0	0.00	0.00	0.00
322.0	0.00	0.00	322.0	0.0	0.0	0.0	0.00	0.00	0.00
323.0	0.00	0.00	323.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
324.0	0.00	0.00	324.0	0.0	0.0	0.0	0.00	0.00	0.00
325.0	0.00	0.00	325.0	0.0	0.0	0.0	0.00	0.00	0.00
326.0	0.00	0.00	326.0	0.0	0.0	0.0	0.00	0.00	0.00
327.0	0.00	0.00	327.0	0.0	0.0	0.0	0.00	0.00	0.00
328.0	0.00	0.00	328.0	0.0	0.0	0.0	0.00	0.00	0.00
329.0	0.00	0.00	329.0	0.0	0.0	0.0	0.00	0.00	0.00
330.0	0.00	0.00	330.0	0.0	0.0	0.0	0.00	0.00	0.00
331.0	0.00	0.00	331.0	0.0	0.0	0.0	0.00	0.00	0.00
332.0	0.00	0.00	332.0	0.0	0.0	0.0	0.00	0.00	0.00
333.0	0.00	0.00	333.0	0.0	0.0	0.0	0.00	0.00	0.00
334.0	0.00	0.00	334.0	0.0	0.0	0.0	0.00	0.00	0.00
335.0	0.00	0.00	335.0	0.0	0.0	0.0	0.00	0.00	0.00
336.0	0.00	0.00	336.0	0.0	0.0	0.0	0.00	0.00	0.00
337.0	0.00	0.00	337.0	0.0	0.0	0.0	0.00	0.00	0.00
338.0	0.00	0.00	338.0	0.0	0.0	0.0	0.00	0.00	0.00
339.0	0.00	0.00	339.0	0.0	0.0	0.0	0.00	0.00	0.00
340.0	0.00	0.00	340.0	0.0	0.0	0.0	0.00	0.00	0.00
341.0	0.00	0.00	341.0	0.0	0.0	0.0	0.00	0.00	0.00
342.0	0.00	0.00	342.0	0.0	0.0	0.0	0.00	0.00	0.00
343.0	0.00	0.00	343.0	0.0	0.0	0.0	0.00	0.00	0.00
344.0	0.00	0.00	344.0	0.0	0.0	0.0	0.00	0.00	0.00
345.0	0.00	0.00	345.0	0.0	0.0	0.0	0.00	0.00	0.00
346.0	0.00	0.00	346.0	0.0	0.0	0.0	0.00	0.00	0.00
347.0	0.00	0.00	347.0	0.0	0.0	0.0	0.00	0.00	0.00
348.0	0.00	0.00	348.0	0.0	0.0	0.0	0.00	0.00	0.00
349.0	0.00	0.00	349.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
351.0	0.00	0.00	351.0	0.0	0.0	0.0	0.00	0.00	0.00
352.0	0.00	0.00	352.0	0.0	0.0	0.0	0.00	0.00	0.00
353.0	0.00	0.00	353.0	0.0	0.0	0.0	0.00	0.00	0.00
354.0	0.00	0.00	354.0	0.0	0.0	0.0	0.00	0.00	0.00
355.0	0.00	0.00	355.0	0.0	0.0	0.0	0.00	0.00	0.00
356.0	0.00	0.00	356.0	0.0	0.0	0.0	0.00	0.00	0.00
357.0	0.00	0.00	357.0	0.0	0.0	0.0	0.00	0.00	0.00
358.0	0.00	0.00	358.0	0.0	0.0	0.0	0.00	0.00	0.00
359.0	0.00	0.00	359.0	0.0	0.0	0.0	0.00	0.00	0.00
360.0	0.00	0.00	360.0	0.0	0.0	0.0	0.00	0.00	0.00
361.0	0.00	0.00	361.0	0.0	0.0	0.0	0.00	0.00	0.00
362.0	0.00	0.00	362.0	0.0	0.0	0.0	0.00	0.00	0.00
363.0	0.00	0.00	363.0	0.0	0.0	0.0	0.00	0.00	0.00
364.0	0.00	0.00	364.0	0.0	0.0	0.0	0.00	0.00	0.00
365.0	0.00	0.00	365.0	0.0	0.0	0.0	0.00	0.00	0.00
366.0	0.00	0.00	366.0	0.0	0.0	0.0	0.00	0.00	0.00
367.0	0.00	0.00	367.0	0.0	0.0	0.0	0.00	0.00	0.00
368.0	0.00	0.00	368.0	0.0	0.0	0.0	0.00	0.00	0.00
369.0	0.00	0.00	369.0	0.0	0.0	0.0	0.00	0.00	0.00
370.0	0.00	0.00	370.0	0.0	0.0	0.0	0.00	0.00	0.00
371.0	0.00	0.00	371.0	0.0	0.0	0.0	0.00	0.00	0.00
372.0	0.00	0.00	372.0	0.0	0.0	0.0	0.00	0.00	0.00
373.0	0.00	0.00	373.0	0.0	0.0	0.0	0.00	0.00	0.00
374.0	0.00	0.00	374.0	0.0	0.0	0.0	0.00	0.00	0.00
375.0	0.00	0.00	375.0	0.0	0.0	0.0	0.00	0.00	0.00
376.0	0.00	0.00	376.0	0.0	0.0	0.0	0.00	0.00	0.00
377.0	0.00	0.00	377.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
378.0	0.00	0.00	378.0	0.0	0.0	0.0	0.00	0.00	0.00
379.0	0.00	0.00	379.0	0.0	0.0	0.0	0.00	0.00	0.00
380.0	0.00	0.00	380.0	0.0	0.0	0.0	0.00	0.00	0.00
381.0	0.00	0.00	381.0	0.0	0.0	0.0	0.00	0.00	0.00
382.0	0.00	0.00	382.0	0.0	0.0	0.0	0.00	0.00	0.00
383.0	0.00	0.00	383.0	0.0	0.0	0.0	0.00	0.00	0.00
384.0	0.00	0.00	384.0	0.0	0.0	0.0	0.00	0.00	0.00
385.0	0.00	0.00	385.0	0.0	0.0	0.0	0.00	0.00	0.00
386.0	0.00	0.00	386.0	0.0	0.0	0.0	0.00	0.00	0.00
387.0	0.00	0.00	387.0	0.0	0.0	0.0	0.00	0.00	0.00
388.0	0.00	0.00	388.0	0.0	0.0	0.0	0.00	0.00	0.00
389.0	0.00	0.00	389.0	0.0	0.0	0.0	0.00	0.00	0.00
390.0	0.00	0.00	390.0	0.0	0.0	0.0	0.00	0.00	0.00
391.0	0.00	0.00	391.0	0.0	0.0	0.0	0.00	0.00	0.00
392.0	0.00	0.00	392.0	0.0	0.0	0.0	0.00	0.00	0.00
393.0	0.00	0.00	393.0	0.0	0.0	0.0	0.00	0.00	0.00
394.0	0.00	0.00	394.0	0.0	0.0	0.0	0.00	0.00	0.00
395.0	0.00	0.00	395.0	0.0	0.0	0.0	0.00	0.00	0.00
396.0	0.00	0.00	396.0	0.0	0.0	0.0	0.00	0.00	0.00
397.0	0.00	0.00	397.0	0.0	0.0	0.0	0.00	0.00	0.00
398.0	0.00	0.00	398.0	0.0	0.0	0.0	0.00	0.00	0.00
399.0	0.00	0.00	399.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
401.0	0.00	0.00	401.0	0.0	0.0	0.0	0.00	0.00	0.00
402.0	0.00	0.00	402.0	0.0	0.0	0.0	0.00	0.00	0.00
403.0	0.00	0.00	403.0	0.0	0.0	0.0	0.00	0.00	0.00
404.0	0.00	0.00	404.0	0.0	0.0	0.0	0.00	0.00	0.00
405.0	0.00	0.00	405.0	0.0	0.0	0.0	0.00	0.00	0.00
406.0	0.00	0.00	406.0	0.0	0.0	0.0	0.00	0.00	0.00
407.0	0.00	0.00	407.0	0.0	0.0	0.0	0.00	0.00	0.00
408.0	0.00	0.00	408.0	0.0	0.0	0.0	0.00	0.00	0.00
409.0	0.00	0.00	409.0	0.0	0.0	0.0	0.00	0.00	0.00
410.0	0.00	0.00	410.0	0.0	0.0	0.0	0.00	0.00	0.00
411.0	0.00	0.00	411.0	0.0	0.0	0.0	0.00	0.00	0.00
412.0	0.00	0.00	412.0	0.0	0.0	0.0	0.00	0.00	0.00
413.0	0.00	0.00	413.0	0.0	0.0	0.0	0.00	0.00	0.00
414.0	0.00	0.00	414.0	0.0	0.0	0.0	0.00	0.00	0.00
415.0	0.00	0.00	415.0	0.0	0.0	0.0	0.00	0.00	0.00
416.0	0.00	0.00	416.0	0.0	0.0	0.0	0.00	0.00	0.00
417.0	0.00	0.00	417.0	0.0	0.0	0.0	0.00	0.00	0.00
418.0	0.00	0.00	418.0	0.0	0.0	0.0	0.00	0.00	0.00
419.0	0.00	0.00	419.0	0.0	0.0	0.0	0.00	0.00	0.00
420.0	0.00	0.00	420.0	0.0	0.0	0.0	0.00	0.00	0.00
421.0	0.00	0.00	421.0	0.0	0.0	0.0	0.00	0.00	0.00
422.0	0.00	0.00	422.0	0.0	0.0	0.0	0.00	0.00	0.00
423.0	0.00	0.00	423.0	0.0	0.0	0.0	0.00	0.00	0.00
424.0	0.00	0.00	424.0	0.0	0.0	0.0	0.00	0.00	0.00
425.0	0.00	0.00	425.0	0.0	0.0	0.0	0.00	0.00	0.00
426.0	0.00	0.00	426.0	0.0	0.0	0.0	0.00	0.00	0.00
427.0	0.00	0.00	427.0	0.0	0.0	0.0	0.00	0.00	0.00
428.0	0.00	0.00	428.0	0.0	0.0	0.0	0.00	0.00	0.00
429.0	0.00	0.00	429.0	0.0	0.0	0.0	0.00	0.00	0.00
430.0	0.00	0.00	430.0	0.0	0.0	0.0	0.00	0.00	0.00
431.0	0.00	0.00	431.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
432.0	0.00	0.00	432.0	0.0	0.0	0.0	0.00	0.00	0.00
433.0	0.00	0.00	433.0	0.0	0.0	0.0	0.00	0.00	0.00
434.0	0.00	0.00	434.0	0.0	0.0	0.0	0.00	0.00	0.00
435.0	0.00	0.00	435.0	0.0	0.0	0.0	0.00	0.00	0.00
436.0	0.00	0.00	436.0	0.0	0.0	0.0	0.00	0.00	0.00
437.0	0.00	0.00	437.0	0.0	0.0	0.0	0.00	0.00	0.00
438.0	0.00	0.00	438.0	0.0	0.0	0.0	0.00	0.00	0.00
439.0	0.00	0.00	439.0	0.0	0.0	0.0	0.00	0.00	0.00
440.0	0.00	0.00	440.0	0.0	0.0	0.0	0.00	0.00	0.00
441.0	0.00	0.00	441.0	0.0	0.0	0.0	0.00	0.00	0.00
442.0	0.00	0.00	442.0	0.0	0.0	0.0	0.00	0.00	0.00
443.0	0.00	0.00	443.0	0.0	0.0	0.0	0.00	0.00	0.00
444.0	0.00	0.00	444.0	0.0	0.0	0.0	0.00	0.00	0.00
445.0	0.00	0.00	445.0	0.0	0.0	0.0	0.00	0.00	0.00
446.0	0.00	0.00	446.0	0.0	0.0	0.0	0.00	0.00	0.00
447.0	0.00	0.00	447.0	0.0	0.0	0.0	0.00	0.00	0.00
448.0	0.00	0.00	448.0	0.0	0.0	0.0	0.00	0.00	0.00
449.0	0.00	0.00	449.0	0.0	0.0	0.0	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
451.0	0.00	0.00	451.0	0.0	0.0	0.0	0.00	0.00	0.00
452.0	0.00	0.00	452.0	0.0	0.0	0.0	0.00	0.00	0.00
453.0	0.00	0.00	453.0	0.0	0.0	0.0	0.00	0.00	0.00
454.0	0.00	0.00	454.0	0.0	0.0	0.0	0.00	0.00	0.00
455.0	0.00	0.00	455.0	0.0	0.0	0.0	0.00	0.00	0.00
456.0	0.00	0.00	456.0	0.0	0.0	0.0	0.00	0.00	0.00
457.0	0.00	0.00	457.0	0.0	0.0	0.0	0.00	0.00	0.00
458.0	0.00	0.00	458.0	0.0	0.0	0.0	0.00	0.00	0.00
459.0	0.00	0.00	459.0	0.0	0.0	0.0	0.00	0.00	0.00
460.0	0.00	0.00	460.0	0.0	0.0	0.0	0.00	0.00	0.00
461.0	0.00	0.00	461.0	0.0	0.0	0.0	0.00	0.00	0.00
462.0	0.00	0.00	462.0	0.0	0.0	0.0	0.00	0.00	0.00
463.0	0.00	0.00	463.0	0.0	0.0	0.0	0.00	0.00	0.00
464.0	0.00	0.00	464.0	0.0	0.0	0.0	0.00	0.00	0.00
465.0	0.00	0.00	465.0	0.0	0.0	0.0	0.00	0.00	0.00
466.0	0.00	0.00	466.0	0.0	0.0	0.0	0.00	0.00	0.00
467.0	0.00	0.00	467.0	0.0	0.0	0.0	0.00	0.00	0.00
468.0	0.00	0.00	468.0	0.0	0.0	0.0	0.00	0.00	0.00
469.0	0.00	0.00	469.0	0.0	0.0	0.0	0.00	0.00	0.00
470.0	0.00	0.00	470.0	0.0	0.0	0.0	0.00	0.00	0.00
471.0	0.00	0.00	471.0	0.0	0.0	0.0	0.00	0.00	0.00
472.0	0.00	0.00	472.0	0.0	0.0	0.0	0.00	0.00	0.00
473.0	0.00	0.00	473.0	0.0	0.0	0.0	0.00	0.00	0.00
474.0	0.00	0.00	474.0	0.0	0.0	0.0	0.00	0.00	0.00
475.0	0.00	0.00	475.0	0.0	0.0	0.0	0.00	0.00	0.00
476.0	0.00	0.00	476.0	0.0	0.0	0.0	0.00	0.00	0.00
477.0	0.00	0.00	477.0	0.0	0.0	0.0	0.00	0.00	0.00
478.0	0.00	0.00	478.0	0.0	0.0	0.0	0.00	0.00	0.00
479.0	0.00	0.00	479.0	0.0	0.0	0.0	0.00	0.00	0.00
480.0	0.00	0.00	480.0	0.0	0.0	0.0	0.00	0.00	0.00
481.0	0.00	0.00	481.0	0.0	0.0	0.0	0.00	0.00	0.00
482.0	0.00	0.00	482.0	0.0	0.0	0.0	0.00	0.00	0.00
483.0	0.00	0.00	483.0	0.0	0.0	0.0	0.00	0.00	0.00
484.0	0.00	0.00	484.0	0.0	0.0	0.0	0.00	0.00	0.00
485.0	0.00	0.00	485.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
486.0	0.00	0.00	486.0	0.0	0.0	0.0	0.00	0.00	0.00
487.0	0.00	0.00	487.0	0.0	0.0	0.0	0.00	0.00	0.00
488.0	0.00	0.00	488.0	0.0	0.0	0.0	0.00	0.00	0.00
489.0	0.00	0.00	489.0	0.0	0.0	0.0	0.00	0.00	0.00
490.0	0.00	0.00	490.0	0.0	0.0	0.0	0.00	0.00	0.00
491.0	0.00	0.00	491.0	0.0	0.0	0.0	0.00	0.00	0.00
492.0	0.00	0.00	492.0	0.0	0.0	0.0	0.00	0.00	0.00
493.0	0.00	0.00	493.0	0.0	0.0	0.0	0.00	0.00	0.00
494.0	0.00	0.00	494.0	0.0	0.0	0.0	0.00	0.00	0.00
495.0	0.00	0.00	495.0	0.0	0.0	0.0	0.00	0.00	0.00
496.0	0.00	0.00	496.0	0.0	0.0	0.0	0.00	0.00	0.00
497.0	0.00	0.00	497.0	0.0	0.0	0.0	0.00	0.00	0.00
498.0	0.00	0.00	498.0	0.0	0.0	0.0	0.00	0.00	0.00
499.0	0.00	0.00	499.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
501.0	0.00	0.00	501.0	0.0	0.0	0.0	0.00	0.00	0.00
502.0	0.00	0.00	502.0	0.0	0.0	0.0	0.00	0.00	0.00
503.0	0.00	0.00	503.0	0.0	0.0	0.0	0.00	0.00	0.00
504.0	0.00	0.00	504.0	0.0	0.0	0.0	0.00	0.00	0.00
505.0	0.00	0.00	505.0	0.0	0.0	0.0	0.00	0.00	0.00
506.0	0.00	0.00	506.0	0.0	0.0	0.0	0.00	0.00	0.00
507.0	0.00	0.00	507.0	0.0	0.0	0.0	0.00	0.00	0.00
508.0	0.00	0.00	508.0	0.0	0.0	0.0	0.00	0.00	0.00
509.0	0.00	0.00	509.0	0.0	0.0	0.0	0.00	0.00	0.00
510.0	0.00	0.00	510.0	0.0	0.0	0.0	0.00	0.00	0.00
511.0	0.00	0.00	511.0	0.0	0.0	0.0	0.00	0.00	0.00
512.0	0.00	0.00	512.0	0.0	0.0	0.0	0.00	0.00	0.00
513.0	0.00	0.00	513.0	0.0	0.0	0.0	0.00	0.00	0.00
514.0	0.00	0.00	514.0	0.0	0.0	0.0	0.00	0.00	0.00
515.0	0.00	0.00	515.0	0.0	0.0	0.0	0.00	0.00	0.00
516.0	0.00	0.00	516.0	0.0	0.0	0.0	0.00	0.00	0.00
517.0	0.00	0.00	517.0	0.0	0.0	0.0	0.00	0.00	0.00
518.0	0.00	0.00	518.0	0.0	0.0	0.0	0.00	0.00	0.00
519.0	0.00	0.00	519.0	0.0	0.0	0.0	0.00	0.00	0.00
520.0	0.00	0.00	520.0	0.0	0.0	0.0	0.00	0.00	0.00
521.0	0.00	0.00	521.0	0.0	0.0	0.0	0.00	0.00	0.00
522.0	0.00	0.00	522.0	0.0	0.0	0.0	0.00	0.00	0.00
523.0	0.00	0.00	523.0	0.0	0.0	0.0	0.00	0.00	0.00
524.0	0.00	0.00	524.0	0.0	0.0	0.0	0.00	0.00	0.00
525.0	0.00	0.00	525.0	0.0	0.0	0.0	0.00	0.00	0.00
526.0	0.00	0.00	526.0	0.0	0.0	0.0	0.00	0.00	0.00
527.0	0.00	0.00	527.0	0.0	0.0	0.0	0.00	0.00	0.00
528.0	0.00	0.00	528.0	0.0	0.0	0.0	0.00	0.00	0.00
529.0	0.00	0.00	529.0	0.0	0.0	0.0	0.00	0.00	0.00
530.0	0.00	0.00	530.0	0.0	0.0	0.0	0.00	0.00	0.00
531.0	0.00	0.00	531.0	0.0	0.0	0.0	0.00	0.00	0.00
532.0	0.00	0.00	532.0	0.0	0.0	0.0	0.00	0.00	0.00
533.0	0.00	0.00	533.0	0.0	0.0	0.0	0.00	0.00	0.00
534.0	0.00	0.00	534.0	0.0	0.0	0.0	0.00	0.00	0.00
535.0	0.00	0.00	535.0	0.0	0.0	0.0	0.00	0.00	0.00
536.0	0.00	0.00	536.0	0.0	0.0	0.0	0.00	0.00	0.00
537.0	0.00	0.00	537.0	0.0	0.0	0.0	0.00	0.00	0.00
538.0	0.00	0.00	538.0	0.0	0.0	0.0	0.00	0.00	0.00
539.0	0.00	0.00	539.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
540.0	0.00	0.00	540.0	0.0	0.0	0.0	0.00	0.00	0.00
541.0	0.00	0.00	541.0	0.0	0.0	0.0	0.00	0.00	0.00
542.0	0.00	0.00	542.0	0.0	0.0	0.0	0.00	0.00	0.00
543.0	0.00	0.00	543.0	0.0	0.0	0.0	0.00	0.00	0.00
544.0	0.00	0.00	544.0	0.0	0.0	0.0	0.00	0.00	0.00
545.0	0.00	0.00	545.0	0.0	0.0	0.0	0.00	0.00	0.00
546.0	0.00	0.00	546.0	0.0	0.0	0.0	0.00	0.00	0.00
547.0	0.00	0.00	547.0	0.0	0.0	0.0	0.00	0.00	0.00
548.0	0.00	0.00	548.0	0.0	0.0	0.0	0.00	0.00	0.00
549.0	0.00	0.00	549.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
551.0	0.00	0.00	551.0	0.0	0.0	0.0	0.00	0.00	0.00
552.0	0.00	0.00	552.0	0.0	0.0	0.0	0.00	0.00	0.00
553.0	0.00	0.00	553.0	0.0	0.0	0.0	0.00	0.00	0.00
554.0	0.00	0.00	554.0	0.0	0.0	0.0	0.00	0.00	0.00
555.0	0.00	0.00	555.0	0.0	0.0	0.0	0.00	0.00	0.00
556.0	0.00	0.00	556.0	0.0	0.0	0.0	0.00	0.00	0.00
557.0	0.00	0.00	557.0	0.0	0.0	0.0	0.00	0.00	0.00
558.0	0.00	0.00	558.0	0.0	0.0	0.0	0.00	0.00	0.00
559.0	0.00	0.00	559.0	0.0	0.0	0.0	0.00	0.00	0.00
560.0	0.00	0.00	560.0	0.0	0.0	0.0	0.00	0.00	0.00
561.0	0.00	0.00	561.0	0.0	0.0	0.0	0.00	0.00	0.00
562.0	0.00	0.00	562.0	0.0	0.0	0.0	0.00	0.00	0.00
563.0	0.00	0.00	563.0	0.0	0.0	0.0	0.00	0.00	0.00
564.0	0.00	0.00	564.0	0.0	0.0	0.0	0.00	0.00	0.00
565.0	0.00	0.00	565.0	0.0	0.0	0.0	0.00	0.00	0.00
566.0	0.00	0.00	566.0	0.0	0.0	0.0	0.00	0.00	0.00
567.0	0.00	0.00	567.0	0.0	0.0	0.0	0.00	0.00	0.00
568.0	0.00	0.00	568.0	0.0	0.0	0.0	0.00	0.00	0.00
569.0	0.00	0.00	569.0	0.0	0.0	0.0	0.00	0.00	0.00
570.0	0.00	0.00	570.0	0.0	0.0	0.0	0.00	0.00	0.00
571.0	0.00	0.00	571.0	0.0	0.0	0.0	0.00	0.00	0.00
572.0	0.00	0.00	572.0	0.0	0.0	0.0	0.00	0.00	0.00
573.0	0.00	0.00	573.0	0.0	0.0	0.0	0.00	0.00	0.00
574.0	0.00	0.00	574.0	0.0	0.0	0.0	0.00	0.00	0.00
575.0	0.00	0.00	575.0	0.0	0.0	0.0	0.00	0.00	0.00
576.0	0.00	0.00	576.0	0.0	0.0	0.0	0.00	0.00	0.00
577.0	0.00	0.00	577.0	0.0	0.0	0.0	0.00	0.00	0.00
578.0	0.00	0.00	578.0	0.0	0.0	0.0	0.00	0.00	0.00
579.0	0.00	0.00	579.0	0.0	0.0	0.0	0.00	0.00	0.00
580.0	0.00	0.00	580.0	0.0	0.0	0.0	0.00	0.00	0.00
581.0	0.00	0.00	581.0	0.0	0.0	0.0	0.00	0.00	0.00
582.0	0.00	0.00	582.0	0.0	0.0	0.0	0.00	0.00	0.00
583.0	0.00	0.00	583.0	0.0	0.0	0.0	0.00	0.00	0.00
584.0	0.00	0.00	584.0	0.0	0.0	0.0	0.00	0.00	0.00
585.0	0.00	0.00	585.0	0.0	0.0	0.0	0.00	0.00	0.00
586.0	0.00	0.00	586.0	0.0	0.0	0.0	0.00	0.00	0.00
587.0	0.00	0.00	587.0	0.0	0.0	0.0	0.00	0.00	0.00
588.0	0.00	0.00	588.0	0.0	0.0	0.0	0.00	0.00	0.00
589.0	0.00	0.00	589.0	0.0	0.0	0.0	0.00	0.00	0.00
590.0	0.00	0.00	590.0	0.0	0.0	0.0	0.00	0.00	0.00
591.0	0.00	0.00	591.0	0.0	0.0	0.0	0.00	0.00	0.00
592.0	0.00	0.00	592.0	0.0	0.0	0.0	0.00	0.00	0.00
593.0	0.00	0.00	593.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
594.0	0.00	0.00	594.0	0.0	0.0	0.0	0.00	0.00	0.00	
595.0	0.00	0.00	595.0	0.0	0.0	0.0	0.00	0.00	0.00	
596.0	0.00	0.00	596.0	0.0	0.0	0.0	0.00	0.00	0.00	
597.0	0.00	0.00	597.0	0.0	0.0	0.0	0.00	0.00	0.00	
598.0	0.00	0.00	598.0	0.0	0.0	0.0	0.00	0.00	0.00	
599.0	0.00	0.00	599.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
601.0	0.00	0.00	601.0	0.0	0.0	0.0	0.00	0.00	0.00	
602.0	0.00	0.00	602.0	0.0	0.0	0.0	0.00	0.00	0.00	
603.0	0.00	0.00	603.0	0.0	0.0	0.0	0.00	0.00	0.00	
604.0	0.00	0.00	604.0	0.0	0.0	0.0	0.00	0.00	0.00	
605.0	0.00	0.00	605.0	0.0	0.0	0.0	0.00	0.00	0.00	
606.0	0.00	0.00	606.0	0.0	0.0	0.0	0.00	0.00	0.00	
607.0	0.00	0.00	607.0	0.0	0.0	0.0	0.00	0.00	0.00	
608.0	0.00	0.00	608.0	0.0	0.0	0.0	0.00	0.00	0.00	
609.0	0.00	0.00	609.0	0.0	0.0	0.0	0.00	0.00	0.00	
610.0	0.00	0.00	610.0	0.0	0.0	0.0	0.00	0.00	0.00	
611.0	0.00	0.00	611.0	0.0	0.0	0.0	0.00	0.00	0.00	
612.0	0.00	0.00	612.0	0.0	0.0	0.0	0.00	0.00	0.00	
613.0	0.00	0.00	613.0	0.0	0.0	0.0	0.00	0.00	0.00	
614.0	0.00	0.00	614.0	0.0	0.0	0.0	0.00	0.00	0.00	
615.0	0.00	0.00	615.0	0.0	0.0	0.0	0.00	0.00	0.00	
616.0	0.00	0.00	616.0	0.0	0.0	0.0	0.00	0.00	0.00	
617.0	0.00	0.00	617.0	0.0	0.0	0.0	0.00	0.00	0.00	
618.0	0.00	0.00	618.0	0.0	0.0	0.0	0.00	0.00	0.00	
619.0	0.00	0.00	619.0	0.0	0.0	0.0	0.00	0.00	0.00	
620.0	0.00	0.00	620.0	0.0	0.0	0.0	0.00	0.00	0.00	
621.0	0.00	0.00	621.0	0.0	0.0	0.0	0.00	0.00	0.00	
622.0	0.00	0.00	622.0	0.0	0.0	0.0	0.00	0.00	0.00	
623.0	0.00	0.00	623.0	0.0	0.0	0.0	0.00	0.00	0.00	
624.0	0.00	0.00	624.0	0.0	0.0	0.0	0.00	0.00	0.00	
625.0	0.00	0.00	625.0	0.0	0.0	0.0	0.00	0.00	0.00	
626.0	0.00	0.00	626.0	0.0	0.0	0.0	0.00	0.00	0.00	
627.0	0.00	0.00	627.0	0.0	0.0	0.0	0.00	0.00	0.00	
628.0	0.00	0.00	628.0	0.0	0.0	0.0	0.00	0.00	0.00	
629.0	0.00	0.00	629.0	0.0	0.0	0.0	0.00	0.00	0.00	
630.0	0.00	0.00	630.0	0.0	0.0	0.0	0.00	0.00	0.00	
631.0	0.00	0.00	631.0	0.0	0.0	0.0	0.00	0.00	0.00	
632.0	0.00	0.00	632.0	0.0	0.0	0.0	0.00	0.00	0.00	
633.0	0.00	0.00	633.0	0.0	0.0	0.0	0.00	0.00	0.00	
634.0	0.00	0.00	634.0	0.0	0.0	0.0	0.00	0.00	0.00	
635.0	0.00	0.00	635.0	0.0	0.0	0.0	0.00	0.00	0.00	
636.0	0.00	0.00	636.0	0.0	0.0	0.0	0.00	0.00	0.00	
637.0	0.00	0.00	637.0	0.0	0.0	0.0	0.00	0.00	0.00	
638.0	0.00	0.00	638.0	0.0	0.0	0.0	0.00	0.00	0.00	
639.0	0.00	0.00	639.0	0.0	0.0	0.0	0.00	0.00	0.00	
640.0	0.00	0.00	640.0	0.0	0.0	0.0	0.00	0.00	0.00	
641.0	0.00	0.00	641.0	0.0	0.0	0.0	0.00	0.00	0.00	
642.0	0.00	0.00	642.0	0.0	0.0	0.0	0.00	0.00	0.00	
643.0	0.00	0.00	643.0	0.0	0.0	0.0	0.00	0.00	0.00	
644.0	0.00	0.00	644.0	0.0	0.0	0.0	0.00	0.00	0.00	
645.0	0.00	0.00	645.0	0.0	0.0	0.0	0.00	0.00	0.00	
646.0	0.00	0.00	646.0	0.0	0.0	0.0	0.00	0.00	0.00	
647.0	0.00	0.00	647.0	0.0	0.0	0.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
648.0	0.00	0.00	648.0	0.0	0.0	0.0	0.00	0.00	0.00	
649.0	0.00	0.00	649.0	0.0	0.0	0.0	0.00	0.00	0.00	
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00	
651.0	0.00	0.00	651.0	0.0	0.0	0.0	0.00	0.00	0.00	
652.0	0.00	0.00	652.0	0.0	0.0	0.0	0.00	0.00	0.00	
653.0	0.00	0.00	653.0	0.0	0.0	0.0	0.00	0.00	0.00	
654.0	0.00	0.00	654.0	0.0	0.0	0.0	0.00	0.00	0.00	
655.0	0.00	0.00	655.0	0.0	0.0	0.0	0.00	0.00	0.00	
656.0	0.00	0.00	656.0	0.0	0.0	0.0	0.00	0.00	0.00	
657.0	0.00	0.00	657.0	0.0	0.0	0.0	0.00	0.00	0.00	
658.0	0.00	0.00	658.0	0.0	0.0	0.0	0.00	0.00	0.00	
659.0	0.00	0.00	659.0	0.0	0.0	0.0	0.00	0.00	0.00	
660.0	0.00	0.00	660.0	0.0	0.0	0.0	0.00	0.00	0.00	
661.0	0.00	0.00	661.0	0.0	0.0	0.0	0.00	0.00	0.00	
662.0	0.00	0.00	662.0	0.0	0.0	0.0	0.00	0.00	0.00	
663.0	0.00	0.00	663.0	0.0	0.0	0.0	0.00	0.00	0.00	
664.0	0.00	0.00	664.0	0.0	0.0	0.0	0.00	0.00	0.00	
665.0	0.00	0.00	665.0	0.0	0.0	0.0	0.00	0.00	0.00	
666.0	0.00	0.00	666.0	0.0	0.0	0.0	0.00	0.00	0.00	
667.0	0.00	0.00	667.0	0.0	0.0	0.0	0.00	0.00	0.00	
668.0	0.00	0.00	668.0	0.0	0.0	0.0	0.00	0.00	0.00	
669.0	0.00	0.00	669.0	0.0	0.0	0.0	0.00	0.00	0.00	
670.0	0.00	0.00	670.0	0.0	0.0	0.0	0.00	0.00	0.00	
671.0	0.00	0.00	671.0	0.0	0.0	0.0	0.00	0.00	0.00	
672.0	0.00	0.00	672.0	0.0	0.0	0.0	0.00	0.00	0.00	
673.0	0.00	0.00	673.0	0.0	0.0	0.0	0.00	0.00	0.00	
674.0	0.00	0.00	674.0	0.0	0.0	0.0	0.00	0.00	0.00	
675.0	0.00	0.00	675.0	0.0	0.0	0.0	0.00	0.00	0.00	
676.0	0.00	0.00	676.0	0.0	0.0	0.0	0.00	0.00	0.00	
677.0	0.00	0.00	677.0	0.0	0.0	0.0	0.00	0.00	0.00	
678.0	0.00	0.00	678.0	0.0	0.0	0.0	0.00	0.00	0.00	
679.0	0.00	0.00	679.0	0.0	0.0	0.0	0.00	0.00	0.00	
680.0	0.00	0.00	680.0	0.0	0.0	0.0	0.00	0.00	0.00	
681.0	0.00	0.00	681.0	0.0	0.0	0.0	0.00	0.00	0.00	
682.0	0.00	0.00	682.0	0.0	0.0	0.0	0.00	0.00	0.00	
683.0	0.00	0.00	683.0	0.0	0.0	0.0	0.00	0.00	0.00	
684.0	0.00	0.00	684.0	0.0	0.0	0.0	0.00	0.00	0.00	
685.0	0.00	0.00	685.0	0.0	0.0	0.0	0.00	0.00	0.00	
686.0	0.00	0.00	686.0	0.0	0.0	0.0	0.00	0.00	0.00	
687.0	0.00	0.00	687.0	0.0	0.0	0.0	0.00	0.00	0.00	
688.0	0.00	0.00	688.0	0.0	0.0	0.0	0.00	0.00	0.00	
689.0	0.00	0.00	689.0	0.0	0.0	0.0	0.00	0.00	0.00	
690.0	0.00	0.00	690.0	0.0	0.0	0.0	0.00	0.00	0.00	
691.0	0.00	0.00	691.0	0.0	0.0	0.0	0.00	0.00	0.00	
692.0	0.00	0.00	692.0	0.0	0.0	0.0	0.00	0.00	0.00	
693.0	0.00	0.00	693.0	0.0	0.0	0.0	0.00	0.00	0.00	
694.0	0.00	0.00	694.0	0.0	0.0	0.0	0.00	0.00	0.00	
695.0	0.00	0.00	695.0	0.0	0.0	0.0	0.00	0.00	0.00	
696.0	0.00	0.00	696.0	0.0	0.0	0.0	0.00	0.00	0.00	
697.0	0.00	0.00	697.0	0.0	0.0	0.0	0.00	0.00	0.00	
698.0	0.00	0.00	698.0	0.0	0.0	0.0	0.00	0.00	0.00	
699.0	0.00	0.00	699.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
701.0	0.00	0.00	701.0	0.0	0.0	0.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
702.0	0.00	0.00	702.0	0.0	0.0	0.0	0.00	0.00	0.00
703.0	0.00	0.00	703.0	0.0	0.0	0.0	0.00	0.00	0.00
704.0	0.00	0.00	704.0	0.0	0.0	0.0	0.00	0.00	0.00
705.0	0.00	0.00	705.0	0.0	0.0	0.0	0.00	0.00	0.00
706.0	0.00	0.00	706.0	0.0	0.0	0.0	0.00	0.00	0.00
707.0	0.00	0.00	707.0	0.0	0.0	0.0	0.00	0.00	0.00
708.0	0.00	0.00	708.0	0.0	0.0	0.0	0.00	0.00	0.00
709.0	0.00	0.00	709.0	0.0	0.0	0.0	0.00	0.00	0.00
710.0	0.00	0.00	710.0	0.0	0.0	0.0	0.00	0.00	0.00
711.0	0.00	0.00	711.0	0.0	0.0	0.0	0.00	0.00	0.00
712.0	0.00	0.00	712.0	0.0	0.0	0.0	0.00	0.00	0.00
713.0	0.00	0.00	713.0	0.0	0.0	0.0	0.00	0.00	0.00
714.0	0.00	0.00	714.0	0.0	0.0	0.0	0.00	0.00	0.00
715.0	0.00	0.00	715.0	0.0	0.0	0.0	0.00	0.00	0.00
716.0	0.00	0.00	716.0	0.0	0.0	0.0	0.00	0.00	0.00
717.0	0.00	0.00	717.0	0.0	0.0	0.0	0.00	0.00	0.00
718.0	0.00	0.00	718.0	0.0	0.0	0.0	0.00	0.00	0.00
719.0	0.00	0.00	719.0	0.0	0.0	0.0	0.00	0.00	0.00
720.0	0.00	0.00	720.0	0.0	0.0	0.0	0.00	0.00	0.00
721.0	0.00	0.00	721.0	0.0	0.0	0.0	0.00	0.00	0.00
722.0	0.00	0.00	722.0	0.0	0.0	0.0	0.00	0.00	0.00
723.0	0.00	0.00	723.0	0.0	0.0	0.0	0.00	0.00	0.00
724.0	0.00	0.00	724.0	0.0	0.0	0.0	0.00	0.00	0.00
725.0	0.00	0.00	725.0	0.0	0.0	0.0	0.00	0.00	0.00
726.0	0.00	0.00	726.0	0.0	0.0	0.0	0.00	0.00	0.00
727.0	0.00	0.00	727.0	0.0	0.0	0.0	0.00	0.00	0.00
728.0	0.00	0.00	728.0	0.0	0.0	0.0	0.00	0.00	0.00
729.0	0.00	0.00	729.0	0.0	0.0	0.0	0.00	0.00	0.00
730.0	0.00	0.00	730.0	0.0	0.0	0.0	0.00	0.00	0.00
731.0	0.00	0.00	731.0	0.0	0.0	0.0	0.00	0.00	0.00
732.0	0.00	0.00	732.0	0.0	0.0	0.0	0.00	0.00	0.00
733.0	0.00	0.00	733.0	0.0	0.0	0.0	0.00	0.00	0.00
734.0	0.00	0.00	734.0	0.0	0.0	0.0	0.00	0.00	0.00
735.0	0.00	0.00	735.0	0.0	0.0	0.0	0.00	0.00	0.00
736.0	0.00	0.00	736.0	0.0	0.0	0.0	0.00	0.00	0.00
737.0	0.00	0.00	737.0	0.0	0.0	0.0	0.00	0.00	0.00
738.0	0.00	0.00	738.0	0.0	0.0	0.0	0.00	0.00	0.00
739.0	0.00	0.00	739.0	0.0	0.0	0.0	0.00	0.00	0.00
740.0	0.00	0.00	740.0	0.0	0.0	0.0	0.00	0.00	0.00
741.0	0.00	0.00	741.0	0.0	0.0	0.0	0.00	0.00	0.00
742.0	0.00	0.00	742.0	0.0	0.0	0.0	0.00	0.00	0.00
743.0	0.00	0.00	743.0	0.0	0.0	0.0	0.00	0.00	0.00
744.0	0.00	0.00	744.0	0.0	0.0	0.0	0.00	0.00	0.00
745.0	0.00	0.00	745.0	0.0	0.0	0.0	0.00	0.00	0.00
746.0	0.00	0.00	746.0	0.0	0.0	0.0	0.00	0.00	0.00
747.0	0.00	0.00	747.0	0.0	0.0	0.0	0.00	0.00	0.00
748.0	0.00	0.00	748.0	0.0	0.0	0.0	0.00	0.00	0.00
749.0	0.00	0.00	749.0	0.0	0.0	0.0	0.00	0.00	0.00
750.0	0.00	0.00	750.0	0.0	0.0	0.0	0.00	0.00	0.00
751.0	0.00	0.00	751.0	0.0	0.0	0.0	0.00	0.00	0.00
752.0	0.00	0.00	752.0	0.0	0.0	0.0	0.00	0.00	0.00
753.0	0.00	0.00	753.0	0.0	0.0	0.0	0.00	0.00	0.00
754.0	0.00	0.00	754.0	0.0	0.0	0.0	0.00	0.00	0.00
755.0	0.00	0.00	755.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
756.0	0.00	0.00	756.0	0.0	0.0	0.0	0.00	0.00	0.00
757.0	0.00	0.00	757.0	0.0	0.0	0.0	0.00	0.00	0.00
758.0	0.00	0.00	758.0	0.0	0.0	0.0	0.00	0.00	0.00
759.0	0.00	0.00	759.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
761.0	0.00	0.00	761.0	0.0	0.0	0.0	0.00	0.00	0.00
762.0	0.00	0.00	762.0	0.0	0.0	0.0	0.00	0.00	0.00
763.0	0.00	0.00	763.0	0.0	0.0	0.0	0.00	0.00	0.00
764.0	0.00	0.00	764.0	0.0	0.0	0.0	0.00	0.00	0.00
765.0	0.00	0.00	765.0	0.0	0.0	0.0	0.00	0.00	0.00
766.0	0.00	0.00	766.0	0.0	0.0	0.0	0.00	0.00	0.00
767.0	0.00	0.00	767.0	0.0	0.0	0.0	0.00	0.00	0.00
768.0	0.00	0.00	768.0	0.0	0.0	0.0	0.00	0.00	0.00
769.0	0.00	0.00	769.0	0.0	0.0	0.0	0.00	0.00	0.00
770.0	0.00	0.00	770.0	0.0	0.0	0.0	0.00	0.00	0.00
771.0	0.00	0.00	771.0	0.0	0.0	0.0	0.00	0.00	0.00
772.0	0.00	0.00	772.0	0.0	0.0	0.0	0.00	0.00	0.00
773.0	0.00	0.00	773.0	0.0	0.0	0.0	0.00	0.00	0.00
774.0	0.00	0.00	774.0	0.0	0.0	0.0	0.00	0.00	0.00
775.0	0.00	0.00	775.0	0.0	0.0	0.0	0.00	0.00	0.00
776.0	0.00	0.00	776.0	0.0	0.0	0.0	0.00	0.00	0.00
777.0	0.00	0.00	777.0	0.0	0.0	0.0	0.00	0.00	0.00
778.0	0.00	0.00	778.0	0.0	0.0	0.0	0.00	0.00	0.00
779.0	0.00	0.00	779.0	0.0	0.0	0.0	0.00	0.00	0.00
780.0	0.00	0.00	780.0	0.0	0.0	0.0	0.00	0.00	0.00
781.0	0.00	0.00	781.0	0.0	0.0	0.0	0.00	0.00	0.00
782.0	0.00	0.00	782.0	0.0	0.0	0.0	0.00	0.00	0.00
783.0	0.00	0.00	783.0	0.0	0.0	0.0	0.00	0.00	0.00
784.0	0.00	0.00	784.0	0.0	0.0	0.0	0.00	0.00	0.00
785.0	0.00	0.00	785.0	0.0	0.0	0.0	0.00	0.00	0.00
786.0	0.00	0.00	786.0	0.0	0.0	0.0	0.00	0.00	0.00
787.0	0.00	0.00	787.0	0.0	0.0	0.0	0.00	0.00	0.00
788.0	0.00	0.00	788.0	0.0	0.0	0.0	0.00	0.00	0.00
789.0	0.00	0.00	789.0	0.0	0.0	0.0	0.00	0.00	0.00
790.0	0.00	0.00	790.0	0.0	0.0	0.0	0.00	0.00	0.00
791.0	0.00	0.00	791.0	0.0	0.0	0.0	0.00	0.00	0.00
792.0	0.00	0.00	792.0	0.0	0.0	0.0	0.00	0.00	0.00
793.0	0.00	0.00	793.0	0.0	0.0	0.0	0.00	0.00	0.00
794.0	0.00	0.00	794.0	0.0	0.0	0.0	0.00	0.00	0.00
795.0	0.00	0.00	795.0	0.0	0.0	0.0	0.00	0.00	0.00
796.0	0.00	0.00	796.0	0.0	0.0	0.0	0.00	0.00	0.00
797.0	0.00	0.00	797.0	0.0	0.0	0.0	0.00	0.00	0.00
798.0	0.00	0.00	798.0	0.0	0.0	0.0	0.00	0.00	0.00
799.0	0.00	0.00	799.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
801.0	0.00	0.00	801.0	0.0	0.0	0.0	0.00	0.00	0.00
802.0	0.00	0.00	802.0	0.0	0.0	0.0	0.00	0.00	0.00
803.0	0.00	0.00	803.0	0.0	0.0	0.0	0.00	0.00	0.00
804.0	0.00	0.00	804.0	0.0	0.0	0.0	0.00	0.00	0.00
805.0	0.00	0.00	805.0	0.0	0.0	0.0	0.00	0.00	0.00
806.0	0.00	0.00	806.0	0.0	0.0	0.0	0.00	0.00	0.00
807.0	0.00	0.00	807.0	0.0	0.0	0.0	0.00	0.00	0.00
808.0	0.00	0.00	808.0	0.0	0.0	0.0	0.00	0.00	0.00
809.0	0.00	0.00	809.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
810.0	0.00	0.00	810.0	0.0	0.0	0.0	0.00	0.00	0.00
811.0	0.00	0.00	811.0	0.0	0.0	0.0	0.00	0.00	0.00
812.0	0.00	0.00	812.0	0.0	0.0	0.0	0.00	0.00	0.00
813.0	0.00	0.00	813.0	0.0	0.0	0.0	0.00	0.00	0.00
814.0	0.00	0.00	814.0	0.0	0.0	0.0	0.00	0.00	0.00
815.0	0.00	0.00	815.0	0.0	0.0	0.0	0.00	0.00	0.00
816.0	0.00	0.00	816.0	0.0	0.0	0.0	0.00	0.00	0.00
817.0	0.00	0.00	817.0	0.0	0.0	0.0	0.00	0.00	0.00
818.0	0.00	0.00	818.0	0.0	0.0	0.0	0.00	0.00	0.00
819.0	0.00	0.00	819.0	0.0	0.0	0.0	0.00	0.00	0.00
820.0	0.00	0.00	820.0	0.0	0.0	0.0	0.00	0.00	0.00
821.0	0.00	0.00	821.0	0.0	0.0	0.0	0.00	0.00	0.00
822.0	0.00	0.00	822.0	0.0	0.0	0.0	0.00	0.00	0.00
823.0	0.00	0.00	823.0	0.0	0.0	0.0	0.00	0.00	0.00
824.0	0.00	0.00	824.0	0.0	0.0	0.0	0.00	0.00	0.00
825.0	0.00	0.00	825.0	0.0	0.0	0.0	0.00	0.00	0.00
826.0	0.00	0.00	826.0	0.0	0.0	0.0	0.00	0.00	0.00
827.0	0.00	0.00	827.0	0.0	0.0	0.0	0.00	0.00	0.00
828.0	0.00	0.00	828.0	0.0	0.0	0.0	0.00	0.00	0.00
829.0	0.00	0.00	829.0	0.0	0.0	0.0	0.00	0.00	0.00
830.0	0.00	0.00	830.0	0.0	0.0	0.0	0.00	0.00	0.00
831.0	0.00	0.00	831.0	0.0	0.0	0.0	0.00	0.00	0.00
832.0	0.00	0.00	832.0	0.0	0.0	0.0	0.00	0.00	0.00
833.0	0.00	0.00	833.0	0.0	0.0	0.0	0.00	0.00	0.00
834.0	0.00	0.00	834.0	0.0	0.0	0.0	0.00	0.00	0.00
835.0	0.00	0.00	835.0	0.0	0.0	0.0	0.00	0.00	0.00
836.0	0.00	0.00	836.0	0.0	0.0	0.0	0.00	0.00	0.00
837.0	0.00	0.00	837.0	0.0	0.0	0.0	0.00	0.00	0.00
838.0	0.00	0.00	838.0	0.0	0.0	0.0	0.00	0.00	0.00
839.0	0.00	0.00	839.0	0.0	0.0	0.0	0.00	0.00	0.00
840.0	0.00	0.00	840.0	0.0	0.0	0.0	0.00	0.00	0.00
841.0	0.00	0.00	841.0	0.0	0.0	0.0	0.00	0.00	0.00
842.0	0.00	0.00	842.0	0.0	0.0	0.0	0.00	0.00	0.00
843.0	0.00	0.00	843.0	0.0	0.0	0.0	0.00	0.00	0.00
844.0	0.00	0.00	844.0	0.0	0.0	0.0	0.00	0.00	0.00
845.0	0.00	0.00	845.0	0.0	0.0	0.0	0.00	0.00	0.00
846.0	0.00	0.00	846.0	0.0	0.0	0.0	0.00	0.00	0.00
847.0	0.00	0.00	847.0	0.0	0.0	0.0	0.00	0.00	0.00
848.0	0.00	0.00	848.0	0.0	0.0	0.0	0.00	0.00	0.00
849.0	0.00	0.00	849.0	0.0	0.0	0.0	0.00	0.00	0.00
850.0	0.00	0.00	850.0	0.0	0.0	0.0	0.00	0.00	0.00
851.0	0.00	0.00	851.0	0.0	0.0	0.0	0.00	0.00	0.00
852.0	0.00	0.00	852.0	0.0	0.0	0.0	0.00	0.00	0.00
853.0	0.00	0.00	853.0	0.0	0.0	0.0	0.00	0.00	0.00
854.0	0.00	0.00	854.0	0.0	0.0	0.0	0.00	0.00	0.00
855.0	0.00	0.00	855.0	0.0	0.0	0.0	0.00	0.00	0.00
856.0	0.00	0.00	856.0	0.0	0.0	0.0	0.00	0.00	0.00
857.0	0.00	0.00	857.0	0.0	0.0	0.0	0.00	0.00	0.00
858.0	0.00	0.00	858.0	0.0	0.0	0.0	0.00	0.00	0.00
859.0	0.00	0.00	859.0	0.0	0.0	0.0	0.00	0.00	0.00
860.0	0.00	0.00	860.0	0.0	0.0	0.0	0.00	0.00	0.00
861.0	0.00	0.00	861.0	0.0	0.0	0.0	0.00	0.00	0.00
862.0	0.00	0.00	862.0	0.0	0.0	0.0	0.00	0.00	0.00
863.0	0.00	0.00	863.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
864.0	0.00	0.00	864.0	0.0	0.0	0.0	0.00	0.00	0.00
865.0	0.00	0.00	865.0	0.0	0.0	0.0	0.00	0.00	0.00
866.0	0.00	0.00	866.0	0.0	0.0	0.0	0.00	0.00	0.00
867.0	0.00	0.00	867.0	0.0	0.0	0.0	0.00	0.00	0.00
868.0	0.00	0.00	868.0	0.0	0.0	0.0	0.00	0.00	0.00
869.0	0.00	0.00	869.0	0.0	0.0	0.0	0.00	0.00	0.00
870.0	0.00	0.00	870.0	0.0	0.0	0.0	0.00	0.00	0.00
871.0	0.00	0.00	871.0	0.0	0.0	0.0	0.00	0.00	0.00
872.0	0.00	0.00	872.0	0.0	0.0	0.0	0.00	0.00	0.00
873.0	0.00	0.00	873.0	0.0	0.0	0.0	0.00	0.00	0.00
874.0	0.00	0.00	874.0	0.0	0.0	0.0	0.00	0.00	0.00
875.0	0.00	0.00	875.0	0.0	0.0	0.0	0.00	0.00	0.00
876.0	0.00	0.00	876.0	0.0	0.0	0.0	0.00	0.00	0.00
877.0	0.00	0.00	877.0	0.0	0.0	0.0	0.00	0.00	0.00
878.0	0.00	0.00	878.0	0.0	0.0	0.0	0.00	0.00	0.00
879.0	0.00	0.00	879.0	0.0	0.0	0.0	0.00	0.00	0.00
880.0	0.00	0.00	880.0	0.0	0.0	0.0	0.00	0.00	0.00
881.0	0.00	0.00	881.0	0.0	0.0	0.0	0.00	0.00	0.00
882.0	0.00	0.00	882.0	0.0	0.0	0.0	0.00	0.00	0.00
883.0	0.00	0.00	883.0	0.0	0.0	0.0	0.00	0.00	0.00
884.0	0.00	0.00	884.0	0.0	0.0	0.0	0.00	0.00	0.00
885.0	0.00	0.00	885.0	0.0	0.0	0.0	0.00	0.00	0.00
886.0	0.00	0.00	886.0	0.0	0.0	0.0	0.00	0.00	0.00
887.0	0.00	0.00	887.0	0.0	0.0	0.0	0.00	0.00	0.00
888.0	0.00	0.00	888.0	0.0	0.0	0.0	0.00	0.00	0.00
889.0	0.00	0.00	889.0	0.0	0.0	0.0	0.00	0.00	0.00
890.0	0.00	0.00	890.0	0.0	0.0	0.0	0.00	0.00	0.00
891.0	0.00	0.00	891.0	0.0	0.0	0.0	0.00	0.00	0.00
892.0	0.00	0.00	892.0	0.0	0.0	0.0	0.00	0.00	0.00
893.0	0.00	0.00	893.0	0.0	0.0	0.0	0.00	0.00	0.00
894.0	0.00	0.00	894.0	0.0	0.0	0.0	0.00	0.00	0.00
895.0	0.00	0.00	895.0	0.0	0.0	0.0	0.00	0.00	0.00
896.0	0.00	0.00	896.0	0.0	0.0	0.0	0.00	0.00	0.00
897.0	0.00	0.00	897.0	0.0	0.0	0.0	0.00	0.00	0.00
898.0	0.00	0.00	898.0	0.0	0.0	0.0	0.00	0.00	0.00
899.0	0.00	0.00	899.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
901.0	0.00	0.00	901.0	0.0	0.0	0.0	0.00	0.00	0.00
902.0	0.00	0.00	902.0	0.0	0.0	0.0	0.00	0.00	0.00
903.0	0.00	0.00	903.0	0.0	0.0	0.0	0.00	0.00	0.00
904.0	0.00	0.00	904.0	0.0	0.0	0.0	0.00	0.00	0.00
905.0	0.00	0.00	905.0	0.0	0.0	0.0	0.00	0.00	0.00
906.0	0.00	0.00	906.0	0.0	0.0	0.0	0.00	0.00	0.00
907.0	0.00	0.00	907.0	0.0	0.0	0.0	0.00	0.00	0.00
908.0	0.00	0.00	908.0	0.0	0.0	0.0	0.00	0.00	0.00
909.0	0.00	0.00	909.0	0.0	0.0	0.0	0.00	0.00	0.00
910.0	0.00	0.00	910.0	0.0	0.0	0.0	0.00	0.00	0.00
911.0	0.00	0.00	911.0	0.0	0.0	0.0	0.00	0.00	0.00
912.0	0.00	0.00	912.0	0.0	0.0	0.0	0.00	0.00	0.00
913.0	0.00	0.00	913.0	0.0	0.0	0.0	0.00	0.00	0.00
914.0	0.00	0.00	914.0	0.0	0.0	0.0	0.00	0.00	0.00
915.0	0.00	0.00	915.0	0.0	0.0	0.0	0.00	0.00	0.00
916.0	0.00	0.00	916.0	0.0	0.0	0.0	0.00	0.00	0.00
917.0	0.00	0.00	917.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
918.0	0.00	0.00	918.0	0.0	0.0	0.0	0.00	0.00	0.00	
919.0	0.00	0.00	919.0	0.0	0.0	0.0	0.00	0.00	0.00	
920.0	0.00	0.00	920.0	0.0	0.0	0.0	0.00	0.00	0.00	
921.0	0.00	0.00	921.0	0.0	0.0	0.0	0.00	0.00	0.00	
922.0	0.00	0.00	922.0	0.0	0.0	0.0	0.00	0.00	0.00	
923.0	0.00	0.00	923.0	0.0	0.0	0.0	0.00	0.00	0.00	
924.0	0.00	0.00	924.0	0.0	0.0	0.0	0.00	0.00	0.00	
925.0	0.00	0.00	925.0	0.0	0.0	0.0	0.00	0.00	0.00	
926.0	0.00	0.00	926.0	0.0	0.0	0.0	0.00	0.00	0.00	
927.0	0.00	0.00	927.0	0.0	0.0	0.0	0.00	0.00	0.00	
928.0	0.00	0.00	928.0	0.0	0.0	0.0	0.00	0.00	0.00	
929.0	0.00	0.00	929.0	0.0	0.0	0.0	0.00	0.00	0.00	
930.0	0.00	0.00	930.0	0.0	0.0	0.0	0.00	0.00	0.00	
931.0	0.00	0.00	931.0	0.0	0.0	0.0	0.00	0.00	0.00	
932.0	0.00	0.00	932.0	0.0	0.0	0.0	0.00	0.00	0.00	
933.0	0.00	0.00	933.0	0.0	0.0	0.0	0.00	0.00	0.00	
934.0	0.00	0.00	934.0	0.0	0.0	0.0	0.00	0.00	0.00	
935.0	0.00	0.00	935.0	0.0	0.0	0.0	0.00	0.00	0.00	
936.0	0.00	0.00	936.0	0.0	0.0	0.0	0.00	0.00	0.00	
937.0	0.00	0.00	937.0	0.0	0.0	0.0	0.00	0.00	0.00	
938.0	0.00	0.00	938.0	0.0	0.0	0.0	0.00	0.00	0.00	
939.0	0.00	0.00	939.0	0.0	0.0	0.0	0.00	0.00	0.00	
940.0	0.00	0.00	940.0	0.0	0.0	0.0	0.00	0.00	0.00	
941.0	0.00	0.00	941.0	0.0	0.0	0.0	0.00	0.00	0.00	
942.0	0.00	0.00	942.0	0.0	0.0	0.0	0.00	0.00	0.00	
943.0	0.00	0.00	943.0	0.0	0.0	0.0	0.00	0.00	0.00	
944.0	0.00	0.00	944.0	0.0	0.0	0.0	0.00	0.00	0.00	
945.0	0.00	0.00	945.0	0.0	0.0	0.0	0.00	0.00	0.00	
946.0	0.00	0.00	946.0	0.0	0.0	0.0	0.00	0.00	0.00	
947.0	0.00	0.00	947.0	0.0	0.0	0.0	0.00	0.00	0.00	
948.0	0.00	0.00	948.0	0.0	0.0	0.0	0.00	0.00	0.00	
949.0	0.00	0.00	949.0	0.0	0.0	0.0	0.00	0.00	0.00	
950.0	0.00	0.00	950.0	0.0	0.0	0.0	0.00	0.00	0.00	
951.0	0.00	0.00	951.0	0.0	0.0	0.0	0.00	0.00	0.00	
952.0	0.00	0.00	952.0	0.0	0.0	0.0	0.00	0.00	0.00	
953.0	0.00	0.00	953.0	0.0	0.0	0.0	0.00	0.00	0.00	
954.0	0.00	0.00	954.0	0.0	0.0	0.0	0.00	0.00	0.00	
955.0	0.00	0.00	955.0	0.0	0.0	0.0	0.00	0.00	0.00	
956.0	0.00	0.00	956.0	0.0	0.0	0.0	0.00	0.00	0.00	
957.0	0.00	0.00	957.0	0.0	0.0	0.0	0.00	0.00	0.00	
958.0	0.00	0.00	958.0	0.0	0.0	0.0	0.00	0.00	0.00	
959.0	0.00	0.00	959.0	0.0	0.0	0.0	0.00	0.00	0.00	
960.0	0.00	0.00	960.0	0.0	0.0	0.0	0.00	0.00	0.00	
961.0	0.00	0.00	961.0	0.0	0.0	0.0	0.00	0.00	0.00	
962.0	0.00	0.00	962.0	0.0	0.0	0.0	0.00	0.00	0.00	
963.0	0.00	0.00	963.0	0.0	0.0	0.0	0.00	0.00	0.00	
964.0	0.00	0.00	964.0	0.0	0.0	0.0	0.00	0.00	0.00	
965.0	0.00	0.00	965.0	0.0	0.0	0.0	0.00	0.00	0.00	
966.0	0.00	0.00	966.0	0.0	0.0	0.0	0.00	0.00	0.00	
967.0	0.00	0.00	967.0	0.0	0.0	0.0	0.00	0.00	0.00	
968.0	0.00	0.00	968.0	0.0	0.0	0.0	0.00	0.00	0.00	
969.0	0.00	0.00	969.0	0.0	0.0	0.0	0.00	0.00	0.00	
970.0	0.00	0.00	970.0	0.0	0.0	0.0	0.00	0.00	0.00	
971.0	0.00	0.00	971.0	0.0	0.0	0.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
972.0	0.00	0.00	972.0	0.0	0.0	0.0	0.00	0.00	0.00
973.0	0.00	0.00	973.0	0.0	0.0	0.0	0.00	0.00	0.00
974.0	0.00	0.00	974.0	0.0	0.0	0.0	0.00	0.00	0.00
975.0	0.00	0.00	975.0	0.0	0.0	0.0	0.00	0.00	0.00
976.0	0.00	0.00	976.0	0.0	0.0	0.0	0.00	0.00	0.00
977.0	0.00	0.00	977.0	0.0	0.0	0.0	0.00	0.00	0.00
978.0	0.00	0.00	978.0	0.0	0.0	0.0	0.00	0.00	0.00
979.0	0.00	0.00	979.0	0.0	0.0	0.0	0.00	0.00	0.00
980.0	0.00	0.00	980.0	0.0	0.0	0.0	0.00	0.00	0.00
981.0	0.00	0.00	981.0	0.0	0.0	0.0	0.00	0.00	0.00
982.0	0.00	0.00	982.0	0.0	0.0	0.0	0.00	0.00	0.00
983.0	0.00	0.00	983.0	0.0	0.0	0.0	0.00	0.00	0.00
984.0	0.00	0.00	984.0	0.0	0.0	0.0	0.00	0.00	0.00
985.0	0.00	0.00	985.0	0.0	0.0	0.0	0.00	0.00	0.00
986.0	0.00	0.00	986.0	0.0	0.0	0.0	0.00	0.00	0.00
987.0	0.00	0.00	987.0	0.0	0.0	0.0	0.00	0.00	0.00
988.0	0.00	0.00	988.0	0.0	0.0	0.0	0.00	0.00	0.00
989.0	0.00	0.00	989.0	0.0	0.0	0.0	0.00	0.00	0.00
990.0	0.00	0.00	990.0	0.0	0.0	0.0	0.00	0.00	0.00
991.0	0.00	0.00	991.0	0.0	0.0	0.0	0.00	0.00	0.00
992.0	0.00	0.00	992.0	0.0	0.0	0.0	0.00	0.00	0.00
993.0	0.00	0.00	993.0	0.0	0.0	0.0	0.00	0.00	0.00
994.0	0.00	0.00	994.0	0.0	0.0	0.0	0.00	0.00	0.00
995.0	0.00	0.00	995.0	0.0	0.0	0.0	0.00	0.00	0.00
996.0	0.00	0.00	996.0	0.0	0.0	0.0	0.00	0.00	0.00
997.0	0.00	0.00	997.0	0.0	0.0	0.0	0.00	0.00	0.00
998.0	0.00	0.00	998.0	0.0	0.0	0.0	0.00	0.00	0.00
999.0	0.00	0.00	999.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,001.0	0.00	0.00	1,001.0	0.0	0.0	0.0	0.00	0.00	0.00
1,002.0	0.00	0.00	1,002.0	0.0	0.0	0.0	0.00	0.00	0.00
1,003.0	0.00	0.00	1,003.0	0.0	0.0	0.0	0.00	0.00	0.00
1,004.0	0.00	0.00	1,004.0	0.0	0.0	0.0	0.00	0.00	0.00
1,005.0	0.00	0.00	1,005.0	0.0	0.0	0.0	0.00	0.00	0.00
1,006.0	0.00	0.00	1,006.0	0.0	0.0	0.0	0.00	0.00	0.00
1,007.0	0.00	0.00	1,007.0	0.0	0.0	0.0	0.00	0.00	0.00
1,008.0	0.00	0.00	1,008.0	0.0	0.0	0.0	0.00	0.00	0.00
1,009.0	0.00	0.00	1,009.0	0.0	0.0	0.0	0.00	0.00	0.00
1,010.0	0.00	0.00	1,010.0	0.0	0.0	0.0	0.00	0.00	0.00
1,011.0	0.00	0.00	1,011.0	0.0	0.0	0.0	0.00	0.00	0.00
1,012.0	0.00	0.00	1,012.0	0.0	0.0	0.0	0.00	0.00	0.00
1,013.0	0.00	0.00	1,013.0	0.0	0.0	0.0	0.00	0.00	0.00
1,014.0	0.00	0.00	1,014.0	0.0	0.0	0.0	0.00	0.00	0.00
1,015.0	0.00	0.00	1,015.0	0.0	0.0	0.0	0.00	0.00	0.00
1,016.0	0.00	0.00	1,016.0	0.0	0.0	0.0	0.00	0.00	0.00
1,017.0	0.00	0.00	1,017.0	0.0	0.0	0.0	0.00	0.00	0.00
1,018.0	0.00	0.00	1,018.0	0.0	0.0	0.0	0.00	0.00	0.00
1,019.0	0.00	0.00	1,019.0	0.0	0.0	0.0	0.00	0.00	0.00
1,020.0	0.00	0.00	1,020.0	0.0	0.0	0.0	0.00	0.00	0.00
1,021.0	0.00	0.00	1,021.0	0.0	0.0	0.0	0.00	0.00	0.00
1,022.0	0.00	0.00	1,022.0	0.0	0.0	0.0	0.00	0.00	0.00
1,023.0	0.00	0.00	1,023.0	0.0	0.0	0.0	0.00	0.00	0.00
1,024.0	0.00	0.00	1,024.0	0.0	0.0	0.0	0.00	0.00	0.00
1,025.0	0.00	0.00	1,025.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,026.0	0.00	0.00	1,026.0	0.0	0.0	0.0	0.00	0.00	0.00
1,027.0	0.00	0.00	1,027.0	0.0	0.0	0.0	0.00	0.00	0.00
1,028.0	0.00	0.00	1,028.0	0.0	0.0	0.0	0.00	0.00	0.00
1,029.0	0.00	0.00	1,029.0	0.0	0.0	0.0	0.00	0.00	0.00
1,030.0	0.00	0.00	1,030.0	0.0	0.0	0.0	0.00	0.00	0.00
1,031.0	0.00	0.00	1,031.0	0.0	0.0	0.0	0.00	0.00	0.00
1,032.0	0.00	0.00	1,032.0	0.0	0.0	0.0	0.00	0.00	0.00
1,033.0	0.00	0.00	1,033.0	0.0	0.0	0.0	0.00	0.00	0.00
1,034.0	0.00	0.00	1,034.0	0.0	0.0	0.0	0.00	0.00	0.00
1,035.0	0.00	0.00	1,035.0	0.0	0.0	0.0	0.00	0.00	0.00
1,036.0	0.00	0.00	1,036.0	0.0	0.0	0.0	0.00	0.00	0.00
1,037.0	0.00	0.00	1,037.0	0.0	0.0	0.0	0.00	0.00	0.00
1,038.0	0.00	0.00	1,038.0	0.0	0.0	0.0	0.00	0.00	0.00
1,039.0	0.00	0.00	1,039.0	0.0	0.0	0.0	0.00	0.00	0.00
1,040.0	0.00	0.00	1,040.0	0.0	0.0	0.0	0.00	0.00	0.00
1,041.0	0.00	0.00	1,041.0	0.0	0.0	0.0	0.00	0.00	0.00
1,042.0	0.00	0.00	1,042.0	0.0	0.0	0.0	0.00	0.00	0.00
1,043.0	0.00	0.00	1,043.0	0.0	0.0	0.0	0.00	0.00	0.00
1,044.0	0.00	0.00	1,044.0	0.0	0.0	0.0	0.00	0.00	0.00
1,045.0	0.00	0.00	1,045.0	0.0	0.0	0.0	0.00	0.00	0.00
1,046.0	0.00	0.00	1,046.0	0.0	0.0	0.0	0.00	0.00	0.00
1,047.0	0.00	0.00	1,047.0	0.0	0.0	0.0	0.00	0.00	0.00
1,048.0	0.00	0.00	1,048.0	0.0	0.0	0.0	0.00	0.00	0.00
1,049.0	0.00	0.00	1,049.0	0.0	0.0	0.0	0.00	0.00	0.00
1,050.0	0.00	0.00	1,050.0	0.0	0.0	0.0	0.00	0.00	0.00
1,051.0	0.00	0.00	1,051.0	0.0	0.0	0.0	0.00	0.00	0.00
1,052.0	0.00	0.00	1,052.0	0.0	0.0	0.0	0.00	0.00	0.00
1,053.0	0.00	0.00	1,053.0	0.0	0.0	0.0	0.00	0.00	0.00
1,054.0	0.00	0.00	1,054.0	0.0	0.0	0.0	0.00	0.00	0.00
1,055.0	0.00	0.00	1,055.0	0.0	0.0	0.0	0.00	0.00	0.00
1,056.0	0.00	0.00	1,056.0	0.0	0.0	0.0	0.00	0.00	0.00
1,057.0	0.00	0.00	1,057.0	0.0	0.0	0.0	0.00	0.00	0.00
1,058.0	0.00	0.00	1,058.0	0.0	0.0	0.0	0.00	0.00	0.00
1,059.0	0.00	0.00	1,059.0	0.0	0.0	0.0	0.00	0.00	0.00
1,060.0	0.00	0.00	1,060.0	0.0	0.0	0.0	0.00	0.00	0.00
1,061.0	0.00	0.00	1,061.0	0.0	0.0	0.0	0.00	0.00	0.00
1,062.0	0.00	0.00	1,062.0	0.0	0.0	0.0	0.00	0.00	0.00
1,063.0	0.00	0.00	1,063.0	0.0	0.0	0.0	0.00	0.00	0.00
1,064.0	0.00	0.00	1,064.0	0.0	0.0	0.0	0.00	0.00	0.00
1,065.0	0.00	0.00	1,065.0	0.0	0.0	0.0	0.00	0.00	0.00
1,066.0	0.00	0.00	1,066.0	0.0	0.0	0.0	0.00	0.00	0.00
1,067.0	0.00	0.00	1,067.0	0.0	0.0	0.0	0.00	0.00	0.00
1,068.0	0.00	0.00	1,068.0	0.0	0.0	0.0	0.00	0.00	0.00
1,069.0	0.00	0.00	1,069.0	0.0	0.0	0.0	0.00	0.00	0.00
1,070.0	0.00	0.00	1,070.0	0.0	0.0	0.0	0.00	0.00	0.00
1,071.0	0.00	0.00	1,071.0	0.0	0.0	0.0	0.00	0.00	0.00
1,072.0	0.00	0.00	1,072.0	0.0	0.0	0.0	0.00	0.00	0.00
1,073.0	0.00	0.00	1,073.0	0.0	0.0	0.0	0.00	0.00	0.00
1,074.0	0.00	0.00	1,074.0	0.0	0.0	0.0	0.00	0.00	0.00
1,075.0	0.00	0.00	1,075.0	0.0	0.0	0.0	0.00	0.00	0.00
1,076.0	0.00	0.00	1,076.0	0.0	0.0	0.0	0.00	0.00	0.00
1,077.0	0.00	0.00	1,077.0	0.0	0.0	0.0	0.00	0.00	0.00
1,078.0	0.00	0.00	1,078.0	0.0	0.0	0.0	0.00	0.00	0.00
1,079.0	0.00	0.00	1,079.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,080.0	0.00	0.00	1,080.0	0.0	0.0	0.0	0.00	0.00	0.00
1,081.0	0.00	0.00	1,081.0	0.0	0.0	0.0	0.00	0.00	0.00
1,082.0	0.00	0.00	1,082.0	0.0	0.0	0.0	0.00	0.00	0.00
1,083.0	0.00	0.00	1,083.0	0.0	0.0	0.0	0.00	0.00	0.00
1,084.0	0.00	0.00	1,084.0	0.0	0.0	0.0	0.00	0.00	0.00
1,085.0	0.00	0.00	1,085.0	0.0	0.0	0.0	0.00	0.00	0.00
1,086.0	0.00	0.00	1,086.0	0.0	0.0	0.0	0.00	0.00	0.00
1,087.0	0.00	0.00	1,087.0	0.0	0.0	0.0	0.00	0.00	0.00
1,088.0	0.00	0.00	1,088.0	0.0	0.0	0.0	0.00	0.00	0.00
1,089.0	0.00	0.00	1,089.0	0.0	0.0	0.0	0.00	0.00	0.00
1,090.0	0.00	0.00	1,090.0	0.0	0.0	0.0	0.00	0.00	0.00
1,091.0	0.00	0.00	1,091.0	0.0	0.0	0.0	0.00	0.00	0.00
1,092.0	0.00	0.00	1,092.0	0.0	0.0	0.0	0.00	0.00	0.00
1,093.0	0.00	0.00	1,093.0	0.0	0.0	0.0	0.00	0.00	0.00
1,094.0	0.00	0.00	1,094.0	0.0	0.0	0.0	0.00	0.00	0.00
1,095.0	0.00	0.00	1,095.0	0.0	0.0	0.0	0.00	0.00	0.00
1,096.0	0.00	0.00	1,096.0	0.0	0.0	0.0	0.00	0.00	0.00
1,097.0	0.00	0.00	1,097.0	0.0	0.0	0.0	0.00	0.00	0.00
1,098.0	0.00	0.00	1,098.0	0.0	0.0	0.0	0.00	0.00	0.00
1,099.0	0.00	0.00	1,099.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,101.0	0.00	0.00	1,101.0	0.0	0.0	0.0	0.00	0.00	0.00
1,102.0	0.00	0.00	1,102.0	0.0	0.0	0.0	0.00	0.00	0.00
1,103.0	0.00	0.00	1,103.0	0.0	0.0	0.0	0.00	0.00	0.00
1,104.0	0.00	0.00	1,104.0	0.0	0.0	0.0	0.00	0.00	0.00
1,105.0	0.00	0.00	1,105.0	0.0	0.0	0.0	0.00	0.00	0.00
1,106.0	0.00	0.00	1,106.0	0.0	0.0	0.0	0.00	0.00	0.00
1,107.0	0.00	0.00	1,107.0	0.0	0.0	0.0	0.00	0.00	0.00
1,108.0	0.00	0.00	1,108.0	0.0	0.0	0.0	0.00	0.00	0.00
1,109.0	0.00	0.00	1,109.0	0.0	0.0	0.0	0.00	0.00	0.00
1,110.0	0.00	0.00	1,110.0	0.0	0.0	0.0	0.00	0.00	0.00
1,111.0	0.00	0.00	1,111.0	0.0	0.0	0.0	0.00	0.00	0.00
1,112.0	0.00	0.00	1,112.0	0.0	0.0	0.0	0.00	0.00	0.00
1,113.0	0.00	0.00	1,113.0	0.0	0.0	0.0	0.00	0.00	0.00
1,114.0	0.00	0.00	1,114.0	0.0	0.0	0.0	0.00	0.00	0.00
1,115.0	0.00	0.00	1,115.0	0.0	0.0	0.0	0.00	0.00	0.00
1,116.0	0.00	0.00	1,116.0	0.0	0.0	0.0	0.00	0.00	0.00
1,117.0	0.00	0.00	1,117.0	0.0	0.0	0.0	0.00	0.00	0.00
1,118.0	0.00	0.00	1,118.0	0.0	0.0	0.0	0.00	0.00	0.00
1,119.0	0.00	0.00	1,119.0	0.0	0.0	0.0	0.00	0.00	0.00
1,120.0	0.00	0.00	1,120.0	0.0	0.0	0.0	0.00	0.00	0.00
1,121.0	0.00	0.00	1,121.0	0.0	0.0	0.0	0.00	0.00	0.00
1,122.0	0.00	0.00	1,122.0	0.0	0.0	0.0	0.00	0.00	0.00
1,123.0	0.00	0.00	1,123.0	0.0	0.0	0.0	0.00	0.00	0.00
1,124.0	0.00	0.00	1,124.0	0.0	0.0	0.0	0.00	0.00	0.00
1,125.0	0.00	0.00	1,125.0	0.0	0.0	0.0	0.00	0.00	0.00
1,126.0	0.00	0.00	1,126.0	0.0	0.0	0.0	0.00	0.00	0.00
1,127.0	0.00	0.00	1,127.0	0.0	0.0	0.0	0.00	0.00	0.00
1,128.0	0.00	0.00	1,128.0	0.0	0.0	0.0	0.00	0.00	0.00
1,129.0	0.00	0.00	1,129.0	0.0	0.0	0.0	0.00	0.00	0.00
1,130.0	0.00	0.00	1,130.0	0.0	0.0	0.0	0.00	0.00	0.00
1,131.0	0.00	0.00	1,131.0	0.0	0.0	0.0	0.00	0.00	0.00
1,132.0	0.00	0.00	1,132.0	0.0	0.0	0.0	0.00	0.00	0.00
1,133.0	0.00	0.00	1,133.0	0.0	0.0	0.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,134.0	0.00	0.00	1,134.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,135.0	0.00	0.00	1,135.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,136.0	0.00	0.00	1,136.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,137.0	0.00	0.00	1,137.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,138.0	0.00	0.00	1,138.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,139.0	0.00	0.00	1,139.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,140.0	0.00	0.00	1,140.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,141.0	0.00	0.00	1,141.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,142.0	0.00	0.00	1,142.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,143.0	0.00	0.00	1,143.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,144.0	0.00	0.00	1,144.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,145.0	0.00	0.00	1,145.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,146.0	0.00	0.00	1,146.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,147.0	0.00	0.00	1,147.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,148.0	0.00	0.00	1,148.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,149.0	0.00	0.00	1,149.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,150.0	0.00	0.00	1,150.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,151.0	0.00	0.00	1,151.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,152.0	0.00	0.00	1,152.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,153.0	0.00	0.00	1,153.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,154.0	0.00	0.00	1,154.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,155.0	0.00	0.00	1,155.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,156.0	0.00	0.00	1,156.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,157.0	0.00	0.00	1,157.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,158.0	0.00	0.00	1,158.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,159.0	0.00	0.00	1,159.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,160.0	0.00	0.00	1,160.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,161.0	0.00	0.00	1,161.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,162.0	0.00	0.00	1,162.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,163.0	0.00	0.00	1,163.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,164.0	0.00	0.00	1,164.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,165.0	0.00	0.00	1,165.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,166.0	0.00	0.00	1,166.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,167.0	0.00	0.00	1,167.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,168.0	0.00	0.00	1,168.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,169.0	0.00	0.00	1,169.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,170.0	0.00	0.00	1,170.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,171.0	0.00	0.00	1,171.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,172.0	0.00	0.00	1,172.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,173.0	0.00	0.00	1,173.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,174.0	0.00	0.00	1,174.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,175.0	0.00	0.00	1,175.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,176.0	0.00	0.00	1,176.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,177.0	0.00	0.00	1,177.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,178.0	0.00	0.00	1,178.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,179.0	0.00	0.00	1,179.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,180.0	0.00	0.00	1,180.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,181.0	0.00	0.00	1,181.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,182.0	0.00	0.00	1,182.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,183.0	0.00	0.00	1,183.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,184.0	0.00	0.00	1,184.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,185.0	0.00	0.00	1,185.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,186.0	0.00	0.00	1,186.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,187.0	0.00	0.00	1,187.0	0.0	0.0	0.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,188.0	0.00	0.00	1,188.0	0.0	0.0	0.0	0.00	0.00	0.00
1,189.0	0.00	0.00	1,189.0	0.0	0.0	0.0	0.00	0.00	0.00
1,190.0	0.00	0.00	1,190.0	0.0	0.0	0.0	0.00	0.00	0.00
1,191.0	0.00	0.00	1,191.0	0.0	0.0	0.0	0.00	0.00	0.00
1,192.0	0.00	0.00	1,192.0	0.0	0.0	0.0	0.00	0.00	0.00
1,193.0	0.00	0.00	1,193.0	0.0	0.0	0.0	0.00	0.00	0.00
1,194.0	0.00	0.00	1,194.0	0.0	0.0	0.0	0.00	0.00	0.00
1,195.0	0.00	0.00	1,195.0	0.0	0.0	0.0	0.00	0.00	0.00
1,196.0	0.00	0.00	1,196.0	0.0	0.0	0.0	0.00	0.00	0.00
1,197.0	0.00	0.00	1,197.0	0.0	0.0	0.0	0.00	0.00	0.00
1,198.0	0.00	0.00	1,198.0	0.0	0.0	0.0	0.00	0.00	0.00
1,199.0	0.00	0.00	1,199.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,201.0	0.02	344.02	1,201.0	0.0	0.0	0.0	2.00	2.00	0.00
1,202.0	0.04	344.02	1,202.0	0.0	0.0	0.0	2.00	2.00	0.00
1,203.0	0.06	344.02	1,203.0	0.0	0.0	0.0	2.00	2.00	0.00
1,204.0	0.08	344.02	1,204.0	0.0	0.0	0.0	2.00	2.00	0.00
1,205.0	0.10	344.02	1,205.0	0.0	0.0	0.0	2.00	2.00	0.00
1,206.0	0.12	344.02	1,206.0	0.0	0.0	0.0	2.00	2.00	0.00
1,207.0	0.14	344.02	1,207.0	0.0	0.0	0.0	2.00	2.00	0.00
1,208.0	0.16	344.02	1,208.0	0.0	0.0	0.0	2.00	2.00	0.00
1,209.0	0.18	344.02	1,209.0	0.0	0.0	0.0	2.00	2.00	0.00
1,210.0	0.20	344.02	1,210.0	0.0	0.0	0.0	2.00	2.00	0.00
1,211.0	0.22	344.02	1,211.0	0.0	0.0	0.0	2.00	2.00	0.00
1,212.0	0.24	344.02	1,212.0	0.0	0.0	0.0	2.00	2.00	0.00
1,213.0	0.26	344.02	1,213.0	0.0	0.0	0.0	2.00	2.00	0.00
1,214.0	0.28	344.02	1,214.0	0.0	0.0	0.0	2.00	2.00	0.00
1,215.0	0.30	344.02	1,215.0	0.0	0.0	0.0	2.00	2.00	0.00
1,216.0	0.32	344.02	1,216.0	0.0	0.0	0.0	2.00	2.00	0.00
1,217.0	0.34	344.02	1,217.0	0.0	0.0	0.0	2.00	2.00	0.00
1,218.0	0.36	344.02	1,218.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,219.0	0.38	344.02	1,219.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,220.0	0.40	344.02	1,220.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,221.0	0.42	344.02	1,221.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,222.0	0.44	344.02	1,222.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,223.0	0.46	344.02	1,223.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,224.0	0.48	344.02	1,224.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,225.0	0.50	344.02	1,225.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,226.0	0.52	344.02	1,226.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,227.0	0.54	344.02	1,227.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,228.0	0.56	344.02	1,228.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,229.0	0.58	344.02	1,229.0	0.1	0.0	-0.1	2.00	2.00	0.00
1,230.0	0.60	344.02	1,230.0	0.2	0.0	-0.2	2.00	2.00	0.00
1,231.0	0.62	344.02	1,231.0	0.2	0.0	-0.2	2.00	2.00	0.00
1,232.0	0.64	344.02	1,232.0	0.2	0.0	-0.2	2.00	2.00	0.00
1,233.0	0.66	344.02	1,233.0	0.2	-0.1	-0.2	2.00	2.00	0.00
1,234.0	0.68	344.02	1,234.0	0.2	-0.1	-0.2	2.00	2.00	0.00
1,235.0	0.70	344.02	1,235.0	0.2	-0.1	-0.2	2.00	2.00	0.00
1,236.0	0.72	344.02	1,236.0	0.2	-0.1	-0.2	2.00	2.00	0.00
1,237.0	0.74	344.02	1,237.0	0.2	-0.1	-0.2	2.00	2.00	0.00
1,238.0	0.76	344.02	1,238.0	0.2	-0.1	-0.2	2.00	2.00	0.00
1,239.0	0.78	344.02	1,239.0	0.3	-0.1	-0.3	2.00	2.00	0.00
1,240.0	0.80	344.02	1,240.0	0.3	-0.1	-0.3	2.00	2.00	0.00
1,241.0	0.82	344.02	1,241.0	0.3	-0.1	-0.3	2.00	2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,242.0	0.84	344.02	1,242.0	0.3	-0.1	-0.3	2.00	2.00	0.00	
1,243.0	0.86	344.02	1,243.0	0.3	-0.1	-0.3	2.00	2.00	0.00	
1,244.0	0.88	344.02	1,244.0	0.3	-0.1	-0.3	2.00	2.00	0.00	
1,245.0	0.90	344.02	1,245.0	0.3	-0.1	-0.3	2.00	2.00	0.00	
1,246.0	0.92	344.02	1,246.0	0.4	-0.1	-0.4	2.00	2.00	0.00	
1,247.0	0.94	344.02	1,247.0	0.4	-0.1	-0.4	2.00	2.00	0.00	
1,248.0	0.96	344.02	1,248.0	0.4	-0.1	-0.4	2.00	2.00	0.00	
1,249.0	0.98	344.02	1,249.0	0.4	-0.1	-0.4	2.00	2.00	0.00	
1,250.0	1.00	344.02	1,250.0	0.4	-0.1	-0.4	2.00	2.00	0.00	
1,251.0	1.02	344.02	1,251.0	0.4	-0.1	-0.4	2.00	2.00	0.00	
1,252.0	1.04	344.02	1,252.0	0.5	-0.1	-0.5	2.00	2.00	0.00	
1,253.0	1.06	344.02	1,253.0	0.5	-0.1	-0.5	2.00	2.00	0.00	
1,254.0	1.08	344.02	1,254.0	0.5	-0.1	-0.5	2.00	2.00	0.00	
1,255.0	1.10	344.02	1,255.0	0.5	-0.1	-0.5	2.00	2.00	0.00	
1,256.0	1.12	344.02	1,256.0	0.5	-0.2	-0.5	2.00	2.00	0.00	
1,257.0	1.14	344.02	1,257.0	0.5	-0.2	-0.5	2.00	2.00	0.00	
1,258.0	1.16	344.02	1,258.0	0.6	-0.2	-0.6	2.00	2.00	0.00	
1,259.0	1.18	344.02	1,259.0	0.6	-0.2	-0.6	2.00	2.00	0.00	
1,260.0	1.20	344.02	1,260.0	0.6	-0.2	-0.6	2.00	2.00	0.00	
1,261.0	1.22	344.02	1,261.0	0.6	-0.2	-0.6	2.00	2.00	0.00	
1,262.0	1.24	344.02	1,262.0	0.6	-0.2	-0.6	2.00	2.00	0.00	
1,263.0	1.26	344.02	1,263.0	0.7	-0.2	-0.7	2.00	2.00	0.00	
1,264.0	1.28	344.02	1,264.0	0.7	-0.2	-0.7	2.00	2.00	0.00	
1,265.0	1.30	344.02	1,265.0	0.7	-0.2	-0.7	2.00	2.00	0.00	
1,266.0	1.32	344.02	1,266.0	0.7	-0.2	-0.7	2.00	2.00	0.00	
1,267.0	1.34	344.02	1,267.0	0.8	-0.2	-0.8	2.00	2.00	0.00	
1,268.0	1.36	344.02	1,268.0	0.8	-0.2	-0.8	2.00	2.00	0.00	
1,269.0	1.38	344.02	1,269.0	0.8	-0.2	-0.8	2.00	2.00	0.00	
1,270.0	1.40	344.02	1,270.0	0.8	-0.2	-0.8	2.00	2.00	0.00	
1,271.0	1.42	344.02	1,271.0	0.8	-0.2	-0.8	2.00	2.00	0.00	
1,272.0	1.44	344.02	1,272.0	0.9	-0.2	-0.9	2.00	2.00	0.00	
1,273.0	1.46	344.02	1,273.0	0.9	-0.3	-0.9	2.00	2.00	0.00	
1,274.0	1.48	344.02	1,274.0	0.9	-0.3	-0.9	2.00	2.00	0.00	
1,275.0	1.50	344.02	1,275.0	0.9	-0.3	-0.9	2.00	2.00	0.00	
1,276.0	1.52	344.02	1,276.0	1.0	-0.3	-1.0	2.00	2.00	0.00	
1,277.0	1.54	344.02	1,277.0	1.0	-0.3	-1.0	2.00	2.00	0.00	
1,278.0	1.56	344.02	1,278.0	1.0	-0.3	-1.0	2.00	2.00	0.00	
1,279.0	1.58	344.02	1,279.0	1.0	-0.3	-1.0	2.00	2.00	0.00	
1,280.0	1.60	344.02	1,280.0	1.1	-0.3	-1.1	2.00	2.00	0.00	
1,281.0	1.62	344.02	1,281.0	1.1	-0.3	-1.1	2.00	2.00	0.00	
1,282.0	1.64	344.02	1,282.0	1.1	-0.3	-1.1	2.00	2.00	0.00	
1,283.0	1.66	344.02	1,283.0	1.2	-0.3	-1.2	2.00	2.00	0.00	
1,284.0	1.68	344.02	1,284.0	1.2	-0.3	-1.2	2.00	2.00	0.00	
1,285.0	1.70	344.02	1,285.0	1.2	-0.3	-1.2	2.00	2.00	0.00	
1,286.0	1.72	344.02	1,286.0	1.2	-0.4	-1.2	2.00	2.00	0.00	
1,287.0	1.74	344.02	1,287.0	1.3	-0.4	-1.3	2.00	2.00	0.00	
1,288.0	1.76	344.02	1,288.0	1.3	-0.4	-1.3	2.00	2.00	0.00	
1,289.0	1.78	344.02	1,289.0	1.3	-0.4	-1.3	2.00	2.00	0.00	
1,290.0	1.80	344.02	1,290.0	1.4	-0.4	-1.4	2.00	2.00	0.00	
1,291.0	1.82	344.02	1,291.0	1.4	-0.4	-1.4	2.00	2.00	0.00	
1,292.0	1.84	344.02	1,292.0	1.4	-0.4	-1.4	2.00	2.00	0.00	
1,293.0	1.86	344.02	1,293.0	1.5	-0.4	-1.4	2.00	2.00	0.00	
1,294.0	1.88	344.02	1,294.0	1.5	-0.4	-1.5	2.00	2.00	0.00	
1,295.0	1.90	344.02	1,295.0	1.5	-0.4	-1.5	2.00	2.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,296.0	1.92	344.02	1,296.0	1.5	-0.4	-1.5	2.00	2.00	0.00
1,297.0	1.94	344.02	1,297.0	1.6	-0.5	-1.6	2.00	2.00	0.00
1,298.0	1.96	344.02	1,298.0	1.6	-0.5	-1.6	2.00	2.00	0.00
1,299.0	1.98	344.02	1,299.0	1.6	-0.5	-1.6	2.00	2.00	0.00
1,300.0	2.00	344.02	1,300.0	1.7	-0.5	-1.7	2.00	2.00	0.00
1,301.0	2.02	344.02	1,301.0	1.7	-0.5	-1.7	2.00	2.00	0.00
1,302.0	2.04	344.02	1,302.0	1.7	-0.5	-1.7	2.00	2.00	0.00
1,303.0	2.06	344.02	1,303.0	1.8	-0.5	-1.8	2.00	2.00	0.00
1,304.0	2.08	344.02	1,304.0	1.8	-0.5	-1.8	2.00	2.00	0.00
1,305.0	2.10	344.02	1,305.0	1.8	-0.5	-1.8	2.00	2.00	0.00
1,306.0	2.12	344.02	1,306.0	1.9	-0.5	-1.9	2.00	2.00	0.00
1,307.0	2.14	344.02	1,307.0	1.9	-0.6	-1.9	2.00	2.00	0.00
1,308.0	2.16	344.02	1,308.0	2.0	-0.6	-1.9	2.00	2.00	0.00
1,309.0	2.18	344.02	1,309.0	2.0	-0.6	-2.0	2.00	2.00	0.00
1,310.0	2.20	344.02	1,310.0	2.0	-0.6	-2.0	2.00	2.00	0.00
1,311.0	2.22	344.02	1,311.0	2.1	-0.6	-2.1	2.00	2.00	0.00
1,312.0	2.24	344.02	1,312.0	2.1	-0.6	-2.1	2.00	2.00	0.00
1,313.0	2.26	344.02	1,313.0	2.1	-0.6	-2.1	2.00	2.00	0.00
1,314.0	2.28	344.02	1,314.0	2.2	-0.6	-2.2	2.00	2.00	0.00
1,315.0	2.30	344.02	1,315.0	2.2	-0.6	-2.2	2.00	2.00	0.00
1,316.0	2.32	344.02	1,316.0	2.3	-0.6	-2.2	2.00	2.00	0.00
1,317.0	2.34	344.02	1,317.0	2.3	-0.7	-2.3	2.00	2.00	0.00
1,318.0	2.36	344.02	1,318.0	2.3	-0.7	-2.3	2.00	2.00	0.00
1,319.0	2.38	344.02	1,319.0	2.4	-0.7	-2.4	2.00	2.00	0.00
1,320.0	2.40	344.02	1,320.0	2.4	-0.7	-2.4	2.00	2.00	0.00
1,321.0	2.42	344.02	1,321.0	2.5	-0.7	-2.4	2.00	2.00	0.00
1,322.0	2.44	344.02	1,322.0	2.5	-0.7	-2.5	2.00	2.00	0.00
1,323.0	2.46	344.02	1,323.0	2.5	-0.7	-2.5	2.00	2.00	0.00
1,324.0	2.48	344.02	1,324.0	2.6	-0.7	-2.6	2.00	2.00	0.00
1,325.0	2.50	344.02	1,325.0	2.6	-0.8	-2.6	2.00	2.00	0.00
1,326.0	2.52	344.02	1,326.0	2.7	-0.8	-2.7	2.00	2.00	0.00
1,327.0	2.54	344.02	1,327.0	2.7	-0.8	-2.7	2.00	2.00	0.00
1,328.0	2.56	344.02	1,328.0	2.7	-0.8	-2.7	2.00	2.00	0.00
1,329.0	2.58	344.02	1,329.0	2.8	-0.8	-2.8	2.00	2.00	0.00
1,330.0	2.60	344.02	1,330.0	2.8	-0.8	-2.8	2.00	2.00	0.00
1,331.0	2.62	344.02	1,331.0	2.9	-0.8	-2.9	2.00	2.00	0.00
1,332.0	2.64	344.02	1,332.0	2.9	-0.8	-2.9	2.00	2.00	0.00
1,333.0	2.66	344.02	1,333.0	3.0	-0.9	-3.0	2.00	2.00	0.00
1,334.0	2.68	344.02	1,334.0	3.0	-0.9	-3.0	2.00	2.00	0.00
1,335.0	2.70	344.02	1,335.0	3.1	-0.9	-3.0	2.00	2.00	0.00
1,336.0	2.72	344.02	1,335.9	3.1	-0.9	-3.1	2.00	2.00	0.00
1,337.0	2.74	344.02	1,336.9	3.1	-0.9	-3.1	2.00	2.00	0.00
1,338.0	2.76	344.02	1,337.9	3.2	-0.9	-3.2	2.00	2.00	0.00
1,339.0	2.78	344.02	1,338.9	3.2	-0.9	-3.2	2.00	2.00	0.00
1,340.0	2.80	344.02	1,339.9	3.3	-0.9	-3.3	2.00	2.00	0.00
1,341.0	2.82	344.02	1,340.9	3.3	-1.0	-3.3	2.00	2.00	0.00
1,342.0	2.84	344.02	1,341.9	3.4	-1.0	-3.4	2.00	2.00	0.00
1,343.0	2.86	344.02	1,342.9	3.4	-1.0	-3.4	2.00	2.00	0.00
1,344.0	2.88	344.02	1,343.9	3.5	-1.0	-3.5	2.00	2.00	0.00
1,345.0	2.90	344.02	1,344.9	3.5	-1.0	-3.5	2.00	2.00	0.00
1,346.0	2.92	344.02	1,345.9	3.6	-1.0	-3.6	2.00	2.00	0.00
1,347.0	2.94	344.02	1,346.9	3.6	-1.0	-3.6	2.00	2.00	0.00
1,348.0	2.96	344.02	1,347.9	3.7	-1.1	-3.7	2.00	2.00	0.00
1,349.0	2.98	344.02	1,348.9	3.7	-1.1	-3.7	2.00	2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,350.0	3.00	344.02	1,349.9	3.8	-1.1	-3.8	2.00	2.00	0.00
1,351.0	3.02	344.02	1,350.9	3.8	-1.1	-3.8	2.00	2.00	0.00
1,352.0	3.04	344.02	1,351.9	3.9	-1.1	-3.9	2.00	2.00	0.00
1,353.0	3.06	344.02	1,352.9	3.9	-1.1	-3.9	2.00	2.00	0.00
1,354.0	3.08	344.02	1,353.9	4.0	-1.1	-4.0	2.00	2.00	0.00
1,355.0	3.10	344.02	1,354.9	4.0	-1.2	-4.0	2.00	2.00	0.00
1,356.0	3.12	344.02	1,355.9	4.1	-1.2	-4.1	2.00	2.00	0.00
1,357.0	3.14	344.02	1,356.9	4.1	-1.2	-4.1	2.00	2.00	0.00
1,358.0	3.16	344.02	1,357.9	4.2	-1.2	-4.2	2.00	2.00	0.00
1,359.0	3.18	344.02	1,358.9	4.2	-1.2	-4.2	2.00	2.00	0.00
1,360.0	3.20	344.02	1,359.9	4.3	-1.2	-4.3	2.00	2.00	0.00
1,361.0	3.22	344.02	1,360.9	4.3	-1.2	-4.3	2.00	2.00	0.00
1,362.0	3.24	344.02	1,361.9	4.4	-1.3	-4.4	2.00	2.00	0.00
1,363.0	3.26	344.02	1,362.9	4.5	-1.3	-4.4	2.00	2.00	0.00
1,364.0	3.28	344.02	1,363.9	4.5	-1.3	-4.5	2.00	2.00	0.00
1,365.0	3.30	344.02	1,364.9	4.6	-1.3	-4.5	2.00	2.00	0.00
1,366.0	3.32	344.02	1,365.9	4.6	-1.3	-4.6	2.00	2.00	0.00
1,367.0	3.34	344.02	1,366.9	4.7	-1.3	-4.7	2.00	2.00	0.00
1,368.0	3.36	344.02	1,367.9	4.7	-1.4	-4.7	2.00	2.00	0.00
1,369.0	3.38	344.02	1,368.9	4.8	-1.4	-4.8	2.00	2.00	0.00
1,370.0	3.40	344.02	1,369.9	4.8	-1.4	-4.8	2.00	2.00	0.00
1,371.0	3.42	344.02	1,370.9	4.9	-1.4	-4.9	2.00	2.00	0.00
1,372.0	3.44	344.02	1,371.9	5.0	-1.4	-4.9	2.00	2.00	0.00
1,373.0	3.46	344.02	1,372.9	5.0	-1.4	-5.0	2.00	2.00	0.00
1,374.0	3.48	344.02	1,373.9	5.1	-1.5	-5.1	2.00	2.00	0.00
1,375.0	3.50	344.02	1,374.9	5.1	-1.5	-5.1	2.00	2.00	0.00
1,376.0	3.52	344.02	1,375.9	5.2	-1.5	-5.2	2.00	2.00	0.00
1,377.0	3.54	344.02	1,376.9	5.3	-1.5	-5.2	2.00	2.00	0.00
1,378.0	3.56	344.02	1,377.9	5.3	-1.5	-5.3	2.00	2.00	0.00
1,379.0	3.58	344.02	1,378.9	5.4	-1.5	-5.4	2.00	2.00	0.00
1,380.0	3.60	344.02	1,379.9	5.4	-1.6	-5.4	2.00	2.00	0.00
1,381.0	3.62	344.02	1,380.9	5.5	-1.6	-5.5	2.00	2.00	0.00
1,382.0	3.64	344.02	1,381.9	5.6	-1.6	-5.5	2.00	2.00	0.00
1,383.0	3.66	344.02	1,382.9	5.6	-1.6	-5.6	2.00	2.00	0.00
1,384.0	3.68	344.02	1,383.9	5.7	-1.6	-5.7	2.00	2.00	0.00
1,385.0	3.70	344.02	1,384.9	5.7	-1.6	-5.7	2.00	2.00	0.00
1,386.0	3.72	344.02	1,385.9	5.8	-1.7	-5.8	2.00	2.00	0.00
1,387.0	3.74	344.02	1,386.9	5.9	-1.7	-5.8	2.00	2.00	0.00
1,388.0	3.76	344.02	1,387.9	5.9	-1.7	-5.9	2.00	2.00	0.00
1,389.0	3.78	344.02	1,388.9	6.0	-1.7	-6.0	2.00	2.00	0.00
1,390.0	3.80	344.02	1,389.9	6.1	-1.7	-6.0	2.00	2.00	0.00
1,391.0	3.82	344.02	1,390.9	6.1	-1.8	-6.1	2.00	2.00	0.00
1,392.0	3.84	344.02	1,391.9	6.2	-1.8	-6.2	2.00	2.00	0.00
1,393.0	3.86	344.02	1,392.9	6.2	-1.8	-6.2	2.00	2.00	0.00
1,394.0	3.88	344.02	1,393.9	6.3	-1.8	-6.3	2.00	2.00	0.00
1,395.0	3.90	344.02	1,394.8	6.4	-1.8	-6.4	2.00	2.00	0.00
1,396.0	3.92	344.02	1,395.8	6.4	-1.8	-6.4	2.00	2.00	0.00
1,397.0	3.94	344.02	1,396.8	6.5	-1.9	-6.5	2.00	2.00	0.00
1,398.0	3.96	344.02	1,397.8	6.6	-1.9	-6.6	2.00	2.00	0.00
1,399.0	3.98	344.02	1,398.8	6.6	-1.9	-6.6	2.00	2.00	0.00
1,400.0	4.00	344.02	1,399.8	6.7	-1.9	-6.7	2.00	2.00	0.00
1,401.0	4.02	344.02	1,400.8	6.8	-1.9	-6.8	2.00	2.00	0.00
1,402.0	4.04	344.02	1,401.8	6.8	-2.0	-6.8	2.00	2.00	0.00
1,403.0	4.06	344.02	1,402.8	6.9	-2.0	-6.9	2.00	2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,404.0	4.08	344.02	1,403.8	7.0	-2.0	-7.0	2.00	2.00	0.00
1,405.0	4.10	344.02	1,404.8	7.0	-2.0	-7.0	2.00	2.00	0.00
1,406.0	4.12	344.02	1,405.8	7.1	-2.0	-7.1	2.00	2.00	0.00
1,407.0	4.14	344.02	1,406.8	7.2	-2.1	-7.2	2.00	2.00	0.00
1,408.0	4.16	344.02	1,407.8	7.3	-2.1	-7.2	2.00	2.00	0.00
1,409.0	4.18	344.02	1,408.8	7.3	-2.1	-7.3	2.00	2.00	0.00
1,410.0	4.20	344.02	1,409.8	7.4	-2.1	-7.4	2.00	2.00	0.00
1,411.0	4.22	344.02	1,410.8	7.5	-2.1	-7.4	2.00	2.00	0.00
1,412.0	4.24	344.02	1,411.8	7.5	-2.2	-7.5	2.00	2.00	0.00
1,413.0	4.26	344.02	1,412.8	7.6	-2.2	-7.6	2.00	2.00	0.00
1,414.0	4.28	344.02	1,413.8	7.7	-2.2	-7.7	2.00	2.00	0.00
1,415.0	4.30	344.02	1,414.8	7.8	-2.2	-7.7	2.00	2.00	0.00
1,416.0	4.32	344.02	1,415.8	7.8	-2.2	-7.8	2.00	2.00	0.00
1,417.0	4.34	344.02	1,416.8	7.9	-2.3	-7.9	2.00	2.00	0.00
1,418.0	4.36	344.02	1,417.8	8.0	-2.3	-7.9	2.00	2.00	0.00
1,419.0	4.38	344.02	1,418.8	8.0	-2.3	-8.0	2.00	2.00	0.00
1,420.0	4.40	344.02	1,419.8	8.1	-2.3	-8.1	2.00	2.00	0.00
1,421.0	4.42	344.02	1,420.8	8.2	-2.3	-8.2	2.00	2.00	0.00
1,422.0	4.44	344.02	1,421.8	8.3	-2.4	-8.2	2.00	2.00	0.00
1,423.0	4.46	344.02	1,422.8	8.3	-2.4	-8.3	2.00	2.00	0.00
1,424.0	4.48	344.02	1,423.8	8.4	-2.4	-8.4	2.00	2.00	0.00
1,425.0	4.50	344.02	1,424.8	8.5	-2.4	-8.5	2.00	2.00	0.00
1,426.0	4.52	344.02	1,425.8	8.6	-2.5	-8.5	2.00	2.00	0.00
1,427.0	4.54	344.02	1,426.8	8.6	-2.5	-8.6	2.00	2.00	0.00
1,428.0	4.56	344.02	1,427.8	8.7	-2.5	-8.7	2.00	2.00	0.00
1,429.0	4.58	344.02	1,428.8	8.8	-2.5	-8.8	2.00	2.00	0.00
1,430.0	4.60	344.02	1,429.8	8.9	-2.5	-8.8	2.00	2.00	0.00
1,431.0	4.62	344.02	1,430.7	8.9	-2.6	-8.9	2.00	2.00	0.00
1,432.0	4.64	344.02	1,431.7	9.0	-2.6	-9.0	2.00	2.00	0.00
1,433.0	4.66	344.02	1,432.7	9.1	-2.6	-9.1	2.00	2.00	0.00
1,434.0	4.68	344.02	1,433.7	9.2	-2.6	-9.1	2.00	2.00	0.00
1,435.0	4.70	344.02	1,434.7	9.3	-2.7	-9.2	2.00	2.00	0.00
1,436.0	4.72	344.02	1,435.7	9.3	-2.7	-9.3	2.00	2.00	0.00
1,437.0	4.74	344.02	1,436.7	9.4	-2.7	-9.4	2.00	2.00	0.00
1,438.0	4.76	344.02	1,437.7	9.5	-2.7	-9.5	2.00	2.00	0.00
1,439.0	4.78	344.02	1,438.7	9.6	-2.7	-9.5	2.00	2.00	0.00
1,440.0	4.80	344.02	1,439.7	9.7	-2.8	-9.6	2.00	2.00	0.00
1,441.0	4.82	344.02	1,440.7	9.7	-2.8	-9.7	2.00	2.00	0.00
1,442.0	4.84	344.02	1,441.7	9.8	-2.8	-9.8	2.00	2.00	0.00
1,443.0	4.86	344.02	1,442.7	9.9	-2.8	-9.9	2.00	2.00	0.00
1,444.0	4.88	344.02	1,443.7	10.0	-2.9	-9.9	2.00	2.00	0.00
1,445.0	4.90	344.02	1,444.7	10.1	-2.9	-10.0	2.00	2.00	0.00
1,446.0	4.92	344.02	1,445.7	10.1	-2.9	-10.1	2.00	2.00	0.00
1,447.0	4.94	344.02	1,446.7	10.2	-2.9	-10.2	2.00	2.00	0.00
1,448.0	4.96	344.02	1,447.7	10.3	-3.0	-10.3	2.00	2.00	0.00
1,449.0	4.98	344.02	1,448.7	10.4	-3.0	-10.4	2.00	2.00	0.00
1,450.0	5.00	344.02	1,449.7	10.5	-3.0	-10.4	2.00	2.00	0.00
1,451.0	5.02	344.02	1,450.7	10.6	-3.0	-10.5	2.00	2.00	0.00
1,452.0	5.04	344.02	1,451.7	10.6	-3.1	-10.6	2.00	2.00	0.00
1,453.0	5.06	344.02	1,452.7	10.7	-3.1	-10.7	2.00	2.00	0.00
1,454.0	5.08	344.02	1,453.7	10.8	-3.1	-10.8	2.00	2.00	0.00
1,455.0	5.10	344.02	1,454.7	10.9	-3.1	-10.9	2.00	2.00	0.00
1,456.0	5.12	344.02	1,455.7	11.0	-3.1	-10.9	2.00	2.00	0.00
1,457.0	5.14	344.02	1,456.7	11.1	-3.2	-11.0	2.00	2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,458.0	5.16	344.02	1,457.7	11.2	-3.2	-11.1	2.00	2.00	0.00
1,459.0	5.18	344.02	1,458.6	11.2	-3.2	-11.2	2.00	2.00	0.00
1,460.0	5.20	344.02	1,459.6	11.3	-3.2	-11.3	2.00	2.00	0.00
1,461.0	5.22	344.02	1,460.6	11.4	-3.3	-11.4	2.00	2.00	0.00
1,462.0	5.24	344.02	1,461.6	11.5	-3.3	-11.5	2.00	2.00	0.00
1,463.0	5.26	344.02	1,462.6	11.6	-3.3	-11.6	2.00	2.00	0.00
1,464.0	5.28	344.02	1,463.6	11.7	-3.3	-11.6	2.00	2.00	0.00
1,465.0	5.30	344.02	1,464.6	11.8	-3.4	-11.7	2.00	2.00	0.00
1,466.0	5.32	344.02	1,465.6	11.9	-3.4	-11.8	2.00	2.00	0.00
1,467.0	5.34	344.02	1,466.6	12.0	-3.4	-11.9	2.00	2.00	0.00
1,468.0	5.36	344.02	1,467.6	12.0	-3.4	-12.0	2.00	2.00	0.00
1,469.0	5.38	344.02	1,468.6	12.1	-3.5	-12.1	2.00	2.00	0.00
1,470.0	5.40	344.02	1,469.6	12.2	-3.5	-12.2	2.00	2.00	0.00
1,471.0	5.42	344.02	1,470.6	12.3	-3.5	-12.3	2.00	2.00	0.00
1,472.0	5.44	344.02	1,471.6	12.4	-3.6	-12.4	2.00	2.00	0.00
1,473.0	5.46	344.02	1,472.6	12.5	-3.6	-12.4	2.00	2.00	0.00
1,474.0	5.48	344.02	1,473.6	12.6	-3.6	-12.5	2.00	2.00	0.00
1,475.0	5.50	344.02	1,474.6	12.7	-3.6	-12.6	2.00	2.00	0.00
1,476.0	5.52	344.02	1,475.6	12.8	-3.7	-12.7	2.00	2.00	0.00
1,477.0	5.54	344.02	1,476.6	12.9	-3.7	-12.8	2.00	2.00	0.00
1,478.0	5.56	344.02	1,477.6	13.0	-3.7	-12.9	2.00	2.00	0.00
1,479.0	5.58	344.02	1,478.6	13.1	-3.7	-13.0	2.00	2.00	0.00
1,480.0	5.60	344.02	1,479.6	13.1	-3.8	-13.1	2.00	2.00	0.00
1,481.0	5.62	344.02	1,480.5	13.2	-3.8	-13.2	2.00	2.00	0.00
1,482.0	5.64	344.02	1,481.5	13.3	-3.8	-13.3	2.00	2.00	0.00
1,483.0	5.66	344.02	1,482.5	13.4	-3.8	-13.4	2.00	2.00	0.00
1,484.0	5.68	344.02	1,483.5	13.5	-3.9	-13.5	2.00	2.00	0.00
1,485.0	5.70	344.02	1,484.5	13.6	-3.9	-13.6	2.00	2.00	0.00
1,486.0	5.72	344.02	1,485.5	13.7	-3.9	-13.7	2.00	2.00	0.00
1,487.0	5.74	344.02	1,486.5	13.8	-4.0	-13.8	2.00	2.00	0.00
1,488.0	5.76	344.02	1,487.5	13.9	-4.0	-13.9	2.00	2.00	0.00
1,489.0	5.78	344.02	1,488.5	14.0	-4.0	-14.0	2.00	2.00	0.00
1,490.0	5.80	344.02	1,489.5	14.1	-4.0	-14.0	2.00	2.00	0.00
1,491.0	5.82	344.02	1,490.5	14.2	-4.1	-14.1	2.00	2.00	0.00
1,492.0	5.84	344.02	1,491.5	14.3	-4.1	-14.2	2.00	2.00	0.00
1,493.0	5.86	344.02	1,492.5	14.4	-4.1	-14.3	2.00	2.00	0.00
1,494.0	5.88	344.02	1,493.5	14.5	-4.2	-14.4	2.00	2.00	0.00
1,495.0	5.90	344.02	1,494.5	14.6	-4.2	-14.5	2.00	2.00	0.00
1,496.0	5.92	344.02	1,495.5	14.7	-4.2	-14.6	2.00	2.00	0.00
1,497.0	5.94	344.02	1,496.5	14.8	-4.2	-14.7	2.00	2.00	0.00
1,498.0	5.96	344.02	1,497.5	14.9	-4.3	-14.8	2.00	2.00	0.00
1,499.0	5.98	344.02	1,498.5	15.0	-4.3	-14.9	2.00	2.00	0.00
1,500.0	6.00	344.02	1,499.5	15.1	-4.3	-15.0	2.00	2.00	0.00
1,501.0	6.02	344.02	1,500.4	15.2	-4.4	-15.1	2.00	2.00	0.00
1,502.0	6.04	344.02	1,501.4	15.3	-4.4	-15.2	2.00	2.00	0.00
1,503.0	6.06	344.02	1,502.4	15.4	-4.4	-15.3	2.00	2.00	0.00
1,504.0	6.08	344.02	1,503.4	15.5	-4.4	-15.4	2.00	2.00	0.00
1,505.0	6.10	344.02	1,504.4	15.6	-4.5	-15.5	2.00	2.00	0.00
1,506.0	6.12	344.02	1,505.4	15.7	-4.5	-15.6	2.00	2.00	0.00
1,507.0	6.14	344.02	1,506.4	15.8	-4.5	-15.7	2.00	2.00	0.00
1,508.0	6.16	344.02	1,507.4	15.9	-4.6	-15.8	2.00	2.00	0.00
1,509.0	6.18	344.02	1,508.4	16.0	-4.6	-15.9	2.00	2.00	0.00
1,510.0	6.20	344.02	1,509.4	16.1	-4.6	-16.0	2.00	2.00	0.00
1,511.0	6.22	344.02	1,510.4	16.2	-4.6	-16.2	2.00	2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,512.0	6.24	344.02	1,511.4	16.3	-4.7	-16.3	2.00	2.00	0.00
1,513.0	6.26	344.02	1,512.4	16.4	-4.7	-16.4	2.00	2.00	0.00
1,514.0	6.28	344.02	1,513.4	16.5	-4.7	-16.5	2.00	2.00	0.00
1,515.0	6.30	344.02	1,514.4	16.6	-4.8	-16.6	2.00	2.00	0.00
1,516.0	6.32	344.02	1,515.4	16.7	-4.8	-16.7	2.00	2.00	0.00
1,517.0	6.34	344.02	1,516.4	16.8	-4.8	-16.8	2.00	2.00	0.00
1,518.0	6.36	344.02	1,517.3	16.9	-4.9	-16.9	2.00	2.00	0.00
1,519.0	6.38	344.02	1,518.3	17.1	-4.9	-17.0	2.00	2.00	0.00
1,520.0	6.40	344.02	1,519.3	17.2	-4.9	-17.1	2.00	2.00	0.00
1,521.0	6.42	344.02	1,520.3	17.3	-4.9	-17.2	2.00	2.00	0.00
1,522.0	6.44	344.02	1,521.3	17.4	-5.0	-17.3	2.00	2.00	0.00
1,523.0	6.46	344.02	1,522.3	17.5	-5.0	-17.4	2.00	2.00	0.00
1,524.0	6.48	344.02	1,523.3	17.6	-5.0	-17.5	2.00	2.00	0.00
1,525.0	6.50	344.02	1,524.3	17.7	-5.1	-17.6	2.00	2.00	0.00
1,526.0	6.52	344.02	1,525.3	17.8	-5.1	-17.7	2.00	2.00	0.00
1,527.0	6.54	344.02	1,526.3	17.9	-5.1	-17.9	2.00	2.00	0.00
1,528.0	6.56	344.02	1,527.3	18.0	-5.2	-18.0	2.00	2.00	0.00
1,529.0	6.58	344.02	1,528.3	18.1	-5.2	-18.1	2.00	2.00	0.00
1,530.0	6.60	344.02	1,529.3	18.3	-5.2	-18.2	2.00	2.00	0.00
1,531.0	6.62	344.02	1,530.3	18.4	-5.3	-18.3	2.00	2.00	0.00
1,532.0	6.64	344.02	1,531.3	18.5	-5.3	-18.4	2.00	2.00	0.00
1,533.0	6.66	344.02	1,532.3	18.6	-5.3	-18.5	2.00	2.00	0.00
1,534.0	6.68	344.02	1,533.2	18.7	-5.4	-18.6	2.00	2.00	0.00
1,535.0	6.70	344.02	1,534.2	18.8	-5.4	-18.7	2.00	2.00	0.00
1,536.0	6.72	344.02	1,535.2	18.9	-5.4	-18.9	2.00	2.00	0.00
1,537.0	6.74	344.02	1,536.2	19.0	-5.5	-19.0	2.00	2.00	0.00
1,538.0	6.76	344.02	1,537.2	19.1	-5.5	-19.1	2.00	2.00	0.00
1,539.0	6.78	344.02	1,538.2	19.3	-5.5	-19.2	2.00	2.00	0.00
1,540.0	6.80	344.02	1,539.2	19.4	-5.5	-19.3	2.00	2.00	0.00
1,541.0	6.82	344.02	1,540.2	19.5	-5.6	-19.4	2.00	2.00	0.00
1,542.0	6.84	344.02	1,541.2	19.6	-5.6	-19.5	2.00	2.00	0.00
1,543.0	6.86	344.02	1,542.2	19.7	-5.6	-19.6	2.00	2.00	0.00
1,544.0	6.88	344.02	1,543.2	19.8	-5.7	-19.8	2.00	2.00	0.00
1,545.0	6.90	344.02	1,544.2	19.9	-5.7	-19.9	2.00	2.00	0.00
1,546.0	6.92	344.02	1,545.2	20.1	-5.7	-20.0	2.00	2.00	0.00
1,547.0	6.94	344.02	1,546.2	20.2	-5.8	-20.1	2.00	2.00	0.00
1,548.0	6.96	344.02	1,547.1	20.3	-5.8	-20.2	2.00	2.00	0.00
1,549.0	6.98	344.02	1,548.1	20.4	-5.8	-20.3	2.00	2.00	0.00
1,550.0	7.00	344.02	1,549.1	20.5	-5.9	-20.5	2.00	2.00	0.00
1,551.0	7.02	344.02	1,550.1	20.6	-5.9	-20.6	2.00	2.00	0.00
1,552.0	7.04	344.02	1,551.1	20.8	-5.9	-20.7	2.00	2.00	0.00
1,553.0	7.06	344.02	1,552.1	20.9	-6.0	-20.8	2.00	2.00	0.00
1,554.0	7.08	344.02	1,553.1	21.0	-6.0	-20.9	2.00	2.00	0.00
1,555.0	7.10	344.02	1,554.1	21.1	-6.0	-21.0	2.00	2.00	0.00
1,555.5	7.11	344.02	1,554.6	21.2	-6.1	-21.1	2.00	2.00	0.00
1,556.0	7.11	344.02	1,555.1	21.2	-6.1	-21.2	0.00	0.00	0.00
1,557.0	7.11	344.02	1,556.1	21.4	-6.1	-21.3	0.00	0.00	0.00
1,558.0	7.11	344.02	1,557.1	21.5	-6.2	-21.4	0.00	0.00	0.00
1,559.0	7.11	344.02	1,558.1	21.6	-6.2	-21.5	0.00	0.00	0.00
1,560.0	7.11	344.02	1,559.1	21.7	-6.2	-21.6	0.00	0.00	0.00
1,561.0	7.11	344.02	1,560.0	21.8	-6.3	-21.8	0.00	0.00	0.00
1,562.0	7.11	344.02	1,561.0	22.0	-6.3	-21.9	0.00	0.00	0.00
1,563.0	7.11	344.02	1,562.0	22.1	-6.3	-22.0	0.00	0.00	0.00
1,564.0	7.11	344.02	1,563.0	22.2	-6.4	-22.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,565.0	7.11	344.02	1,564.0	22.3	-6.4	-22.2	0.00	0.00	0.00
1,566.0	7.11	344.02	1,565.0	22.4	-6.4	-22.3	0.00	0.00	0.00
1,567.0	7.11	344.02	1,566.0	22.5	-6.5	-22.5	0.00	0.00	0.00
1,568.0	7.11	344.02	1,567.0	22.7	-6.5	-22.6	0.00	0.00	0.00
1,569.0	7.11	344.02	1,568.0	22.8	-6.5	-22.7	0.00	0.00	0.00
1,570.0	7.11	344.02	1,569.0	22.9	-6.6	-22.8	0.00	0.00	0.00
1,571.0	7.11	344.02	1,570.0	23.0	-6.6	-22.9	0.00	0.00	0.00
1,572.0	7.11	344.02	1,571.0	23.1	-6.6	-23.1	0.00	0.00	0.00
1,573.0	7.11	344.02	1,572.0	23.3	-6.7	-23.2	0.00	0.00	0.00
1,574.0	7.11	344.02	1,572.9	23.4	-6.7	-23.3	0.00	0.00	0.00
1,575.0	7.11	344.02	1,573.9	23.5	-6.7	-23.4	0.00	0.00	0.00
1,576.0	7.11	344.02	1,574.9	23.6	-6.8	-23.5	0.00	0.00	0.00
1,577.0	7.11	344.02	1,575.9	23.7	-6.8	-23.6	0.00	0.00	0.00
1,578.0	7.11	344.02	1,576.9	23.9	-6.8	-23.8	0.00	0.00	0.00
1,579.0	7.11	344.02	1,577.9	24.0	-6.9	-23.9	0.00	0.00	0.00
1,580.0	7.11	344.02	1,578.9	24.1	-6.9	-24.0	0.00	0.00	0.00
1,581.0	7.11	344.02	1,579.9	24.2	-6.9	-24.1	0.00	0.00	0.00
1,582.0	7.11	344.02	1,580.9	24.3	-7.0	-24.2	0.00	0.00	0.00
1,583.0	7.11	344.02	1,581.9	24.5	-7.0	-24.4	0.00	0.00	0.00
1,584.0	7.11	344.02	1,582.9	24.6	-7.0	-24.5	0.00	0.00	0.00
1,585.0	7.11	344.02	1,583.9	24.7	-7.1	-24.6	0.00	0.00	0.00
1,586.0	7.11	344.02	1,584.9	24.8	-7.1	-24.7	0.00	0.00	0.00
1,587.0	7.11	344.02	1,585.8	24.9	-7.1	-24.8	0.00	0.00	0.00
1,588.0	7.11	344.02	1,586.8	25.0	-7.2	-25.0	0.00	0.00	0.00
1,589.0	7.11	344.02	1,587.8	25.2	-7.2	-25.1	0.00	0.00	0.00
1,590.0	7.11	344.02	1,588.8	25.3	-7.2	-25.2	0.00	0.00	0.00
1,591.0	7.11	344.02	1,589.8	25.4	-7.3	-25.3	0.00	0.00	0.00
1,592.0	7.11	344.02	1,590.8	25.5	-7.3	-25.4	0.00	0.00	0.00
1,593.0	7.11	344.02	1,591.8	25.6	-7.3	-25.5	0.00	0.00	0.00
1,594.0	7.11	344.02	1,592.8	25.8	-7.4	-25.7	0.00	0.00	0.00
1,595.0	7.11	344.02	1,593.8	25.9	-7.4	-25.8	0.00	0.00	0.00
1,596.0	7.11	344.02	1,594.8	26.0	-7.4	-25.9	0.00	0.00	0.00
1,597.0	7.11	344.02	1,595.8	26.1	-7.5	-26.0	0.00	0.00	0.00
1,598.0	7.11	344.02	1,596.8	26.2	-7.5	-26.1	0.00	0.00	0.00
1,599.0	7.11	344.02	1,597.8	26.4	-7.5	-26.3	0.00	0.00	0.00
1,600.0	7.11	344.02	1,598.7	26.5	-7.6	-26.4	0.00	0.00	0.00
1,601.0	7.11	344.02	1,599.7	26.6	-7.6	-26.5	0.00	0.00	0.00
1,602.0	7.11	344.02	1,600.7	26.7	-7.7	-26.6	0.00	0.00	0.00
1,603.0	7.11	344.02	1,601.7	26.8	-7.7	-26.7	0.00	0.00	0.00
1,604.0	7.11	344.02	1,602.7	26.9	-7.7	-26.8	0.00	0.00	0.00
1,605.0	7.11	344.02	1,603.7	27.1	-7.8	-27.0	0.00	0.00	0.00
1,606.0	7.11	344.02	1,604.7	27.2	-7.8	-27.1	0.00	0.00	0.00
1,607.0	7.11	344.02	1,605.7	27.3	-7.8	-27.2	0.00	0.00	0.00
1,608.0	7.11	344.02	1,606.7	27.4	-7.9	-27.3	0.00	0.00	0.00
1,609.0	7.11	344.02	1,607.7	27.5	-7.9	-27.4	0.00	0.00	0.00
1,610.0	7.11	344.02	1,608.7	27.7	-7.9	-27.6	0.00	0.00	0.00
1,611.0	7.11	344.02	1,609.7	27.8	-8.0	-27.7	0.00	0.00	0.00
1,612.0	7.11	344.02	1,610.7	27.9	-8.0	-27.8	0.00	0.00	0.00
1,613.0	7.11	344.02	1,611.6	28.0	-8.0	-27.9	0.00	0.00	0.00
1,614.0	7.11	344.02	1,612.6	28.1	-8.1	-28.0	0.00	0.00	0.00
1,615.0	7.11	344.02	1,613.6	28.3	-8.1	-28.2	0.00	0.00	0.00
1,616.0	7.11	344.02	1,614.6	28.4	-8.1	-28.3	0.00	0.00	0.00
1,617.0	7.11	344.02	1,615.6	28.5	-8.2	-28.4	0.00	0.00	0.00
1,618.0	7.11	344.02	1,616.6	28.6	-8.2	-28.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,619.0	7.11	344.02	1,617.6	28.7	-8.2	-28.6	0.00	0.00	0.00
1,620.0	7.11	344.02	1,618.6	28.9	-8.3	-28.7	0.00	0.00	0.00
1,621.0	7.11	344.02	1,619.6	29.0	-8.3	-28.9	0.00	0.00	0.00
1,622.0	7.11	344.02	1,620.6	29.1	-8.3	-29.0	0.00	0.00	0.00
1,623.0	7.11	344.02	1,621.6	29.2	-8.4	-29.1	0.00	0.00	0.00
1,624.0	7.11	344.02	1,622.6	29.3	-8.4	-29.2	0.00	0.00	0.00
1,625.0	7.11	344.02	1,623.6	29.4	-8.4	-29.3	0.00	0.00	0.00
1,626.0	7.11	344.02	1,624.5	29.6	-8.5	-29.5	0.00	0.00	0.00
1,627.0	7.11	344.02	1,625.5	29.7	-8.5	-29.6	0.00	0.00	0.00
1,628.0	7.11	344.02	1,626.5	29.8	-8.5	-29.7	0.00	0.00	0.00
1,629.0	7.11	344.02	1,627.5	29.9	-8.6	-29.8	0.00	0.00	0.00
1,630.0	7.11	344.02	1,628.5	30.0	-8.6	-29.9	0.00	0.00	0.00
1,631.0	7.11	344.02	1,629.5	30.2	-8.6	-30.1	0.00	0.00	0.00
1,632.0	7.11	344.02	1,630.5	30.3	-8.7	-30.2	0.00	0.00	0.00
1,633.0	7.11	344.02	1,631.5	30.4	-8.7	-30.3	0.00	0.00	0.00
1,634.0	7.11	344.02	1,632.5	30.5	-8.7	-30.4	0.00	0.00	0.00
1,635.0	7.11	344.02	1,633.5	30.6	-8.8	-30.5	0.00	0.00	0.00
1,636.0	7.11	344.02	1,634.5	30.8	-8.8	-30.6	0.00	0.00	0.00
1,637.0	7.11	344.02	1,635.5	30.9	-8.8	-30.8	0.00	0.00	0.00
1,638.0	7.11	344.02	1,636.5	31.0	-8.9	-30.9	0.00	0.00	0.00
1,639.0	7.11	344.02	1,637.4	31.1	-8.9	-31.0	0.00	0.00	0.00
1,640.0	7.11	344.02	1,638.4	31.2	-8.9	-31.1	0.00	0.00	0.00
1,641.0	7.11	344.02	1,639.4	31.4	-9.0	-31.2	0.00	0.00	0.00
1,642.0	7.11	344.02	1,640.4	31.5	-9.0	-31.4	0.00	0.00	0.00
1,643.0	7.11	344.02	1,641.4	31.6	-9.0	-31.5	0.00	0.00	0.00
1,644.0	7.11	344.02	1,642.4	31.7	-9.1	-31.6	0.00	0.00	0.00
1,645.0	7.11	344.02	1,643.4	31.8	-9.1	-31.7	0.00	0.00	0.00
1,646.0	7.11	344.02	1,644.4	31.9	-9.2	-31.8	0.00	0.00	0.00
1,647.0	7.11	344.02	1,645.4	32.1	-9.2	-31.9	0.00	0.00	0.00
1,648.0	7.11	344.02	1,646.4	32.2	-9.2	-32.1	0.00	0.00	0.00
1,649.0	7.11	344.02	1,647.4	32.3	-9.3	-32.2	0.00	0.00	0.00
1,650.0	7.11	344.02	1,648.4	32.4	-9.3	-32.3	0.00	0.00	0.00
1,651.0	7.11	344.02	1,649.4	32.5	-9.3	-32.4	0.00	0.00	0.00
1,652.0	7.11	344.02	1,650.3	32.7	-9.4	-32.5	0.00	0.00	0.00
1,653.0	7.11	344.02	1,651.3	32.8	-9.4	-32.7	0.00	0.00	0.00
1,654.0	7.11	344.02	1,652.3	32.9	-9.4	-32.8	0.00	0.00	0.00
1,655.0	7.11	344.02	1,653.3	33.0	-9.5	-32.9	0.00	0.00	0.00
1,656.0	7.11	344.02	1,654.3	33.1	-9.5	-33.0	0.00	0.00	0.00
1,657.0	7.11	344.02	1,655.3	33.3	-9.5	-33.1	0.00	0.00	0.00
1,658.0	7.11	344.02	1,656.3	33.4	-9.6	-33.3	0.00	0.00	0.00
1,659.0	7.11	344.02	1,657.3	33.5	-9.6	-33.4	0.00	0.00	0.00
1,660.0	7.11	344.02	1,658.3	33.6	-9.6	-33.5	0.00	0.00	0.00
1,661.0	7.11	344.02	1,659.3	33.7	-9.7	-33.6	0.00	0.00	0.00
1,662.0	7.11	344.02	1,660.3	33.9	-9.7	-33.7	0.00	0.00	0.00
1,663.0	7.11	344.02	1,661.3	34.0	-9.7	-33.8	0.00	0.00	0.00
1,664.0	7.11	344.02	1,662.3	34.1	-9.8	-34.0	0.00	0.00	0.00
1,665.0	7.11	344.02	1,663.2	34.2	-9.8	-34.1	0.00	0.00	0.00
1,666.0	7.11	344.02	1,664.2	34.3	-9.8	-34.2	0.00	0.00	0.00
1,667.0	7.11	344.02	1,665.2	34.4	-9.9	-34.3	0.00	0.00	0.00
1,668.0	7.11	344.02	1,666.2	34.6	-9.9	-34.4	0.00	0.00	0.00
1,669.0	7.11	344.02	1,667.2	34.7	-9.9	-34.6	0.00	0.00	0.00
1,670.0	7.11	344.02	1,668.2	34.8	-10.0	-34.7	0.00	0.00	0.00
1,671.0	7.11	344.02	1,669.2	34.9	-10.0	-34.8	0.00	0.00	0.00
1,672.0	7.11	344.02	1,670.2	35.0	-10.0	-34.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,673.0	7.11	344.02	1,671.2	35.2	-10.1	-35.0	0.00	0.00	0.00
1,674.0	7.11	344.02	1,672.2	35.3	-10.1	-35.1	0.00	0.00	0.00
1,675.0	7.11	344.02	1,673.2	35.4	-10.1	-35.3	0.00	0.00	0.00
1,676.0	7.11	344.02	1,674.2	35.5	-10.2	-35.4	0.00	0.00	0.00
1,677.0	7.11	344.02	1,675.2	35.6	-10.2	-35.5	0.00	0.00	0.00
1,678.0	7.11	344.02	1,676.1	35.8	-10.2	-35.6	0.00	0.00	0.00
1,679.0	7.11	344.02	1,677.1	35.9	-10.3	-35.7	0.00	0.00	0.00
1,680.0	7.11	344.02	1,678.1	36.0	-10.3	-35.9	0.00	0.00	0.00
1,681.0	7.11	344.02	1,679.1	36.1	-10.3	-36.0	0.00	0.00	0.00
1,682.0	7.11	344.02	1,680.1	36.2	-10.4	-36.1	0.00	0.00	0.00
1,683.0	7.11	344.02	1,681.1	36.4	-10.4	-36.2	0.00	0.00	0.00
1,684.0	7.11	344.02	1,682.1	36.5	-10.4	-36.3	0.00	0.00	0.00
1,685.0	7.11	344.02	1,683.1	36.6	-10.5	-36.5	0.00	0.00	0.00
1,686.0	7.11	344.02	1,684.1	36.7	-10.5	-36.6	0.00	0.00	0.00
1,687.0	7.11	344.02	1,685.1	36.8	-10.5	-36.7	0.00	0.00	0.00
1,688.0	7.11	344.02	1,686.1	36.9	-10.6	-36.8	0.00	0.00	0.00
1,689.0	7.11	344.02	1,687.1	37.1	-10.6	-36.9	0.00	0.00	0.00
1,690.0	7.11	344.02	1,688.1	37.2	-10.7	-37.0	0.00	0.00	0.00
1,691.0	7.11	344.02	1,689.0	37.3	-10.7	-37.2	0.00	0.00	0.00
1,692.0	7.11	344.02	1,690.0	37.4	-10.7	-37.3	0.00	0.00	0.00
1,693.0	7.11	344.02	1,691.0	37.5	-10.8	-37.4	0.00	0.00	0.00
1,694.0	7.11	344.02	1,692.0	37.7	-10.8	-37.5	0.00	0.00	0.00
1,695.0	7.11	344.02	1,693.0	37.8	-10.8	-37.6	0.00	0.00	0.00
1,696.0	7.11	344.02	1,694.0	37.9	-10.9	-37.8	0.00	0.00	0.00
1,697.0	7.11	344.02	1,695.0	38.0	-10.9	-37.9	0.00	0.00	0.00
1,698.0	7.11	344.02	1,696.0	38.1	-10.9	-38.0	0.00	0.00	0.00
1,699.0	7.11	344.02	1,697.0	38.3	-11.0	-38.1	0.00	0.00	0.00
1,700.0	7.11	344.02	1,698.0	38.4	-11.0	-38.2	0.00	0.00	0.00
1,701.0	7.11	344.02	1,699.0	38.5	-11.0	-38.4	0.00	0.00	0.00
1,702.0	7.11	344.02	1,700.0	38.6	-11.1	-38.5	0.00	0.00	0.00
1,703.0	7.11	344.02	1,701.0	38.7	-11.1	-38.6	0.00	0.00	0.00
1,704.0	7.11	344.02	1,701.9	38.8	-11.1	-38.7	0.00	0.00	0.00
1,705.0	7.11	344.02	1,702.9	39.0	-11.2	-38.8	0.00	0.00	0.00
1,706.0	7.11	344.02	1,703.9	39.1	-11.2	-38.9	0.00	0.00	0.00
1,707.0	7.11	344.02	1,704.9	39.2	-11.2	-39.1	0.00	0.00	0.00
1,708.0	7.11	344.02	1,705.9	39.3	-11.3	-39.2	0.00	0.00	0.00
1,709.0	7.11	344.02	1,706.9	39.4	-11.3	-39.3	0.00	0.00	0.00
1,710.0	7.11	344.02	1,707.9	39.6	-11.3	-39.4	0.00	0.00	0.00
1,711.0	7.11	344.02	1,708.9	39.7	-11.4	-39.5	0.00	0.00	0.00
1,712.0	7.11	344.02	1,709.9	39.8	-11.4	-39.7	0.00	0.00	0.00
1,713.0	7.11	344.02	1,710.9	39.9	-11.4	-39.8	0.00	0.00	0.00
1,714.0	7.11	344.02	1,711.9	40.0	-11.5	-39.9	0.00	0.00	0.00
1,715.0	7.11	344.02	1,712.9	40.2	-11.5	-40.0	0.00	0.00	0.00
1,716.0	7.11	344.02	1,713.9	40.3	-11.5	-40.1	0.00	0.00	0.00
1,717.0	7.11	344.02	1,714.8	40.4	-11.6	-40.2	0.00	0.00	0.00
1,718.0	7.11	344.02	1,715.8	40.5	-11.6	-40.4	0.00	0.00	0.00
1,719.0	7.11	344.02	1,716.8	40.6	-11.6	-40.5	0.00	0.00	0.00
1,720.0	7.11	344.02	1,717.8	40.8	-11.7	-40.6	0.00	0.00	0.00
1,721.0	7.11	344.02	1,718.8	40.9	-11.7	-40.7	0.00	0.00	0.00
1,722.0	7.11	344.02	1,719.8	41.0	-11.7	-40.8	0.00	0.00	0.00
1,723.0	7.11	344.02	1,720.8	41.1	-11.8	-41.0	0.00	0.00	0.00
1,724.0	7.11	344.02	1,721.8	41.2	-11.8	-41.1	0.00	0.00	0.00
1,725.0	7.11	344.02	1,722.8	41.3	-11.8	-41.2	0.00	0.00	0.00
1,726.0	7.11	344.02	1,723.8	41.5	-11.9	-41.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,727.0	7.11	344.02	1,724.8	41.6	-11.9	-41.4	0.00	0.00	0.00
1,728.0	7.11	344.02	1,725.8	41.7	-11.9	-41.6	0.00	0.00	0.00
1,729.0	7.11	344.02	1,726.8	41.8	-12.0	-41.7	0.00	0.00	0.00
1,730.0	7.11	344.02	1,727.7	41.9	-12.0	-41.8	0.00	0.00	0.00
1,731.0	7.11	344.02	1,728.7	42.1	-12.0	-41.9	0.00	0.00	0.00
1,732.0	7.11	344.02	1,729.7	42.2	-12.1	-42.0	0.00	0.00	0.00
1,733.0	7.11	344.02	1,730.7	42.3	-12.1	-42.1	0.00	0.00	0.00
1,734.0	7.11	344.02	1,731.7	42.4	-12.2	-42.3	0.00	0.00	0.00
1,735.0	7.11	344.02	1,732.7	42.5	-12.2	-42.4	0.00	0.00	0.00
1,736.0	7.11	344.02	1,733.7	42.7	-12.2	-42.5	0.00	0.00	0.00
1,737.0	7.11	344.02	1,734.7	42.8	-12.3	-42.6	0.00	0.00	0.00
1,738.0	7.11	344.02	1,735.7	42.9	-12.3	-42.7	0.00	0.00	0.00
1,739.0	7.11	344.02	1,736.7	43.0	-12.3	-42.9	0.00	0.00	0.00
1,740.0	7.11	344.02	1,737.7	43.1	-12.4	-43.0	0.00	0.00	0.00
1,741.0	7.11	344.02	1,738.7	43.3	-12.4	-43.1	0.00	0.00	0.00
1,742.0	7.11	344.02	1,739.7	43.4	-12.4	-43.2	0.00	0.00	0.00
1,743.0	7.11	344.02	1,740.6	43.5	-12.5	-43.3	0.00	0.00	0.00
1,744.0	7.11	344.02	1,741.6	43.6	-12.5	-43.4	0.00	0.00	0.00
1,745.0	7.11	344.02	1,742.6	43.7	-12.5	-43.6	0.00	0.00	0.00
1,746.0	7.11	344.02	1,743.6	43.8	-12.6	-43.7	0.00	0.00	0.00
1,747.0	7.11	344.02	1,744.6	44.0	-12.6	-43.8	0.00	0.00	0.00
1,748.0	7.11	344.02	1,745.6	44.1	-12.6	-43.9	0.00	0.00	0.00
1,749.0	7.11	344.02	1,746.6	44.2	-12.7	-44.0	0.00	0.00	0.00
1,750.0	7.11	344.02	1,747.6	44.3	-12.7	-44.2	0.00	0.00	0.00
1,751.0	7.11	344.02	1,748.6	44.4	-12.7	-44.3	0.00	0.00	0.00
1,752.0	7.11	344.02	1,749.6	44.6	-12.8	-44.4	0.00	0.00	0.00
1,753.0	7.11	344.02	1,750.6	44.7	-12.8	-44.5	0.00	0.00	0.00
1,754.0	7.11	344.02	1,751.6	44.8	-12.8	-44.6	0.00	0.00	0.00
1,755.0	7.11	344.02	1,752.6	44.9	-12.9	-44.8	0.00	0.00	0.00
1,756.0	7.11	344.02	1,753.5	45.0	-12.9	-44.9	0.00	0.00	0.00
1,757.0	7.11	344.02	1,754.5	45.2	-12.9	-45.0	0.00	0.00	0.00
1,758.0	7.11	344.02	1,755.5	45.3	-13.0	-45.1	0.00	0.00	0.00
1,759.0	7.11	344.02	1,756.5	45.4	-13.0	-45.2	0.00	0.00	0.00
1,760.0	7.11	344.02	1,757.5	45.5	-13.0	-45.3	0.00	0.00	0.00
1,761.0	7.11	344.02	1,758.5	45.6	-13.1	-45.5	0.00	0.00	0.00
1,762.0	7.11	344.02	1,759.5	45.8	-13.1	-45.6	0.00	0.00	0.00
1,763.0	7.11	344.02	1,760.5	45.9	-13.1	-45.7	0.00	0.00	0.00
1,764.0	7.11	344.02	1,761.5	46.0	-13.2	-45.8	0.00	0.00	0.00
1,765.0	7.11	344.02	1,762.5	46.1	-13.2	-45.9	0.00	0.00	0.00
1,766.0	7.11	344.02	1,763.5	46.2	-13.2	-46.1	0.00	0.00	0.00
1,767.0	7.11	344.02	1,764.5	46.3	-13.3	-46.2	0.00	0.00	0.00
1,768.0	7.11	344.02	1,765.5	46.5	-13.3	-46.3	0.00	0.00	0.00
1,769.0	7.11	344.02	1,766.4	46.6	-13.3	-46.4	0.00	0.00	0.00
1,770.0	7.11	344.02	1,767.4	46.7	-13.4	-46.5	0.00	0.00	0.00
1,771.0	7.11	344.02	1,768.4	46.8	-13.4	-46.7	0.00	0.00	0.00
1,772.0	7.11	344.02	1,769.4	46.9	-13.4	-46.8	0.00	0.00	0.00
1,773.0	7.11	344.02	1,770.4	47.1	-13.5	-46.9	0.00	0.00	0.00
1,774.0	7.11	344.02	1,771.4	47.2	-13.5	-47.0	0.00	0.00	0.00
1,775.0	7.11	344.02	1,772.4	47.3	-13.5	-47.1	0.00	0.00	0.00
1,776.0	7.11	344.02	1,773.4	47.4	-13.6	-47.2	0.00	0.00	0.00
1,777.0	7.11	344.02	1,774.4	47.5	-13.6	-47.4	0.00	0.00	0.00
1,778.0	7.11	344.02	1,775.4	47.7	-13.7	-47.5	0.00	0.00	0.00
1,779.0	7.11	344.02	1,776.4	47.8	-13.7	-47.6	0.00	0.00	0.00
1,780.0	7.11	344.02	1,777.4	47.9	-13.7	-47.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,781.0	7.11	344.02	1,778.4	48.0	-13.8	-47.8	0.00	0.00	0.00
1,782.0	7.11	344.02	1,779.3	48.1	-13.8	-48.0	0.00	0.00	0.00
1,783.0	7.11	344.02	1,780.3	48.3	-13.8	-48.1	0.00	0.00	0.00
1,784.0	7.11	344.02	1,781.3	48.4	-13.9	-48.2	0.00	0.00	0.00
1,785.0	7.11	344.02	1,782.3	48.5	-13.9	-48.3	0.00	0.00	0.00
1,786.0	7.11	344.02	1,783.3	48.6	-13.9	-48.4	0.00	0.00	0.00
1,787.0	7.11	344.02	1,784.3	48.7	-14.0	-48.5	0.00	0.00	0.00
1,788.0	7.11	344.02	1,785.3	48.8	-14.0	-48.7	0.00	0.00	0.00
1,789.0	7.11	344.02	1,786.3	49.0	-14.0	-48.8	0.00	0.00	0.00
1,790.0	7.11	344.02	1,787.3	49.1	-14.1	-48.9	0.00	0.00	0.00
1,791.0	7.11	344.02	1,788.3	49.2	-14.1	-49.0	0.00	0.00	0.00
1,792.0	7.11	344.02	1,789.3	49.3	-14.1	-49.1	0.00	0.00	0.00
1,793.0	7.11	344.02	1,790.3	49.4	-14.2	-49.3	0.00	0.00	0.00
1,794.0	7.11	344.02	1,791.3	49.6	-14.2	-49.4	0.00	0.00	0.00
1,795.0	7.11	344.02	1,792.2	49.7	-14.2	-49.5	0.00	0.00	0.00
1,796.0	7.11	344.02	1,793.2	49.8	-14.3	-49.6	0.00	0.00	0.00
1,797.0	7.11	344.02	1,794.2	49.9	-14.3	-49.7	0.00	0.00	0.00
1,798.0	7.11	344.02	1,795.2	50.0	-14.3	-49.9	0.00	0.00	0.00
1,799.0	7.11	344.02	1,796.2	50.2	-14.4	-50.0	0.00	0.00	0.00
1,800.0	7.11	344.02	1,797.2	50.3	-14.4	-50.1	0.00	0.00	0.00
1,801.0	7.11	344.02	1,798.2	50.4	-14.4	-50.2	0.00	0.00	0.00
1,802.0	7.11	344.02	1,799.2	50.5	-14.5	-50.3	0.00	0.00	0.00
1,803.0	7.11	344.02	1,800.2	50.6	-14.5	-50.4	0.00	0.00	0.00
1,804.0	7.11	344.02	1,801.2	50.7	-14.5	-50.6	0.00	0.00	0.00
1,805.0	7.11	344.02	1,802.2	50.9	-14.6	-50.7	0.00	0.00	0.00
1,806.0	7.11	344.02	1,803.2	51.0	-14.6	-50.8	0.00	0.00	0.00
1,807.0	7.11	344.02	1,804.2	51.1	-14.6	-50.9	0.00	0.00	0.00
1,808.0	7.11	344.02	1,805.1	51.2	-14.7	-51.0	0.00	0.00	0.00
1,809.0	7.11	344.02	1,806.1	51.3	-14.7	-51.2	0.00	0.00	0.00
1,810.0	7.11	344.02	1,807.1	51.5	-14.7	-51.3	0.00	0.00	0.00
1,811.0	7.11	344.02	1,808.1	51.6	-14.8	-51.4	0.00	0.00	0.00
1,812.0	7.11	344.02	1,809.1	51.7	-14.8	-51.5	0.00	0.00	0.00
1,813.0	7.11	344.02	1,810.1	51.8	-14.8	-51.6	0.00	0.00	0.00
1,814.0	7.11	344.02	1,811.1	51.9	-14.9	-51.7	0.00	0.00	0.00
1,815.0	7.11	344.02	1,812.1	52.1	-14.9	-51.9	0.00	0.00	0.00
1,816.0	7.11	344.02	1,813.1	52.2	-14.9	-52.0	0.00	0.00	0.00
1,817.0	7.11	344.02	1,814.1	52.3	-15.0	-52.1	0.00	0.00	0.00
1,818.0	7.11	344.02	1,815.1	52.4	-15.0	-52.2	0.00	0.00	0.00
1,819.0	7.11	344.02	1,816.1	52.5	-15.0	-52.3	0.00	0.00	0.00
1,820.0	7.11	344.02	1,817.1	52.7	-15.1	-52.5	0.00	0.00	0.00
1,821.0	7.11	344.02	1,818.0	52.8	-15.1	-52.6	0.00	0.00	0.00
1,822.0	7.11	344.02	1,819.0	52.9	-15.2	-52.7	0.00	0.00	0.00
1,823.0	7.11	344.02	1,820.0	53.0	-15.2	-52.8	0.00	0.00	0.00
1,824.0	7.11	344.02	1,821.0	53.1	-15.2	-52.9	0.00	0.00	0.00
1,825.0	7.11	344.02	1,822.0	53.2	-15.3	-53.1	0.00	0.00	0.00
1,826.0	7.11	344.02	1,823.0	53.4	-15.3	-53.2	0.00	0.00	0.00
1,827.0	7.11	344.02	1,824.0	53.5	-15.3	-53.3	0.00	0.00	0.00
1,828.0	7.11	344.02	1,825.0	53.6	-15.4	-53.4	0.00	0.00	0.00
1,829.0	7.11	344.02	1,826.0	53.7	-15.4	-53.5	0.00	0.00	0.00
1,830.0	7.11	344.02	1,827.0	53.8	-15.4	-53.6	0.00	0.00	0.00
1,831.0	7.11	344.02	1,828.0	54.0	-15.5	-53.8	0.00	0.00	0.00
1,832.0	7.11	344.02	1,829.0	54.1	-15.5	-53.9	0.00	0.00	0.00
1,833.0	7.11	344.02	1,830.0	54.2	-15.5	-54.0	0.00	0.00	0.00
1,834.0	7.11	344.02	1,830.9	54.3	-15.6	-54.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,835.0	7.11	344.02	1,831.9	54.4	-15.6	-54.2	0.00	0.00	0.00
1,836.0	7.11	344.02	1,832.9	54.6	-15.6	-54.4	0.00	0.00	0.00
1,837.0	7.11	344.02	1,833.9	54.7	-15.7	-54.5	0.00	0.00	0.00
1,838.0	7.11	344.02	1,834.9	54.8	-15.7	-54.6	0.00	0.00	0.00
1,839.0	7.11	344.02	1,835.9	54.9	-15.7	-54.7	0.00	0.00	0.00
1,840.0	7.11	344.02	1,836.9	55.0	-15.8	-54.8	0.00	0.00	0.00
1,841.0	7.11	344.02	1,837.9	55.2	-15.8	-54.9	0.00	0.00	0.00
1,842.0	7.11	344.02	1,838.9	55.3	-15.8	-55.1	0.00	0.00	0.00
1,843.0	7.11	344.02	1,839.9	55.4	-15.9	-55.2	0.00	0.00	0.00
1,844.0	7.11	344.02	1,840.9	55.5	-15.9	-55.3	0.00	0.00	0.00
1,845.0	7.11	344.02	1,841.9	55.6	-15.9	-55.4	0.00	0.00	0.00
1,846.0	7.11	344.02	1,842.9	55.7	-16.0	-55.5	0.00	0.00	0.00
1,847.0	7.11	344.02	1,843.8	55.9	-16.0	-55.7	0.00	0.00	0.00
1,848.0	7.11	344.02	1,844.8	56.0	-16.0	-55.8	0.00	0.00	0.00
1,849.0	7.11	344.02	1,845.8	56.1	-16.1	-55.9	0.00	0.00	0.00
1,850.0	7.11	344.02	1,846.8	56.2	-16.1	-56.0	0.00	0.00	0.00
1,851.0	7.11	344.02	1,847.8	56.3	-16.1	-56.1	0.00	0.00	0.00
1,852.0	7.11	344.02	1,848.8	56.5	-16.2	-56.3	0.00	0.00	0.00
1,853.0	7.11	344.02	1,849.8	56.6	-16.2	-56.4	0.00	0.00	0.00
1,854.0	7.11	344.02	1,850.8	56.7	-16.2	-56.5	0.00	0.00	0.00
1,855.0	7.11	344.02	1,851.8	56.8	-16.3	-56.6	0.00	0.00	0.00
1,856.0	7.11	344.02	1,852.8	56.9	-16.3	-56.7	0.00	0.00	0.00
1,857.0	7.11	344.02	1,853.8	57.1	-16.3	-56.8	0.00	0.00	0.00
1,858.0	7.11	344.02	1,854.8	57.2	-16.4	-57.0	0.00	0.00	0.00
1,859.0	7.11	344.02	1,855.8	57.3	-16.4	-57.1	0.00	0.00	0.00
1,860.0	7.11	344.02	1,856.7	57.4	-16.4	-57.2	0.00	0.00	0.00
1,861.0	7.11	344.02	1,857.7	57.5	-16.5	-57.3	0.00	0.00	0.00
1,862.0	7.11	344.02	1,858.7	57.7	-16.5	-57.4	0.00	0.00	0.00
1,863.0	7.11	344.02	1,859.7	57.8	-16.5	-57.6	0.00	0.00	0.00
1,864.0	7.11	344.02	1,860.7	57.9	-16.6	-57.7	0.00	0.00	0.00
1,865.0	7.11	344.02	1,861.7	58.0	-16.6	-57.8	0.00	0.00	0.00
1,866.0	7.11	344.02	1,862.7	58.1	-16.7	-57.9	0.00	0.00	0.00
1,867.0	7.11	344.02	1,863.7	58.2	-16.7	-58.0	0.00	0.00	0.00
1,868.0	7.11	344.02	1,864.7	58.4	-16.7	-58.2	0.00	0.00	0.00
1,869.0	7.11	344.02	1,865.7	58.5	-16.8	-58.3	0.00	0.00	0.00
1,870.0	7.11	344.02	1,866.7	58.6	-16.8	-58.4	0.00	0.00	0.00
1,871.0	7.11	344.02	1,867.7	58.7	-16.8	-58.5	0.00	0.00	0.00
1,872.0	7.11	344.02	1,868.7	58.8	-16.9	-58.6	0.00	0.00	0.00
1,873.0	7.11	344.02	1,869.6	59.0	-16.9	-58.7	0.00	0.00	0.00
1,874.0	7.11	344.02	1,870.6	59.1	-16.9	-58.9	0.00	0.00	0.00
1,875.0	7.11	344.02	1,871.6	59.2	-17.0	-59.0	0.00	0.00	0.00
1,876.0	7.11	344.02	1,872.6	59.3	-17.0	-59.1	0.00	0.00	0.00
1,877.0	7.11	344.02	1,873.6	59.4	-17.0	-59.2	0.00	0.00	0.00
1,878.0	7.11	344.02	1,874.6	59.6	-17.1	-59.3	0.00	0.00	0.00
1,879.0	7.11	344.02	1,875.6	59.7	-17.1	-59.5	0.00	0.00	0.00
1,880.0	7.11	344.02	1,876.6	59.8	-17.1	-59.6	0.00	0.00	0.00
1,881.0	7.11	344.02	1,877.6	59.9	-17.2	-59.7	0.00	0.00	0.00
1,882.0	7.11	344.02	1,878.6	60.0	-17.2	-59.8	0.00	0.00	0.00
1,883.0	7.11	344.02	1,879.6	60.2	-17.2	-59.9	0.00	0.00	0.00
1,884.0	7.11	344.02	1,880.6	60.3	-17.3	-60.0	0.00	0.00	0.00
1,885.0	7.11	344.02	1,881.6	60.4	-17.3	-60.2	0.00	0.00	0.00
1,886.0	7.11	344.02	1,882.5	60.5	-17.3	-60.3	0.00	0.00	0.00
1,887.0	7.11	344.02	1,883.5	60.6	-17.4	-60.4	0.00	0.00	0.00
1,888.0	7.11	344.02	1,884.5	60.7	-17.4	-60.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,889.0	7.11	344.02	1,885.5	60.9	-17.4	-60.6	0.00	0.00	0.00
1,890.0	7.11	344.02	1,886.5	61.0	-17.5	-60.8	0.00	0.00	0.00
1,891.0	7.11	344.02	1,887.5	61.1	-17.5	-60.9	0.00	0.00	0.00
1,892.0	7.11	344.02	1,888.5	61.2	-17.5	-61.0	0.00	0.00	0.00
1,893.0	7.11	344.02	1,889.5	61.3	-17.6	-61.1	0.00	0.00	0.00
1,894.0	7.11	344.02	1,890.5	61.5	-17.6	-61.2	0.00	0.00	0.00
1,895.0	7.11	344.02	1,891.5	61.6	-17.6	-61.4	0.00	0.00	0.00
1,896.0	7.11	344.02	1,892.5	61.7	-17.7	-61.5	0.00	0.00	0.00
1,897.0	7.11	344.02	1,893.5	61.8	-17.7	-61.6	0.00	0.00	0.00
1,898.0	7.11	344.02	1,894.5	61.9	-17.7	-61.7	0.00	0.00	0.00
1,899.0	7.11	344.02	1,895.4	62.1	-17.8	-61.8	0.00	0.00	0.00
1,900.0	7.11	344.02	1,896.4	62.2	-17.8	-61.9	0.00	0.00	0.00
1,901.0	7.11	344.02	1,897.4	62.3	-17.8	-62.1	0.00	0.00	0.00
1,902.0	7.11	344.02	1,898.4	62.4	-17.9	-62.2	0.00	0.00	0.00
1,903.0	7.11	344.02	1,899.4	62.5	-17.9	-62.3	0.00	0.00	0.00
1,904.0	7.11	344.02	1,900.4	62.6	-17.9	-62.4	0.00	0.00	0.00
1,905.0	7.11	344.02	1,901.4	62.8	-18.0	-62.5	0.00	0.00	0.00
1,906.0	7.11	344.02	1,902.4	62.9	-18.0	-62.7	0.00	0.00	0.00
1,907.0	7.11	344.02	1,903.4	63.0	-18.0	-62.8	0.00	0.00	0.00
1,908.0	7.11	344.02	1,904.4	63.1	-18.1	-62.9	0.00	0.00	0.00
1,909.0	7.11	344.02	1,905.4	63.2	-18.1	-63.0	0.00	0.00	0.00
1,910.0	7.11	344.02	1,906.4	63.4	-18.2	-63.1	0.00	0.00	0.00
1,911.0	7.11	344.02	1,907.4	63.5	-18.2	-63.2	0.00	0.00	0.00
1,912.0	7.11	344.02	1,908.3	63.6	-18.2	-63.4	0.00	0.00	0.00
1,913.0	7.11	344.02	1,909.3	63.7	-18.3	-63.5	0.00	0.00	0.00
1,914.0	7.11	344.02	1,910.3	63.8	-18.3	-63.6	0.00	0.00	0.00
1,915.0	7.11	344.02	1,911.3	64.0	-18.3	-63.7	0.00	0.00	0.00
1,916.0	7.11	344.02	1,912.3	64.1	-18.4	-63.8	0.00	0.00	0.00
1,917.0	7.11	344.02	1,913.3	64.2	-18.4	-64.0	0.00	0.00	0.00
1,918.0	7.11	344.02	1,914.3	64.3	-18.4	-64.1	0.00	0.00	0.00
1,919.0	7.11	344.02	1,915.3	64.4	-18.5	-64.2	0.00	0.00	0.00
1,920.0	7.11	344.02	1,916.3	64.6	-18.5	-64.3	0.00	0.00	0.00
1,921.0	7.11	344.02	1,917.3	64.7	-18.5	-64.4	0.00	0.00	0.00
1,922.0	7.11	344.02	1,918.3	64.8	-18.6	-64.6	0.00	0.00	0.00
1,923.0	7.11	344.02	1,919.3	64.9	-18.6	-64.7	0.00	0.00	0.00
1,924.0	7.11	344.02	1,920.3	65.0	-18.6	-64.8	0.00	0.00	0.00
1,925.0	7.11	344.02	1,921.2	65.1	-18.7	-64.9	0.00	0.00	0.00
1,926.0	7.11	344.02	1,922.2	65.3	-18.7	-65.0	0.00	0.00	0.00
1,927.0	7.11	344.02	1,923.2	65.4	-18.7	-65.1	0.00	0.00	0.00
1,928.0	7.11	344.02	1,924.2	65.5	-18.8	-65.3	0.00	0.00	0.00
1,929.0	7.11	344.02	1,925.2	65.6	-18.8	-65.4	0.00	0.00	0.00
1,930.0	7.11	344.02	1,926.2	65.7	-18.8	-65.5	0.00	0.00	0.00
1,931.0	7.11	344.02	1,927.2	65.9	-18.9	-65.6	0.00	0.00	0.00
1,932.0	7.11	344.02	1,928.2	66.0	-18.9	-65.7	0.00	0.00	0.00
1,933.0	7.11	344.02	1,929.2	66.1	-18.9	-65.9	0.00	0.00	0.00
1,934.0	7.11	344.02	1,930.2	66.2	-19.0	-66.0	0.00	0.00	0.00
1,935.0	7.11	344.02	1,931.2	66.3	-19.0	-66.1	0.00	0.00	0.00
1,936.0	7.11	344.02	1,932.2	66.5	-19.0	-66.2	0.00	0.00	0.00
1,937.0	7.11	344.02	1,933.2	66.6	-19.1	-66.3	0.00	0.00	0.00
1,938.0	7.11	344.02	1,934.1	66.7	-19.1	-66.5	0.00	0.00	0.00
1,939.0	7.11	344.02	1,935.1	66.8	-19.1	-66.6	0.00	0.00	0.00
1,940.0	7.11	344.02	1,936.1	66.9	-19.2	-66.7	0.00	0.00	0.00
1,941.0	7.11	344.02	1,937.1	67.1	-19.2	-66.8	0.00	0.00	0.00
1,942.0	7.11	344.02	1,938.1	67.2	-19.2	-66.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,943.0	7.11	344.02	1,939.1	67.3	-19.3	-67.0	0.00	0.00	0.00
1,944.0	7.11	344.02	1,940.1	67.4	-19.3	-67.2	0.00	0.00	0.00
1,945.0	7.11	344.02	1,941.1	67.5	-19.3	-67.3	0.00	0.00	0.00
1,946.0	7.11	344.02	1,942.1	67.6	-19.4	-67.4	0.00	0.00	0.00
1,947.0	7.11	344.02	1,943.1	67.8	-19.4	-67.5	0.00	0.00	0.00
1,948.0	7.11	344.02	1,944.1	67.9	-19.4	-67.6	0.00	0.00	0.00
1,949.0	7.11	344.02	1,945.1	68.0	-19.5	-67.8	0.00	0.00	0.00
1,950.0	7.11	344.02	1,946.1	68.1	-19.5	-67.9	0.00	0.00	0.00
1,951.0	7.11	344.02	1,947.0	68.2	-19.5	-68.0	0.00	0.00	0.00
1,952.0	7.11	344.02	1,948.0	68.4	-19.6	-68.1	0.00	0.00	0.00
1,953.0	7.11	344.02	1,949.0	68.5	-19.6	-68.2	0.00	0.00	0.00
1,954.0	7.11	344.02	1,950.0	68.6	-19.7	-68.3	0.00	0.00	0.00
1,955.0	7.11	344.02	1,951.0	68.7	-19.7	-68.5	0.00	0.00	0.00
1,956.0	7.11	344.02	1,952.0	68.8	-19.7	-68.6	0.00	0.00	0.00
1,957.0	7.11	344.02	1,953.0	69.0	-19.8	-68.7	0.00	0.00	0.00
1,958.0	7.11	344.02	1,954.0	69.1	-19.8	-68.8	0.00	0.00	0.00
1,959.0	7.11	344.02	1,955.0	69.2	-19.8	-68.9	0.00	0.00	0.00
1,960.0	7.11	344.02	1,956.0	69.3	-19.9	-69.1	0.00	0.00	0.00
1,961.0	7.11	344.02	1,957.0	69.4	-19.9	-69.2	0.00	0.00	0.00
1,962.0	7.11	344.02	1,958.0	69.6	-19.9	-69.3	0.00	0.00	0.00
1,963.0	7.11	344.02	1,959.0	69.7	-20.0	-69.4	0.00	0.00	0.00
1,964.0	7.11	344.02	1,959.9	69.8	-20.0	-69.5	0.00	0.00	0.00
1,965.0	7.11	344.02	1,960.9	69.9	-20.0	-69.7	0.00	0.00	0.00
1,966.0	7.11	344.02	1,961.9	70.0	-20.1	-69.8	0.00	0.00	0.00
1,967.0	7.11	344.02	1,962.9	70.1	-20.1	-69.9	0.00	0.00	0.00
1,968.0	7.11	344.02	1,963.9	70.3	-20.1	-70.0	0.00	0.00	0.00
1,969.0	7.11	344.02	1,964.9	70.4	-20.2	-70.1	0.00	0.00	0.00
1,970.0	7.11	344.02	1,965.9	70.5	-20.2	-70.2	0.00	0.00	0.00
1,971.0	7.11	344.02	1,966.9	70.6	-20.2	-70.4	0.00	0.00	0.00
1,972.0	7.11	344.02	1,967.9	70.7	-20.3	-70.5	0.00	0.00	0.00
1,973.0	7.11	344.02	1,968.9	70.9	-20.3	-70.6	0.00	0.00	0.00
1,974.0	7.11	344.02	1,969.9	71.0	-20.3	-70.7	0.00	0.00	0.00
1,975.0	7.11	344.02	1,970.9	71.1	-20.4	-70.8	0.00	0.00	0.00
1,976.0	7.11	344.02	1,971.9	71.2	-20.4	-71.0	0.00	0.00	0.00
1,977.0	7.11	344.02	1,972.8	71.3	-20.4	-71.1	0.00	0.00	0.00
1,978.0	7.11	344.02	1,973.8	71.5	-20.5	-71.2	0.00	0.00	0.00
1,979.0	7.11	344.02	1,974.8	71.6	-20.5	-71.3	0.00	0.00	0.00
1,980.0	7.11	344.02	1,975.8	71.7	-20.5	-71.4	0.00	0.00	0.00
1,981.0	7.11	344.02	1,976.8	71.8	-20.6	-71.5	0.00	0.00	0.00
1,982.0	7.11	344.02	1,977.8	71.9	-20.6	-71.7	0.00	0.00	0.00
1,983.0	7.11	344.02	1,978.8	72.1	-20.6	-71.8	0.00	0.00	0.00
1,984.0	7.11	344.02	1,979.8	72.2	-20.7	-71.9	0.00	0.00	0.00
1,985.0	7.11	344.02	1,980.8	72.3	-20.7	-72.0	0.00	0.00	0.00
1,986.0	7.11	344.02	1,981.8	72.4	-20.7	-72.1	0.00	0.00	0.00
1,987.0	7.11	344.02	1,982.8	72.5	-20.8	-72.3	0.00	0.00	0.00
1,988.0	7.11	344.02	1,983.8	72.6	-20.8	-72.4	0.00	0.00	0.00
1,989.0	7.11	344.02	1,984.8	72.8	-20.8	-72.5	0.00	0.00	0.00
1,990.0	7.11	344.02	1,985.7	72.9	-20.9	-72.6	0.00	0.00	0.00
1,991.0	7.11	344.02	1,986.7	73.0	-20.9	-72.7	0.00	0.00	0.00
1,992.0	7.11	344.02	1,987.7	73.1	-20.9	-72.9	0.00	0.00	0.00
1,993.0	7.11	344.02	1,988.7	73.2	-21.0	-73.0	0.00	0.00	0.00
1,994.0	7.11	344.02	1,989.7	73.4	-21.0	-73.1	0.00	0.00	0.00
1,995.0	7.11	344.02	1,990.7	73.5	-21.0	-73.2	0.00	0.00	0.00
1,996.0	7.11	344.02	1,991.7	73.6	-21.1	-73.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,997.0	7.11	344.02	1,992.7	73.7	-21.1	-73.4	0.00	0.00	0.00
1,998.0	7.11	344.02	1,993.7	73.8	-21.2	-73.6	0.00	0.00	0.00
1,999.0	7.11	344.02	1,994.7	74.0	-21.2	-73.7	0.00	0.00	0.00
2,000.0	7.11	344.02	1,995.7	74.1	-21.2	-73.8	0.00	0.00	0.00
2,001.0	7.11	344.02	1,996.7	74.2	-21.3	-73.9	0.00	0.00	0.00
2,002.0	7.11	344.02	1,997.7	74.3	-21.3	-74.0	0.00	0.00	0.00
2,003.0	7.11	344.02	1,998.6	74.4	-21.3	-74.2	0.00	0.00	0.00
2,004.0	7.11	344.02	1,999.6	74.6	-21.4	-74.3	0.00	0.00	0.00
2,005.0	7.11	344.02	2,000.6	74.7	-21.4	-74.4	0.00	0.00	0.00
2,006.0	7.11	344.02	2,001.6	74.8	-21.4	-74.5	0.00	0.00	0.00
2,007.0	7.11	344.02	2,002.6	74.9	-21.5	-74.6	0.00	0.00	0.00
2,008.0	7.11	344.02	2,003.6	75.0	-21.5	-74.8	0.00	0.00	0.00
2,009.0	7.11	344.02	2,004.6	75.1	-21.5	-74.9	0.00	0.00	0.00
2,010.0	7.11	344.02	2,005.6	75.3	-21.6	-75.0	0.00	0.00	0.00
2,011.0	7.11	344.02	2,006.6	75.4	-21.6	-75.1	0.00	0.00	0.00
2,012.0	7.11	344.02	2,007.6	75.5	-21.6	-75.2	0.00	0.00	0.00
2,013.0	7.11	344.02	2,008.6	75.6	-21.7	-75.3	0.00	0.00	0.00
2,014.0	7.11	344.02	2,009.6	75.7	-21.7	-75.5	0.00	0.00	0.00
2,015.0	7.11	344.02	2,010.6	75.9	-21.7	-75.6	0.00	0.00	0.00
2,016.0	7.11	344.02	2,011.5	76.0	-21.8	-75.7	0.00	0.00	0.00
2,017.0	7.11	344.02	2,012.5	76.1	-21.8	-75.8	0.00	0.00	0.00
2,018.0	7.11	344.02	2,013.5	76.2	-21.8	-75.9	0.00	0.00	0.00
2,019.0	7.11	344.02	2,014.5	76.3	-21.9	-76.1	0.00	0.00	0.00
2,020.0	7.11	344.02	2,015.5	76.5	-21.9	-76.2	0.00	0.00	0.00
2,021.0	7.11	344.02	2,016.5	76.6	-21.9	-76.3	0.00	0.00	0.00
2,022.0	7.11	344.02	2,017.5	76.7	-22.0	-76.4	0.00	0.00	0.00
2,023.0	7.11	344.02	2,018.5	76.8	-22.0	-76.5	0.00	0.00	0.00
2,024.0	7.11	344.02	2,019.5	76.9	-22.0	-76.6	0.00	0.00	0.00
2,025.0	7.11	344.02	2,020.5	77.0	-22.1	-76.8	0.00	0.00	0.00
2,026.0	7.11	344.02	2,021.5	77.2	-22.1	-76.9	0.00	0.00	0.00
2,027.0	7.11	344.02	2,022.5	77.3	-22.1	-77.0	0.00	0.00	0.00
2,028.0	7.11	344.02	2,023.5	77.4	-22.2	-77.1	0.00	0.00	0.00
2,029.0	7.11	344.02	2,024.4	77.5	-22.2	-77.2	0.00	0.00	0.00
2,030.0	7.11	344.02	2,025.4	77.6	-22.2	-77.4	0.00	0.00	0.00
2,031.0	7.11	344.02	2,026.4	77.8	-22.3	-77.5	0.00	0.00	0.00
2,032.0	7.11	344.02	2,027.4	77.9	-22.3	-77.6	0.00	0.00	0.00
2,033.0	7.11	344.02	2,028.4	78.0	-22.3	-77.7	0.00	0.00	0.00
2,034.0	7.11	344.02	2,029.4	78.1	-22.4	-77.8	0.00	0.00	0.00
2,035.0	7.11	344.02	2,030.4	78.2	-22.4	-78.0	0.00	0.00	0.00
2,036.0	7.11	344.02	2,031.4	78.4	-22.4	-78.1	0.00	0.00	0.00
2,037.0	7.11	344.02	2,032.4	78.5	-22.5	-78.2	0.00	0.00	0.00
2,038.0	7.11	344.02	2,033.4	78.6	-22.5	-78.3	0.00	0.00	0.00
2,039.0	7.11	344.02	2,034.4	78.7	-22.5	-78.4	0.00	0.00	0.00
2,040.0	7.11	344.02	2,035.4	78.8	-22.6	-78.5	0.00	0.00	0.00
2,041.0	7.11	344.02	2,036.4	79.0	-22.6	-78.7	0.00	0.00	0.00
2,042.0	7.11	344.02	2,037.3	79.1	-22.7	-78.8	0.00	0.00	0.00
2,043.0	7.11	344.02	2,038.3	79.2	-22.7	-78.9	0.00	0.00	0.00
2,044.0	7.11	344.02	2,039.3	79.3	-22.7	-79.0	0.00	0.00	0.00
2,045.0	7.11	344.02	2,040.3	79.4	-22.8	-79.1	0.00	0.00	0.00
2,046.0	7.11	344.02	2,041.3	79.5	-22.8	-79.3	0.00	0.00	0.00
2,047.0	7.11	344.02	2,042.3	79.7	-22.8	-79.4	0.00	0.00	0.00
2,048.0	7.11	344.02	2,043.3	79.8	-22.9	-79.5	0.00	0.00	0.00
2,049.0	7.11	344.02	2,044.3	79.9	-22.9	-79.6	0.00	0.00	0.00
2,050.0	7.11	344.02	2,045.3	80.0	-22.9	-79.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
2,051.0	7.11	344.02	2,046.3	80.1	-23.0	-79.8	0.00	0.00	0.00	
2,052.0	7.11	344.02	2,047.3	80.3	-23.0	-80.0	0.00	0.00	0.00	
2,053.0	7.11	344.02	2,048.3	80.4	-23.0	-80.1	0.00	0.00	0.00	
2,054.0	7.11	344.02	2,049.3	80.5	-23.1	-80.2	0.00	0.00	0.00	
2,055.0	7.11	344.02	2,050.2	80.6	-23.1	-80.3	0.00	0.00	0.00	
2,056.0	7.11	344.02	2,051.2	80.7	-23.1	-80.4	0.00	0.00	0.00	
2,057.0	7.11	344.02	2,052.2	80.9	-23.2	-80.6	0.00	0.00	0.00	
2,058.0	7.11	344.02	2,053.2	81.0	-23.2	-80.7	0.00	0.00	0.00	
2,059.0	7.11	344.02	2,054.2	81.1	-23.2	-80.8	0.00	0.00	0.00	
2,060.0	7.11	344.02	2,055.2	81.2	-23.3	-80.9	0.00	0.00	0.00	
2,061.0	7.11	344.02	2,056.2	81.3	-23.3	-81.0	0.00	0.00	0.00	
2,062.0	7.11	344.02	2,057.2	81.5	-23.3	-81.2	0.00	0.00	0.00	
2,063.0	7.11	344.02	2,058.2	81.6	-23.4	-81.3	0.00	0.00	0.00	
2,064.0	7.11	344.02	2,059.2	81.7	-23.4	-81.4	0.00	0.00	0.00	
2,065.0	7.11	344.02	2,060.2	81.8	-23.4	-81.5	0.00	0.00	0.00	
2,066.0	7.11	344.02	2,061.2	81.9	-23.5	-81.6	0.00	0.00	0.00	
2,067.0	7.11	344.02	2,062.2	82.0	-23.5	-81.7	0.00	0.00	0.00	
2,068.0	7.11	344.02	2,063.1	82.2	-23.5	-81.9	0.00	0.00	0.00	
2,069.0	7.11	344.02	2,064.1	82.3	-23.6	-82.0	0.00	0.00	0.00	
2,070.0	7.11	344.02	2,065.1	82.4	-23.6	-82.1	0.00	0.00	0.00	
2,071.0	7.11	344.02	2,066.1	82.5	-23.6	-82.2	0.00	0.00	0.00	
2,072.0	7.11	344.02	2,067.1	82.6	-23.7	-82.3	0.00	0.00	0.00	
2,073.0	7.11	344.02	2,068.1	82.8	-23.7	-82.5	0.00	0.00	0.00	
2,074.0	7.11	344.02	2,069.1	82.9	-23.7	-82.6	0.00	0.00	0.00	
2,075.0	7.11	344.02	2,070.1	83.0	-23.8	-82.7	0.00	0.00	0.00	
2,076.0	7.11	344.02	2,071.1	83.1	-23.8	-82.8	0.00	0.00	0.00	
2,077.0	7.11	344.02	2,072.1	83.2	-23.8	-82.9	0.00	0.00	0.00	
2,078.0	7.11	344.02	2,073.1	83.4	-23.9	-83.0	0.00	0.00	0.00	
2,079.0	7.11	344.02	2,074.1	83.5	-23.9	-83.2	0.00	0.00	0.00	
2,080.0	7.11	344.02	2,075.1	83.6	-23.9	-83.3	0.00	0.00	0.00	
2,081.0	7.11	344.02	2,076.0	83.7	-24.0	-83.4	0.00	0.00	0.00	
2,082.0	7.11	344.02	2,077.0	83.8	-24.0	-83.5	0.00	0.00	0.00	
2,083.0	7.11	344.02	2,078.0	84.0	-24.0	-83.6	0.00	0.00	0.00	
2,084.0	7.11	344.02	2,079.0	84.1	-24.1	-83.8	0.00	0.00	0.00	
2,085.0	7.11	344.02	2,080.0	84.2	-24.1	-83.9	0.00	0.00	0.00	
2,086.0	7.11	344.02	2,081.0	84.3	-24.2	-84.0	0.00	0.00	0.00	
2,087.0	7.11	344.02	2,082.0	84.4	-24.2	-84.1	0.00	0.00	0.00	
2,088.0	7.11	344.02	2,083.0	84.5	-24.2	-84.2	0.00	0.00	0.00	
2,089.0	7.11	344.02	2,084.0	84.7	-24.3	-84.4	0.00	0.00	0.00	
2,090.0	7.11	344.02	2,085.0	84.8	-24.3	-84.5	0.00	0.00	0.00	
2,091.0	7.11	344.02	2,086.0	84.9	-24.3	-84.6	0.00	0.00	0.00	
2,092.0	7.11	344.02	2,087.0	85.0	-24.4	-84.7	0.00	0.00	0.00	
2,093.0	7.11	344.02	2,088.0	85.1	-24.4	-84.8	0.00	0.00	0.00	
2,094.0	7.11	344.02	2,088.9	85.3	-24.4	-84.9	0.00	0.00	0.00	
2,095.0	7.11	344.02	2,089.9	85.4	-24.5	-85.1	0.00	0.00	0.00	
2,096.0	7.11	344.02	2,090.9	85.5	-24.5	-85.2	0.00	0.00	0.00	
2,097.0	7.11	344.02	2,091.9	85.6	-24.5	-85.3	0.00	0.00	0.00	
2,098.0	7.11	344.02	2,092.9	85.7	-24.6	-85.4	0.00	0.00	0.00	
2,099.0	7.11	344.02	2,093.9	85.9	-24.6	-85.5	0.00	0.00	0.00	
2,100.0	7.11	344.02	2,094.9	86.0	-24.6	-85.7	0.00	0.00	0.00	
2,101.0	7.11	344.02	2,095.9	86.1	-24.7	-85.8	0.00	0.00	0.00	
2,102.0	7.11	344.02	2,096.9	86.2	-24.7	-85.9	0.00	0.00	0.00	
2,103.0	7.11	344.02	2,097.9	86.3	-24.7	-86.0	0.00	0.00	0.00	
2,104.0	7.11	344.02	2,098.9	86.5	-24.8	-86.1	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,105.0	7.11	344.02	2,099.9	86.6	-24.8	-86.3	0.00	0.00	0.00
2,106.0	7.11	344.02	2,100.9	86.7	-24.8	-86.4	0.00	0.00	0.00
2,107.0	7.11	344.02	2,101.8	86.8	-24.9	-86.5	0.00	0.00	0.00
2,108.0	7.11	344.02	2,102.8	86.9	-24.9	-86.6	0.00	0.00	0.00
2,109.0	7.11	344.02	2,103.8	87.0	-24.9	-86.7	0.00	0.00	0.00
2,110.0	7.11	344.02	2,104.8	87.2	-25.0	-86.8	0.00	0.00	0.00
2,111.0	7.11	344.02	2,105.8	87.3	-25.0	-87.0	0.00	0.00	0.00
2,112.0	7.11	344.02	2,106.8	87.4	-25.0	-87.1	0.00	0.00	0.00
2,113.0	7.11	344.02	2,107.8	87.5	-25.1	-87.2	0.00	0.00	0.00
2,114.0	7.11	344.02	2,108.8	87.6	-25.1	-87.3	0.00	0.00	0.00
2,115.0	7.11	344.02	2,109.8	87.8	-25.1	-87.4	0.00	0.00	0.00
2,116.0	7.11	344.02	2,110.8	87.9	-25.2	-87.6	0.00	0.00	0.00
2,117.0	7.11	344.02	2,111.8	88.0	-25.2	-87.7	0.00	0.00	0.00
2,118.0	7.11	344.02	2,112.8	88.1	-25.2	-87.8	0.00	0.00	0.00
2,119.0	7.11	344.02	2,113.8	88.2	-25.3	-87.9	0.00	0.00	0.00
2,120.0	7.11	344.02	2,114.7	88.4	-25.3	-88.0	0.00	0.00	0.00
2,121.0	7.11	344.02	2,115.7	88.5	-25.3	-88.1	0.00	0.00	0.00
2,122.0	7.11	344.02	2,116.7	88.6	-25.4	-88.3	0.00	0.00	0.00
2,123.0	7.11	344.02	2,117.7	88.7	-25.4	-88.4	0.00	0.00	0.00
2,124.0	7.11	344.02	2,118.7	88.8	-25.4	-88.5	0.00	0.00	0.00
2,125.0	7.11	344.02	2,119.7	88.9	-25.5	-88.6	0.00	0.00	0.00
2,126.0	7.11	344.02	2,120.7	89.1	-25.5	-88.7	0.00	0.00	0.00
2,127.0	7.11	344.02	2,121.7	89.2	-25.5	-88.9	0.00	0.00	0.00
2,128.0	7.11	344.02	2,122.7	89.3	-25.6	-89.0	0.00	0.00	0.00
2,129.0	7.11	344.02	2,123.7	89.4	-25.6	-89.1	0.00	0.00	0.00
2,130.0	7.11	344.02	2,124.7	89.5	-25.7	-89.2	0.00	0.00	0.00
2,131.0	7.11	344.02	2,125.7	89.7	-25.7	-89.3	0.00	0.00	0.00
2,132.0	7.11	344.02	2,126.7	89.8	-25.7	-89.5	0.00	0.00	0.00
2,133.0	7.11	344.02	2,127.6	89.9	-25.8	-89.6	0.00	0.00	0.00
2,134.0	7.11	344.02	2,128.6	90.0	-25.8	-89.7	0.00	0.00	0.00
2,135.0	7.11	344.02	2,129.6	90.1	-25.8	-89.8	0.00	0.00	0.00
2,136.0	7.11	344.02	2,130.6	90.3	-25.9	-89.9	0.00	0.00	0.00
2,137.0	7.11	344.02	2,131.6	90.4	-25.9	-90.0	0.00	0.00	0.00
2,138.0	7.11	344.02	2,132.6	90.5	-25.9	-90.2	0.00	0.00	0.00
2,139.0	7.11	344.02	2,133.6	90.6	-26.0	-90.3	0.00	0.00	0.00
2,140.0	7.11	344.02	2,134.6	90.7	-26.0	-90.4	0.00	0.00	0.00
2,141.0	7.11	344.02	2,135.6	90.9	-26.0	-90.5	0.00	0.00	0.00
2,142.0	7.11	344.02	2,136.6	91.0	-26.1	-90.6	0.00	0.00	0.00
2,143.0	7.11	344.02	2,137.6	91.1	-26.1	-90.8	0.00	0.00	0.00
2,144.0	7.11	344.02	2,138.6	91.2	-26.1	-90.9	0.00	0.00	0.00
2,145.0	7.11	344.02	2,139.6	91.3	-26.2	-91.0	0.00	0.00	0.00
2,146.0	7.11	344.02	2,140.5	91.4	-26.2	-91.1	0.00	0.00	0.00
2,147.0	7.11	344.02	2,141.5	91.6	-26.2	-91.2	0.00	0.00	0.00
2,148.0	7.11	344.02	2,142.5	91.7	-26.3	-91.3	0.00	0.00	0.00
2,149.0	7.11	344.02	2,143.5	91.8	-26.3	-91.5	0.00	0.00	0.00
2,150.0	7.11	344.02	2,144.5	91.9	-26.3	-91.6	0.00	0.00	0.00
2,151.0	7.11	344.02	2,145.5	92.0	-26.4	-91.7	0.00	0.00	0.00
2,152.0	7.11	344.02	2,146.5	92.2	-26.4	-91.8	0.00	0.00	0.00
2,153.0	7.11	344.02	2,147.5	92.3	-26.4	-91.9	0.00	0.00	0.00
2,154.0	7.11	344.02	2,148.5	92.4	-26.5	-92.1	0.00	0.00	0.00
2,155.0	7.11	344.02	2,149.5	92.5	-26.5	-92.2	0.00	0.00	0.00
2,156.0	7.11	344.02	2,150.5	92.6	-26.5	-92.3	0.00	0.00	0.00
2,157.0	7.11	344.02	2,151.5	92.8	-26.6	-92.4	0.00	0.00	0.00
2,158.0	7.11	344.02	2,152.5	92.9	-26.6	-92.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,159.0	7.11	344.02	2,153.4	93.0	-26.6	-92.7	0.00	0.00	0.00
2,160.0	7.11	344.02	2,154.4	93.1	-26.7	-92.8	0.00	0.00	0.00
2,161.0	7.11	344.02	2,155.4	93.2	-26.7	-92.9	0.00	0.00	0.00
2,162.0	7.11	344.02	2,156.4	93.4	-26.7	-93.0	0.00	0.00	0.00
2,163.0	7.11	344.02	2,157.4	93.5	-26.8	-93.1	0.00	0.00	0.00
2,164.0	7.11	344.02	2,158.4	93.6	-26.8	-93.2	0.00	0.00	0.00
2,165.0	7.11	344.02	2,159.4	93.7	-26.8	-93.4	0.00	0.00	0.00
2,166.0	7.11	344.02	2,160.4	93.8	-26.9	-93.5	0.00	0.00	0.00
2,167.0	7.11	344.02	2,161.4	93.9	-26.9	-93.6	0.00	0.00	0.00
2,168.0	7.11	344.02	2,162.4	94.1	-26.9	-93.7	0.00	0.00	0.00
2,169.0	7.11	344.02	2,163.4	94.2	-27.0	-93.8	0.00	0.00	0.00
2,170.0	7.11	344.02	2,164.4	94.3	-27.0	-94.0	0.00	0.00	0.00
2,171.0	7.11	344.02	2,165.4	94.4	-27.0	-94.1	0.00	0.00	0.00
2,172.0	7.11	344.02	2,166.3	94.5	-27.1	-94.2	0.00	0.00	0.00
2,173.0	7.11	344.02	2,167.3	94.7	-27.1	-94.3	0.00	0.00	0.00
2,174.0	7.11	344.02	2,168.3	94.8	-27.2	-94.4	0.00	0.00	0.00
2,175.0	7.11	344.02	2,169.3	94.9	-27.2	-94.6	0.00	0.00	0.00
2,176.0	7.11	344.02	2,170.3	95.0	-27.2	-94.7	0.00	0.00	0.00
2,177.0	7.11	344.02	2,171.3	95.1	-27.3	-94.8	0.00	0.00	0.00
2,178.0	7.11	344.02	2,172.3	95.3	-27.3	-94.9	0.00	0.00	0.00
2,179.0	7.11	344.02	2,173.3	95.4	-27.3	-95.0	0.00	0.00	0.00
2,180.0	7.11	344.02	2,174.3	95.5	-27.4	-95.1	0.00	0.00	0.00
2,181.0	7.11	344.02	2,175.3	95.6	-27.4	-95.3	0.00	0.00	0.00
2,182.0	7.11	344.02	2,176.3	95.7	-27.4	-95.4	0.00	0.00	0.00
2,183.0	7.11	344.02	2,177.3	95.9	-27.5	-95.5	0.00	0.00	0.00
2,184.0	7.11	344.02	2,178.3	96.0	-27.5	-95.6	0.00	0.00	0.00
2,185.0	7.11	344.02	2,179.2	96.1	-27.5	-95.7	0.00	0.00	0.00
2,186.0	7.11	344.02	2,180.2	96.2	-27.6	-95.9	0.00	0.00	0.00
2,187.0	7.11	344.02	2,181.2	96.3	-27.6	-96.0	0.00	0.00	0.00
2,188.0	7.11	344.02	2,182.2	96.4	-27.6	-96.1	0.00	0.00	0.00
2,189.0	7.11	344.02	2,183.2	96.6	-27.7	-96.2	0.00	0.00	0.00
2,190.0	7.11	344.02	2,184.2	96.7	-27.7	-96.3	0.00	0.00	0.00
2,191.0	7.11	344.02	2,185.2	96.8	-27.7	-96.4	0.00	0.00	0.00
2,192.0	7.11	344.02	2,186.2	96.9	-27.8	-96.6	0.00	0.00	0.00
2,193.0	7.11	344.02	2,187.2	97.0	-27.8	-96.7	0.00	0.00	0.00
2,194.0	7.11	344.02	2,188.2	97.2	-27.8	-96.8	0.00	0.00	0.00
2,195.0	7.11	344.02	2,189.2	97.3	-27.9	-96.9	0.00	0.00	0.00
2,196.0	7.11	344.02	2,190.2	97.4	-27.9	-97.0	0.00	0.00	0.00
2,197.0	7.11	344.02	2,191.2	97.5	-27.9	-97.2	0.00	0.00	0.00
2,198.0	7.11	344.02	2,192.1	97.6	-28.0	-97.3	0.00	0.00	0.00
2,199.0	7.11	344.02	2,193.1	97.8	-28.0	-97.4	0.00	0.00	0.00
2,200.0	7.11	344.02	2,194.1	97.9	-28.0	-97.5	0.00	0.00	0.00
2,201.0	7.11	344.02	2,195.1	98.0	-28.1	-97.6	0.00	0.00	0.00
2,202.0	7.11	344.02	2,196.1	98.1	-28.1	-97.8	0.00	0.00	0.00
2,203.0	7.11	344.02	2,197.1	98.2	-28.1	-97.9	0.00	0.00	0.00
2,204.0	7.11	344.02	2,198.1	98.4	-28.2	-98.0	0.00	0.00	0.00
2,205.0	7.11	344.02	2,199.1	98.5	-28.2	-98.1	0.00	0.00	0.00
2,206.0	7.11	344.02	2,200.1	98.6	-28.2	-98.2	0.00	0.00	0.00
2,207.0	7.11	344.02	2,201.1	98.7	-28.3	-98.3	0.00	0.00	0.00
2,208.0	7.11	344.02	2,202.1	98.8	-28.3	-98.5	0.00	0.00	0.00
2,209.0	7.11	344.02	2,203.1	98.9	-28.3	-98.6	0.00	0.00	0.00
2,210.0	7.11	344.02	2,204.1	99.1	-28.4	-98.7	0.00	0.00	0.00
2,211.0	7.11	344.02	2,205.0	99.2	-28.4	-98.8	0.00	0.00	0.00
2,212.0	7.11	344.02	2,206.0	99.3	-28.4	-98.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,213.0	7.11	344.02	2,207.0	99.4	-28.5	-99.1	0.00	0.00	0.00
2,214.0	7.11	344.02	2,208.0	99.5	-28.5	-99.2	0.00	0.00	0.00
2,215.0	7.11	344.02	2,209.0	99.7	-28.5	-99.3	0.00	0.00	0.00
2,216.0	7.11	344.02	2,210.0	99.8	-28.6	-99.4	0.00	0.00	0.00
2,217.0	7.11	344.02	2,211.0	99.9	-28.6	-99.5	0.00	0.00	0.00
2,218.0	7.11	344.02	2,212.0	100.0	-28.7	-99.6	0.00	0.00	0.00
2,219.0	7.11	344.02	2,213.0	100.1	-28.7	-99.8	0.00	0.00	0.00
2,220.0	7.11	344.02	2,214.0	100.3	-28.7	-99.9	0.00	0.00	0.00
2,221.0	7.11	344.02	2,215.0	100.4	-28.8	-100.0	0.00	0.00	0.00
2,222.0	7.11	344.02	2,216.0	100.5	-28.8	-100.1	0.00	0.00	0.00
2,223.0	7.11	344.02	2,217.0	100.6	-28.8	-100.2	0.00	0.00	0.00
2,224.0	7.11	344.02	2,217.9	100.7	-28.9	-100.4	0.00	0.00	0.00
2,225.0	7.11	344.02	2,218.9	100.8	-28.9	-100.5	0.00	0.00	0.00
2,226.0	7.11	344.02	2,219.9	101.0	-28.9	-100.6	0.00	0.00	0.00
2,227.0	7.11	344.02	2,220.9	101.1	-29.0	-100.7	0.00	0.00	0.00
2,228.0	7.11	344.02	2,221.9	101.2	-29.0	-100.8	0.00	0.00	0.00
2,229.0	7.11	344.02	2,222.9	101.3	-29.0	-101.0	0.00	0.00	0.00
2,230.0	7.11	344.02	2,223.9	101.4	-29.1	-101.1	0.00	0.00	0.00
2,231.0	7.11	344.02	2,224.9	101.6	-29.1	-101.2	0.00	0.00	0.00
2,232.0	7.11	344.02	2,225.9	101.7	-29.1	-101.3	0.00	0.00	0.00
2,233.0	7.11	344.02	2,226.9	101.8	-29.2	-101.4	0.00	0.00	0.00
2,234.0	7.11	344.02	2,227.9	101.9	-29.2	-101.5	0.00	0.00	0.00
2,235.0	7.11	344.02	2,228.9	102.0	-29.2	-101.7	0.00	0.00	0.00
2,236.0	7.11	344.02	2,229.9	102.2	-29.3	-101.8	0.00	0.00	0.00
2,237.0	7.11	344.02	2,230.8	102.3	-29.3	-101.9	0.00	0.00	0.00
2,238.0	7.11	344.02	2,231.8	102.4	-29.3	-102.0	0.00	0.00	0.00
2,239.0	7.11	344.02	2,232.8	102.5	-29.4	-102.1	0.00	0.00	0.00
2,240.0	7.11	344.02	2,233.8	102.6	-29.4	-102.3	0.00	0.00	0.00
2,241.0	7.11	344.02	2,234.8	102.8	-29.4	-102.4	0.00	0.00	0.00
2,242.0	7.11	344.02	2,235.8	102.9	-29.5	-102.5	0.00	0.00	0.00
2,243.0	7.11	344.02	2,236.8	103.0	-29.5	-102.6	0.00	0.00	0.00
2,244.0	7.11	344.02	2,237.8	103.1	-29.5	-102.7	0.00	0.00	0.00
2,245.0	7.11	344.02	2,238.8	103.2	-29.6	-102.9	0.00	0.00	0.00
2,246.0	7.11	344.02	2,239.8	103.3	-29.6	-103.0	0.00	0.00	0.00
2,247.0	7.11	344.02	2,240.8	103.5	-29.6	-103.1	0.00	0.00	0.00
2,248.0	7.11	344.02	2,241.8	103.6	-29.7	-103.2	0.00	0.00	0.00
2,249.0	7.11	344.02	2,242.8	103.7	-29.7	-103.3	0.00	0.00	0.00
2,250.0	7.11	344.02	2,243.7	103.8	-29.7	-103.4	0.00	0.00	0.00
2,251.0	7.11	344.02	2,244.7	103.9	-29.8	-103.6	0.00	0.00	0.00
2,252.0	7.11	344.02	2,245.7	104.1	-29.8	-103.7	0.00	0.00	0.00
2,253.0	7.11	344.02	2,246.7	104.2	-29.8	-103.8	0.00	0.00	0.00
2,254.0	7.11	344.02	2,247.7	104.3	-29.9	-103.9	0.00	0.00	0.00
2,255.0	7.11	344.02	2,248.7	104.4	-29.9	-104.0	0.00	0.00	0.00
2,256.0	7.11	344.02	2,249.7	104.5	-29.9	-104.2	0.00	0.00	0.00
2,257.0	7.11	344.02	2,250.7	104.7	-30.0	-104.3	0.00	0.00	0.00
2,258.0	7.11	344.02	2,251.7	104.8	-30.0	-104.4	0.00	0.00	0.00
2,259.0	7.11	344.02	2,252.7	104.9	-30.0	-104.5	0.00	0.00	0.00
2,260.0	7.11	344.02	2,253.7	105.0	-30.1	-104.6	0.00	0.00	0.00
2,261.0	7.11	344.02	2,254.7	105.1	-30.1	-104.7	0.00	0.00	0.00
2,262.0	7.11	344.02	2,255.7	105.3	-30.2	-104.9	0.00	0.00	0.00
2,263.0	7.11	344.02	2,256.6	105.4	-30.2	-105.0	0.00	0.00	0.00
2,264.0	7.11	344.02	2,257.6	105.5	-30.2	-105.1	0.00	0.00	0.00
2,265.0	7.11	344.02	2,258.6	105.6	-30.3	-105.2	0.00	0.00	0.00
2,266.0	7.11	344.02	2,259.6	105.7	-30.3	-105.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,267.0	7.11	344.02	2,260.6	105.8	-30.3	-105.5	0.00	0.00	0.00
2,268.0	7.11	344.02	2,261.6	106.0	-30.4	-105.6	0.00	0.00	0.00
2,269.0	7.11	344.02	2,262.6	106.1	-30.4	-105.7	0.00	0.00	0.00
2,270.0	7.11	344.02	2,263.6	106.2	-30.4	-105.8	0.00	0.00	0.00
2,271.0	7.11	344.02	2,264.6	106.3	-30.5	-105.9	0.00	0.00	0.00
2,272.0	7.11	344.02	2,265.6	106.4	-30.5	-106.1	0.00	0.00	0.00
2,273.0	7.11	344.02	2,266.6	106.6	-30.5	-106.2	0.00	0.00	0.00
2,274.0	7.11	344.02	2,267.6	106.7	-30.6	-106.3	0.00	0.00	0.00
2,275.0	7.11	344.02	2,268.6	106.8	-30.6	-106.4	0.00	0.00	0.00
2,276.0	7.11	344.02	2,269.5	106.9	-30.6	-106.5	0.00	0.00	0.00
2,277.0	7.11	344.02	2,270.5	107.0	-30.7	-106.6	0.00	0.00	0.00
2,278.0	7.11	344.02	2,271.5	107.2	-30.7	-106.8	0.00	0.00	0.00
2,279.0	7.11	344.02	2,272.5	107.3	-30.7	-106.9	0.00	0.00	0.00
2,280.0	7.11	344.02	2,273.5	107.4	-30.8	-107.0	0.00	0.00	0.00
2,281.0	7.11	344.02	2,274.5	107.5	-30.8	-107.1	0.00	0.00	0.00
2,282.0	7.11	344.02	2,275.5	107.6	-30.8	-107.2	0.00	0.00	0.00
2,283.0	7.11	344.02	2,276.5	107.8	-30.9	-107.4	0.00	0.00	0.00
2,284.0	7.11	344.02	2,277.5	107.9	-30.9	-107.5	0.00	0.00	0.00
2,285.0	7.11	344.02	2,278.5	108.0	-30.9	-107.6	0.00	0.00	0.00
2,286.0	7.11	344.02	2,279.5	108.1	-31.0	-107.7	0.00	0.00	0.00
2,287.0	7.11	344.02	2,280.5	108.2	-31.0	-107.8	0.00	0.00	0.00
2,288.0	7.11	344.02	2,281.5	108.3	-31.0	-107.9	0.00	0.00	0.00
2,289.0	7.11	344.02	2,282.4	108.5	-31.1	-108.1	0.00	0.00	0.00
2,290.0	7.11	344.02	2,283.4	108.6	-31.1	-108.2	0.00	0.00	0.00
2,291.0	7.11	344.02	2,284.4	108.7	-31.1	-108.3	0.00	0.00	0.00
2,292.0	7.11	344.02	2,285.4	108.8	-31.2	-108.4	0.00	0.00	0.00
2,293.0	7.11	344.02	2,286.4	108.9	-31.2	-108.5	0.00	0.00	0.00
2,294.0	7.11	344.02	2,287.4	109.1	-31.2	-108.7	0.00	0.00	0.00
2,295.0	7.11	344.02	2,288.4	109.2	-31.3	-108.8	0.00	0.00	0.00
2,296.0	7.11	344.02	2,289.4	109.3	-31.3	-108.9	0.00	0.00	0.00
2,297.0	7.11	344.02	2,290.4	109.4	-31.3	-109.0	0.00	0.00	0.00
2,298.0	7.11	344.02	2,291.4	109.5	-31.4	-109.1	0.00	0.00	0.00
2,299.0	7.11	344.02	2,292.4	109.7	-31.4	-109.3	0.00	0.00	0.00
2,300.0	7.11	344.02	2,293.4	109.8	-31.4	-109.4	0.00	0.00	0.00
2,301.0	7.11	344.02	2,294.4	109.9	-31.5	-109.5	0.00	0.00	0.00
2,302.0	7.11	344.02	2,295.3	110.0	-31.5	-109.6	0.00	0.00	0.00
2,303.0	7.11	344.02	2,296.3	110.1	-31.5	-109.7	0.00	0.00	0.00
2,304.0	7.11	344.02	2,297.3	110.3	-31.6	-109.8	0.00	0.00	0.00
2,305.0	7.11	344.02	2,298.3	110.4	-31.6	-110.0	0.00	0.00	0.00
2,306.0	7.11	344.02	2,299.3	110.5	-31.7	-110.1	0.00	0.00	0.00
2,307.0	7.11	344.02	2,300.3	110.6	-31.7	-110.2	0.00	0.00	0.00
2,308.0	7.11	344.02	2,301.3	110.7	-31.7	-110.3	0.00	0.00	0.00
2,309.0	7.11	344.02	2,302.3	110.8	-31.8	-110.4	0.00	0.00	0.00
2,310.0	7.11	344.02	2,303.3	111.0	-31.8	-110.6	0.00	0.00	0.00
2,311.0	7.11	344.02	2,304.3	111.1	-31.8	-110.7	0.00	0.00	0.00
2,312.0	7.11	344.02	2,305.3	111.2	-31.9	-110.8	0.00	0.00	0.00
2,313.0	7.11	344.02	2,306.3	111.3	-31.9	-110.9	0.00	0.00	0.00
2,314.0	7.11	344.02	2,307.3	111.4	-31.9	-111.0	0.00	0.00	0.00
2,315.0	7.11	344.02	2,308.2	111.6	-32.0	-111.1	0.00	0.00	0.00
2,316.0	7.11	344.02	2,309.2	111.7	-32.0	-111.3	0.00	0.00	0.00
2,317.0	7.11	344.02	2,310.2	111.8	-32.0	-111.4	0.00	0.00	0.00
2,318.0	7.11	344.02	2,311.2	111.9	-32.1	-111.5	0.00	0.00	0.00
2,319.0	7.11	344.02	2,312.2	112.0	-32.1	-111.6	0.00	0.00	0.00
2,320.0	7.11	344.02	2,313.2	112.2	-32.1	-111.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,321.0	7.11	344.02	2,314.2	112.3	-32.2	-111.9	0.00	0.00	0.00
2,322.0	7.11	344.02	2,315.2	112.4	-32.2	-112.0	0.00	0.00	0.00
2,323.0	7.11	344.02	2,316.2	112.5	-32.2	-112.1	0.00	0.00	0.00
2,324.0	7.11	344.02	2,317.2	112.6	-32.3	-112.2	0.00	0.00	0.00
2,325.0	7.11	344.02	2,318.2	112.7	-32.3	-112.3	0.00	0.00	0.00
2,326.0	7.11	344.02	2,319.2	112.9	-32.3	-112.5	0.00	0.00	0.00
2,327.0	7.11	344.02	2,320.2	113.0	-32.4	-112.6	0.00	0.00	0.00
2,328.0	7.11	344.02	2,321.1	113.1	-32.4	-112.7	0.00	0.00	0.00
2,329.0	7.11	344.02	2,322.1	113.2	-32.4	-112.8	0.00	0.00	0.00
2,330.0	7.11	344.02	2,323.1	113.3	-32.5	-112.9	0.00	0.00	0.00
2,331.0	7.11	344.02	2,324.1	113.5	-32.5	-113.0	0.00	0.00	0.00
2,332.0	7.11	344.02	2,325.1	113.6	-32.5	-113.2	0.00	0.00	0.00
2,333.0	7.11	344.02	2,326.1	113.7	-32.6	-113.3	0.00	0.00	0.00
2,334.0	7.11	344.02	2,327.1	113.8	-32.6	-113.4	0.00	0.00	0.00
2,335.0	7.11	344.02	2,328.1	113.9	-32.6	-113.5	0.00	0.00	0.00
2,336.0	7.11	344.02	2,329.1	114.1	-32.7	-113.6	0.00	0.00	0.00
2,337.0	7.11	344.02	2,330.1	114.2	-32.7	-113.8	0.00	0.00	0.00
2,338.0	7.11	344.02	2,331.1	114.3	-32.7	-113.9	0.00	0.00	0.00
2,339.0	7.11	344.02	2,332.1	114.4	-32.8	-114.0	0.00	0.00	0.00
2,340.0	7.11	344.02	2,333.1	114.5	-32.8	-114.1	0.00	0.00	0.00
2,341.0	7.11	344.02	2,334.0	114.7	-32.8	-114.2	0.00	0.00	0.00
2,342.0	7.11	344.02	2,335.0	114.8	-32.9	-114.4	0.00	0.00	0.00
2,343.0	7.11	344.02	2,336.0	114.9	-32.9	-114.5	0.00	0.00	0.00
2,344.0	7.11	344.02	2,337.0	115.0	-32.9	-114.6	0.00	0.00	0.00
2,345.0	7.11	344.02	2,338.0	115.1	-33.0	-114.7	0.00	0.00	0.00
2,346.0	7.11	344.02	2,339.0	115.2	-33.0	-114.8	0.00	0.00	0.00
2,347.0	7.11	344.02	2,340.0	115.4	-33.0	-114.9	0.00	0.00	0.00
2,348.0	7.11	344.02	2,341.0	115.5	-33.1	-115.1	0.00	0.00	0.00
2,349.0	7.11	344.02	2,342.0	115.6	-33.1	-115.2	0.00	0.00	0.00
2,350.0	7.11	344.02	2,343.0	115.7	-33.2	-115.3	0.00	0.00	0.00
2,351.0	7.11	344.02	2,344.0	115.8	-33.2	-115.4	0.00	0.00	0.00
2,352.0	7.11	344.02	2,345.0	116.0	-33.2	-115.5	0.00	0.00	0.00
2,353.0	7.11	344.02	2,346.0	116.1	-33.3	-115.7	0.00	0.00	0.00
2,354.0	7.11	344.02	2,346.9	116.2	-33.3	-115.8	0.00	0.00	0.00
2,355.0	7.11	344.02	2,347.9	116.3	-33.3	-115.9	0.00	0.00	0.00
2,356.0	7.11	344.02	2,348.9	116.4	-33.4	-116.0	0.00	0.00	0.00
2,357.0	7.11	344.02	2,349.9	116.6	-33.4	-116.1	0.00	0.00	0.00
2,358.0	7.11	344.02	2,350.9	116.7	-33.4	-116.2	0.00	0.00	0.00
2,359.0	7.11	344.02	2,351.9	116.8	-33.5	-116.4	0.00	0.00	0.00
2,360.0	7.11	344.02	2,352.9	116.9	-33.5	-116.5	0.00	0.00	0.00
2,361.0	7.11	344.02	2,353.9	117.0	-33.5	-116.6	0.00	0.00	0.00
2,362.0	7.11	344.02	2,354.9	117.2	-33.6	-116.7	0.00	0.00	0.00
2,363.0	7.11	344.02	2,355.9	117.3	-33.6	-116.8	0.00	0.00	0.00
2,364.0	7.11	344.02	2,356.9	117.4	-33.6	-117.0	0.00	0.00	0.00
2,365.0	7.11	344.02	2,357.9	117.5	-33.7	-117.1	0.00	0.00	0.00
2,366.0	7.11	344.02	2,358.9	117.6	-33.7	-117.2	0.00	0.00	0.00
2,367.0	7.11	344.02	2,359.8	117.7	-33.7	-117.3	0.00	0.00	0.00
2,368.0	7.11	344.02	2,360.8	117.9	-33.8	-117.4	0.00	0.00	0.00
2,369.0	7.11	344.02	2,361.8	118.0	-33.8	-117.6	0.00	0.00	0.00
2,370.0	7.11	344.02	2,362.8	118.1	-33.8	-117.7	0.00	0.00	0.00
2,371.0	7.11	344.02	2,363.8	118.2	-33.9	-117.8	0.00	0.00	0.00
2,372.0	7.11	344.02	2,364.8	118.3	-33.9	-117.9	0.00	0.00	0.00
2,373.0	7.11	344.02	2,365.8	118.5	-33.9	-118.0	0.00	0.00	0.00
2,374.0	7.11	344.02	2,366.8	118.6	-34.0	-118.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,375.0	7.11	344.02	2,367.8	118.7	-34.0	-118.3	0.00	0.00	0.00
2,376.0	7.11	344.02	2,368.8	118.8	-34.0	-118.4	0.00	0.00	0.00
2,377.0	7.11	344.02	2,369.8	118.9	-34.1	-118.5	0.00	0.00	0.00
2,378.0	7.11	344.02	2,370.8	119.1	-34.1	-118.6	0.00	0.00	0.00
2,379.0	7.11	344.02	2,371.8	119.2	-34.1	-118.7	0.00	0.00	0.00
2,380.0	7.11	344.02	2,372.7	119.3	-34.2	-118.9	0.00	0.00	0.00
2,381.0	7.11	344.02	2,373.7	119.4	-34.2	-119.0	0.00	0.00	0.00
2,382.0	7.11	344.02	2,374.7	119.5	-34.2	-119.1	0.00	0.00	0.00
2,383.0	7.11	344.02	2,375.7	119.7	-34.3	-119.2	0.00	0.00	0.00
2,384.0	7.11	344.02	2,376.7	119.8	-34.3	-119.3	0.00	0.00	0.00
2,385.0	7.11	344.02	2,377.7	119.9	-34.3	-119.4	0.00	0.00	0.00
2,386.0	7.11	344.02	2,378.7	120.0	-34.4	-119.6	0.00	0.00	0.00
2,387.0	7.11	344.02	2,379.7	120.1	-34.4	-119.7	0.00	0.00	0.00
2,388.0	7.11	344.02	2,380.7	120.2	-34.4	-119.8	0.00	0.00	0.00
2,389.0	7.11	344.02	2,381.7	120.4	-34.5	-119.9	0.00	0.00	0.00
2,390.0	7.11	344.02	2,382.7	120.5	-34.5	-120.0	0.00	0.00	0.00
2,391.0	7.11	344.02	2,383.7	120.6	-34.5	-120.2	0.00	0.00	0.00
2,392.0	7.11	344.02	2,384.7	120.7	-34.6	-120.3	0.00	0.00	0.00
2,393.0	7.11	344.02	2,385.6	120.8	-34.6	-120.4	0.00	0.00	0.00
2,394.0	7.11	344.02	2,386.6	121.0	-34.7	-120.5	0.00	0.00	0.00
2,395.0	7.11	344.02	2,387.6	121.1	-34.7	-120.6	0.00	0.00	0.00
2,396.0	7.11	344.02	2,388.6	121.2	-34.7	-120.8	0.00	0.00	0.00
2,397.0	7.11	344.02	2,389.6	121.3	-34.8	-120.9	0.00	0.00	0.00
2,398.0	7.11	344.02	2,390.6	121.4	-34.8	-121.0	0.00	0.00	0.00
2,399.0	7.11	344.02	2,391.6	121.6	-34.8	-121.1	0.00	0.00	0.00
2,400.0	7.11	344.02	2,392.6	121.7	-34.9	-121.2	0.00	0.00	0.00
2,401.0	7.11	344.02	2,393.6	121.8	-34.9	-121.3	0.00	0.00	0.00
2,402.0	7.11	344.02	2,394.6	121.9	-34.9	-121.5	0.00	0.00	0.00
2,403.0	7.11	344.02	2,395.6	122.0	-35.0	-121.6	0.00	0.00	0.00
2,404.0	7.11	344.02	2,396.6	122.2	-35.0	-121.7	0.00	0.00	0.00
2,405.0	7.11	344.02	2,397.6	122.3	-35.0	-121.8	0.00	0.00	0.00
2,406.0	7.11	344.02	2,398.5	122.4	-35.1	-121.9	0.00	0.00	0.00
2,407.0	7.11	344.02	2,399.5	122.5	-35.1	-122.1	0.00	0.00	0.00
2,408.0	7.11	344.02	2,400.5	122.6	-35.1	-122.2	0.00	0.00	0.00
2,409.0	7.11	344.02	2,401.5	122.7	-35.2	-122.3	0.00	0.00	0.00
2,410.0	7.11	344.02	2,402.5	122.9	-35.2	-122.4	0.00	0.00	0.00
2,411.0	7.11	344.02	2,403.5	123.0	-35.2	-122.5	0.00	0.00	0.00
2,412.0	7.11	344.02	2,404.5	123.1	-35.3	-122.7	0.00	0.00	0.00
2,413.0	7.11	344.02	2,405.5	123.2	-35.3	-122.8	0.00	0.00	0.00
2,414.0	7.11	344.02	2,406.5	123.3	-35.3	-122.9	0.00	0.00	0.00
2,415.0	7.11	344.02	2,407.5	123.5	-35.4	-123.0	0.00	0.00	0.00
2,416.0	7.11	344.02	2,408.5	123.6	-35.4	-123.1	0.00	0.00	0.00
2,417.0	7.11	344.02	2,409.5	123.7	-35.4	-123.2	0.00	0.00	0.00
2,418.0	7.11	344.02	2,410.5	123.8	-35.5	-123.4	0.00	0.00	0.00
2,419.0	7.11	344.02	2,411.4	123.9	-35.5	-123.5	0.00	0.00	0.00
2,420.0	7.11	344.02	2,412.4	124.1	-35.5	-123.6	0.00	0.00	0.00
2,421.0	7.11	344.02	2,413.4	124.2	-35.6	-123.7	0.00	0.00	0.00
2,422.0	7.11	344.02	2,414.4	124.3	-35.6	-123.8	0.00	0.00	0.00
2,423.0	7.11	344.02	2,415.4	124.4	-35.6	-124.0	0.00	0.00	0.00
2,424.0	7.11	344.02	2,416.4	124.5	-35.7	-124.1	0.00	0.00	0.00
2,425.0	7.11	344.02	2,417.4	124.7	-35.7	-124.2	0.00	0.00	0.00
2,426.0	7.11	344.02	2,418.4	124.8	-35.7	-124.3	0.00	0.00	0.00
2,427.0	7.11	344.02	2,419.4	124.9	-35.8	-124.4	0.00	0.00	0.00
2,428.0	7.11	344.02	2,420.4	125.0	-35.8	-124.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,429.0	7.11	344.02	2,421.4	125.1	-35.8	-124.7	0.00	0.00	0.00
2,430.0	7.11	344.02	2,422.4	125.2	-35.9	-124.8	0.00	0.00	0.00
2,431.0	7.11	344.02	2,423.4	125.4	-35.9	-124.9	0.00	0.00	0.00
2,432.0	7.11	344.02	2,424.3	125.5	-35.9	-125.0	0.00	0.00	0.00
2,433.0	7.11	344.02	2,425.3	125.6	-36.0	-125.1	0.00	0.00	0.00
2,434.0	7.11	344.02	2,426.3	125.7	-36.0	-125.3	0.00	0.00	0.00
2,435.0	7.11	344.02	2,427.3	125.8	-36.0	-125.4	0.00	0.00	0.00
2,436.0	7.11	344.02	2,428.3	126.0	-36.1	-125.5	0.00	0.00	0.00
2,437.0	7.11	344.02	2,429.3	126.1	-36.1	-125.6	0.00	0.00	0.00
2,438.0	7.11	344.02	2,430.3	126.2	-36.2	-125.7	0.00	0.00	0.00
2,439.0	7.11	344.02	2,431.3	126.3	-36.2	-125.9	0.00	0.00	0.00
2,440.0	7.11	344.02	2,432.3	126.4	-36.2	-126.0	0.00	0.00	0.00
2,441.0	7.11	344.02	2,433.3	126.6	-36.3	-126.1	0.00	0.00	0.00
2,442.0	7.11	344.02	2,434.3	126.7	-36.3	-126.2	0.00	0.00	0.00
2,443.0	7.11	344.02	2,435.3	126.8	-36.3	-126.3	0.00	0.00	0.00
2,444.0	7.11	344.02	2,436.3	126.9	-36.4	-126.4	0.00	0.00	0.00
2,445.0	7.11	344.02	2,437.2	127.0	-36.4	-126.6	0.00	0.00	0.00
2,446.0	7.11	344.02	2,438.2	127.1	-36.4	-126.7	0.00	0.00	0.00
2,447.0	7.11	344.02	2,439.2	127.3	-36.5	-126.8	0.00	0.00	0.00
2,448.0	7.11	344.02	2,440.2	127.4	-36.5	-126.9	0.00	0.00	0.00
2,449.0	7.11	344.02	2,441.2	127.5	-36.5	-127.0	0.00	0.00	0.00
2,450.0	7.11	344.02	2,442.2	127.6	-36.6	-127.2	0.00	0.00	0.00
2,451.0	7.11	344.02	2,443.2	127.7	-36.6	-127.3	0.00	0.00	0.00
2,452.0	7.11	344.02	2,444.2	127.9	-36.6	-127.4	0.00	0.00	0.00
2,453.0	7.11	344.02	2,445.2	128.0	-36.7	-127.5	0.00	0.00	0.00
2,454.0	7.11	344.02	2,446.2	128.1	-36.7	-127.6	0.00	0.00	0.00
2,455.0	7.11	344.02	2,447.2	128.2	-36.7	-127.7	0.00	0.00	0.00
2,456.0	7.11	344.02	2,448.2	128.3	-36.8	-127.9	0.00	0.00	0.00
2,457.0	7.11	344.02	2,449.2	128.5	-36.8	-128.0	0.00	0.00	0.00
2,458.0	7.11	344.02	2,450.1	128.6	-36.8	-128.1	0.00	0.00	0.00
2,459.0	7.11	344.02	2,451.1	128.7	-36.9	-128.2	0.00	0.00	0.00
2,460.0	7.11	344.02	2,452.1	128.8	-36.9	-128.3	0.00	0.00	0.00
2,461.0	7.11	344.02	2,453.1	128.9	-36.9	-128.5	0.00	0.00	0.00
2,462.0	7.11	344.02	2,454.1	129.1	-37.0	-128.6	0.00	0.00	0.00
2,463.0	7.11	344.02	2,455.1	129.2	-37.0	-128.7	0.00	0.00	0.00
2,464.0	7.11	344.02	2,456.1	129.3	-37.0	-128.8	0.00	0.00	0.00
2,465.0	7.11	344.02	2,457.1	129.4	-37.1	-128.9	0.00	0.00	0.00
2,466.0	7.11	344.02	2,458.1	129.5	-37.1	-129.1	0.00	0.00	0.00
2,467.0	7.11	344.02	2,459.1	129.6	-37.1	-129.2	0.00	0.00	0.00
2,468.0	7.11	344.02	2,460.1	129.8	-37.2	-129.3	0.00	0.00	0.00
2,469.0	7.11	344.02	2,461.1	129.9	-37.2	-129.4	0.00	0.00	0.00
2,470.0	7.11	344.02	2,462.1	130.0	-37.2	-129.5	0.00	0.00	0.00
2,471.0	7.11	344.02	2,463.0	130.1	-37.3	-129.6	0.00	0.00	0.00
2,472.0	7.11	344.02	2,464.0	130.2	-37.3	-129.8	0.00	0.00	0.00
2,473.0	7.11	344.02	2,465.0	130.4	-37.3	-129.9	0.00	0.00	0.00
2,474.0	7.11	344.02	2,466.0	130.5	-37.4	-130.0	0.00	0.00	0.00
2,475.0	7.11	344.02	2,467.0	130.6	-37.4	-130.1	0.00	0.00	0.00
2,476.0	7.11	344.02	2,468.0	130.7	-37.4	-130.2	0.00	0.00	0.00
2,477.0	7.11	344.02	2,469.0	130.8	-37.5	-130.4	0.00	0.00	0.00
2,478.0	7.11	344.02	2,470.0	131.0	-37.5	-130.5	0.00	0.00	0.00
2,479.0	7.11	344.02	2,471.0	131.1	-37.5	-130.6	0.00	0.00	0.00
2,480.0	7.11	344.02	2,472.0	131.2	-37.6	-130.7	0.00	0.00	0.00
2,481.0	7.11	344.02	2,473.0	131.3	-37.6	-130.8	0.00	0.00	0.00
2,482.0	7.11	344.02	2,474.0	131.4	-37.7	-130.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,483.0	7.11	344.02	2,475.0	131.6	-37.7	-131.1	0.00	0.00	0.00
2,484.0	7.11	344.02	2,475.9	131.7	-37.7	-131.2	0.00	0.00	0.00
2,485.0	7.11	344.02	2,476.9	131.8	-37.8	-131.3	0.00	0.00	0.00
2,486.0	7.11	344.02	2,477.9	131.9	-37.8	-131.4	0.00	0.00	0.00
2,487.0	7.11	344.02	2,478.9	132.0	-37.8	-131.5	0.00	0.00	0.00
2,488.0	7.11	344.02	2,479.9	132.1	-37.9	-131.7	0.00	0.00	0.00
2,489.0	7.11	344.02	2,480.9	132.3	-37.9	-131.8	0.00	0.00	0.00
2,490.0	7.11	344.02	2,481.9	132.4	-37.9	-131.9	0.00	0.00	0.00
2,491.0	7.11	344.02	2,482.9	132.5	-38.0	-132.0	0.00	0.00	0.00
2,492.0	7.11	344.02	2,483.9	132.6	-38.0	-132.1	0.00	0.00	0.00
2,493.0	7.11	344.02	2,484.9	132.7	-38.0	-132.3	0.00	0.00	0.00
2,494.0	7.11	344.02	2,485.9	132.9	-38.1	-132.4	0.00	0.00	0.00
2,495.0	7.11	344.02	2,486.9	133.0	-38.1	-132.5	0.00	0.00	0.00
2,496.0	7.11	344.02	2,487.9	133.1	-38.1	-132.6	0.00	0.00	0.00
2,497.0	7.11	344.02	2,488.8	133.2	-38.2	-132.7	0.00	0.00	0.00
2,498.0	7.11	344.02	2,489.8	133.3	-38.2	-132.8	0.00	0.00	0.00
2,499.0	7.11	344.02	2,490.8	133.5	-38.2	-133.0	0.00	0.00	0.00
2,500.0	7.11	344.02	2,491.8	133.6	-38.3	-133.1	0.00	0.00	0.00
2,501.0	7.11	344.02	2,492.8	133.7	-38.3	-133.2	0.00	0.00	0.00
2,502.0	7.11	344.02	2,493.8	133.8	-38.3	-133.3	0.00	0.00	0.00
2,503.0	7.11	344.02	2,494.8	133.9	-38.4	-133.4	0.00	0.00	0.00
2,504.0	7.11	344.02	2,495.8	134.1	-38.4	-133.6	0.00	0.00	0.00
2,505.0	7.11	344.02	2,496.8	134.2	-38.4	-133.7	0.00	0.00	0.00
2,506.0	7.11	344.02	2,497.8	134.3	-38.5	-133.8	0.00	0.00	0.00
2,507.0	7.11	344.02	2,498.8	134.4	-38.5	-133.9	0.00	0.00	0.00
2,508.0	7.11	344.02	2,499.8	134.5	-38.5	-134.0	0.00	0.00	0.00
2,509.0	7.11	344.02	2,500.8	134.6	-38.6	-134.2	0.00	0.00	0.00
2,510.0	7.11	344.02	2,501.7	134.8	-38.6	-134.3	0.00	0.00	0.00
2,511.0	7.11	344.02	2,502.7	134.9	-38.6	-134.4	0.00	0.00	0.00
2,512.0	7.11	344.02	2,503.7	135.0	-38.7	-134.5	0.00	0.00	0.00
2,513.0	7.11	344.02	2,504.7	135.1	-38.7	-134.6	0.00	0.00	0.00
2,514.0	7.11	344.02	2,505.7	135.2	-38.7	-134.7	0.00	0.00	0.00
2,515.0	7.11	344.02	2,506.7	135.4	-38.8	-134.9	0.00	0.00	0.00
2,516.0	7.11	344.02	2,507.7	135.5	-38.8	-135.0	0.00	0.00	0.00
2,517.0	7.11	344.02	2,508.7	135.6	-38.8	-135.1	0.00	0.00	0.00
2,518.0	7.11	344.02	2,509.7	135.7	-38.9	-135.2	0.00	0.00	0.00
2,519.0	7.11	344.02	2,510.7	135.8	-38.9	-135.3	0.00	0.00	0.00
2,520.0	7.11	344.02	2,511.7	136.0	-38.9	-135.5	0.00	0.00	0.00
2,521.0	7.11	344.02	2,512.7	136.1	-39.0	-135.6	0.00	0.00	0.00
2,522.0	7.11	344.02	2,513.7	136.2	-39.0	-135.7	0.00	0.00	0.00
2,523.0	7.11	344.02	2,514.6	136.3	-39.0	-135.8	0.00	0.00	0.00
2,524.0	7.11	344.02	2,515.6	136.4	-39.1	-135.9	0.00	0.00	0.00
2,525.0	7.11	344.02	2,516.6	136.6	-39.1	-136.0	0.00	0.00	0.00
2,526.0	7.11	344.02	2,517.6	136.7	-39.2	-136.2	0.00	0.00	0.00
2,527.0	7.11	344.02	2,518.6	136.8	-39.2	-136.3	0.00	0.00	0.00
2,528.0	7.11	344.02	2,519.6	136.9	-39.2	-136.4	0.00	0.00	0.00
2,529.0	7.11	344.02	2,520.6	137.0	-39.3	-136.5	0.00	0.00	0.00
2,530.0	7.11	344.02	2,521.6	137.1	-39.3	-136.6	0.00	0.00	0.00
2,531.0	7.11	344.02	2,522.6	137.3	-39.3	-136.8	0.00	0.00	0.00
2,532.0	7.11	344.02	2,523.6	137.4	-39.4	-136.9	0.00	0.00	0.00
2,533.0	7.11	344.02	2,524.6	137.5	-39.4	-137.0	0.00	0.00	0.00
2,534.0	7.11	344.02	2,525.6	137.6	-39.4	-137.1	0.00	0.00	0.00
2,535.0	7.11	344.02	2,526.6	137.7	-39.5	-137.2	0.00	0.00	0.00
2,536.0	7.11	344.02	2,527.5	137.9	-39.5	-137.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,537.0	7.11	344.02	2,528.5	138.0	-39.5	-137.5	0.00	0.00	0.00
2,538.0	7.11	344.02	2,529.5	138.1	-39.6	-137.6	0.00	0.00	0.00
2,539.0	7.11	344.02	2,530.5	138.2	-39.6	-137.7	0.00	0.00	0.00
2,540.0	7.11	344.02	2,531.5	138.3	-39.6	-137.8	0.00	0.00	0.00
2,541.0	7.11	344.02	2,532.5	138.5	-39.7	-137.9	0.00	0.00	0.00
2,542.0	7.11	344.02	2,533.5	138.6	-39.7	-138.1	0.00	0.00	0.00
2,543.0	7.11	344.02	2,534.5	138.7	-39.7	-138.2	0.00	0.00	0.00
2,544.0	7.11	344.02	2,535.5	138.8	-39.8	-138.3	0.00	0.00	0.00
2,545.0	7.11	344.02	2,536.5	138.9	-39.8	-138.4	0.00	0.00	0.00
2,546.0	7.11	344.02	2,537.5	139.0	-39.8	-138.5	0.00	0.00	0.00
2,547.0	7.11	344.02	2,538.5	139.2	-39.9	-138.7	0.00	0.00	0.00
2,548.0	7.11	344.02	2,539.5	139.3	-39.9	-138.8	0.00	0.00	0.00
2,549.0	7.11	344.02	2,540.4	139.4	-39.9	-138.9	0.00	0.00	0.00
2,550.0	7.11	344.02	2,541.4	139.5	-40.0	-139.0	0.00	0.00	0.00
2,551.0	7.11	344.02	2,542.4	139.6	-40.0	-139.1	0.00	0.00	0.00
2,552.0	7.11	344.02	2,543.4	139.8	-40.0	-139.2	0.00	0.00	0.00
2,553.0	7.11	344.02	2,544.4	139.9	-40.1	-139.4	0.00	0.00	0.00
2,554.0	7.11	344.02	2,545.4	140.0	-40.1	-139.5	0.00	0.00	0.00
2,555.0	7.11	344.02	2,546.4	140.1	-40.1	-139.6	0.00	0.00	0.00
2,556.0	7.11	344.02	2,547.4	140.2	-40.2	-139.7	0.00	0.00	0.00
2,557.0	7.11	344.02	2,548.4	140.4	-40.2	-139.8	0.00	0.00	0.00
2,558.0	7.11	344.02	2,549.4	140.5	-40.2	-140.0	0.00	0.00	0.00
2,559.0	7.11	344.02	2,550.4	140.6	-40.3	-140.1	0.00	0.00	0.00
2,560.0	7.11	344.02	2,551.4	140.7	-40.3	-140.2	0.00	0.00	0.00
2,561.0	7.11	344.02	2,552.4	140.8	-40.3	-140.3	0.00	0.00	0.00
2,562.0	7.11	344.02	2,553.3	141.0	-40.4	-140.4	0.00	0.00	0.00
2,563.0	7.11	344.02	2,554.3	141.1	-40.4	-140.6	0.00	0.00	0.00
2,564.0	7.11	344.02	2,555.3	141.2	-40.4	-140.7	0.00	0.00	0.00
2,565.0	7.11	344.02	2,556.3	141.3	-40.5	-140.8	0.00	0.00	0.00
2,566.0	7.11	344.02	2,557.3	141.4	-40.5	-140.9	0.00	0.00	0.00
2,567.0	7.11	344.02	2,558.3	141.5	-40.5	-141.0	0.00	0.00	0.00
2,568.0	7.11	344.02	2,559.3	141.7	-40.6	-141.1	0.00	0.00	0.00
2,569.0	7.11	344.02	2,560.3	141.8	-40.6	-141.3	0.00	0.00	0.00
2,570.0	7.11	344.02	2,561.3	141.9	-40.7	-141.4	0.00	0.00	0.00
2,571.0	7.11	344.02	2,562.3	142.0	-40.7	-141.5	0.00	0.00	0.00
2,572.0	7.11	344.02	2,563.3	142.1	-40.7	-141.6	0.00	0.00	0.00
2,573.0	7.11	344.02	2,564.3	142.3	-40.8	-141.7	0.00	0.00	0.00
2,574.0	7.11	344.02	2,565.3	142.4	-40.8	-141.9	0.00	0.00	0.00
2,575.0	7.11	344.02	2,566.2	142.5	-40.8	-142.0	0.00	0.00	0.00
2,576.0	7.11	344.02	2,567.2	142.6	-40.9	-142.1	0.00	0.00	0.00
2,577.0	7.11	344.02	2,568.2	142.7	-40.9	-142.2	0.00	0.00	0.00
2,578.0	7.11	344.02	2,569.2	142.9	-40.9	-142.3	0.00	0.00	0.00
2,579.0	7.11	344.02	2,570.2	143.0	-41.0	-142.5	0.00	0.00	0.00
2,580.0	7.11	344.02	2,571.2	143.1	-41.0	-142.6	0.00	0.00	0.00
2,581.0	7.11	344.02	2,572.2	143.2	-41.0	-142.7	0.00	0.00	0.00
2,582.0	7.11	344.02	2,573.2	143.3	-41.1	-142.8	0.00	0.00	0.00
2,583.0	7.11	344.02	2,574.2	143.5	-41.1	-142.9	0.00	0.00	0.00
2,584.0	7.11	344.02	2,575.2	143.6	-41.1	-143.0	0.00	0.00	0.00
2,585.0	7.11	344.02	2,576.2	143.7	-41.2	-143.2	0.00	0.00	0.00
2,586.0	7.11	344.02	2,577.2	143.8	-41.2	-143.3	0.00	0.00	0.00
2,587.0	7.11	344.02	2,578.2	143.9	-41.2	-143.4	0.00	0.00	0.00
2,588.0	7.11	344.02	2,579.1	144.0	-41.3	-143.5	0.00	0.00	0.00
2,589.0	7.11	344.02	2,580.1	144.2	-41.3	-143.6	0.00	0.00	0.00
2,590.0	7.11	344.02	2,581.1	144.3	-41.3	-143.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,591.0	7.11	344.02	2,582.1	144.4	-41.4	-143.9	0.00	0.00	0.00
2,592.0	7.11	344.02	2,583.1	144.5	-41.4	-144.0	0.00	0.00	0.00
2,593.0	7.11	344.02	2,584.1	144.6	-41.4	-144.1	0.00	0.00	0.00
2,594.0	7.11	344.02	2,585.1	144.8	-41.5	-144.2	0.00	0.00	0.00
2,595.0	7.11	344.02	2,586.1	144.9	-41.5	-144.3	0.00	0.00	0.00
2,596.0	7.11	344.02	2,587.1	145.0	-41.5	-144.5	0.00	0.00	0.00
2,597.0	7.11	344.02	2,588.1	145.1	-41.6	-144.6	0.00	0.00	0.00
2,598.0	7.11	344.02	2,589.1	145.2	-41.6	-144.7	0.00	0.00	0.00
2,599.0	7.11	344.02	2,590.1	145.4	-41.6	-144.8	0.00	0.00	0.00
2,600.0	7.11	344.02	2,591.1	145.5	-41.7	-144.9	0.00	0.00	0.00
2,601.0	7.11	344.02	2,592.0	145.6	-41.7	-145.1	0.00	0.00	0.00
2,602.0	7.11	344.02	2,593.0	145.7	-41.7	-145.2	0.00	0.00	0.00
2,603.0	7.11	344.02	2,594.0	145.8	-41.8	-145.3	0.00	0.00	0.00
2,604.0	7.11	344.02	2,595.0	146.0	-41.8	-145.4	0.00	0.00	0.00
2,605.0	7.11	344.02	2,596.0	146.1	-41.8	-145.5	0.00	0.00	0.00
2,606.0	7.11	344.02	2,597.0	146.2	-41.9	-145.7	0.00	0.00	0.00
2,607.0	7.11	344.02	2,598.0	146.3	-41.9	-145.8	0.00	0.00	0.00
2,608.0	7.11	344.02	2,599.0	146.4	-41.9	-145.9	0.00	0.00	0.00
2,609.0	7.11	344.02	2,600.0	146.5	-42.0	-146.0	0.00	0.00	0.00
2,610.0	7.11	344.02	2,601.0	146.7	-42.0	-146.1	0.00	0.00	0.00
2,611.0	7.11	344.02	2,602.0	146.8	-42.0	-146.2	0.00	0.00	0.00
2,612.0	7.11	344.02	2,603.0	146.9	-42.1	-146.4	0.00	0.00	0.00
2,613.0	7.11	344.02	2,604.0	147.0	-42.1	-146.5	0.00	0.00	0.00
2,614.0	7.11	344.02	2,604.9	147.1	-42.1	-146.6	0.00	0.00	0.00
2,615.0	7.11	344.02	2,605.9	147.3	-42.2	-146.7	0.00	0.00	0.00
2,616.0	7.11	344.02	2,606.9	147.4	-42.2	-146.8	0.00	0.00	0.00
2,617.0	7.11	344.02	2,607.9	147.5	-42.3	-147.0	0.00	0.00	0.00
2,618.0	7.11	344.02	2,608.9	147.6	-42.3	-147.1	0.00	0.00	0.00
2,619.0	7.11	344.02	2,609.9	147.7	-42.3	-147.2	0.00	0.00	0.00
2,620.0	7.11	344.02	2,610.9	147.9	-42.4	-147.3	0.00	0.00	0.00
2,621.0	7.11	344.02	2,611.9	148.0	-42.4	-147.4	0.00	0.00	0.00
2,622.0	7.11	344.02	2,612.9	148.1	-42.4	-147.5	0.00	0.00	0.00
2,623.0	7.11	344.02	2,613.9	148.2	-42.5	-147.7	0.00	0.00	0.00
2,624.0	7.11	344.02	2,614.9	148.3	-42.5	-147.8	0.00	0.00	0.00
2,625.0	7.11	344.02	2,615.9	148.5	-42.5	-147.9	0.00	0.00	0.00
2,626.0	7.11	344.02	2,616.9	148.6	-42.6	-148.0	0.00	0.00	0.00
2,627.0	7.11	344.02	2,617.8	148.7	-42.6	-148.1	0.00	0.00	0.00
2,628.0	7.11	344.02	2,618.8	148.8	-42.6	-148.3	0.00	0.00	0.00
2,629.0	7.11	344.02	2,619.8	148.9	-42.7	-148.4	0.00	0.00	0.00
2,630.0	7.11	344.02	2,620.8	149.0	-42.7	-148.5	0.00	0.00	0.00
2,631.0	7.11	344.02	2,621.8	149.2	-42.7	-148.6	0.00	0.00	0.00
2,632.0	7.11	344.02	2,622.8	149.3	-42.8	-148.7	0.00	0.00	0.00
2,633.0	7.11	344.02	2,623.8	149.4	-42.8	-148.9	0.00	0.00	0.00
2,634.0	7.11	344.02	2,624.8	149.5	-42.8	-149.0	0.00	0.00	0.00
2,635.0	7.11	344.02	2,625.8	149.6	-42.9	-149.1	0.00	0.00	0.00
2,636.0	7.11	344.02	2,626.8	149.8	-42.9	-149.2	0.00	0.00	0.00
2,637.0	7.11	344.02	2,627.8	149.9	-42.9	-149.3	0.00	0.00	0.00
2,638.0	7.11	344.02	2,628.8	150.0	-43.0	-149.4	0.00	0.00	0.00
2,639.0	7.11	344.02	2,629.8	150.1	-43.0	-149.6	0.00	0.00	0.00
2,640.0	7.11	344.02	2,630.7	150.2	-43.0	-149.7	0.00	0.00	0.00
2,641.0	7.11	344.02	2,631.7	150.4	-43.1	-149.8	0.00	0.00	0.00
2,642.0	7.11	344.02	2,632.7	150.5	-43.1	-149.9	0.00	0.00	0.00
2,643.0	7.11	344.02	2,633.7	150.6	-43.1	-150.0	0.00	0.00	0.00
2,644.0	7.11	344.02	2,634.7	150.7	-43.2	-150.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,645.0	7.11	344.02	2,635.7	150.8	-43.2	-150.3	0.00	0.00	0.00
2,646.0	7.11	344.02	2,636.7	150.9	-43.2	-150.4	0.00	0.00	0.00
2,647.0	7.11	344.02	2,637.7	151.1	-43.3	-150.5	0.00	0.00	0.00
2,648.0	7.11	344.02	2,638.7	151.2	-43.3	-150.6	0.00	0.00	0.00
2,649.0	7.11	344.02	2,639.7	151.3	-43.3	-150.8	0.00	0.00	0.00
2,650.0	7.11	344.02	2,640.7	151.4	-43.4	-150.9	0.00	0.00	0.00
2,651.0	7.11	344.02	2,641.7	151.5	-43.4	-151.0	0.00	0.00	0.00
2,652.0	7.11	344.02	2,642.7	151.7	-43.4	-151.1	0.00	0.00	0.00
2,653.0	7.11	344.02	2,643.6	151.8	-43.5	-151.2	0.00	0.00	0.00
2,654.0	7.11	344.02	2,644.6	151.9	-43.5	-151.3	0.00	0.00	0.00
2,655.0	7.11	344.02	2,645.6	152.0	-43.5	-151.5	0.00	0.00	0.00
2,656.0	7.11	344.02	2,646.6	152.1	-43.6	-151.6	0.00	0.00	0.00
2,657.0	7.11	344.02	2,647.6	152.3	-43.6	-151.7	0.00	0.00	0.00
2,658.0	7.11	344.02	2,648.6	152.4	-43.6	-151.8	0.00	0.00	0.00
2,659.0	7.11	344.02	2,649.6	152.5	-43.7	-151.9	0.00	0.00	0.00
2,660.0	7.11	344.02	2,650.6	152.6	-43.7	-152.1	0.00	0.00	0.00
2,661.0	7.11	344.02	2,651.6	152.7	-43.8	-152.2	0.00	0.00	0.00
2,662.0	7.11	344.02	2,652.6	152.9	-43.8	-152.3	0.00	0.00	0.00
2,663.0	7.11	344.02	2,653.6	153.0	-43.8	-152.4	0.00	0.00	0.00
2,664.0	7.11	344.02	2,654.6	153.1	-43.9	-152.5	0.00	0.00	0.00
2,665.0	7.11	344.02	2,655.6	153.2	-43.9	-152.6	0.00	0.00	0.00
2,666.0	7.11	344.02	2,656.5	153.3	-43.9	-152.8	0.00	0.00	0.00
2,667.0	7.11	344.02	2,657.5	153.4	-44.0	-152.9	0.00	0.00	0.00
2,668.0	7.11	344.02	2,658.5	153.6	-44.0	-153.0	0.00	0.00	0.00
2,669.0	7.11	344.02	2,659.5	153.7	-44.0	-153.1	0.00	0.00	0.00
2,670.0	7.11	344.02	2,660.5	153.8	-44.1	-153.2	0.00	0.00	0.00
2,671.0	7.11	344.02	2,661.5	153.9	-44.1	-153.4	0.00	0.00	0.00
2,672.0	7.11	344.02	2,662.5	154.0	-44.1	-153.5	0.00	0.00	0.00
2,673.0	7.11	344.02	2,663.5	154.2	-44.2	-153.6	0.00	0.00	0.00
2,674.0	7.11	344.02	2,664.5	154.3	-44.2	-153.7	0.00	0.00	0.00
2,675.0	7.11	344.02	2,665.5	154.4	-44.2	-153.8	0.00	0.00	0.00
2,676.0	7.11	344.02	2,666.5	154.5	-44.3	-154.0	0.00	0.00	0.00
2,677.0	7.11	344.02	2,667.5	154.6	-44.3	-154.1	0.00	0.00	0.00
2,678.0	7.11	344.02	2,668.5	154.8	-44.3	-154.2	0.00	0.00	0.00
2,679.0	7.11	344.02	2,669.4	154.9	-44.4	-154.3	0.00	0.00	0.00
2,680.0	7.11	344.02	2,670.4	155.0	-44.4	-154.4	0.00	0.00	0.00
2,681.0	7.11	344.02	2,671.4	155.1	-44.4	-154.5	0.00	0.00	0.00
2,682.0	7.11	344.02	2,672.4	155.2	-44.5	-154.7	0.00	0.00	0.00
2,683.0	7.11	344.02	2,673.4	155.4	-44.5	-154.8	0.00	0.00	0.00
2,684.0	7.11	344.02	2,674.4	155.5	-44.5	-154.9	0.00	0.00	0.00
2,685.0	7.11	344.02	2,675.4	155.6	-44.6	-155.0	0.00	0.00	0.00
2,686.0	7.11	344.02	2,676.4	155.7	-44.6	-155.1	0.00	0.00	0.00
2,687.0	7.11	344.02	2,677.4	155.8	-44.6	-155.3	0.00	0.00	0.00
2,688.0	7.11	344.02	2,678.4	155.9	-44.7	-155.4	0.00	0.00	0.00
2,689.0	7.11	344.02	2,679.4	156.1	-44.7	-155.5	0.00	0.00	0.00
2,690.0	7.11	344.02	2,680.4	156.2	-44.7	-155.6	0.00	0.00	0.00
2,691.0	7.11	344.02	2,681.4	156.3	-44.8	-155.7	0.00	0.00	0.00
2,692.0	7.11	344.02	2,682.3	156.4	-44.8	-155.8	0.00	0.00	0.00
2,693.0	7.11	344.02	2,683.3	156.5	-44.8	-156.0	0.00	0.00	0.00
2,694.0	7.11	344.02	2,684.3	156.7	-44.9	-156.1	0.00	0.00	0.00
2,695.0	7.11	344.02	2,685.3	156.8	-44.9	-156.2	0.00	0.00	0.00
2,696.0	7.11	344.02	2,686.3	156.9	-44.9	-156.3	0.00	0.00	0.00
2,697.0	7.11	344.02	2,687.3	157.0	-45.0	-156.4	0.00	0.00	0.00
2,698.0	7.11	344.02	2,688.3	157.1	-45.0	-156.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,699.0	7.11	344.02	2,689.3	157.3	-45.0	-156.7	0.00	0.00	0.00
2,700.0	7.11	344.02	2,690.3	157.4	-45.1	-156.8	0.00	0.00	0.00
2,701.0	7.11	344.02	2,691.3	157.5	-45.1	-156.9	0.00	0.00	0.00
2,702.0	7.11	344.02	2,692.3	157.6	-45.1	-157.0	0.00	0.00	0.00
2,703.0	7.11	344.02	2,693.3	157.7	-45.2	-157.2	0.00	0.00	0.00
2,704.0	7.11	344.02	2,694.3	157.9	-45.2	-157.3	0.00	0.00	0.00
2,705.0	7.11	344.02	2,695.2	158.0	-45.3	-157.4	0.00	0.00	0.00
2,706.0	7.11	344.02	2,696.2	158.1	-45.3	-157.5	0.00	0.00	0.00
2,707.0	7.11	344.02	2,697.2	158.2	-45.3	-157.6	0.00	0.00	0.00
2,708.0	7.11	344.02	2,698.2	158.3	-45.4	-157.7	0.00	0.00	0.00
2,709.0	7.11	344.02	2,699.2	158.4	-45.4	-157.9	0.00	0.00	0.00
2,710.0	7.11	344.02	2,700.2	158.6	-45.4	-158.0	0.00	0.00	0.00
2,711.0	7.11	344.02	2,701.2	158.7	-45.5	-158.1	0.00	0.00	0.00
2,712.0	7.11	344.02	2,702.2	158.8	-45.5	-158.2	0.00	0.00	0.00
2,713.0	7.11	344.02	2,703.2	158.9	-45.5	-158.3	0.00	0.00	0.00
2,714.0	7.11	344.02	2,704.2	159.0	-45.6	-158.5	0.00	0.00	0.00
2,715.0	7.11	344.02	2,705.2	159.2	-45.6	-158.6	0.00	0.00	0.00
2,716.0	7.11	344.02	2,706.2	159.3	-45.6	-158.7	0.00	0.00	0.00
2,717.0	7.11	344.02	2,707.2	159.4	-45.7	-158.8	0.00	0.00	0.00
2,718.0	7.11	344.02	2,708.1	159.5	-45.7	-158.9	0.00	0.00	0.00
2,719.0	7.11	344.02	2,709.1	159.6	-45.7	-159.0	0.00	0.00	0.00
2,720.0	7.11	344.02	2,710.1	159.8	-45.8	-159.2	0.00	0.00	0.00
2,721.0	7.11	344.02	2,711.1	159.9	-45.8	-159.3	0.00	0.00	0.00
2,722.0	7.11	344.02	2,712.1	160.0	-45.8	-159.4	0.00	0.00	0.00
2,723.0	7.11	344.02	2,713.1	160.1	-45.9	-159.5	0.00	0.00	0.00
2,724.0	7.11	344.02	2,714.1	160.2	-45.9	-159.6	0.00	0.00	0.00
2,725.0	7.11	344.02	2,715.1	160.4	-45.9	-159.8	0.00	0.00	0.00
2,726.0	7.11	344.02	2,716.1	160.5	-46.0	-159.9	0.00	0.00	0.00
2,727.0	7.11	344.02	2,717.1	160.6	-46.0	-160.0	0.00	0.00	0.00
2,728.0	7.11	344.02	2,718.1	160.7	-46.0	-160.1	0.00	0.00	0.00
2,729.0	7.11	344.02	2,719.1	160.8	-46.1	-160.2	0.00	0.00	0.00
2,730.0	7.11	344.02	2,720.1	160.9	-46.1	-160.4	0.00	0.00	0.00
2,731.0	7.11	344.02	2,721.0	161.1	-46.1	-160.5	0.00	0.00	0.00
2,732.0	7.11	344.02	2,722.0	161.2	-46.2	-160.6	0.00	0.00	0.00
2,733.0	7.11	344.02	2,723.0	161.3	-46.2	-160.7	0.00	0.00	0.00
2,734.0	7.11	344.02	2,724.0	161.4	-46.2	-160.8	0.00	0.00	0.00
2,735.0	7.11	344.02	2,725.0	161.5	-46.3	-160.9	0.00	0.00	0.00
2,736.0	7.11	344.02	2,726.0	161.7	-46.3	-161.1	0.00	0.00	0.00
2,737.0	7.11	344.02	2,727.0	161.8	-46.3	-161.2	0.00	0.00	0.00
2,738.0	7.11	344.02	2,728.0	161.9	-46.4	-161.3	0.00	0.00	0.00
2,739.0	7.11	344.02	2,729.0	162.0	-46.4	-161.4	0.00	0.00	0.00
2,740.0	7.11	344.02	2,730.0	162.1	-46.4	-161.5	0.00	0.00	0.00
2,741.0	7.11	344.02	2,731.0	162.3	-46.5	-161.7	0.00	0.00	0.00
2,742.0	7.11	344.02	2,732.0	162.4	-46.5	-161.8	0.00	0.00	0.00
2,743.0	7.11	344.02	2,733.0	162.5	-46.5	-161.9	0.00	0.00	0.00
2,744.0	7.11	344.02	2,733.9	162.6	-46.6	-162.0	0.00	0.00	0.00
2,745.0	7.11	344.02	2,734.9	162.7	-46.6	-162.1	0.00	0.00	0.00
2,746.0	7.11	344.02	2,735.9	162.9	-46.6	-162.3	0.00	0.00	0.00
2,747.0	7.11	344.02	2,736.9	163.0	-46.7	-162.4	0.00	0.00	0.00
2,748.0	7.11	344.02	2,737.9	163.1	-46.7	-162.5	0.00	0.00	0.00
2,749.0	7.11	344.02	2,738.9	163.2	-46.8	-162.6	0.00	0.00	0.00
2,750.0	7.11	344.02	2,739.9	163.3	-46.8	-162.7	0.00	0.00	0.00
2,751.0	7.11	344.02	2,740.9	163.4	-46.8	-162.8	0.00	0.00	0.00
2,752.0	7.11	344.02	2,741.9	163.6	-46.9	-163.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,753.0	7.11	344.02	2,742.9	163.7	-46.9	-163.1	0.00	0.00	0.00
2,754.0	7.11	344.02	2,743.9	163.8	-46.9	-163.2	0.00	0.00	0.00
2,755.0	7.11	344.02	2,744.9	163.9	-47.0	-163.3	0.00	0.00	0.00
2,756.0	7.11	344.02	2,745.9	164.0	-47.0	-163.4	0.00	0.00	0.00
2,757.0	7.11	344.02	2,746.8	164.2	-47.0	-163.6	0.00	0.00	0.00
2,758.0	7.11	344.02	2,747.8	164.3	-47.1	-163.7	0.00	0.00	0.00
2,759.0	7.11	344.02	2,748.8	164.4	-47.1	-163.8	0.00	0.00	0.00
2,760.0	7.11	344.02	2,749.8	164.5	-47.1	-163.9	0.00	0.00	0.00
2,761.0	7.11	344.02	2,750.8	164.6	-47.2	-164.0	0.00	0.00	0.00
2,762.0	7.11	344.02	2,751.8	164.8	-47.2	-164.1	0.00	0.00	0.00
2,763.0	7.11	344.02	2,752.8	164.9	-47.2	-164.3	0.00	0.00	0.00
2,764.0	7.11	344.02	2,753.8	165.0	-47.3	-164.4	0.00	0.00	0.00
2,765.0	7.11	344.02	2,754.8	165.1	-47.3	-164.5	0.00	0.00	0.00
2,766.0	7.11	344.02	2,755.8	165.2	-47.3	-164.6	0.00	0.00	0.00
2,767.0	7.11	344.02	2,756.8	165.3	-47.4	-164.7	0.00	0.00	0.00
2,768.0	7.11	344.02	2,757.8	165.5	-47.4	-164.9	0.00	0.00	0.00
2,769.0	7.11	344.02	2,758.8	165.6	-47.4	-165.0	0.00	0.00	0.00
2,770.0	7.11	344.02	2,759.7	165.7	-47.5	-165.1	0.00	0.00	0.00
2,771.0	7.11	344.02	2,760.7	165.8	-47.5	-165.2	0.00	0.00	0.00
2,772.0	7.11	344.02	2,761.7	165.9	-47.5	-165.3	0.00	0.00	0.00
2,773.0	7.11	344.02	2,762.7	166.1	-47.6	-165.5	0.00	0.00	0.00
2,774.0	7.11	344.02	2,763.7	166.2	-47.6	-165.6	0.00	0.00	0.00
2,775.0	7.11	344.02	2,764.7	166.3	-47.6	-165.7	0.00	0.00	0.00
2,776.0	7.11	344.02	2,765.7	166.4	-47.7	-165.8	0.00	0.00	0.00
2,777.0	7.11	344.02	2,766.7	166.5	-47.7	-165.9	0.00	0.00	0.00
2,778.0	7.11	344.02	2,767.7	166.7	-47.7	-166.0	0.00	0.00	0.00
2,779.0	7.11	344.02	2,768.7	166.8	-47.8	-166.2	0.00	0.00	0.00
2,780.0	7.11	344.02	2,769.7	166.9	-47.8	-166.3	0.00	0.00	0.00
2,781.0	7.11	344.02	2,770.7	167.0	-47.8	-166.4	0.00	0.00	0.00
2,782.0	7.11	344.02	2,771.7	167.1	-47.9	-166.5	0.00	0.00	0.00
2,783.0	7.11	344.02	2,772.6	167.3	-47.9	-166.6	0.00	0.00	0.00
2,784.0	7.11	344.02	2,773.6	167.4	-47.9	-166.8	0.00	0.00	0.00
2,785.0	7.11	344.02	2,774.6	167.5	-48.0	-166.9	0.00	0.00	0.00
2,786.0	7.11	344.02	2,775.6	167.6	-48.0	-167.0	0.00	0.00	0.00
2,787.0	7.11	344.02	2,776.6	167.7	-48.0	-167.1	0.00	0.00	0.00
2,788.0	7.11	344.02	2,777.6	167.8	-48.1	-167.2	0.00	0.00	0.00
2,789.0	7.11	344.02	2,778.6	168.0	-48.1	-167.3	0.00	0.00	0.00
2,790.0	7.11	344.02	2,779.6	168.1	-48.1	-167.5	0.00	0.00	0.00
2,791.0	7.11	344.02	2,780.6	168.2	-48.2	-167.6	0.00	0.00	0.00
2,792.0	7.11	344.02	2,781.6	168.3	-48.2	-167.7	0.00	0.00	0.00
2,793.0	7.11	344.02	2,782.6	168.4	-48.3	-167.8	0.00	0.00	0.00
2,794.0	7.11	344.02	2,783.6	168.6	-48.3	-167.9	0.00	0.00	0.00
2,795.0	7.11	344.02	2,784.6	168.7	-48.3	-168.1	0.00	0.00	0.00
2,796.0	7.11	344.02	2,785.5	168.8	-48.4	-168.2	0.00	0.00	0.00
2,797.0	7.11	344.02	2,786.5	168.9	-48.4	-168.3	0.00	0.00	0.00
2,798.0	7.11	344.02	2,787.5	169.0	-48.4	-168.4	0.00	0.00	0.00
2,799.0	7.11	344.02	2,788.5	169.2	-48.5	-168.5	0.00	0.00	0.00
2,800.0	7.11	344.02	2,789.5	169.3	-48.5	-168.7	0.00	0.00	0.00
2,801.0	7.11	344.02	2,790.5	169.4	-48.5	-168.8	0.00	0.00	0.00
2,802.0	7.11	344.02	2,791.5	169.5	-48.6	-168.9	0.00	0.00	0.00
2,803.0	7.11	344.02	2,792.5	169.6	-48.6	-169.0	0.00	0.00	0.00
2,804.0	7.11	344.02	2,793.5	169.8	-48.6	-169.1	0.00	0.00	0.00
2,805.0	7.11	344.02	2,794.5	169.9	-48.7	-169.2	0.00	0.00	0.00
2,806.0	7.11	344.02	2,795.5	170.0	-48.7	-169.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,807.0	7.11	344.02	2,796.5	170.1	-48.7	-169.5	0.00	0.00	0.00
2,808.0	7.11	344.02	2,797.5	170.2	-48.8	-169.6	0.00	0.00	0.00
2,809.0	7.11	344.02	2,798.4	170.3	-48.8	-169.7	0.00	0.00	0.00
2,810.0	7.11	344.02	2,799.4	170.5	-48.8	-169.8	0.00	0.00	0.00
2,811.0	7.11	344.02	2,800.4	170.6	-48.9	-170.0	0.00	0.00	0.00
2,812.0	7.11	344.02	2,801.4	170.7	-48.9	-170.1	0.00	0.00	0.00
2,813.0	7.11	344.02	2,802.4	170.8	-48.9	-170.2	0.00	0.00	0.00
2,814.0	7.11	344.02	2,803.4	170.9	-49.0	-170.3	0.00	0.00	0.00
2,815.0	7.11	344.02	2,804.4	171.1	-49.0	-170.4	0.00	0.00	0.00
2,816.0	7.11	344.02	2,805.4	171.2	-49.0	-170.6	0.00	0.00	0.00
2,817.0	7.11	344.02	2,806.4	171.3	-49.1	-170.7	0.00	0.00	0.00
2,818.0	7.11	344.02	2,807.4	171.4	-49.1	-170.8	0.00	0.00	0.00
2,819.0	7.11	344.02	2,808.4	171.5	-49.1	-170.9	0.00	0.00	0.00
2,820.0	7.11	344.02	2,809.4	171.7	-49.2	-171.0	0.00	0.00	0.00
2,821.0	7.11	344.02	2,810.4	171.8	-49.2	-171.1	0.00	0.00	0.00
2,822.0	7.11	344.02	2,811.3	171.9	-49.2	-171.3	0.00	0.00	0.00
2,823.0	7.11	344.02	2,812.3	172.0	-49.3	-171.4	0.00	0.00	0.00
2,824.0	7.11	344.02	2,813.3	172.1	-49.3	-171.5	0.00	0.00	0.00
2,825.0	7.11	344.02	2,814.3	172.3	-49.3	-171.6	0.00	0.00	0.00
2,826.0	7.11	344.02	2,815.3	172.4	-49.4	-171.7	0.00	0.00	0.00
2,827.0	7.11	344.02	2,816.3	172.5	-49.4	-171.9	0.00	0.00	0.00
2,828.0	7.11	344.02	2,817.3	172.6	-49.4	-172.0	0.00	0.00	0.00
2,829.0	7.11	344.02	2,818.3	172.7	-49.5	-172.1	0.00	0.00	0.00
2,830.0	7.11	344.02	2,819.3	172.8	-49.5	-172.2	0.00	0.00	0.00
2,831.0	7.11	344.02	2,820.3	173.0	-49.5	-172.3	0.00	0.00	0.00
2,832.0	7.11	344.02	2,821.3	173.1	-49.6	-172.4	0.00	0.00	0.00
2,833.0	7.11	344.02	2,822.3	173.2	-49.6	-172.6	0.00	0.00	0.00
2,834.0	7.11	344.02	2,823.3	173.3	-49.6	-172.7	0.00	0.00	0.00
2,835.0	7.11	344.02	2,824.2	173.4	-49.7	-172.8	0.00	0.00	0.00
2,836.0	7.11	344.02	2,825.2	173.6	-49.7	-172.9	0.00	0.00	0.00
2,837.0	7.11	344.02	2,826.2	173.7	-49.8	-173.0	0.00	0.00	0.00
2,838.0	7.11	344.02	2,827.2	173.8	-49.8	-173.2	0.00	0.00	0.00
2,839.0	7.11	344.02	2,828.2	173.9	-49.8	-173.3	0.00	0.00	0.00
2,840.0	7.11	344.02	2,829.2	174.0	-49.9	-173.4	0.00	0.00	0.00
2,841.0	7.11	344.02	2,830.2	174.2	-49.9	-173.5	0.00	0.00	0.00
2,842.0	7.11	344.02	2,831.2	174.3	-49.9	-173.6	0.00	0.00	0.00
2,843.0	7.11	344.02	2,832.2	174.4	-50.0	-173.8	0.00	0.00	0.00
2,844.0	7.11	344.02	2,833.2	174.5	-50.0	-173.9	0.00	0.00	0.00
2,845.0	7.11	344.02	2,834.2	174.6	-50.0	-174.0	0.00	0.00	0.00
2,846.0	7.11	344.02	2,835.2	174.8	-50.1	-174.1	0.00	0.00	0.00
2,847.0	7.11	344.02	2,836.2	174.9	-50.1	-174.2	0.00	0.00	0.00
2,848.0	7.11	344.02	2,837.1	175.0	-50.1	-174.3	0.00	0.00	0.00
2,849.0	7.11	344.02	2,838.1	175.1	-50.2	-174.5	0.00	0.00	0.00
2,850.0	7.11	344.02	2,839.1	175.2	-50.2	-174.6	0.00	0.00	0.00
2,851.0	7.11	344.02	2,840.1	175.3	-50.2	-174.7	0.00	0.00	0.00
2,852.0	7.11	344.02	2,841.1	175.5	-50.3	-174.8	0.00	0.00	0.00
2,853.0	7.11	344.02	2,842.1	175.6	-50.3	-174.9	0.00	0.00	0.00
2,854.0	7.11	344.02	2,843.1	175.7	-50.3	-175.1	0.00	0.00	0.00
2,855.0	7.11	344.02	2,844.1	175.8	-50.4	-175.2	0.00	0.00	0.00
2,856.0	7.11	344.02	2,845.1	175.9	-50.4	-175.3	0.00	0.00	0.00
2,857.0	7.11	344.02	2,846.1	176.1	-50.4	-175.4	0.00	0.00	0.00
2,858.0	7.11	344.02	2,847.1	176.2	-50.5	-175.5	0.00	0.00	0.00
2,859.0	7.11	344.02	2,848.1	176.3	-50.5	-175.6	0.00	0.00	0.00
2,860.0	7.11	344.02	2,849.1	176.4	-50.5	-175.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,861.0	7.11	344.02	2,850.0	176.5	-50.6	-175.9	0.00	0.00	0.00
2,862.0	7.11	344.02	2,851.0	176.7	-50.6	-176.0	0.00	0.00	0.00
2,863.0	7.11	344.02	2,852.0	176.8	-50.6	-176.1	0.00	0.00	0.00
2,864.0	7.11	344.02	2,853.0	176.9	-50.7	-176.2	0.00	0.00	0.00
2,865.0	7.11	344.02	2,854.0	177.0	-50.7	-176.4	0.00	0.00	0.00
2,866.0	7.11	344.02	2,855.0	177.1	-50.7	-176.5	0.00	0.00	0.00
2,867.0	7.11	344.02	2,856.0	177.2	-50.8	-176.6	0.00	0.00	0.00
2,868.0	7.11	344.02	2,857.0	177.4	-50.8	-176.7	0.00	0.00	0.00
2,869.0	7.11	344.02	2,858.0	177.5	-50.8	-176.8	0.00	0.00	0.00
2,870.0	7.11	344.02	2,859.0	177.6	-50.9	-177.0	0.00	0.00	0.00
2,871.0	7.11	344.02	2,860.0	177.7	-50.9	-177.1	0.00	0.00	0.00
2,872.0	7.11	344.02	2,861.0	177.8	-50.9	-177.2	0.00	0.00	0.00
2,873.0	7.11	344.02	2,862.0	178.0	-51.0	-177.3	0.00	0.00	0.00
2,874.0	7.11	344.02	2,862.9	178.1	-51.0	-177.4	0.00	0.00	0.00
2,875.0	7.11	344.02	2,863.9	178.2	-51.0	-177.5	0.00	0.00	0.00
2,876.0	7.11	344.02	2,864.9	178.3	-51.1	-177.7	0.00	0.00	0.00
2,877.0	7.11	344.02	2,865.9	178.4	-51.1	-177.8	0.00	0.00	0.00
2,878.0	7.11	344.02	2,866.9	178.6	-51.1	-177.9	0.00	0.00	0.00
2,879.0	7.11	344.02	2,867.9	178.7	-51.2	-178.0	0.00	0.00	0.00
2,880.0	7.11	344.02	2,868.9	178.8	-51.2	-178.1	0.00	0.00	0.00
2,881.0	7.11	344.02	2,869.9	178.9	-51.3	-178.3	0.00	0.00	0.00
2,882.0	7.11	344.02	2,870.9	179.0	-51.3	-178.4	0.00	0.00	0.00
2,883.0	7.11	344.02	2,871.9	179.2	-51.3	-178.5	0.00	0.00	0.00
2,884.0	7.11	344.02	2,872.9	179.3	-51.4	-178.6	0.00	0.00	0.00
2,885.0	7.11	344.02	2,873.9	179.4	-51.4	-178.7	0.00	0.00	0.00
2,886.0	7.11	344.02	2,874.9	179.5	-51.4	-178.9	0.00	0.00	0.00
2,887.0	7.11	344.02	2,875.8	179.6	-51.5	-179.0	0.00	0.00	0.00
2,888.0	7.11	344.02	2,876.8	179.7	-51.5	-179.1	0.00	0.00	0.00
2,889.0	7.11	344.02	2,877.8	179.9	-51.5	-179.2	0.00	0.00	0.00
2,890.0	7.11	344.02	2,878.8	180.0	-51.6	-179.3	0.00	0.00	0.00
2,891.0	7.11	344.02	2,879.8	180.1	-51.6	-179.4	0.00	0.00	0.00
2,892.0	7.11	344.02	2,880.8	180.2	-51.6	-179.6	0.00	0.00	0.00
2,893.0	7.11	344.02	2,881.8	180.3	-51.7	-179.7	0.00	0.00	0.00
2,894.0	7.11	344.02	2,882.8	180.5	-51.7	-179.8	0.00	0.00	0.00
2,895.0	7.11	344.02	2,883.8	180.6	-51.7	-179.9	0.00	0.00	0.00
2,896.0	7.11	344.02	2,884.8	180.7	-51.8	-180.0	0.00	0.00	0.00
2,897.0	7.11	344.02	2,885.8	180.8	-51.8	-180.2	0.00	0.00	0.00
2,898.0	7.11	344.02	2,886.8	180.9	-51.8	-180.3	0.00	0.00	0.00
2,899.0	7.11	344.02	2,887.8	181.1	-51.9	-180.4	0.00	0.00	0.00
2,900.0	7.11	344.02	2,888.7	181.2	-51.9	-180.5	0.00	0.00	0.00
2,901.0	7.11	344.02	2,889.7	181.3	-51.9	-180.6	0.00	0.00	0.00
2,902.0	7.11	344.02	2,890.7	181.4	-52.0	-180.7	0.00	0.00	0.00
2,903.0	7.11	344.02	2,891.7	181.5	-52.0	-180.9	0.00	0.00	0.00
2,904.0	7.11	344.02	2,892.7	181.7	-52.0	-181.0	0.00	0.00	0.00
2,905.0	7.11	344.02	2,893.7	181.8	-52.1	-181.1	0.00	0.00	0.00
2,906.0	7.11	344.02	2,894.7	181.9	-52.1	-181.2	0.00	0.00	0.00
2,907.0	7.11	344.02	2,895.7	182.0	-52.1	-181.3	0.00	0.00	0.00
2,908.0	7.11	344.02	2,896.7	182.1	-52.2	-181.5	0.00	0.00	0.00
2,909.0	7.11	344.02	2,897.7	182.2	-52.2	-181.6	0.00	0.00	0.00
2,910.0	7.11	344.02	2,898.7	182.4	-52.2	-181.7	0.00	0.00	0.00
2,911.0	7.11	344.02	2,899.7	182.5	-52.3	-181.8	0.00	0.00	0.00
2,912.0	7.11	344.02	2,900.7	182.6	-52.3	-181.9	0.00	0.00	0.00
2,913.0	7.11	344.02	2,901.6	182.7	-52.3	-182.1	0.00	0.00	0.00
2,914.0	7.11	344.02	2,902.6	182.8	-52.4	-182.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,915.0	7.11	344.02	2,903.6	183.0	-52.4	-182.3	0.00	0.00	0.00
2,916.0	7.11	344.02	2,904.6	183.1	-52.4	-182.4	0.00	0.00	0.00
2,917.0	7.11	344.02	2,905.6	183.2	-52.5	-182.5	0.00	0.00	0.00
2,918.0	7.11	344.02	2,906.6	183.3	-52.5	-182.6	0.00	0.00	0.00
2,919.0	7.11	344.02	2,907.6	183.4	-52.5	-182.8	0.00	0.00	0.00
2,920.0	7.11	344.02	2,908.6	183.6	-52.6	-182.9	0.00	0.00	0.00
2,921.0	7.11	344.02	2,909.6	183.7	-52.6	-183.0	0.00	0.00	0.00
2,922.0	7.11	344.02	2,910.6	183.8	-52.6	-183.1	0.00	0.00	0.00
2,923.0	7.11	344.02	2,911.6	183.9	-52.7	-183.2	0.00	0.00	0.00
2,924.0	7.11	344.02	2,912.6	184.0	-52.7	-183.4	0.00	0.00	0.00
2,925.0	7.11	344.02	2,913.6	184.2	-52.8	-183.5	0.00	0.00	0.00
2,926.0	7.11	344.02	2,914.5	184.3	-52.8	-183.6	0.00	0.00	0.00
2,927.0	7.11	344.02	2,915.5	184.4	-52.8	-183.7	0.00	0.00	0.00
2,928.0	7.11	344.02	2,916.5	184.5	-52.9	-183.8	0.00	0.00	0.00
2,929.0	7.11	344.02	2,917.5	184.6	-52.9	-183.9	0.00	0.00	0.00
2,930.0	7.11	344.02	2,918.5	184.7	-52.9	-184.1	0.00	0.00	0.00
2,931.0	7.11	344.02	2,919.5	184.9	-53.0	-184.2	0.00	0.00	0.00
2,932.0	7.11	344.02	2,920.5	185.0	-53.0	-184.3	0.00	0.00	0.00
2,933.0	7.11	344.02	2,921.5	185.1	-53.0	-184.4	0.00	0.00	0.00
2,934.0	7.11	344.02	2,922.5	185.2	-53.1	-184.5	0.00	0.00	0.00
2,935.0	7.11	344.02	2,923.5	185.3	-53.1	-184.7	0.00	0.00	0.00
2,936.0	7.11	344.02	2,924.5	185.5	-53.1	-184.8	0.00	0.00	0.00
2,937.0	7.11	344.02	2,925.5	185.6	-53.2	-184.9	0.00	0.00	0.00
2,938.0	7.11	344.02	2,926.5	185.7	-53.2	-185.0	0.00	0.00	0.00
2,939.0	7.11	344.02	2,927.4	185.8	-53.2	-185.1	0.00	0.00	0.00
2,940.0	7.11	344.02	2,928.4	185.9	-53.3	-185.3	0.00	0.00	0.00
2,941.0	7.11	344.02	2,929.4	186.1	-53.3	-185.4	0.00	0.00	0.00
2,942.0	7.11	344.02	2,930.4	186.2	-53.3	-185.5	0.00	0.00	0.00
2,943.0	7.11	344.02	2,931.4	186.3	-53.4	-185.6	0.00	0.00	0.00
2,944.0	7.11	344.02	2,932.4	186.4	-53.4	-185.7	0.00	0.00	0.00
2,945.0	7.11	344.02	2,933.4	186.5	-53.4	-185.8	0.00	0.00	0.00
2,946.0	7.11	344.02	2,934.4	186.7	-53.5	-186.0	0.00	0.00	0.00
2,947.0	7.11	344.02	2,935.4	186.8	-53.5	-186.1	0.00	0.00	0.00
2,948.0	7.11	344.02	2,936.4	186.9	-53.5	-186.2	0.00	0.00	0.00
2,949.0	7.11	344.02	2,937.4	187.0	-53.6	-186.3	0.00	0.00	0.00
2,950.0	7.11	344.02	2,938.4	187.1	-53.6	-186.4	0.00	0.00	0.00
2,951.0	7.11	344.02	2,939.4	187.2	-53.6	-186.6	0.00	0.00	0.00
2,952.0	7.11	344.02	2,940.3	187.4	-53.7	-186.7	0.00	0.00	0.00
2,953.0	7.11	344.02	2,941.3	187.5	-53.7	-186.8	0.00	0.00	0.00
2,954.0	7.11	344.02	2,942.3	187.6	-53.7	-186.9	0.00	0.00	0.00
2,955.0	7.11	344.02	2,943.3	187.7	-53.8	-187.0	0.00	0.00	0.00
2,956.0	7.11	344.02	2,944.3	187.8	-53.8	-187.1	0.00	0.00	0.00
2,957.0	7.11	344.02	2,945.3	188.0	-53.8	-187.3	0.00	0.00	0.00
2,958.0	7.11	344.02	2,946.3	188.1	-53.9	-187.4	0.00	0.00	0.00
2,959.0	7.11	344.02	2,947.3	188.2	-53.9	-187.5	0.00	0.00	0.00
2,960.0	7.11	344.02	2,948.3	188.3	-53.9	-187.6	0.00	0.00	0.00
2,961.0	7.11	344.02	2,949.3	188.4	-54.0	-187.7	0.00	0.00	0.00
2,962.0	7.11	344.02	2,950.3	188.6	-54.0	-187.9	0.00	0.00	0.00
2,963.0	7.11	344.02	2,951.3	188.7	-54.0	-188.0	0.00	0.00	0.00
2,964.0	7.11	344.02	2,952.3	188.8	-54.1	-188.1	0.00	0.00	0.00
2,965.0	7.11	344.02	2,953.2	188.9	-54.1	-188.2	0.00	0.00	0.00
2,966.0	7.11	344.02	2,954.2	189.0	-54.1	-188.3	0.00	0.00	0.00
2,967.0	7.11	344.02	2,955.2	189.1	-54.2	-188.5	0.00	0.00	0.00
2,968.0	7.11	344.02	2,956.2	189.3	-54.2	-188.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,969.0	7.11	344.02	2,957.2	189.4	-54.3	-188.7	0.00	0.00	0.00
2,970.0	7.11	344.02	2,958.2	189.5	-54.3	-188.8	0.00	0.00	0.00
2,971.0	7.11	344.02	2,959.2	189.6	-54.3	-188.9	0.00	0.00	0.00
2,972.0	7.11	344.02	2,960.2	189.7	-54.4	-189.0	0.00	0.00	0.00
2,973.0	7.11	344.02	2,961.2	189.9	-54.4	-189.2	0.00	0.00	0.00
2,974.0	7.11	344.02	2,962.2	190.0	-54.4	-189.3	0.00	0.00	0.00
2,975.0	7.11	344.02	2,963.2	190.1	-54.5	-189.4	0.00	0.00	0.00
2,976.0	7.11	344.02	2,964.2	190.2	-54.5	-189.5	0.00	0.00	0.00
2,977.0	7.11	344.02	2,965.2	190.3	-54.5	-189.6	0.00	0.00	0.00
2,978.0	7.11	344.02	2,966.1	190.5	-54.6	-189.8	0.00	0.00	0.00
2,979.0	7.11	344.02	2,967.1	190.6	-54.6	-189.9	0.00	0.00	0.00
2,980.0	7.11	344.02	2,968.1	190.7	-54.6	-190.0	0.00	0.00	0.00
2,981.0	7.11	344.02	2,969.1	190.8	-54.7	-190.1	0.00	0.00	0.00
2,982.0	7.11	344.02	2,970.1	190.9	-54.7	-190.2	0.00	0.00	0.00
2,983.0	7.11	344.02	2,971.1	191.1	-54.7	-190.4	0.00	0.00	0.00
2,984.0	7.11	344.02	2,972.1	191.2	-54.8	-190.5	0.00	0.00	0.00
2,985.0	7.11	344.02	2,973.1	191.3	-54.8	-190.6	0.00	0.00	0.00
2,986.0	7.11	344.02	2,974.1	191.4	-54.8	-190.7	0.00	0.00	0.00
2,987.0	7.11	344.02	2,975.1	191.5	-54.9	-190.8	0.00	0.00	0.00
2,988.0	7.11	344.02	2,976.1	191.6	-54.9	-190.9	0.00	0.00	0.00
2,989.0	7.11	344.02	2,977.1	191.8	-54.9	-191.1	0.00	0.00	0.00
2,990.0	7.11	344.02	2,978.1	191.9	-55.0	-191.2	0.00	0.00	0.00
2,991.0	7.11	344.02	2,979.0	192.0	-55.0	-191.3	0.00	0.00	0.00
2,992.0	7.11	344.02	2,980.0	192.1	-55.0	-191.4	0.00	0.00	0.00
2,993.0	7.11	344.02	2,981.0	192.2	-55.1	-191.5	0.00	0.00	0.00
2,994.0	7.11	344.02	2,982.0	192.4	-55.1	-191.7	0.00	0.00	0.00
2,995.0	7.11	344.02	2,983.0	192.5	-55.1	-191.8	0.00	0.00	0.00
2,996.0	7.11	344.02	2,984.0	192.6	-55.2	-191.9	0.00	0.00	0.00
2,997.0	7.11	344.02	2,985.0	192.7	-55.2	-192.0	0.00	0.00	0.00
2,998.0	7.11	344.02	2,986.0	192.8	-55.2	-192.1	0.00	0.00	0.00
2,999.0	7.11	344.02	2,987.0	193.0	-55.3	-192.2	0.00	0.00	0.00
3,000.0	7.11	344.02	2,988.0	193.1	-55.3	-192.4	0.00	0.00	0.00
3,001.0	7.11	344.02	2,989.0	193.2	-55.3	-192.5	0.00	0.00	0.00
3,002.0	7.11	344.02	2,990.0	193.3	-55.4	-192.6	0.00	0.00	0.00
3,003.0	7.11	344.02	2,991.0	193.4	-55.4	-192.7	0.00	0.00	0.00
3,004.0	7.11	344.02	2,991.9	193.6	-55.4	-192.8	0.00	0.00	0.00
3,005.0	7.11	344.02	2,992.9	193.7	-55.5	-193.0	0.00	0.00	0.00
3,006.0	7.11	344.02	2,993.9	193.8	-55.5	-193.1	0.00	0.00	0.00
3,007.0	7.11	344.02	2,994.9	193.9	-55.5	-193.2	0.00	0.00	0.00
3,008.0	7.11	344.02	2,995.9	194.0	-55.6	-193.3	0.00	0.00	0.00
3,009.0	7.11	344.02	2,996.9	194.1	-55.6	-193.4	0.00	0.00	0.00
3,010.0	7.11	344.02	2,997.9	194.3	-55.6	-193.6	0.00	0.00	0.00
3,011.0	7.11	344.02	2,998.9	194.4	-55.7	-193.7	0.00	0.00	0.00
3,012.0	7.11	344.02	2,999.9	194.5	-55.7	-193.8	0.00	0.00	0.00
3,013.0	7.11	344.02	3,000.9	194.6	-55.8	-193.9	0.00	0.00	0.00
3,014.0	7.11	344.02	3,001.9	194.7	-55.8	-194.0	0.00	0.00	0.00
3,015.0	7.11	344.02	3,002.9	194.9	-55.8	-194.1	0.00	0.00	0.00
3,016.0	7.11	344.02	3,003.9	195.0	-55.9	-194.3	0.00	0.00	0.00
3,017.0	7.11	344.02	3,004.8	195.1	-55.9	-194.4	0.00	0.00	0.00
3,018.0	7.11	344.02	3,005.8	195.2	-55.9	-194.5	0.00	0.00	0.00
3,019.0	7.11	344.02	3,006.8	195.3	-56.0	-194.6	0.00	0.00	0.00
3,020.0	7.11	344.02	3,007.8	195.5	-56.0	-194.7	0.00	0.00	0.00
3,021.0	7.11	344.02	3,008.8	195.6	-56.0	-194.9	0.00	0.00	0.00
3,022.0	7.11	344.02	3,009.8	195.7	-56.1	-195.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,023.0	7.11	344.02	3,010.8	195.8	-56.1	-195.1	0.00	0.00	0.00
3,024.0	7.11	344.02	3,011.8	195.9	-56.1	-195.2	0.00	0.00	0.00
3,025.0	7.11	344.02	3,012.8	196.1	-56.2	-195.3	0.00	0.00	0.00
3,026.0	7.11	344.02	3,013.8	196.2	-56.2	-195.4	0.00	0.00	0.00
3,027.0	7.11	344.02	3,014.8	196.3	-56.2	-195.6	0.00	0.00	0.00
3,028.0	7.11	344.02	3,015.8	196.4	-56.3	-195.7	0.00	0.00	0.00
3,029.0	7.11	344.02	3,016.8	196.5	-56.3	-195.8	0.00	0.00	0.00
3,030.0	7.11	344.02	3,017.7	196.6	-56.3	-195.9	0.00	0.00	0.00
3,031.0	7.11	344.02	3,018.7	196.8	-56.4	-196.0	0.00	0.00	0.00
3,032.0	7.11	344.02	3,019.7	196.9	-56.4	-196.2	0.00	0.00	0.00
3,033.0	7.11	344.02	3,020.7	197.0	-56.4	-196.3	0.00	0.00	0.00
3,034.0	7.11	344.02	3,021.7	197.1	-56.5	-196.4	0.00	0.00	0.00
3,035.0	7.11	344.02	3,022.7	197.2	-56.5	-196.5	0.00	0.00	0.00
3,036.0	7.11	344.02	3,023.7	197.4	-56.5	-196.6	0.00	0.00	0.00
3,037.0	7.11	344.02	3,024.7	197.5	-56.6	-196.8	0.00	0.00	0.00
3,038.0	7.11	344.02	3,025.7	197.6	-56.6	-196.9	0.00	0.00	0.00
3,039.0	7.11	344.02	3,026.7	197.7	-56.6	-197.0	0.00	0.00	0.00
3,040.0	7.11	344.02	3,027.7	197.8	-56.7	-197.1	0.00	0.00	0.00
3,041.0	7.11	344.02	3,028.7	198.0	-56.7	-197.2	0.00	0.00	0.00
3,042.0	7.11	344.02	3,029.7	198.1	-56.7	-197.3	0.00	0.00	0.00
3,043.0	7.11	344.02	3,030.6	198.2	-56.8	-197.5	0.00	0.00	0.00
3,044.0	7.11	344.02	3,031.6	198.3	-56.8	-197.6	0.00	0.00	0.00
3,045.0	7.11	344.02	3,032.6	198.4	-56.8	-197.7	0.00	0.00	0.00
3,046.0	7.11	344.02	3,033.6	198.6	-56.9	-197.8	0.00	0.00	0.00
3,047.0	7.11	344.02	3,034.6	198.7	-56.9	-197.9	0.00	0.00	0.00
3,048.0	7.11	344.02	3,035.6	198.8	-56.9	-198.1	0.00	0.00	0.00
3,049.0	7.11	344.02	3,036.6	198.9	-57.0	-198.2	0.00	0.00	0.00
3,050.0	7.11	344.02	3,037.6	199.0	-57.0	-198.3	0.00	0.00	0.00
3,051.0	7.11	344.02	3,038.6	199.1	-57.0	-198.4	0.00	0.00	0.00
3,052.0	7.11	344.02	3,039.6	199.3	-57.1	-198.5	0.00	0.00	0.00
3,053.0	7.11	344.02	3,040.6	199.4	-57.1	-198.7	0.00	0.00	0.00
3,054.0	7.11	344.02	3,041.6	199.5	-57.1	-198.8	0.00	0.00	0.00
3,055.0	7.11	344.02	3,042.6	199.6	-57.2	-198.9	0.00	0.00	0.00
3,056.0	7.11	344.02	3,043.5	199.7	-57.2	-199.0	0.00	0.00	0.00
3,057.0	7.11	344.02	3,044.5	199.9	-57.3	-199.1	0.00	0.00	0.00
3,058.0	7.11	344.02	3,045.5	200.0	-57.3	-199.2	0.00	0.00	0.00
3,059.0	7.11	344.02	3,046.5	200.1	-57.3	-199.4	0.00	0.00	0.00
3,060.0	7.11	344.02	3,047.5	200.2	-57.4	-199.5	0.00	0.00	0.00
3,061.0	7.11	344.02	3,048.5	200.3	-57.4	-199.6	0.00	0.00	0.00
3,062.0	7.11	344.02	3,049.5	200.5	-57.4	-199.7	0.00	0.00	0.00
3,063.0	7.11	344.02	3,050.5	200.6	-57.5	-199.8	0.00	0.00	0.00
3,064.0	7.11	344.02	3,051.5	200.7	-57.5	-200.0	0.00	0.00	0.00
3,065.0	7.11	344.02	3,052.5	200.8	-57.5	-200.1	0.00	0.00	0.00
3,066.0	7.11	344.02	3,053.5	200.9	-57.6	-200.2	0.00	0.00	0.00
3,067.0	7.11	344.02	3,054.5	201.0	-57.6	-200.3	0.00	0.00	0.00
3,068.0	7.11	344.02	3,055.5	201.2	-57.6	-200.4	0.00	0.00	0.00
3,069.0	7.11	344.02	3,056.4	201.3	-57.7	-200.5	0.00	0.00	0.00
3,070.0	7.11	344.02	3,057.4	201.4	-57.7	-200.7	0.00	0.00	0.00
3,071.0	7.11	344.02	3,058.4	201.5	-57.7	-200.8	0.00	0.00	0.00
3,072.0	7.11	344.02	3,059.4	201.6	-57.8	-200.9	0.00	0.00	0.00
3,073.0	7.11	344.02	3,060.4	201.8	-57.8	-201.0	0.00	0.00	0.00
3,074.0	7.11	344.02	3,061.4	201.9	-57.8	-201.1	0.00	0.00	0.00
3,075.0	7.11	344.02	3,062.4	202.0	-57.9	-201.3	0.00	0.00	0.00
3,076.0	7.11	344.02	3,063.4	202.1	-57.9	-201.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,077.0	7.11	344.02	3,064.4	202.2	-57.9	-201.5	0.00	0.00	0.00
3,078.0	7.11	344.02	3,065.4	202.4	-58.0	-201.6	0.00	0.00	0.00
3,079.0	7.11	344.02	3,066.4	202.5	-58.0	-201.7	0.00	0.00	0.00
3,080.0	7.11	344.02	3,067.4	202.6	-58.0	-201.9	0.00	0.00	0.00
3,081.0	7.11	344.02	3,068.4	202.7	-58.1	-202.0	0.00	0.00	0.00
3,082.0	7.11	344.02	3,069.3	202.8	-58.1	-202.1	0.00	0.00	0.00
3,083.0	7.11	344.02	3,070.3	203.0	-58.1	-202.2	0.00	0.00	0.00
3,084.0	7.11	344.02	3,071.3	203.1	-58.2	-202.3	0.00	0.00	0.00
3,085.0	7.11	344.02	3,072.3	203.2	-58.2	-202.4	0.00	0.00	0.00
3,086.0	7.11	344.02	3,073.3	203.3	-58.2	-202.6	0.00	0.00	0.00
3,087.0	7.11	344.02	3,074.3	203.4	-58.3	-202.7	0.00	0.00	0.00
3,088.0	7.11	344.02	3,075.3	203.5	-58.3	-202.8	0.00	0.00	0.00
3,089.0	7.11	344.02	3,076.3	203.7	-58.3	-202.9	0.00	0.00	0.00
3,090.0	7.11	344.02	3,077.3	203.8	-58.4	-203.0	0.00	0.00	0.00
3,091.0	7.11	344.02	3,078.3	203.9	-58.4	-203.2	0.00	0.00	0.00
3,092.0	7.11	344.02	3,079.3	204.0	-58.4	-203.3	0.00	0.00	0.00
3,093.0	7.11	344.02	3,080.3	204.1	-58.5	-203.4	0.00	0.00	0.00
3,094.0	7.11	344.02	3,081.3	204.3	-58.5	-203.5	0.00	0.00	0.00
3,095.0	7.11	344.02	3,082.2	204.4	-58.5	-203.6	0.00	0.00	0.00
3,096.0	7.11	344.02	3,083.2	204.5	-58.6	-203.7	0.00	0.00	0.00
3,097.0	7.11	344.02	3,084.2	204.6	-58.6	-203.9	0.00	0.00	0.00
3,098.0	7.11	344.02	3,085.2	204.7	-58.6	-204.0	0.00	0.00	0.00
3,099.0	7.11	344.02	3,086.2	204.9	-58.7	-204.1	0.00	0.00	0.00
3,100.0	7.11	344.02	3,087.2	205.0	-58.7	-204.2	0.00	0.00	0.00
3,101.0	7.11	344.02	3,088.2	205.1	-58.8	-204.3	0.00	0.00	0.00
3,102.0	7.11	344.02	3,089.2	205.2	-58.8	-204.5	0.00	0.00	0.00
3,103.0	7.11	344.02	3,090.2	205.3	-58.8	-204.6	0.00	0.00	0.00
3,104.0	7.11	344.02	3,091.2	205.5	-58.9	-204.7	0.00	0.00	0.00
3,105.0	7.11	344.02	3,092.2	205.6	-58.9	-204.8	0.00	0.00	0.00
3,106.0	7.11	344.02	3,093.2	205.7	-58.9	-204.9	0.00	0.00	0.00
3,107.0	7.11	344.02	3,094.2	205.8	-59.0	-205.1	0.00	0.00	0.00
3,108.0	7.11	344.02	3,095.1	205.9	-59.0	-205.2	0.00	0.00	0.00
3,109.0	7.11	344.02	3,096.1	206.0	-59.0	-205.3	0.00	0.00	0.00
3,110.0	7.11	344.02	3,097.1	206.2	-59.1	-205.4	0.00	0.00	0.00
3,111.0	7.11	344.02	3,098.1	206.3	-59.1	-205.5	0.00	0.00	0.00
3,112.0	7.11	344.02	3,099.1	206.4	-59.1	-205.6	0.00	0.00	0.00
3,113.0	7.11	344.02	3,100.1	206.5	-59.2	-205.8	0.00	0.00	0.00
3,114.0	7.11	344.02	3,101.1	206.6	-59.2	-205.9	0.00	0.00	0.00
3,115.0	7.11	344.02	3,102.1	206.8	-59.2	-206.0	0.00	0.00	0.00
3,116.0	7.11	344.02	3,103.1	206.9	-59.3	-206.1	0.00	0.00	0.00
3,117.0	7.11	344.02	3,104.1	207.0	-59.3	-206.2	0.00	0.00	0.00
3,118.0	7.11	344.02	3,105.1	207.1	-59.3	-206.4	0.00	0.00	0.00
3,119.0	7.11	344.02	3,106.1	207.2	-59.4	-206.5	0.00	0.00	0.00
3,120.0	7.11	344.02	3,107.1	207.4	-59.4	-206.6	0.00	0.00	0.00
3,121.0	7.11	344.02	3,108.0	207.5	-59.4	-206.7	0.00	0.00	0.00
3,122.0	7.11	344.02	3,109.0	207.6	-59.5	-206.8	0.00	0.00	0.00
3,123.0	7.11	344.02	3,110.0	207.7	-59.5	-207.0	0.00	0.00	0.00
3,124.0	7.11	344.02	3,111.0	207.8	-59.5	-207.1	0.00	0.00	0.00
3,125.0	7.11	344.02	3,112.0	208.0	-59.6	-207.2	0.00	0.00	0.00
3,126.0	7.11	344.02	3,113.0	208.1	-59.6	-207.3	0.00	0.00	0.00
3,127.0	7.11	344.02	3,114.0	208.2	-59.6	-207.4	0.00	0.00	0.00
3,128.0	7.11	344.02	3,115.0	208.3	-59.7	-207.5	0.00	0.00	0.00
3,129.0	7.11	344.02	3,116.0	208.4	-59.7	-207.7	0.00	0.00	0.00
3,130.0	7.11	344.02	3,117.0	208.5	-59.7	-207.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,131.0	7.11	344.02	3,118.0	208.7	-59.8	-207.9	0.00	0.00	0.00
3,132.0	7.11	344.02	3,119.0	208.8	-59.8	-208.0	0.00	0.00	0.00
3,133.0	7.11	344.02	3,120.0	208.9	-59.8	-208.1	0.00	0.00	0.00
3,134.0	7.11	344.02	3,120.9	209.0	-59.9	-208.3	0.00	0.00	0.00
3,135.0	7.11	344.02	3,121.9	209.1	-59.9	-208.4	0.00	0.00	0.00
3,136.0	7.11	344.02	3,122.9	209.3	-59.9	-208.5	0.00	0.00	0.00
3,137.0	7.11	344.02	3,123.9	209.4	-60.0	-208.6	0.00	0.00	0.00
3,138.0	7.11	344.02	3,124.9	209.5	-60.0	-208.7	0.00	0.00	0.00
3,139.0	7.11	344.02	3,125.9	209.6	-60.0	-208.8	0.00	0.00	0.00
3,140.0	7.11	344.02	3,126.9	209.7	-60.1	-209.0	0.00	0.00	0.00
3,141.0	7.11	344.02	3,127.9	209.9	-60.1	-209.1	0.00	0.00	0.00
3,142.0	7.11	344.02	3,128.9	210.0	-60.1	-209.2	0.00	0.00	0.00
3,143.0	7.11	344.02	3,129.9	210.1	-60.2	-209.3	0.00	0.00	0.00
3,144.0	7.11	344.02	3,130.9	210.2	-60.2	-209.4	0.00	0.00	0.00
3,145.0	7.11	344.02	3,131.9	210.3	-60.3	-209.6	0.00	0.00	0.00
3,146.0	7.11	344.02	3,132.9	210.5	-60.3	-209.7	0.00	0.00	0.00
3,147.0	7.11	344.02	3,133.8	210.6	-60.3	-209.8	0.00	0.00	0.00
3,148.0	7.11	344.02	3,134.8	210.7	-60.4	-209.9	0.00	0.00	0.00
3,149.0	7.11	344.02	3,135.8	210.8	-60.4	-210.0	0.00	0.00	0.00
3,150.0	7.11	344.02	3,136.8	210.9	-60.4	-210.2	0.00	0.00	0.00
3,151.0	7.11	344.02	3,137.8	211.0	-60.5	-210.3	0.00	0.00	0.00
3,152.0	7.11	344.02	3,138.8	211.2	-60.5	-210.4	0.00	0.00	0.00
3,153.0	7.11	344.02	3,139.8	211.3	-60.5	-210.5	0.00	0.00	0.00
3,154.0	7.11	344.02	3,140.8	211.4	-60.6	-210.6	0.00	0.00	0.00
3,155.0	7.11	344.02	3,141.8	211.5	-60.6	-210.7	0.00	0.00	0.00
3,156.0	7.11	344.02	3,142.8	211.6	-60.6	-210.9	0.00	0.00	0.00
3,157.0	7.11	344.02	3,143.8	211.8	-60.7	-211.0	0.00	0.00	0.00
3,158.0	7.11	344.02	3,144.8	211.9	-60.7	-211.1	0.00	0.00	0.00
3,159.0	7.11	344.02	3,145.8	212.0	-60.7	-211.2	0.00	0.00	0.00
3,160.0	7.11	344.02	3,146.7	212.1	-60.8	-211.3	0.00	0.00	0.00
3,161.0	7.11	344.02	3,147.7	212.2	-60.8	-211.5	0.00	0.00	0.00
3,162.0	7.11	344.02	3,148.7	212.4	-60.8	-211.6	0.00	0.00	0.00
3,163.0	7.11	344.02	3,149.7	212.5	-60.9	-211.7	0.00	0.00	0.00
3,164.0	7.11	344.02	3,150.7	212.6	-60.9	-211.8	0.00	0.00	0.00
3,165.0	7.11	344.02	3,151.7	212.7	-60.9	-211.9	0.00	0.00	0.00
3,166.0	7.11	344.02	3,152.7	212.8	-61.0	-212.0	0.00	0.00	0.00
3,167.0	7.11	344.02	3,153.7	213.0	-61.0	-212.2	0.00	0.00	0.00
3,168.0	7.11	344.02	3,154.7	213.1	-61.0	-212.3	0.00	0.00	0.00
3,169.0	7.11	344.02	3,155.7	213.2	-61.1	-212.4	0.00	0.00	0.00
3,170.0	7.11	344.02	3,156.7	213.3	-61.1	-212.5	0.00	0.00	0.00
3,171.0	7.11	344.02	3,157.7	213.4	-61.1	-212.6	0.00	0.00	0.00
3,172.0	7.11	344.02	3,158.7	213.5	-61.2	-212.8	0.00	0.00	0.00
3,173.0	7.11	344.02	3,159.6	213.7	-61.2	-212.9	0.00	0.00	0.00
3,174.0	7.11	344.02	3,160.6	213.8	-61.2	-213.0	0.00	0.00	0.00
3,175.0	7.11	344.02	3,161.6	213.9	-61.3	-213.1	0.00	0.00	0.00
3,176.0	7.11	344.02	3,162.6	214.0	-61.3	-213.2	0.00	0.00	0.00
3,177.0	7.11	344.02	3,163.6	214.1	-61.3	-213.4	0.00	0.00	0.00
3,178.0	7.11	344.02	3,164.6	214.3	-61.4	-213.5	0.00	0.00	0.00
3,179.0	7.11	344.02	3,165.6	214.4	-61.4	-213.6	0.00	0.00	0.00
3,180.0	7.11	344.02	3,166.6	214.5	-61.4	-213.7	0.00	0.00	0.00
3,181.0	7.11	344.02	3,167.6	214.6	-61.5	-213.8	0.00	0.00	0.00
3,182.0	7.11	344.02	3,168.6	214.7	-61.5	-213.9	0.00	0.00	0.00
3,183.0	7.11	344.02	3,169.6	214.9	-61.5	-214.1	0.00	0.00	0.00
3,184.0	7.11	344.02	3,170.6	215.0	-61.6	-214.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,185.0	7.11	344.02	3,171.6	215.1	-61.6	-214.3	0.00	0.00	0.00
3,186.0	7.11	344.02	3,172.5	215.2	-61.6	-214.4	0.00	0.00	0.00
3,187.0	7.11	344.02	3,173.5	215.3	-61.7	-214.5	0.00	0.00	0.00
3,188.0	7.11	344.02	3,174.5	215.4	-61.7	-214.7	0.00	0.00	0.00
3,189.0	7.11	344.02	3,175.5	215.6	-61.8	-214.8	0.00	0.00	0.00
3,190.0	7.11	344.02	3,176.5	215.7	-61.8	-214.9	0.00	0.00	0.00
3,191.0	7.11	344.02	3,177.5	215.8	-61.8	-215.0	0.00	0.00	0.00
3,192.0	7.11	344.02	3,178.5	215.9	-61.9	-215.1	0.00	0.00	0.00
3,193.0	7.11	344.02	3,179.5	216.0	-61.9	-215.2	0.00	0.00	0.00
3,194.0	7.11	344.02	3,180.5	216.2	-61.9	-215.4	0.00	0.00	0.00
3,195.0	7.11	344.02	3,181.5	216.3	-62.0	-215.5	0.00	0.00	0.00
3,196.0	7.11	344.02	3,182.5	216.4	-62.0	-215.6	0.00	0.00	0.00
3,197.0	7.11	344.02	3,183.5	216.5	-62.0	-215.7	0.00	0.00	0.00
3,198.0	7.11	344.02	3,184.5	216.6	-62.1	-215.8	0.00	0.00	0.00
3,199.0	7.11	344.02	3,185.4	216.8	-62.1	-216.0	0.00	0.00	0.00
3,200.0	7.11	344.02	3,186.4	216.9	-62.1	-216.1	0.00	0.00	0.00
3,201.0	7.11	344.02	3,187.4	217.0	-62.2	-216.2	0.00	0.00	0.00
3,202.0	7.11	344.02	3,188.4	217.1	-62.2	-216.3	0.00	0.00	0.00
3,203.0	7.11	344.02	3,189.4	217.2	-62.2	-216.4	0.00	0.00	0.00
3,204.0	7.11	344.02	3,190.4	217.4	-62.3	-216.6	0.00	0.00	0.00
3,205.0	7.11	344.02	3,191.4	217.5	-62.3	-216.7	0.00	0.00	0.00
3,206.0	7.11	344.02	3,192.4	217.6	-62.3	-216.8	0.00	0.00	0.00
3,207.0	7.11	344.02	3,193.4	217.7	-62.4	-216.9	0.00	0.00	0.00
3,208.0	7.11	344.02	3,194.4	217.8	-62.4	-217.0	0.00	0.00	0.00
3,209.0	7.11	344.02	3,195.4	217.9	-62.4	-217.1	0.00	0.00	0.00
3,210.0	7.11	344.02	3,196.4	218.1	-62.5	-217.3	0.00	0.00	0.00
3,211.0	7.11	344.02	3,197.4	218.2	-62.5	-217.4	0.00	0.00	0.00
3,212.0	7.11	344.02	3,198.3	218.3	-62.5	-217.5	0.00	0.00	0.00
3,213.0	7.11	344.02	3,199.3	218.4	-62.6	-217.6	0.00	0.00	0.00
3,214.0	7.11	344.02	3,200.3	218.5	-62.6	-217.7	0.00	0.00	0.00
3,215.0	7.11	344.02	3,201.3	218.7	-62.6	-217.9	0.00	0.00	0.00
3,216.0	7.11	344.02	3,202.3	218.8	-62.7	-218.0	0.00	0.00	0.00
3,217.0	7.11	344.02	3,203.3	218.9	-62.7	-218.1	0.00	0.00	0.00
3,218.0	7.11	344.02	3,204.3	219.0	-62.7	-218.2	0.00	0.00	0.00
3,219.0	7.11	344.02	3,205.3	219.1	-62.8	-218.3	0.00	0.00	0.00
3,220.0	7.11	344.02	3,206.3	219.3	-62.8	-218.5	0.00	0.00	0.00
3,221.0	7.11	344.02	3,207.3	219.4	-62.8	-218.6	0.00	0.00	0.00
3,222.0	7.11	344.02	3,208.3	219.5	-62.9	-218.7	0.00	0.00	0.00
3,223.0	7.11	344.02	3,209.3	219.6	-62.9	-218.8	0.00	0.00	0.00
3,224.0	7.11	344.02	3,210.3	219.7	-62.9	-218.9	0.00	0.00	0.00
3,225.0	7.11	344.02	3,211.2	219.9	-63.0	-219.0	0.00	0.00	0.00
3,226.0	7.11	344.02	3,212.2	220.0	-63.0	-219.2	0.00	0.00	0.00
3,227.0	7.11	344.02	3,213.2	220.1	-63.0	-219.3	0.00	0.00	0.00
3,228.0	7.11	344.02	3,214.2	220.2	-63.1	-219.4	0.00	0.00	0.00
3,229.0	7.11	344.02	3,215.2	220.3	-63.1	-219.5	0.00	0.00	0.00
3,230.0	7.11	344.02	3,216.2	220.4	-63.1	-219.6	0.00	0.00	0.00
3,231.0	7.11	344.02	3,217.2	220.6	-63.2	-219.8	0.00	0.00	0.00
3,232.0	7.11	344.02	3,218.2	220.7	-63.2	-219.9	0.00	0.00	0.00
3,233.0	7.11	344.02	3,219.2	220.8	-63.3	-220.0	0.00	0.00	0.00
3,234.0	7.11	344.02	3,220.2	220.9	-63.3	-220.1	0.00	0.00	0.00
3,235.0	7.11	344.02	3,221.2	221.0	-63.3	-220.2	0.00	0.00	0.00
3,236.0	7.11	344.02	3,222.2	221.2	-63.4	-220.3	0.00	0.00	0.00
3,237.0	7.11	344.02	3,223.2	221.3	-63.4	-220.5	0.00	0.00	0.00
3,238.0	7.11	344.02	3,224.1	221.4	-63.4	-220.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,239.0	7.11	344.02	3,225.1	221.5	-63.5	-220.7	0.00	0.00	0.00
3,240.0	7.11	344.02	3,226.1	221.6	-63.5	-220.8	0.00	0.00	0.00
3,241.0	7.11	344.02	3,227.1	221.8	-63.5	-220.9	0.00	0.00	0.00
3,242.0	7.11	344.02	3,228.1	221.9	-63.6	-221.1	0.00	0.00	0.00
3,243.0	7.11	344.02	3,229.1	222.0	-63.6	-221.2	0.00	0.00	0.00
3,244.0	7.11	344.02	3,230.1	222.1	-63.6	-221.3	0.00	0.00	0.00
3,245.0	7.11	344.02	3,231.1	222.2	-63.7	-221.4	0.00	0.00	0.00
3,246.0	7.11	344.02	3,232.1	222.4	-63.7	-221.5	0.00	0.00	0.00
3,247.0	7.11	344.02	3,233.1	222.5	-63.7	-221.7	0.00	0.00	0.00
3,248.0	7.11	344.02	3,234.1	222.6	-63.8	-221.8	0.00	0.00	0.00
3,249.0	7.11	344.02	3,235.1	222.7	-63.8	-221.9	0.00	0.00	0.00
3,250.0	7.11	344.02	3,236.1	222.8	-63.8	-222.0	0.00	0.00	0.00
3,251.0	7.11	344.02	3,237.0	222.9	-63.9	-222.1	0.00	0.00	0.00
3,252.0	7.11	344.02	3,238.0	223.1	-63.9	-222.2	0.00	0.00	0.00
3,253.0	7.11	344.02	3,239.0	223.2	-63.9	-222.4	0.00	0.00	0.00
3,254.0	7.11	344.02	3,240.0	223.3	-64.0	-222.5	0.00	0.00	0.00
3,255.0	7.11	344.02	3,241.0	223.4	-64.0	-222.6	0.00	0.00	0.00
3,256.0	7.11	344.02	3,242.0	223.5	-64.0	-222.7	0.00	0.00	0.00
3,257.0	7.11	344.02	3,243.0	223.7	-64.1	-222.8	0.00	0.00	0.00
3,258.0	7.11	344.02	3,244.0	223.8	-64.1	-223.0	0.00	0.00	0.00
3,259.0	7.11	344.02	3,245.0	223.9	-64.1	-223.1	0.00	0.00	0.00
3,260.0	7.11	344.02	3,246.0	224.0	-64.2	-223.2	0.00	0.00	0.00
3,261.0	7.11	344.02	3,247.0	224.1	-64.2	-223.3	0.00	0.00	0.00
3,262.0	7.11	344.02	3,248.0	224.3	-64.2	-223.4	0.00	0.00	0.00
3,263.0	7.11	344.02	3,249.0	224.4	-64.3	-223.5	0.00	0.00	0.00
3,264.0	7.11	344.02	3,249.9	224.5	-64.3	-223.7	0.00	0.00	0.00
3,265.0	7.11	344.02	3,250.9	224.6	-64.3	-223.8	0.00	0.00	0.00
3,266.0	7.11	344.02	3,251.9	224.7	-64.4	-223.9	0.00	0.00	0.00
3,267.0	7.11	344.02	3,252.9	224.9	-64.4	-224.0	0.00	0.00	0.00
3,268.0	7.11	344.02	3,253.9	225.0	-64.4	-224.1	0.00	0.00	0.00
3,269.0	7.11	344.02	3,254.9	225.1	-64.5	-224.3	0.00	0.00	0.00
3,270.0	7.11	344.02	3,255.9	225.2	-64.5	-224.4	0.00	0.00	0.00
3,271.0	7.11	344.02	3,256.9	225.3	-64.5	-224.5	0.00	0.00	0.00
3,272.0	7.11	344.02	3,257.9	225.4	-64.6	-224.6	0.00	0.00	0.00
3,273.0	7.11	344.02	3,258.9	225.6	-64.6	-224.7	0.00	0.00	0.00
3,274.0	7.11	344.02	3,259.9	225.7	-64.6	-224.9	0.00	0.00	0.00
3,275.0	7.11	344.02	3,260.9	225.8	-64.7	-225.0	0.00	0.00	0.00
3,276.0	7.11	344.02	3,261.9	225.9	-64.7	-225.1	0.00	0.00	0.00
3,277.0	7.11	344.02	3,262.8	226.0	-64.8	-225.2	0.00	0.00	0.00
3,278.0	7.11	344.02	3,263.8	226.2	-64.8	-225.3	0.00	0.00	0.00
3,279.0	7.11	344.02	3,264.8	226.3	-64.8	-225.4	0.00	0.00	0.00
3,280.0	7.11	344.02	3,265.8	226.4	-64.9	-225.6	0.00	0.00	0.00
3,281.0	7.11	344.02	3,266.8	226.5	-64.9	-225.7	0.00	0.00	0.00
3,282.0	7.11	344.02	3,267.8	226.6	-64.9	-225.8	0.00	0.00	0.00
3,283.0	7.11	344.02	3,268.8	226.8	-65.0	-225.9	0.00	0.00	0.00
3,284.0	7.11	344.02	3,269.8	226.9	-65.0	-226.0	0.00	0.00	0.00
3,285.0	7.11	344.02	3,270.8	227.0	-65.0	-226.2	0.00	0.00	0.00
3,286.0	7.11	344.02	3,271.8	227.1	-65.1	-226.3	0.00	0.00	0.00
3,287.0	7.11	344.02	3,272.8	227.2	-65.1	-226.4	0.00	0.00	0.00
3,288.0	7.11	344.02	3,273.8	227.3	-65.1	-226.5	0.00	0.00	0.00
3,289.0	7.11	344.02	3,274.8	227.5	-65.2	-226.6	0.00	0.00	0.00
3,290.0	7.11	344.02	3,275.7	227.6	-65.2	-226.8	0.00	0.00	0.00
3,291.0	7.11	344.02	3,276.7	227.7	-65.2	-226.9	0.00	0.00	0.00
3,292.0	7.11	344.02	3,277.7	227.8	-65.3	-227.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,293.0	7.11	344.02	3,278.7	227.9	-65.3	-227.1	0.00	0.00	0.00
3,294.0	7.11	344.02	3,279.7	228.1	-65.3	-227.2	0.00	0.00	0.00
3,295.0	7.11	344.02	3,280.7	228.2	-65.4	-227.3	0.00	0.00	0.00
3,296.0	7.11	344.02	3,281.7	228.3	-65.4	-227.5	0.00	0.00	0.00
3,297.0	7.11	344.02	3,282.7	228.4	-65.4	-227.6	0.00	0.00	0.00
3,298.0	7.11	344.02	3,283.7	228.5	-65.5	-227.7	0.00	0.00	0.00
3,299.0	7.11	344.02	3,284.7	228.7	-65.5	-227.8	0.00	0.00	0.00
3,300.0	7.11	344.02	3,285.7	228.8	-65.5	-227.9	0.00	0.00	0.00
3,301.0	7.11	344.02	3,286.7	228.9	-65.6	-228.1	0.00	0.00	0.00
3,302.0	7.11	344.02	3,287.7	229.0	-65.6	-228.2	0.00	0.00	0.00
3,303.0	7.11	344.02	3,288.6	229.1	-65.6	-228.3	0.00	0.00	0.00
3,304.0	7.11	344.02	3,289.6	229.3	-65.7	-228.4	0.00	0.00	0.00
3,305.0	7.11	344.02	3,290.6	229.4	-65.7	-228.5	0.00	0.00	0.00
3,306.0	7.11	344.02	3,291.6	229.5	-65.7	-228.6	0.00	0.00	0.00
3,307.0	7.11	344.02	3,292.6	229.6	-65.8	-228.8	0.00	0.00	0.00
3,308.0	7.11	344.02	3,293.6	229.7	-65.8	-228.9	0.00	0.00	0.00
3,309.0	7.11	344.02	3,294.6	229.8	-65.8	-229.0	0.00	0.00	0.00
3,310.0	7.11	344.02	3,295.6	230.0	-65.9	-229.1	0.00	0.00	0.00
3,311.0	7.11	344.02	3,296.6	230.1	-65.9	-229.2	0.00	0.00	0.00
3,312.0	7.11	344.02	3,297.6	230.2	-65.9	-229.4	0.00	0.00	0.00
3,313.0	7.11	344.02	3,298.6	230.3	-66.0	-229.5	0.00	0.00	0.00
3,314.0	7.11	344.02	3,299.6	230.4	-66.0	-229.6	0.00	0.00	0.00
3,315.0	7.11	344.02	3,300.6	230.6	-66.0	-229.7	0.00	0.00	0.00
3,316.0	7.11	344.02	3,301.5	230.7	-66.1	-229.8	0.00	0.00	0.00
3,317.0	7.11	344.02	3,302.5	230.8	-66.1	-230.0	0.00	0.00	0.00
3,318.0	7.11	344.02	3,303.5	230.9	-66.1	-230.1	0.00	0.00	0.00
3,319.0	7.11	344.02	3,304.5	231.0	-66.2	-230.2	0.00	0.00	0.00
3,320.0	7.11	344.02	3,305.5	231.2	-66.2	-230.3	0.00	0.00	0.00
3,321.0	7.11	344.02	3,306.5	231.3	-66.3	-230.4	0.00	0.00	0.00
3,322.0	7.11	344.02	3,307.5	231.4	-66.3	-230.5	0.00	0.00	0.00
3,323.0	7.11	344.02	3,308.5	231.5	-66.3	-230.7	0.00	0.00	0.00
3,324.0	7.11	344.02	3,309.5	231.6	-66.4	-230.8	0.00	0.00	0.00
3,325.0	7.11	344.02	3,310.5	231.8	-66.4	-230.9	0.00	0.00	0.00
3,326.0	7.11	344.02	3,311.5	231.9	-66.4	-231.0	0.00	0.00	0.00
3,327.0	7.11	344.02	3,312.5	232.0	-66.5	-231.1	0.00	0.00	0.00
3,328.0	7.11	344.02	3,313.5	232.1	-66.5	-231.3	0.00	0.00	0.00
3,329.0	7.11	344.02	3,314.4	232.2	-66.5	-231.4	0.00	0.00	0.00
3,330.0	7.11	344.02	3,315.4	232.3	-66.6	-231.5	0.00	0.00	0.00
3,331.0	7.11	344.02	3,316.4	232.5	-66.6	-231.6	0.00	0.00	0.00
3,332.0	7.11	344.02	3,317.4	232.6	-66.6	-231.7	0.00	0.00	0.00
3,333.0	7.11	344.02	3,318.4	232.7	-66.7	-231.8	0.00	0.00	0.00
3,334.0	7.11	344.02	3,319.4	232.8	-66.7	-232.0	0.00	0.00	0.00
3,335.0	7.11	344.02	3,320.4	232.9	-66.7	-232.1	0.00	0.00	0.00
3,336.0	7.11	344.02	3,321.4	233.1	-66.8	-232.2	0.00	0.00	0.00
3,337.0	7.11	344.02	3,322.4	233.2	-66.8	-232.3	0.00	0.00	0.00
3,338.0	7.11	344.02	3,323.4	233.3	-66.8	-232.4	0.00	0.00	0.00
3,339.0	7.11	344.02	3,324.4	233.4	-66.9	-232.6	0.00	0.00	0.00
3,340.0	7.11	344.02	3,325.4	233.5	-66.9	-232.7	0.00	0.00	0.00
3,341.0	7.11	344.02	3,326.4	233.7	-66.9	-232.8	0.00	0.00	0.00
3,342.0	7.11	344.02	3,327.3	233.8	-67.0	-232.9	0.00	0.00	0.00
3,343.0	7.11	344.02	3,328.3	233.9	-67.0	-233.0	0.00	0.00	0.00
3,344.0	7.11	344.02	3,329.3	234.0	-67.0	-233.2	0.00	0.00	0.00
3,345.0	7.11	344.02	3,330.3	234.1	-67.1	-233.3	0.00	0.00	0.00
3,346.0	7.11	344.02	3,331.3	234.3	-67.1	-233.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,347.0	7.11	344.02	3,332.3	234.4	-67.1	-233.5	0.00	0.00	0.00
3,348.0	7.11	344.02	3,333.3	234.5	-67.2	-233.6	0.00	0.00	0.00
3,349.0	7.11	344.02	3,334.3	234.6	-67.2	-233.7	0.00	0.00	0.00
3,350.0	7.11	344.02	3,335.3	234.7	-67.2	-233.9	0.00	0.00	0.00
3,351.0	7.11	344.02	3,336.3	234.8	-67.3	-234.0	0.00	0.00	0.00
3,352.0	7.11	344.02	3,337.3	235.0	-67.3	-234.1	0.00	0.00	0.00
3,353.0	7.11	344.02	3,338.3	235.1	-67.3	-234.2	0.00	0.00	0.00
3,354.0	7.11	344.02	3,339.3	235.2	-67.4	-234.3	0.00	0.00	0.00
3,355.0	7.11	344.02	3,340.2	235.3	-67.4	-234.5	0.00	0.00	0.00
3,356.0	7.11	344.02	3,341.2	235.4	-67.4	-234.6	0.00	0.00	0.00
3,357.0	7.11	344.02	3,342.2	235.6	-67.5	-234.7	0.00	0.00	0.00
3,358.0	7.11	344.02	3,343.2	235.7	-67.5	-234.8	0.00	0.00	0.00
3,359.0	7.11	344.02	3,344.2	235.8	-67.5	-234.9	0.00	0.00	0.00
3,360.0	7.11	344.02	3,345.2	235.9	-67.6	-235.0	0.00	0.00	0.00
3,361.0	7.11	344.02	3,346.2	236.0	-67.6	-235.2	0.00	0.00	0.00
3,362.0	7.11	344.02	3,347.2	236.2	-67.6	-235.3	0.00	0.00	0.00
3,363.0	7.11	344.02	3,348.2	236.3	-67.7	-235.4	0.00	0.00	0.00
3,364.0	7.11	344.02	3,349.2	236.4	-67.7	-235.5	0.00	0.00	0.00
3,365.0	7.11	344.02	3,350.2	236.5	-67.8	-235.6	0.00	0.00	0.00
3,366.0	7.11	344.02	3,351.2	236.6	-67.8	-235.8	0.00	0.00	0.00
3,367.0	7.11	344.02	3,352.2	236.8	-67.8	-235.9	0.00	0.00	0.00
3,368.0	7.11	344.02	3,353.1	236.9	-67.9	-236.0	0.00	0.00	0.00
3,369.0	7.11	344.02	3,354.1	237.0	-67.9	-236.1	0.00	0.00	0.00
3,370.0	7.11	344.02	3,355.1	237.1	-67.9	-236.2	0.00	0.00	0.00
3,371.0	7.11	344.02	3,356.1	237.2	-68.0	-236.4	0.00	0.00	0.00
3,372.0	7.11	344.02	3,357.1	237.3	-68.0	-236.5	0.00	0.00	0.00
3,373.0	7.11	344.02	3,358.1	237.5	-68.0	-236.6	0.00	0.00	0.00
3,374.0	7.11	344.02	3,359.1	237.6	-68.1	-236.7	0.00	0.00	0.00
3,375.0	7.11	344.02	3,360.1	237.7	-68.1	-236.8	0.00	0.00	0.00
3,376.0	7.11	344.02	3,361.1	237.8	-68.1	-236.9	0.00	0.00	0.00
3,377.0	7.11	344.02	3,362.1	237.9	-68.2	-237.1	0.00	0.00	0.00
3,378.0	7.11	344.02	3,363.1	238.1	-68.2	-237.2	0.00	0.00	0.00
3,379.0	7.11	344.02	3,364.1	238.2	-68.2	-237.3	0.00	0.00	0.00
3,380.0	7.11	344.02	3,365.1	238.3	-68.3	-237.4	0.00	0.00	0.00
3,381.0	7.11	344.02	3,366.0	238.4	-68.3	-237.5	0.00	0.00	0.00
3,382.0	7.11	344.02	3,367.0	238.5	-68.3	-237.7	0.00	0.00	0.00
3,383.0	7.11	344.02	3,368.0	238.7	-68.4	-237.8	0.00	0.00	0.00
3,384.0	7.11	344.02	3,369.0	238.8	-68.4	-237.9	0.00	0.00	0.00
3,385.0	7.11	344.02	3,370.0	238.9	-68.4	-238.0	0.00	0.00	0.00
3,386.0	7.11	344.02	3,371.0	239.0	-68.5	-238.1	0.00	0.00	0.00
3,387.0	7.11	344.02	3,372.0	239.1	-68.5	-238.3	0.00	0.00	0.00
3,388.0	7.11	344.02	3,373.0	239.2	-68.5	-238.4	0.00	0.00	0.00
3,389.0	7.11	344.02	3,374.0	239.4	-68.6	-238.5	0.00	0.00	0.00
3,390.0	7.11	344.02	3,375.0	239.5	-68.6	-238.6	0.00	0.00	0.00
3,391.0	7.11	344.02	3,376.0	239.6	-68.6	-238.7	0.00	0.00	0.00
3,392.0	7.11	344.02	3,377.0	239.7	-68.7	-238.8	0.00	0.00	0.00
3,393.0	7.11	344.02	3,378.0	239.8	-68.7	-239.0	0.00	0.00	0.00
3,394.0	7.11	344.02	3,378.9	240.0	-68.7	-239.1	0.00	0.00	0.00
3,395.0	7.11	344.02	3,379.9	240.1	-68.8	-239.2	0.00	0.00	0.00
3,396.0	7.11	344.02	3,380.9	240.2	-68.8	-239.3	0.00	0.00	0.00
3,397.0	7.11	344.02	3,381.9	240.3	-68.8	-239.4	0.00	0.00	0.00
3,398.0	7.11	344.02	3,382.9	240.4	-68.9	-239.6	0.00	0.00	0.00
3,399.0	7.11	344.02	3,383.9	240.6	-68.9	-239.7	0.00	0.00	0.00
3,400.0	7.11	344.02	3,384.9	240.7	-68.9	-239.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,401.0	7.11	344.02	3,385.9	240.8	-69.0	-239.9	0.00	0.00	0.00
3,402.0	7.11	344.02	3,386.9	240.9	-69.0	-240.0	0.00	0.00	0.00
3,403.0	7.11	344.02	3,387.9	241.0	-69.0	-240.1	0.00	0.00	0.00
3,404.0	7.11	344.02	3,388.9	241.2	-69.1	-240.3	0.00	0.00	0.00
3,405.0	7.11	344.02	3,389.9	241.3	-69.1	-240.4	0.00	0.00	0.00
3,406.0	7.11	344.02	3,390.9	241.4	-69.1	-240.5	0.00	0.00	0.00
3,407.0	7.11	344.02	3,391.8	241.5	-69.2	-240.6	0.00	0.00	0.00
3,408.0	7.11	344.02	3,392.8	241.6	-69.2	-240.7	0.00	0.00	0.00
3,409.0	7.11	344.02	3,393.8	241.7	-69.3	-240.9	0.00	0.00	0.00
3,410.0	7.11	344.02	3,394.8	241.9	-69.3	-241.0	0.00	0.00	0.00
3,411.0	7.11	344.02	3,395.8	242.0	-69.3	-241.1	0.00	0.00	0.00
3,412.0	7.11	344.02	3,396.8	242.1	-69.4	-241.2	0.00	0.00	0.00
3,413.0	7.11	344.02	3,397.8	242.2	-69.4	-241.3	0.00	0.00	0.00
3,414.0	7.11	344.02	3,398.8	242.3	-69.4	-241.5	0.00	0.00	0.00
3,415.0	7.11	344.02	3,399.8	242.5	-69.5	-241.6	0.00	0.00	0.00
3,416.0	7.11	344.02	3,400.8	242.6	-69.5	-241.7	0.00	0.00	0.00
3,417.0	7.11	344.02	3,401.8	242.7	-69.5	-241.8	0.00	0.00	0.00
3,418.0	7.11	344.02	3,402.8	242.8	-69.6	-241.9	0.00	0.00	0.00
3,419.0	7.11	344.02	3,403.8	242.9	-69.6	-242.0	0.00	0.00	0.00
3,420.0	7.11	344.02	3,404.7	243.1	-69.6	-242.2	0.00	0.00	0.00
3,421.0	7.11	344.02	3,405.7	243.2	-69.7	-242.3	0.00	0.00	0.00
3,422.0	7.11	344.02	3,406.7	243.3	-69.7	-242.4	0.00	0.00	0.00
3,423.0	7.11	344.02	3,407.7	243.4	-69.7	-242.5	0.00	0.00	0.00
3,424.0	7.11	344.02	3,408.7	243.5	-69.8	-242.6	0.00	0.00	0.00
3,425.0	7.11	344.02	3,409.7	243.7	-69.8	-242.8	0.00	0.00	0.00
3,426.0	7.11	344.02	3,410.7	243.8	-69.8	-242.9	0.00	0.00	0.00
3,427.0	7.11	344.02	3,411.7	243.9	-69.9	-243.0	0.00	0.00	0.00
3,428.0	7.11	344.02	3,412.7	244.0	-69.9	-243.1	0.00	0.00	0.00
3,429.0	7.11	344.02	3,413.7	244.1	-69.9	-243.2	0.00	0.00	0.00
3,430.0	7.11	344.02	3,414.7	244.2	-70.0	-243.3	0.00	0.00	0.00
3,431.0	7.11	344.02	3,415.7	244.4	-70.0	-243.5	0.00	0.00	0.00
3,432.0	7.11	344.02	3,416.7	244.5	-70.0	-243.6	0.00	0.00	0.00
3,433.0	7.11	344.02	3,417.6	244.6	-70.1	-243.7	0.00	0.00	0.00
3,434.0	7.11	344.02	3,418.6	244.7	-70.1	-243.8	0.00	0.00	0.00
3,435.0	7.11	344.02	3,419.6	244.8	-70.1	-243.9	0.00	0.00	0.00
3,436.0	7.11	344.02	3,420.6	245.0	-70.2	-244.1	0.00	0.00	0.00
3,437.0	7.11	344.02	3,421.6	245.1	-70.2	-244.2	0.00	0.00	0.00
3,438.0	7.11	344.02	3,422.6	245.2	-70.2	-244.3	0.00	0.00	0.00
3,439.0	7.11	344.02	3,423.6	245.3	-70.3	-244.4	0.00	0.00	0.00
3,440.0	7.11	344.02	3,424.6	245.4	-70.3	-244.5	0.00	0.00	0.00
3,441.0	7.11	344.02	3,425.6	245.6	-70.3	-244.7	0.00	0.00	0.00
3,442.0	7.11	344.02	3,426.6	245.7	-70.4	-244.8	0.00	0.00	0.00
3,443.0	7.11	344.02	3,427.6	245.8	-70.4	-244.9	0.00	0.00	0.00
3,444.0	7.11	344.02	3,428.6	245.9	-70.4	-245.0	0.00	0.00	0.00
3,445.0	7.11	344.02	3,429.6	246.0	-70.5	-245.1	0.00	0.00	0.00
3,446.0	7.11	344.02	3,430.5	246.2	-70.5	-245.2	0.00	0.00	0.00
3,447.0	7.11	344.02	3,431.5	246.3	-70.5	-245.4	0.00	0.00	0.00
3,448.0	7.11	344.02	3,432.5	246.4	-70.6	-245.5	0.00	0.00	0.00
3,449.0	7.11	344.02	3,433.5	246.5	-70.6	-245.6	0.00	0.00	0.00
3,450.0	7.11	344.02	3,434.5	246.6	-70.6	-245.7	0.00	0.00	0.00
3,451.0	7.11	344.02	3,435.5	246.7	-70.7	-245.8	0.00	0.00	0.00
3,452.0	7.11	344.02	3,436.5	246.9	-70.7	-246.0	0.00	0.00	0.00
3,453.0	7.11	344.02	3,437.5	247.0	-70.8	-246.1	0.00	0.00	0.00
3,454.0	7.11	344.02	3,438.5	247.1	-70.8	-246.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,455.0	7.11	344.02	3,439.5	247.2	-70.8	-246.3	0.00	0.00	0.00
3,456.0	7.11	344.02	3,440.5	247.3	-70.9	-246.4	0.00	0.00	0.00
3,457.0	7.11	344.02	3,441.5	247.5	-70.9	-246.6	0.00	0.00	0.00
3,458.0	7.11	344.02	3,442.5	247.6	-70.9	-246.7	0.00	0.00	0.00
3,459.0	7.11	344.02	3,443.4	247.7	-71.0	-246.8	0.00	0.00	0.00
3,460.0	7.11	344.02	3,444.4	247.8	-71.0	-246.9	0.00	0.00	0.00
3,461.0	7.11	344.02	3,445.4	247.9	-71.0	-247.0	0.00	0.00	0.00
3,462.0	7.11	344.02	3,446.4	248.1	-71.1	-247.1	0.00	0.00	0.00
3,463.0	7.11	344.02	3,447.4	248.2	-71.1	-247.3	0.00	0.00	0.00
3,464.0	7.11	344.02	3,448.4	248.3	-71.1	-247.4	0.00	0.00	0.00
3,465.0	7.11	344.02	3,449.4	248.4	-71.2	-247.5	0.00	0.00	0.00
3,466.0	7.11	344.02	3,450.4	248.5	-71.2	-247.6	0.00	0.00	0.00
3,467.0	7.11	344.02	3,451.4	248.7	-71.2	-247.7	0.00	0.00	0.00
3,468.0	7.11	344.02	3,452.4	248.8	-71.3	-247.9	0.00	0.00	0.00
3,469.0	7.11	344.02	3,453.4	248.9	-71.3	-248.0	0.00	0.00	0.00
3,470.0	7.11	344.02	3,454.4	249.0	-71.3	-248.1	0.00	0.00	0.00
3,471.0	7.11	344.02	3,455.4	249.1	-71.4	-248.2	0.00	0.00	0.00
3,472.0	7.11	344.02	3,456.3	249.2	-71.4	-248.3	0.00	0.00	0.00
3,473.0	7.11	344.02	3,457.3	249.4	-71.4	-248.4	0.00	0.00	0.00
3,474.0	7.11	344.02	3,458.3	249.5	-71.5	-248.6	0.00	0.00	0.00
3,475.0	7.11	344.02	3,459.3	249.6	-71.5	-248.7	0.00	0.00	0.00
3,476.0	7.11	344.02	3,460.3	249.7	-71.5	-248.8	0.00	0.00	0.00
3,477.0	7.11	344.02	3,461.3	249.8	-71.6	-248.9	0.00	0.00	0.00
3,478.0	7.11	344.02	3,462.3	250.0	-71.6	-249.0	0.00	0.00	0.00
3,479.0	7.11	344.02	3,463.3	250.1	-71.6	-249.2	0.00	0.00	0.00
3,480.0	7.11	344.02	3,464.3	250.2	-71.7	-249.3	0.00	0.00	0.00
3,481.0	7.11	344.02	3,465.3	250.3	-71.7	-249.4	0.00	0.00	0.00
3,482.0	7.11	344.02	3,466.3	250.4	-71.7	-249.5	0.00	0.00	0.00
3,483.0	7.11	344.02	3,467.3	250.6	-71.8	-249.6	0.00	0.00	0.00
3,484.0	7.11	344.02	3,468.3	250.7	-71.8	-249.8	0.00	0.00	0.00
3,485.0	7.11	344.02	3,469.2	250.8	-71.8	-249.9	0.00	0.00	0.00
3,486.0	7.11	344.02	3,470.2	250.9	-71.9	-250.0	0.00	0.00	0.00
3,487.0	7.11	344.02	3,471.2	251.0	-71.9	-250.1	0.00	0.00	0.00
3,488.0	7.11	344.02	3,472.2	251.2	-71.9	-250.2	0.00	0.00	0.00
3,489.0	7.11	344.02	3,473.2	251.3	-72.0	-250.3	0.00	0.00	0.00
3,490.0	7.11	344.02	3,474.2	251.4	-72.0	-250.5	0.00	0.00	0.00
3,491.0	7.11	344.02	3,475.2	251.5	-72.0	-250.6	0.00	0.00	0.00
3,492.0	7.11	344.02	3,476.2	251.6	-72.1	-250.7	0.00	0.00	0.00
3,493.0	7.11	344.02	3,477.2	251.7	-72.1	-250.8	0.00	0.00	0.00
3,494.0	7.11	344.02	3,478.2	251.9	-72.1	-250.9	0.00	0.00	0.00
3,495.0	7.11	344.02	3,479.2	252.0	-72.2	-251.1	0.00	0.00	0.00
3,496.0	7.11	344.02	3,480.2	252.1	-72.2	-251.2	0.00	0.00	0.00
3,497.0	7.11	344.02	3,481.2	252.2	-72.3	-251.3	0.00	0.00	0.00
3,498.0	7.11	344.02	3,482.1	252.3	-72.3	-251.4	0.00	0.00	0.00
3,499.0	7.11	344.02	3,483.1	252.5	-72.3	-251.5	0.00	0.00	0.00
3,500.0	7.11	344.02	3,484.1	252.6	-72.4	-251.6	0.00	0.00	0.00
3,501.0	7.11	344.02	3,485.1	252.7	-72.4	-251.8	0.00	0.00	0.00
3,502.0	7.11	344.02	3,486.1	252.8	-72.4	-251.9	0.00	0.00	0.00
3,503.0	7.11	344.02	3,487.1	252.9	-72.5	-252.0	0.00	0.00	0.00
3,504.0	7.11	344.02	3,488.1	253.1	-72.5	-252.1	0.00	0.00	0.00
3,505.0	7.11	344.02	3,489.1	253.2	-72.5	-252.2	0.00	0.00	0.00
3,506.0	7.11	344.02	3,490.1	253.3	-72.6	-252.4	0.00	0.00	0.00
3,507.0	7.11	344.02	3,491.1	253.4	-72.6	-252.5	0.00	0.00	0.00
3,508.0	7.11	344.02	3,492.1	253.5	-72.6	-252.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,509.0	7.11	344.02	3,493.1	253.6	-72.7	-252.7	0.00	0.00	0.00
3,510.0	7.11	344.02	3,494.1	253.8	-72.7	-252.8	0.00	0.00	0.00
3,511.0	7.11	344.02	3,495.0	253.9	-72.7	-253.0	0.00	0.00	0.00
3,512.0	7.11	344.02	3,496.0	254.0	-72.8	-253.1	0.00	0.00	0.00
3,513.0	7.11	344.02	3,497.0	254.1	-72.8	-253.2	0.00	0.00	0.00
3,514.0	7.11	344.02	3,498.0	254.2	-72.8	-253.3	0.00	0.00	0.00
3,515.0	7.11	344.02	3,499.0	254.4	-72.9	-253.4	0.00	0.00	0.00
3,516.0	7.11	344.02	3,500.0	254.5	-72.9	-253.5	0.00	0.00	0.00
3,517.0	7.11	344.02	3,501.0	254.6	-72.9	-253.7	0.00	0.00	0.00
3,518.0	7.11	344.02	3,502.0	254.7	-73.0	-253.8	0.00	0.00	0.00
3,519.0	7.11	344.02	3,503.0	254.8	-73.0	-253.9	0.00	0.00	0.00
3,520.0	7.11	344.02	3,504.0	255.0	-73.0	-254.0	0.00	0.00	0.00
3,521.0	7.11	344.02	3,505.0	255.1	-73.1	-254.1	0.00	0.00	0.00
3,522.0	7.11	344.02	3,506.0	255.2	-73.1	-254.3	0.00	0.00	0.00
3,523.0	7.11	344.02	3,507.0	255.3	-73.1	-254.4	0.00	0.00	0.00
3,524.0	7.11	344.02	3,507.9	255.4	-73.2	-254.5	0.00	0.00	0.00
3,525.0	7.11	344.02	3,508.9	255.6	-73.2	-254.6	0.00	0.00	0.00
3,526.0	7.11	344.02	3,509.9	255.7	-73.2	-254.7	0.00	0.00	0.00
3,527.0	7.11	344.02	3,510.9	255.8	-73.3	-254.9	0.00	0.00	0.00
3,528.0	7.11	344.02	3,511.9	255.9	-73.3	-255.0	0.00	0.00	0.00
3,529.0	7.11	344.02	3,512.9	256.0	-73.3	-255.1	0.00	0.00	0.00
3,530.0	7.11	344.02	3,513.9	256.1	-73.4	-255.2	0.00	0.00	0.00
3,531.0	7.11	344.02	3,514.9	256.3	-73.4	-255.3	0.00	0.00	0.00
3,532.0	7.11	344.02	3,515.9	256.4	-73.4	-255.4	0.00	0.00	0.00
3,533.0	7.11	344.02	3,516.9	256.5	-73.5	-255.6	0.00	0.00	0.00
3,534.0	7.11	344.02	3,517.9	256.6	-73.5	-255.7	0.00	0.00	0.00
3,535.0	7.11	344.02	3,518.9	256.7	-73.5	-255.8	0.00	0.00	0.00
3,536.0	7.11	344.02	3,519.9	256.9	-73.6	-255.9	0.00	0.00	0.00
3,537.0	7.11	344.02	3,520.8	257.0	-73.6	-256.0	0.00	0.00	0.00
3,538.0	7.11	344.02	3,521.8	257.1	-73.6	-256.2	0.00	0.00	0.00
3,539.0	7.11	344.02	3,522.8	257.2	-73.7	-256.3	0.00	0.00	0.00
3,540.0	7.11	344.02	3,523.8	257.3	-73.7	-256.4	0.00	0.00	0.00
3,541.0	7.11	344.02	3,524.8	257.5	-73.8	-256.5	0.00	0.00	0.00
3,542.0	7.11	344.02	3,525.8	257.6	-73.8	-256.6	0.00	0.00	0.00
3,543.0	7.11	344.02	3,526.8	257.7	-73.8	-256.7	0.00	0.00	0.00
3,544.0	7.11	344.02	3,527.8	257.8	-73.9	-256.9	0.00	0.00	0.00
3,545.0	7.11	344.02	3,528.8	257.9	-73.9	-257.0	0.00	0.00	0.00
3,546.0	7.11	344.02	3,529.8	258.1	-73.9	-257.1	0.00	0.00	0.00
3,547.0	7.11	344.02	3,530.8	258.2	-74.0	-257.2	0.00	0.00	0.00
3,548.0	7.11	344.02	3,531.8	258.3	-74.0	-257.3	0.00	0.00	0.00
3,549.0	7.11	344.02	3,532.8	258.4	-74.0	-257.5	0.00	0.00	0.00
3,550.0	7.11	344.02	3,533.7	258.5	-74.1	-257.6	0.00	0.00	0.00
3,551.0	7.11	344.02	3,534.7	258.6	-74.1	-257.7	0.00	0.00	0.00
3,552.0	7.11	344.02	3,535.7	258.8	-74.1	-257.8	0.00	0.00	0.00
3,553.0	7.11	344.02	3,536.7	258.9	-74.2	-257.9	0.00	0.00	0.00
3,554.0	7.11	344.02	3,537.7	259.0	-74.2	-258.1	0.00	0.00	0.00
3,555.0	7.11	344.02	3,538.7	259.1	-74.2	-258.2	0.00	0.00	0.00
3,556.0	7.11	344.02	3,539.7	259.2	-74.3	-258.3	0.00	0.00	0.00
3,557.0	7.11	344.02	3,540.7	259.4	-74.3	-258.4	0.00	0.00	0.00
3,558.0	7.11	344.02	3,541.7	259.5	-74.3	-258.5	0.00	0.00	0.00
3,559.0	7.11	344.02	3,542.7	259.6	-74.4	-258.6	0.00	0.00	0.00
3,560.0	7.11	344.02	3,543.7	259.7	-74.4	-258.8	0.00	0.00	0.00
3,561.0	7.11	344.02	3,544.7	259.8	-74.4	-258.9	0.00	0.00	0.00
3,562.0	7.11	344.02	3,545.7	260.0	-74.5	-259.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,563.0	7.11	344.02	3,546.6	260.1	-74.5	-259.1	0.00	0.00	0.00
3,564.0	7.11	344.02	3,547.6	260.2	-74.5	-259.2	0.00	0.00	0.00
3,565.0	7.11	344.02	3,548.6	260.3	-74.6	-259.4	0.00	0.00	0.00
3,566.0	7.11	344.02	3,549.6	260.4	-74.6	-259.5	0.00	0.00	0.00
3,567.0	7.11	344.02	3,550.6	260.6	-74.6	-259.6	0.00	0.00	0.00
3,568.0	7.11	344.02	3,551.6	260.7	-74.7	-259.7	0.00	0.00	0.00
3,569.0	7.11	344.02	3,552.6	260.8	-74.7	-259.8	0.00	0.00	0.00
3,570.0	7.11	344.02	3,553.6	260.9	-74.7	-259.9	0.00	0.00	0.00
3,571.0	7.11	344.02	3,554.6	261.0	-74.8	-260.1	0.00	0.00	0.00
3,572.0	7.11	344.02	3,555.6	261.1	-74.8	-260.2	0.00	0.00	0.00
3,573.0	7.11	344.02	3,556.6	261.3	-74.8	-260.3	0.00	0.00	0.00
3,574.0	7.11	344.02	3,557.6	261.4	-74.9	-260.4	0.00	0.00	0.00
3,575.0	7.11	344.02	3,558.6	261.5	-74.9	-260.5	0.00	0.00	0.00
3,576.0	7.11	344.02	3,559.5	261.6	-74.9	-260.7	0.00	0.00	0.00
3,577.0	7.11	344.02	3,560.5	261.7	-75.0	-260.8	0.00	0.00	0.00
3,578.0	7.11	344.02	3,561.5	261.9	-75.0	-260.9	0.00	0.00	0.00
3,579.0	7.11	344.02	3,562.5	262.0	-75.0	-261.0	0.00	0.00	0.00
3,580.0	7.11	344.02	3,563.5	262.1	-75.1	-261.1	0.00	0.00	0.00
3,581.0	7.11	344.02	3,564.5	262.2	-75.1	-261.3	0.00	0.00	0.00
3,582.0	7.11	344.02	3,565.5	262.3	-75.1	-261.4	0.00	0.00	0.00
3,583.0	7.11	344.02	3,566.5	262.5	-75.2	-261.5	0.00	0.00	0.00
3,584.0	7.11	344.02	3,567.5	262.6	-75.2	-261.6	0.00	0.00	0.00
3,585.0	7.11	344.02	3,568.5	262.7	-75.3	-261.7	0.00	0.00	0.00
3,586.0	7.11	344.02	3,569.5	262.8	-75.3	-261.8	0.00	0.00	0.00
3,587.0	7.11	344.02	3,570.5	262.9	-75.3	-262.0	0.00	0.00	0.00
3,588.0	7.11	344.02	3,571.5	263.1	-75.4	-262.1	0.00	0.00	0.00
3,589.0	7.11	344.02	3,572.4	263.2	-75.4	-262.2	0.00	0.00	0.00
3,590.0	7.11	344.02	3,573.4	263.3	-75.4	-262.3	0.00	0.00	0.00
3,591.0	7.11	344.02	3,574.4	263.4	-75.5	-262.4	0.00	0.00	0.00
3,592.0	7.11	344.02	3,575.4	263.5	-75.5	-262.6	0.00	0.00	0.00
3,593.0	7.11	344.02	3,576.4	263.6	-75.5	-262.7	0.00	0.00	0.00
3,594.0	7.11	344.02	3,577.4	263.8	-75.6	-262.8	0.00	0.00	0.00
3,595.0	7.11	344.02	3,578.4	263.9	-75.6	-262.9	0.00	0.00	0.00
3,596.0	7.11	344.02	3,579.4	264.0	-75.6	-263.0	0.00	0.00	0.00
3,597.0	7.11	344.02	3,580.4	264.1	-75.7	-263.1	0.00	0.00	0.00
3,598.0	7.11	344.02	3,581.4	264.2	-75.7	-263.3	0.00	0.00	0.00
3,599.0	7.11	344.02	3,582.4	264.4	-75.7	-263.4	0.00	0.00	0.00
3,600.0	7.11	344.02	3,583.4	264.5	-75.8	-263.5	0.00	0.00	0.00
3,601.0	7.11	344.02	3,584.4	264.6	-75.8	-263.6	0.00	0.00	0.00
3,602.0	7.11	344.02	3,585.3	264.7	-75.8	-263.7	0.00	0.00	0.00
3,603.0	7.11	344.02	3,586.3	264.8	-75.9	-263.9	0.00	0.00	0.00
3,604.0	7.11	344.02	3,587.3	265.0	-75.9	-264.0	0.00	0.00	0.00
3,605.0	7.11	344.02	3,588.3	265.1	-75.9	-264.1	0.00	0.00	0.00
3,606.0	7.11	344.02	3,589.3	265.2	-76.0	-264.2	0.00	0.00	0.00
3,607.0	7.11	344.02	3,590.3	265.3	-76.0	-264.3	0.00	0.00	0.00
3,608.0	7.11	344.02	3,591.3	265.4	-76.0	-264.5	0.00	0.00	0.00
3,609.0	7.11	344.02	3,592.3	265.5	-76.1	-264.6	0.00	0.00	0.00
3,610.0	7.11	344.02	3,593.3	265.7	-76.1	-264.7	0.00	0.00	0.00
3,611.0	7.11	344.02	3,594.3	265.8	-76.1	-264.8	0.00	0.00	0.00
3,612.0	7.11	344.02	3,595.3	265.9	-76.2	-264.9	0.00	0.00	0.00
3,613.0	7.11	344.02	3,596.3	266.0	-76.2	-265.0	0.00	0.00	0.00
3,614.0	7.11	344.02	3,597.3	266.1	-76.2	-265.2	0.00	0.00	0.00
3,615.0	7.11	344.02	3,598.2	266.3	-76.3	-265.3	0.00	0.00	0.00
3,616.0	7.11	344.02	3,599.2	266.4	-76.3	-265.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,617.0	7.11	344.02	3,600.2	266.5	-76.3	-265.5	0.00	0.00	0.00
3,618.0	7.11	344.02	3,601.2	266.6	-76.4	-265.6	0.00	0.00	0.00
3,619.0	7.11	344.02	3,602.2	266.7	-76.4	-265.8	0.00	0.00	0.00
3,620.0	7.11	344.02	3,603.2	266.9	-76.4	-265.9	0.00	0.00	0.00
3,621.0	7.11	344.02	3,604.2	267.0	-76.5	-266.0	0.00	0.00	0.00
3,622.0	7.11	344.02	3,605.2	267.1	-76.5	-266.1	0.00	0.00	0.00
3,623.0	7.11	344.02	3,606.2	267.2	-76.5	-266.2	0.00	0.00	0.00
3,624.0	7.11	344.02	3,607.2	267.3	-76.6	-266.4	0.00	0.00	0.00
3,625.0	7.11	344.02	3,608.2	267.5	-76.6	-266.5	0.00	0.00	0.00
3,626.0	7.11	344.02	3,609.2	267.6	-76.6	-266.6	0.00	0.00	0.00
3,627.0	7.11	344.02	3,610.2	267.7	-76.7	-266.7	0.00	0.00	0.00
3,628.0	7.11	344.02	3,611.1	267.8	-76.7	-266.8	0.00	0.00	0.00
3,629.0	7.11	344.02	3,612.1	267.9	-76.8	-266.9	0.00	0.00	0.00
3,630.0	7.11	344.02	3,613.1	268.0	-76.8	-267.1	0.00	0.00	0.00
3,631.0	7.11	344.02	3,614.1	268.2	-76.8	-267.2	0.00	0.00	0.00
3,632.0	7.11	344.02	3,615.1	268.3	-76.9	-267.3	0.00	0.00	0.00
3,633.0	7.11	344.02	3,616.1	268.4	-76.9	-267.4	0.00	0.00	0.00
3,634.0	7.11	344.02	3,617.1	268.5	-76.9	-267.5	0.00	0.00	0.00
3,635.0	7.11	344.02	3,618.1	268.6	-77.0	-267.7	0.00	0.00	0.00
3,636.0	7.11	344.02	3,619.1	268.8	-77.0	-267.8	0.00	0.00	0.00
3,637.0	7.11	344.02	3,620.1	268.9	-77.0	-267.9	0.00	0.00	0.00
3,638.0	7.11	344.02	3,621.1	269.0	-77.1	-268.0	0.00	0.00	0.00
3,639.0	7.11	344.02	3,622.1	269.1	-77.1	-268.1	0.00	0.00	0.00
3,640.0	7.11	344.02	3,623.1	269.2	-77.1	-268.2	0.00	0.00	0.00
3,641.0	7.11	344.02	3,624.0	269.4	-77.2	-268.4	0.00	0.00	0.00
3,642.0	7.11	344.02	3,625.0	269.5	-77.2	-268.5	0.00	0.00	0.00
3,643.0	7.11	344.02	3,626.0	269.6	-77.2	-268.6	0.00	0.00	0.00
3,644.0	7.11	344.02	3,627.0	269.7	-77.3	-268.7	0.00	0.00	0.00
3,645.0	7.11	344.02	3,628.0	269.8	-77.3	-268.8	0.00	0.00	0.00
3,646.0	7.11	344.02	3,629.0	270.0	-77.3	-269.0	0.00	0.00	0.00
3,647.0	7.11	344.02	3,630.0	270.1	-77.4	-269.1	0.00	0.00	0.00
3,648.0	7.11	344.02	3,631.0	270.2	-77.4	-269.2	0.00	0.00	0.00
3,649.0	7.11	344.02	3,632.0	270.3	-77.4	-269.3	0.00	0.00	0.00
3,650.0	7.11	344.02	3,633.0	270.4	-77.5	-269.4	0.00	0.00	0.00
3,651.0	7.11	344.02	3,634.0	270.5	-77.5	-269.6	0.00	0.00	0.00
3,652.0	7.11	344.02	3,635.0	270.7	-77.5	-269.7	0.00	0.00	0.00
3,653.0	7.11	344.02	3,636.0	270.8	-77.6	-269.8	0.00	0.00	0.00
3,654.0	7.11	344.02	3,636.9	270.9	-77.6	-269.9	0.00	0.00	0.00
3,655.0	7.11	344.02	3,637.9	271.0	-77.6	-270.0	0.00	0.00	0.00
3,656.0	7.11	344.02	3,638.9	271.1	-77.7	-270.1	0.00	0.00	0.00
3,657.0	7.11	344.02	3,639.9	271.3	-77.7	-270.3	0.00	0.00	0.00
3,658.0	7.11	344.02	3,640.9	271.4	-77.7	-270.4	0.00	0.00	0.00
3,659.0	7.11	344.02	3,641.9	271.5	-77.8	-270.5	0.00	0.00	0.00
3,660.0	7.11	344.02	3,642.9	271.6	-77.8	-270.6	0.00	0.00	0.00
3,661.0	7.11	344.02	3,643.9	271.7	-77.8	-270.7	0.00	0.00	0.00
3,662.0	7.11	344.02	3,644.9	271.9	-77.9	-270.9	0.00	0.00	0.00
3,663.0	7.11	344.02	3,645.9	272.0	-77.9	-271.0	0.00	0.00	0.00
3,664.0	7.11	344.02	3,646.9	272.1	-77.9	-271.1	0.00	0.00	0.00
3,665.0	7.11	344.02	3,647.9	272.2	-78.0	-271.2	0.00	0.00	0.00
3,666.0	7.11	344.02	3,648.9	272.3	-78.0	-271.3	0.00	0.00	0.00
3,667.0	7.11	344.02	3,649.8	272.5	-78.0	-271.4	0.00	0.00	0.00
3,668.0	7.11	344.02	3,650.8	272.6	-78.1	-271.6	0.00	0.00	0.00
3,669.0	7.11	344.02	3,651.8	272.7	-78.1	-271.7	0.00	0.00	0.00
3,670.0	7.11	344.02	3,652.8	272.8	-78.1	-271.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,671.0	7.11	344.02	3,653.8	272.9	-78.2	-271.9	0.00	0.00	0.00
3,672.0	7.11	344.02	3,654.8	273.0	-78.2	-272.0	0.00	0.00	0.00
3,673.0	7.11	344.02	3,655.8	273.2	-78.3	-272.2	0.00	0.00	0.00
3,674.0	7.11	344.02	3,656.8	273.3	-78.3	-272.3	0.00	0.00	0.00
3,675.0	7.11	344.02	3,657.8	273.4	-78.3	-272.4	0.00	0.00	0.00
3,676.0	7.11	344.02	3,658.8	273.5	-78.4	-272.5	0.00	0.00	0.00
3,677.0	7.11	344.02	3,659.8	273.6	-78.4	-272.6	0.00	0.00	0.00
3,678.0	7.11	344.02	3,660.8	273.8	-78.4	-272.8	0.00	0.00	0.00
3,679.0	7.11	344.02	3,661.8	273.9	-78.5	-272.9	0.00	0.00	0.00
3,680.0	7.11	344.02	3,662.7	274.0	-78.5	-273.0	0.00	0.00	0.00
3,681.0	7.11	344.02	3,663.7	274.1	-78.5	-273.1	0.00	0.00	0.00
3,682.0	7.11	344.02	3,664.7	274.2	-78.6	-273.2	0.00	0.00	0.00
3,683.0	7.11	344.02	3,665.7	274.4	-78.6	-273.3	0.00	0.00	0.00
3,684.0	7.11	344.02	3,666.7	274.5	-78.6	-273.5	0.00	0.00	0.00
3,685.0	7.11	344.02	3,667.7	274.6	-78.7	-273.6	0.00	0.00	0.00
3,686.0	7.11	344.02	3,668.7	274.7	-78.7	-273.7	0.00	0.00	0.00
3,687.0	7.11	344.02	3,669.7	274.8	-78.7	-273.8	0.00	0.00	0.00
3,688.0	7.11	344.02	3,670.7	275.0	-78.8	-273.9	0.00	0.00	0.00
3,689.0	7.11	344.02	3,671.7	275.1	-78.8	-274.1	0.00	0.00	0.00
3,690.0	7.11	344.02	3,672.7	275.2	-78.8	-274.2	0.00	0.00	0.00
3,691.0	7.11	344.02	3,673.7	275.3	-78.9	-274.3	0.00	0.00	0.00
3,692.0	7.11	344.02	3,674.7	275.4	-78.9	-274.4	0.00	0.00	0.00
3,693.0	7.11	344.02	3,675.6	275.5	-78.9	-274.5	0.00	0.00	0.00
3,694.0	7.11	344.02	3,676.6	275.7	-79.0	-274.7	0.00	0.00	0.00
3,695.0	7.11	344.02	3,677.6	275.8	-79.0	-274.8	0.00	0.00	0.00
3,696.0	7.11	344.02	3,678.6	275.9	-79.0	-274.9	0.00	0.00	0.00
3,697.0	7.11	344.02	3,679.6	276.0	-79.1	-275.0	0.00	0.00	0.00
3,698.0	7.11	344.02	3,680.6	276.1	-79.1	-275.1	0.00	0.00	0.00
3,699.0	7.11	344.02	3,681.6	276.3	-79.1	-275.2	0.00	0.00	0.00
3,700.0	7.11	344.02	3,682.6	276.4	-79.2	-275.4	0.00	0.00	0.00
3,701.0	7.11	344.02	3,683.6	276.5	-79.2	-275.5	0.00	0.00	0.00
3,702.0	7.11	344.02	3,684.6	276.6	-79.2	-275.6	0.00	0.00	0.00
3,703.0	7.11	344.02	3,685.6	276.7	-79.3	-275.7	0.00	0.00	0.00
3,704.0	7.11	344.02	3,686.6	276.9	-79.3	-275.8	0.00	0.00	0.00
3,705.0	7.11	344.02	3,687.6	277.0	-79.3	-276.0	0.00	0.00	0.00
3,706.0	7.11	344.02	3,688.5	277.1	-79.4	-276.1	0.00	0.00	0.00
3,707.0	7.11	344.02	3,689.5	277.2	-79.4	-276.2	0.00	0.00	0.00
3,708.0	7.11	344.02	3,690.5	277.3	-79.4	-276.3	0.00	0.00	0.00
3,709.0	7.11	344.02	3,691.5	277.4	-79.5	-276.4	0.00	0.00	0.00
3,710.0	7.11	344.02	3,692.5	277.6	-79.5	-276.5	0.00	0.00	0.00
3,711.0	7.11	344.02	3,693.5	277.7	-79.5	-276.7	0.00	0.00	0.00
3,712.0	7.11	344.02	3,694.5	277.8	-79.6	-276.8	0.00	0.00	0.00
3,713.0	7.11	344.02	3,695.5	277.9	-79.6	-276.9	0.00	0.00	0.00
3,714.0	7.11	344.02	3,696.5	278.0	-79.6	-277.0	0.00	0.00	0.00
3,715.0	7.11	344.02	3,697.5	278.2	-79.7	-277.1	0.00	0.00	0.00
3,716.0	7.11	344.02	3,698.5	278.3	-79.7	-277.3	0.00	0.00	0.00
3,717.0	7.11	344.02	3,699.5	278.4	-79.8	-277.4	0.00	0.00	0.00
3,718.0	7.11	344.02	3,700.5	278.5	-79.8	-277.5	0.00	0.00	0.00
3,719.0	7.11	344.02	3,701.4	278.6	-79.8	-277.6	0.00	0.00	0.00
3,720.0	7.11	344.02	3,702.4	278.8	-79.9	-277.7	0.00	0.00	0.00
3,721.0	7.11	344.02	3,703.4	278.9	-79.9	-277.9	0.00	0.00	0.00
3,722.0	7.11	344.02	3,704.4	279.0	-79.9	-278.0	0.00	0.00	0.00
3,723.0	7.11	344.02	3,705.4	279.1	-80.0	-278.1	0.00	0.00	0.00
3,724.0	7.11	344.02	3,706.4	279.2	-80.0	-278.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,725.0	7.11	344.02	3,707.4	279.4	-80.0	-278.3	0.00	0.00	0.00
3,726.0	7.11	344.02	3,708.4	279.5	-80.1	-278.4	0.00	0.00	0.00
3,727.0	7.11	344.02	3,709.4	279.6	-80.1	-278.6	0.00	0.00	0.00
3,728.0	7.11	344.02	3,710.4	279.7	-80.1	-278.7	0.00	0.00	0.00
3,729.0	7.11	344.02	3,711.4	279.8	-80.2	-278.8	0.00	0.00	0.00
3,730.0	7.11	344.02	3,712.4	279.9	-80.2	-278.9	0.00	0.00	0.00
3,731.0	7.11	344.02	3,713.4	280.1	-80.2	-279.0	0.00	0.00	0.00
3,732.0	7.11	344.02	3,714.3	280.2	-80.3	-279.2	0.00	0.00	0.00
3,733.0	7.11	344.02	3,715.3	280.3	-80.3	-279.3	0.00	0.00	0.00
3,734.0	7.11	344.02	3,716.3	280.4	-80.3	-279.4	0.00	0.00	0.00
3,735.0	7.11	344.02	3,717.3	280.5	-80.4	-279.5	0.00	0.00	0.00
3,736.0	7.11	344.02	3,718.3	280.7	-80.4	-279.6	0.00	0.00	0.00
3,737.0	7.11	344.02	3,719.3	280.8	-80.4	-279.7	0.00	0.00	0.00
3,738.0	7.11	344.02	3,720.3	280.9	-80.5	-279.9	0.00	0.00	0.00
3,739.0	7.11	344.02	3,721.3	281.0	-80.5	-280.0	0.00	0.00	0.00
3,740.0	7.11	344.02	3,722.3	281.1	-80.5	-280.1	0.00	0.00	0.00
3,741.0	7.11	344.02	3,723.3	281.3	-80.6	-280.2	0.00	0.00	0.00
3,742.0	7.11	344.02	3,724.3	281.4	-80.6	-280.3	0.00	0.00	0.00
3,743.0	7.11	344.02	3,725.3	281.5	-80.6	-280.5	0.00	0.00	0.00
3,744.0	7.11	344.02	3,726.3	281.6	-80.7	-280.6	0.00	0.00	0.00
3,745.0	7.11	344.02	3,727.2	281.7	-80.7	-280.7	0.00	0.00	0.00
3,746.0	7.11	344.02	3,728.2	281.9	-80.7	-280.8	0.00	0.00	0.00
3,747.0	7.11	344.02	3,729.2	282.0	-80.8	-280.9	0.00	0.00	0.00
3,748.0	7.11	344.02	3,730.2	282.1	-80.8	-281.1	0.00	0.00	0.00
3,749.0	7.11	344.02	3,731.2	282.2	-80.8	-281.2	0.00	0.00	0.00
3,750.0	7.11	344.02	3,732.2	282.3	-80.9	-281.3	0.00	0.00	0.00
3,751.0	7.11	344.02	3,733.2	282.4	-80.9	-281.4	0.00	0.00	0.00
3,752.0	7.11	344.02	3,734.2	282.6	-80.9	-281.5	0.00	0.00	0.00
3,753.0	7.11	344.02	3,735.2	282.7	-81.0	-281.6	0.00	0.00	0.00
3,754.0	7.11	344.02	3,736.2	282.8	-81.0	-281.8	0.00	0.00	0.00
3,755.0	7.11	344.02	3,737.2	282.9	-81.0	-281.9	0.00	0.00	0.00
3,756.0	7.11	344.02	3,738.2	283.0	-81.1	-282.0	0.00	0.00	0.00
3,757.0	7.11	344.02	3,739.2	283.2	-81.1	-282.1	0.00	0.00	0.00
3,758.0	7.11	344.02	3,740.1	283.3	-81.1	-282.2	0.00	0.00	0.00
3,759.0	7.11	344.02	3,741.1	283.4	-81.2	-282.4	0.00	0.00	0.00
3,760.0	7.11	344.02	3,742.1	283.5	-81.2	-282.5	0.00	0.00	0.00
3,761.0	7.11	344.02	3,743.1	283.6	-81.3	-282.6	0.00	0.00	0.00
3,762.0	7.11	344.02	3,744.1	283.8	-81.3	-282.7	0.00	0.00	0.00
3,763.0	7.11	344.02	3,745.1	283.9	-81.3	-282.8	0.00	0.00	0.00
3,764.0	7.11	344.02	3,746.1	284.0	-81.4	-283.0	0.00	0.00	0.00
3,765.0	7.11	344.02	3,747.1	284.1	-81.4	-283.1	0.00	0.00	0.00
3,766.0	7.11	344.02	3,748.1	284.2	-81.4	-283.2	0.00	0.00	0.00
3,767.0	7.11	344.02	3,749.1	284.4	-81.5	-283.3	0.00	0.00	0.00
3,768.0	7.11	344.02	3,750.1	284.5	-81.5	-283.4	0.00	0.00	0.00
3,769.0	7.11	344.02	3,751.1	284.6	-81.5	-283.5	0.00	0.00	0.00
3,770.0	7.11	344.02	3,752.1	284.7	-81.6	-283.7	0.00	0.00	0.00
3,771.0	7.11	344.02	3,753.0	284.8	-81.6	-283.8	0.00	0.00	0.00
3,772.0	7.11	344.02	3,754.0	284.9	-81.6	-283.9	0.00	0.00	0.00
3,773.0	7.11	344.02	3,755.0	285.1	-81.7	-284.0	0.00	0.00	0.00
3,774.0	7.11	344.02	3,756.0	285.2	-81.7	-284.1	0.00	0.00	0.00
3,775.0	7.11	344.02	3,757.0	285.3	-81.7	-284.3	0.00	0.00	0.00
3,776.0	7.11	344.02	3,758.0	285.4	-81.8	-284.4	0.00	0.00	0.00
3,777.0	7.11	344.02	3,759.0	285.5	-81.8	-284.5	0.00	0.00	0.00
3,778.0	7.11	344.02	3,760.0	285.7	-81.8	-284.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,779.0	7.11	344.02	3,761.0	285.8	-81.9	-284.7	0.00	0.00	0.00
3,780.0	7.11	344.02	3,762.0	285.9	-81.9	-284.8	0.00	0.00	0.00
3,781.0	7.11	344.02	3,763.0	286.0	-81.9	-285.0	0.00	0.00	0.00
3,782.0	7.11	344.02	3,764.0	286.1	-82.0	-285.1	0.00	0.00	0.00
3,783.0	7.11	344.02	3,765.0	286.3	-82.0	-285.2	0.00	0.00	0.00
3,784.0	7.11	344.02	3,765.9	286.4	-82.0	-285.3	0.00	0.00	0.00
3,785.0	7.11	344.02	3,766.9	286.5	-82.1	-285.4	0.00	0.00	0.00
3,786.0	7.11	344.02	3,767.9	286.6	-82.1	-285.6	0.00	0.00	0.00
3,787.0	7.11	344.02	3,768.9	286.7	-82.1	-285.7	0.00	0.00	0.00
3,788.0	7.11	344.02	3,769.9	286.9	-82.2	-285.8	0.00	0.00	0.00
3,789.0	7.11	344.02	3,770.9	287.0	-82.2	-285.9	0.00	0.00	0.00
3,790.0	7.11	344.02	3,771.9	287.1	-82.2	-286.0	0.00	0.00	0.00
3,791.0	7.11	344.02	3,772.9	287.2	-82.3	-286.2	0.00	0.00	0.00
3,792.0	7.11	344.02	3,773.9	287.3	-82.3	-286.3	0.00	0.00	0.00
3,793.0	7.11	344.02	3,774.9	287.4	-82.3	-286.4	0.00	0.00	0.00
3,794.0	7.11	344.02	3,775.9	287.6	-82.4	-286.5	0.00	0.00	0.00
3,795.0	7.11	344.02	3,776.9	287.7	-82.4	-286.6	0.00	0.00	0.00
3,796.0	7.11	344.02	3,777.9	287.8	-82.4	-286.7	0.00	0.00	0.00
3,797.0	7.11	344.02	3,778.8	287.9	-82.5	-286.9	0.00	0.00	0.00
3,798.0	7.11	344.02	3,779.8	288.0	-82.5	-287.0	0.00	0.00	0.00
3,799.0	7.11	344.02	3,780.8	288.2	-82.5	-287.1	0.00	0.00	0.00
3,800.0	7.11	344.02	3,781.8	288.3	-82.6	-287.2	0.00	0.00	0.00
3,801.0	7.11	344.02	3,782.8	288.4	-82.6	-287.3	0.00	0.00	0.00
3,802.0	7.11	344.02	3,783.8	288.5	-82.6	-287.5	0.00	0.00	0.00
3,803.0	7.11	344.02	3,784.8	288.6	-82.7	-287.6	0.00	0.00	0.00
3,804.0	7.11	344.02	3,785.8	288.8	-82.7	-287.7	0.00	0.00	0.00
3,805.0	7.11	344.02	3,786.8	288.9	-82.8	-287.8	0.00	0.00	0.00
3,806.0	7.11	344.02	3,787.8	289.0	-82.8	-287.9	0.00	0.00	0.00
3,807.0	7.11	344.02	3,788.8	289.1	-82.8	-288.0	0.00	0.00	0.00
3,808.0	7.11	344.02	3,789.8	289.2	-82.9	-288.2	0.00	0.00	0.00
3,809.0	7.11	344.02	3,790.8	289.3	-82.9	-288.3	0.00	0.00	0.00
3,810.0	7.11	344.02	3,791.7	289.5	-82.9	-288.4	0.00	0.00	0.00
3,811.0	7.11	344.02	3,792.7	289.6	-83.0	-288.5	0.00	0.00	0.00
3,812.0	7.11	344.02	3,793.7	289.7	-83.0	-288.6	0.00	0.00	0.00
3,813.0	7.11	344.02	3,794.7	289.8	-83.0	-288.8	0.00	0.00	0.00
3,814.0	7.11	344.02	3,795.7	289.9	-83.1	-288.9	0.00	0.00	0.00
3,815.0	7.11	344.02	3,796.7	290.1	-83.1	-289.0	0.00	0.00	0.00
3,816.0	7.11	344.02	3,797.7	290.2	-83.1	-289.1	0.00	0.00	0.00
3,817.0	7.11	344.02	3,798.7	290.3	-83.2	-289.2	0.00	0.00	0.00
3,818.0	7.11	344.02	3,799.7	290.4	-83.2	-289.4	0.00	0.00	0.00
3,819.0	7.11	344.02	3,800.7	290.5	-83.2	-289.5	0.00	0.00	0.00
3,820.0	7.11	344.02	3,801.7	290.7	-83.3	-289.6	0.00	0.00	0.00
3,821.0	7.11	344.02	3,802.7	290.8	-83.3	-289.7	0.00	0.00	0.00
3,822.0	7.11	344.02	3,803.7	290.9	-83.3	-289.8	0.00	0.00	0.00
3,823.0	7.11	344.02	3,804.6	291.0	-83.4	-289.9	0.00	0.00	0.00
3,824.0	7.11	344.02	3,805.6	291.1	-83.4	-290.1	0.00	0.00	0.00
3,825.0	7.11	344.02	3,806.6	291.3	-83.4	-290.2	0.00	0.00	0.00
3,826.0	7.11	344.02	3,807.6	291.4	-83.5	-290.3	0.00	0.00	0.00
3,827.0	7.11	344.02	3,808.6	291.5	-83.5	-290.4	0.00	0.00	0.00
3,828.0	7.11	344.02	3,809.6	291.6	-83.5	-290.5	0.00	0.00	0.00
3,829.0	7.11	344.02	3,810.6	291.7	-83.6	-290.7	0.00	0.00	0.00
3,830.0	7.11	344.02	3,811.6	291.8	-83.6	-290.8	0.00	0.00	0.00
3,831.0	7.11	344.02	3,812.6	292.0	-83.6	-290.9	0.00	0.00	0.00
3,832.0	7.11	344.02	3,813.6	292.1	-83.7	-291.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,833.0	7.11	344.02	3,814.6	292.2	-83.7	-291.1	0.00	0.00	0.00
3,834.0	7.11	344.02	3,815.6	292.3	-83.7	-291.2	0.00	0.00	0.00
3,835.0	7.11	344.02	3,816.6	292.4	-83.8	-291.4	0.00	0.00	0.00
3,836.0	7.11	344.02	3,817.5	292.6	-83.8	-291.5	0.00	0.00	0.00
3,837.0	7.11	344.02	3,818.5	292.7	-83.8	-291.6	0.00	0.00	0.00
3,838.0	7.11	344.02	3,819.5	292.8	-83.9	-291.7	0.00	0.00	0.00
3,839.0	7.11	344.02	3,820.5	292.9	-83.9	-291.8	0.00	0.00	0.00
3,840.0	7.11	344.02	3,821.5	293.0	-83.9	-292.0	0.00	0.00	0.00
3,841.0	7.11	344.02	3,822.5	293.2	-84.0	-292.1	0.00	0.00	0.00
3,842.0	7.11	344.02	3,823.5	293.3	-84.0	-292.2	0.00	0.00	0.00
3,843.0	7.11	344.02	3,824.5	293.4	-84.0	-292.3	0.00	0.00	0.00
3,844.0	7.11	344.02	3,825.5	293.5	-84.1	-292.4	0.00	0.00	0.00
3,845.0	7.11	344.02	3,826.5	293.6	-84.1	-292.6	0.00	0.00	0.00
3,846.0	7.11	344.02	3,827.5	293.8	-84.1	-292.7	0.00	0.00	0.00
3,847.0	7.11	344.02	3,828.5	293.9	-84.2	-292.8	0.00	0.00	0.00
3,848.0	7.11	344.02	3,829.5	294.0	-84.2	-292.9	0.00	0.00	0.00
3,849.0	7.11	344.02	3,830.4	294.1	-84.3	-293.0	0.00	0.00	0.00
3,850.0	7.11	344.02	3,831.4	294.2	-84.3	-293.1	0.00	0.00	0.00
3,851.0	7.11	344.02	3,832.4	294.3	-84.3	-293.3	0.00	0.00	0.00
3,852.0	7.11	344.02	3,833.4	294.5	-84.4	-293.4	0.00	0.00	0.00
3,853.0	7.11	344.02	3,834.4	294.6	-84.4	-293.5	0.00	0.00	0.00
3,854.0	7.11	344.02	3,835.4	294.7	-84.4	-293.6	0.00	0.00	0.00
3,855.0	7.11	344.02	3,836.4	294.8	-84.5	-293.7	0.00	0.00	0.00
3,856.0	7.11	344.02	3,837.4	294.9	-84.5	-293.9	0.00	0.00	0.00
3,857.0	7.11	344.02	3,838.4	295.1	-84.5	-294.0	0.00	0.00	0.00
3,858.0	7.11	344.02	3,839.4	295.2	-84.6	-294.1	0.00	0.00	0.00
3,859.0	7.11	344.02	3,840.4	295.3	-84.6	-294.2	0.00	0.00	0.00
3,860.0	7.11	344.02	3,841.4	295.4	-84.6	-294.3	0.00	0.00	0.00
3,861.0	7.11	344.02	3,842.4	295.5	-84.7	-294.5	0.00	0.00	0.00
3,862.0	7.11	344.02	3,843.3	295.7	-84.7	-294.6	0.00	0.00	0.00
3,863.0	7.11	344.02	3,844.3	295.8	-84.7	-294.7	0.00	0.00	0.00
3,864.0	7.11	344.02	3,845.3	295.9	-84.8	-294.8	0.00	0.00	0.00
3,865.0	7.11	344.02	3,846.3	296.0	-84.8	-294.9	0.00	0.00	0.00
3,866.0	7.11	344.02	3,847.3	296.1	-84.8	-295.0	0.00	0.00	0.00
3,867.0	7.11	344.02	3,848.3	296.3	-84.9	-295.2	0.00	0.00	0.00
3,868.0	7.11	344.02	3,849.3	296.4	-84.9	-295.3	0.00	0.00	0.00
3,869.0	7.11	344.02	3,850.3	296.5	-84.9	-295.4	0.00	0.00	0.00
3,870.0	7.11	344.02	3,851.3	296.6	-85.0	-295.5	0.00	0.00	0.00
3,871.0	7.11	344.02	3,852.3	296.7	-85.0	-295.6	0.00	0.00	0.00
3,872.0	7.11	344.02	3,853.3	296.8	-85.0	-295.8	0.00	0.00	0.00
3,873.0	7.11	344.02	3,854.3	297.0	-85.1	-295.9	0.00	0.00	0.00
3,874.0	7.11	344.02	3,855.3	297.1	-85.1	-296.0	0.00	0.00	0.00
3,875.0	7.11	344.02	3,856.2	297.2	-85.1	-296.1	0.00	0.00	0.00
3,876.0	7.11	344.02	3,857.2	297.3	-85.2	-296.2	0.00	0.00	0.00
3,877.0	7.11	344.02	3,858.2	297.4	-85.2	-296.3	0.00	0.00	0.00
3,878.0	7.11	344.02	3,859.2	297.6	-85.2	-296.5	0.00	0.00	0.00
3,879.0	7.11	344.02	3,860.2	297.7	-85.3	-296.6	0.00	0.00	0.00
3,880.0	7.11	344.02	3,861.2	297.8	-85.3	-296.7	0.00	0.00	0.00
3,881.0	7.11	344.02	3,862.2	297.9	-85.3	-296.8	0.00	0.00	0.00
3,882.0	7.11	344.02	3,863.2	298.0	-85.4	-296.9	0.00	0.00	0.00
3,883.0	7.11	344.02	3,864.2	298.2	-85.4	-297.1	0.00	0.00	0.00
3,884.0	7.11	344.02	3,865.2	298.3	-85.4	-297.2	0.00	0.00	0.00
3,885.0	7.11	344.02	3,866.2	298.4	-85.5	-297.3	0.00	0.00	0.00
3,886.0	7.11	344.02	3,867.2	298.5	-85.5	-297.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,887.0	7.11	344.02	3,868.2	298.6	-85.5	-297.5	0.00	0.00	0.00
3,888.0	7.11	344.02	3,869.1	298.8	-85.6	-297.7	0.00	0.00	0.00
3,889.0	7.11	344.02	3,870.1	298.9	-85.6	-297.8	0.00	0.00	0.00
3,890.0	7.11	344.02	3,871.1	299.0	-85.6	-297.9	0.00	0.00	0.00
3,891.0	7.11	344.02	3,872.1	299.1	-85.7	-298.0	0.00	0.00	0.00
3,892.0	7.11	344.02	3,873.1	299.2	-85.7	-298.1	0.00	0.00	0.00
3,893.0	7.11	344.02	3,874.1	299.3	-85.8	-298.2	0.00	0.00	0.00
3,894.0	7.11	344.02	3,875.1	299.5	-85.8	-298.4	0.00	0.00	0.00
3,895.0	7.11	344.02	3,876.1	299.6	-85.8	-298.5	0.00	0.00	0.00
3,896.0	7.11	344.02	3,877.1	299.7	-85.9	-298.6	0.00	0.00	0.00
3,897.0	7.11	344.02	3,878.1	299.8	-85.9	-298.7	0.00	0.00	0.00
3,898.0	7.11	344.02	3,879.1	299.9	-85.9	-298.8	0.00	0.00	0.00
3,899.0	7.11	344.02	3,880.1	300.1	-86.0	-299.0	0.00	0.00	0.00
3,900.0	7.11	344.02	3,881.1	300.2	-86.0	-299.1	0.00	0.00	0.00
3,901.0	7.11	344.02	3,882.0	300.3	-86.0	-299.2	0.00	0.00	0.00
3,902.0	7.11	344.02	3,883.0	300.4	-86.1	-299.3	0.00	0.00	0.00
3,903.0	7.11	344.02	3,884.0	300.5	-86.1	-299.4	0.00	0.00	0.00
3,904.0	7.11	344.02	3,885.0	300.7	-86.1	-299.5	0.00	0.00	0.00
3,905.0	7.11	344.02	3,886.0	300.8	-86.2	-299.7	0.00	0.00	0.00
3,906.0	7.11	344.02	3,887.0	300.9	-86.2	-299.8	0.00	0.00	0.00
3,907.0	7.11	344.02	3,888.0	301.0	-86.2	-299.9	0.00	0.00	0.00
3,908.0	7.11	344.02	3,889.0	301.1	-86.3	-300.0	0.00	0.00	0.00
3,909.0	7.11	344.02	3,890.0	301.3	-86.3	-300.1	0.00	0.00	0.00
3,910.0	7.11	344.02	3,891.0	301.4	-86.3	-300.3	0.00	0.00	0.00
3,911.0	7.11	344.02	3,892.0	301.5	-86.4	-300.4	0.00	0.00	0.00
3,912.0	7.11	344.02	3,893.0	301.6	-86.4	-300.5	0.00	0.00	0.00
3,913.0	7.11	344.02	3,894.0	301.7	-86.4	-300.6	0.00	0.00	0.00
3,914.0	7.11	344.02	3,894.9	301.8	-86.5	-300.7	0.00	0.00	0.00
3,915.0	7.11	344.02	3,895.9	302.0	-86.5	-300.9	0.00	0.00	0.00
3,916.0	7.11	344.02	3,896.9	302.1	-86.5	-301.0	0.00	0.00	0.00
3,917.0	7.11	344.02	3,897.9	302.2	-86.6	-301.1	0.00	0.00	0.00
3,918.0	7.11	344.02	3,898.9	302.3	-86.6	-301.2	0.00	0.00	0.00
3,919.0	7.11	344.02	3,899.9	302.4	-86.6	-301.3	0.00	0.00	0.00
3,920.0	7.11	344.02	3,900.9	302.6	-86.7	-301.4	0.00	0.00	0.00
3,921.0	7.11	344.02	3,901.9	302.7	-86.7	-301.6	0.00	0.00	0.00
3,922.0	7.11	344.02	3,902.9	302.8	-86.7	-301.7	0.00	0.00	0.00
3,923.0	7.11	344.02	3,903.9	302.9	-86.8	-301.8	0.00	0.00	0.00
3,924.0	7.11	344.02	3,904.9	303.0	-86.8	-301.9	0.00	0.00	0.00
3,925.0	7.11	344.02	3,905.9	303.2	-86.8	-302.0	0.00	0.00	0.00
3,926.0	7.11	344.02	3,906.9	303.3	-86.9	-302.2	0.00	0.00	0.00
3,927.0	7.11	344.02	3,907.8	303.4	-86.9	-302.3	0.00	0.00	0.00
3,928.0	7.11	344.02	3,908.8	303.5	-86.9	-302.4	0.00	0.00	0.00
3,929.0	7.11	344.02	3,909.8	303.6	-87.0	-302.5	0.00	0.00	0.00
3,930.0	7.11	344.02	3,910.8	303.7	-87.0	-302.6	0.00	0.00	0.00
3,931.0	7.11	344.02	3,911.8	303.9	-87.0	-302.8	0.00	0.00	0.00
3,932.0	7.11	344.02	3,912.8	304.0	-87.1	-302.9	0.00	0.00	0.00
3,933.0	7.11	344.02	3,913.8	304.1	-87.1	-303.0	0.00	0.00	0.00
3,934.0	7.11	344.02	3,914.8	304.2	-87.1	-303.1	0.00	0.00	0.00
3,935.0	7.11	344.02	3,915.8	304.3	-87.2	-303.2	0.00	0.00	0.00
3,936.0	7.11	344.02	3,916.8	304.5	-87.2	-303.3	0.00	0.00	0.00
3,937.0	7.11	344.02	3,917.8	304.6	-87.3	-303.5	0.00	0.00	0.00
3,938.0	7.11	344.02	3,918.8	304.7	-87.3	-303.6	0.00	0.00	0.00
3,939.0	7.11	344.02	3,919.8	304.8	-87.3	-303.7	0.00	0.00	0.00
3,940.0	7.11	344.02	3,920.7	304.9	-87.4	-303.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,941.0	7.11	344.02	3,921.7	305.1	-87.4	-303.9	0.00	0.00	0.00
3,942.0	7.11	344.02	3,922.7	305.2	-87.4	-304.1	0.00	0.00	0.00
3,943.0	7.11	344.02	3,923.7	305.3	-87.5	-304.2	0.00	0.00	0.00
3,944.0	7.11	344.02	3,924.7	305.4	-87.5	-304.3	0.00	0.00	0.00
3,945.0	7.11	344.02	3,925.7	305.5	-87.5	-304.4	0.00	0.00	0.00
3,946.0	7.11	344.02	3,926.7	305.7	-87.6	-304.5	0.00	0.00	0.00
3,947.0	7.11	344.02	3,927.7	305.8	-87.6	-304.6	0.00	0.00	0.00
3,948.0	7.11	344.02	3,928.7	305.9	-87.6	-304.8	0.00	0.00	0.00
3,949.0	7.11	344.02	3,929.7	306.0	-87.7	-304.9	0.00	0.00	0.00
3,950.0	7.11	344.02	3,930.7	306.1	-87.7	-305.0	0.00	0.00	0.00
3,951.0	7.11	344.02	3,931.7	306.2	-87.7	-305.1	0.00	0.00	0.00
3,952.0	7.11	344.02	3,932.7	306.4	-87.8	-305.2	0.00	0.00	0.00
3,953.0	7.11	344.02	3,933.6	306.5	-87.8	-305.4	0.00	0.00	0.00
3,954.0	7.11	344.02	3,934.6	306.6	-87.8	-305.5	0.00	0.00	0.00
3,955.0	7.11	344.02	3,935.6	306.7	-87.9	-305.6	0.00	0.00	0.00
3,956.0	7.11	344.02	3,936.6	306.8	-87.9	-305.7	0.00	0.00	0.00
3,957.0	7.11	344.02	3,937.6	307.0	-87.9	-305.8	0.00	0.00	0.00
3,958.0	7.11	344.02	3,938.6	307.1	-88.0	-306.0	0.00	0.00	0.00
3,959.0	7.11	344.02	3,939.6	307.2	-88.0	-306.1	0.00	0.00	0.00
3,960.0	7.11	344.02	3,940.6	307.3	-88.0	-306.2	0.00	0.00	0.00
3,961.0	7.11	344.02	3,941.6	307.4	-88.1	-306.3	0.00	0.00	0.00
3,962.0	7.11	344.02	3,942.6	307.6	-88.1	-306.4	0.00	0.00	0.00
3,963.0	7.11	344.02	3,943.6	307.7	-88.1	-306.5	0.00	0.00	0.00
3,964.0	7.11	344.02	3,944.6	307.8	-88.2	-306.7	0.00	0.00	0.00
3,965.0	7.11	344.02	3,945.6	307.9	-88.2	-306.8	0.00	0.00	0.00
3,966.0	7.11	344.02	3,946.5	308.0	-88.2	-306.9	0.00	0.00	0.00
3,967.0	7.11	344.02	3,947.5	308.2	-88.3	-307.0	0.00	0.00	0.00
3,968.0	7.11	344.02	3,948.5	308.3	-88.3	-307.1	0.00	0.00	0.00
3,969.0	7.11	344.02	3,949.5	308.4	-88.3	-307.3	0.00	0.00	0.00
3,970.0	7.11	344.02	3,950.5	308.5	-88.4	-307.4	0.00	0.00	0.00
3,971.0	7.11	344.02	3,951.5	308.6	-88.4	-307.5	0.00	0.00	0.00
3,972.0	7.11	344.02	3,952.5	308.7	-88.4	-307.6	0.00	0.00	0.00
3,973.0	7.11	344.02	3,953.5	308.9	-88.5	-307.7	0.00	0.00	0.00
3,974.0	7.11	344.02	3,954.5	309.0	-88.5	-307.8	0.00	0.00	0.00
3,975.0	7.11	344.02	3,955.5	309.1	-88.5	-308.0	0.00	0.00	0.00
3,976.0	7.11	344.02	3,956.5	309.2	-88.6	-308.1	0.00	0.00	0.00
3,977.0	7.11	344.02	3,957.5	309.3	-88.6	-308.2	0.00	0.00	0.00
3,978.0	7.11	344.02	3,958.5	309.5	-88.6	-308.3	0.00	0.00	0.00
3,979.0	7.11	344.02	3,959.4	309.6	-88.7	-308.4	0.00	0.00	0.00
3,980.0	7.11	344.02	3,960.4	309.7	-88.7	-308.6	0.00	0.00	0.00
3,981.0	7.11	344.02	3,961.4	309.8	-88.8	-308.7	0.00	0.00	0.00
3,982.0	7.11	344.02	3,962.4	309.9	-88.8	-308.8	0.00	0.00	0.00
3,983.0	7.11	344.02	3,963.4	310.1	-88.8	-308.9	0.00	0.00	0.00
3,984.0	7.11	344.02	3,964.4	310.2	-88.9	-309.0	0.00	0.00	0.00
3,985.0	7.11	344.02	3,965.4	310.3	-88.9	-309.2	0.00	0.00	0.00
3,986.0	7.11	344.02	3,966.4	310.4	-88.9	-309.3	0.00	0.00	0.00
3,987.0	7.11	344.02	3,967.4	310.5	-89.0	-309.4	0.00	0.00	0.00
3,988.0	7.11	344.02	3,968.4	310.7	-89.0	-309.5	0.00	0.00	0.00
3,989.0	7.11	344.02	3,969.4	310.8	-89.0	-309.6	0.00	0.00	0.00
3,990.0	7.11	344.02	3,970.4	310.9	-89.1	-309.7	0.00	0.00	0.00
3,991.0	7.11	344.02	3,971.4	311.0	-89.1	-309.9	0.00	0.00	0.00
3,992.0	7.11	344.02	3,972.3	311.1	-89.1	-310.0	0.00	0.00	0.00
3,993.0	7.11	344.02	3,973.3	311.2	-89.2	-310.1	0.00	0.00	0.00
3,994.0	7.11	344.02	3,974.3	311.4	-89.2	-310.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,995.0	7.11	344.02	3,975.3	311.5	-89.2	-310.3	0.00	0.00	0.00
3,996.0	7.11	344.02	3,976.3	311.6	-89.3	-310.5	0.00	0.00	0.00
3,997.0	7.11	344.02	3,977.3	311.7	-89.3	-310.6	0.00	0.00	0.00
3,998.0	7.11	344.02	3,978.3	311.8	-89.3	-310.7	0.00	0.00	0.00
3,999.0	7.11	344.02	3,979.3	312.0	-89.4	-310.8	0.00	0.00	0.00
4,000.0	7.11	344.02	3,980.3	312.1	-89.4	-310.9	0.00	0.00	0.00
4,001.0	7.11	344.02	3,981.3	312.2	-89.4	-311.0	0.00	0.00	0.00
4,002.0	7.11	344.02	3,982.3	312.3	-89.5	-311.2	0.00	0.00	0.00
4,003.0	7.11	344.02	3,983.3	312.4	-89.5	-311.3	0.00	0.00	0.00
4,004.0	7.11	344.02	3,984.3	312.6	-89.5	-311.4	0.00	0.00	0.00
4,005.0	7.11	344.02	3,985.2	312.7	-89.6	-311.5	0.00	0.00	0.00
4,006.0	7.11	344.02	3,986.2	312.8	-89.6	-311.6	0.00	0.00	0.00
4,007.0	7.11	344.02	3,987.2	312.9	-89.6	-311.8	0.00	0.00	0.00
4,008.0	7.11	344.02	3,988.2	313.0	-89.7	-311.9	0.00	0.00	0.00
4,009.0	7.11	344.02	3,989.2	313.2	-89.7	-312.0	0.00	0.00	0.00
4,010.0	7.11	344.02	3,990.2	313.3	-89.7	-312.1	0.00	0.00	0.00
4,011.0	7.11	344.02	3,991.2	313.4	-89.8	-312.2	0.00	0.00	0.00
4,012.0	7.11	344.02	3,992.2	313.5	-89.8	-312.4	0.00	0.00	0.00
4,013.0	7.11	344.02	3,993.2	313.6	-89.8	-312.5	0.00	0.00	0.00
4,014.0	7.11	344.02	3,994.2	313.7	-89.9	-312.6	0.00	0.00	0.00
4,015.0	7.11	344.02	3,995.2	313.9	-89.9	-312.7	0.00	0.00	0.00
4,016.0	7.11	344.02	3,996.2	314.0	-89.9	-312.8	0.00	0.00	0.00
4,017.0	7.11	344.02	3,997.2	314.1	-90.0	-312.9	0.00	0.00	0.00
4,018.0	7.11	344.02	3,998.1	314.2	-90.0	-313.1	0.00	0.00	0.00
4,019.0	7.11	344.02	3,999.1	314.3	-90.0	-313.2	0.00	0.00	0.00
4,020.0	7.11	344.02	4,000.1	314.5	-90.1	-313.3	0.00	0.00	0.00
4,021.0	7.11	344.02	4,001.1	314.6	-90.1	-313.4	0.00	0.00	0.00
4,022.0	7.11	344.02	4,002.1	314.7	-90.1	-313.5	0.00	0.00	0.00
4,023.0	7.11	344.02	4,003.1	314.8	-90.2	-313.7	0.00	0.00	0.00
4,024.0	7.11	344.02	4,004.1	314.9	-90.2	-313.8	0.00	0.00	0.00
4,025.0	7.11	344.02	4,005.1	315.1	-90.2	-313.9	0.00	0.00	0.00
4,026.0	7.11	344.02	4,006.1	315.2	-90.3	-314.0	0.00	0.00	0.00
4,027.0	7.11	344.02	4,007.1	315.3	-90.3	-314.1	0.00	0.00	0.00
4,028.0	7.11	344.02	4,008.1	315.4	-90.4	-314.3	0.00	0.00	0.00
4,029.0	7.11	344.02	4,009.1	315.5	-90.4	-314.4	0.00	0.00	0.00
4,030.0	7.11	344.02	4,010.1	315.6	-90.4	-314.5	0.00	0.00	0.00
4,031.0	7.11	344.02	4,011.0	315.8	-90.5	-314.6	0.00	0.00	0.00
4,032.0	7.11	344.02	4,012.0	315.9	-90.5	-314.7	0.00	0.00	0.00
4,033.0	7.11	344.02	4,013.0	316.0	-90.5	-314.8	0.00	0.00	0.00
4,034.0	7.11	344.02	4,014.0	316.1	-90.6	-315.0	0.00	0.00	0.00
4,035.0	7.11	344.02	4,015.0	316.2	-90.6	-315.1	0.00	0.00	0.00
4,036.0	7.11	344.02	4,016.0	316.4	-90.6	-315.2	0.00	0.00	0.00
4,037.0	7.11	344.02	4,017.0	316.5	-90.7	-315.3	0.00	0.00	0.00
4,038.0	7.11	344.02	4,018.0	316.6	-90.7	-315.4	0.00	0.00	0.00
4,039.0	7.11	344.02	4,019.0	316.7	-90.7	-315.6	0.00	0.00	0.00
4,040.0	7.11	344.02	4,020.0	316.8	-90.8	-315.7	0.00	0.00	0.00
4,041.0	7.11	344.02	4,021.0	317.0	-90.8	-315.8	0.00	0.00	0.00
4,042.0	7.11	344.02	4,022.0	317.1	-90.8	-315.9	0.00	0.00	0.00
4,043.0	7.11	344.02	4,023.0	317.2	-90.9	-316.0	0.00	0.00	0.00
4,044.0	7.11	344.02	4,023.9	317.3	-90.9	-316.1	0.00	0.00	0.00
4,045.0	7.11	344.02	4,024.9	317.4	-90.9	-316.3	0.00	0.00	0.00
4,046.0	7.11	344.02	4,025.9	317.6	-91.0	-316.4	0.00	0.00	0.00
4,047.0	7.11	344.02	4,026.9	317.7	-91.0	-316.5	0.00	0.00	0.00
4,048.0	7.11	344.02	4,027.9	317.8	-91.0	-316.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,049.0	7.11	344.02	4,028.9	317.9	-91.1	-316.7	0.00	0.00	0.00
4,050.0	7.11	344.02	4,029.9	318.0	-91.1	-316.9	0.00	0.00	0.00
4,051.0	7.11	344.02	4,030.9	318.1	-91.1	-317.0	0.00	0.00	0.00
4,052.0	7.11	344.02	4,031.9	318.3	-91.2	-317.1	0.00	0.00	0.00
4,053.0	7.11	344.02	4,032.9	318.4	-91.2	-317.2	0.00	0.00	0.00
4,054.0	7.11	344.02	4,033.9	318.5	-91.2	-317.3	0.00	0.00	0.00
4,055.0	7.11	344.02	4,034.9	318.6	-91.3	-317.5	0.00	0.00	0.00
4,056.0	7.11	344.02	4,035.9	318.7	-91.3	-317.6	0.00	0.00	0.00
4,057.0	7.11	344.02	4,036.8	318.9	-91.3	-317.7	0.00	0.00	0.00
4,058.0	7.11	344.02	4,037.8	319.0	-91.4	-317.8	0.00	0.00	0.00
4,059.0	7.11	344.02	4,038.8	319.1	-91.4	-317.9	0.00	0.00	0.00
4,060.0	7.11	344.02	4,039.8	319.2	-91.4	-318.0	0.00	0.00	0.00
4,061.0	7.11	344.02	4,040.8	319.3	-91.5	-318.2	0.00	0.00	0.00
4,062.0	7.11	344.02	4,041.8	319.5	-91.5	-318.3	0.00	0.00	0.00
4,063.0	7.11	344.02	4,042.8	319.6	-91.5	-318.4	0.00	0.00	0.00
4,064.0	7.11	344.02	4,043.8	319.7	-91.6	-318.5	0.00	0.00	0.00
4,065.0	7.11	344.02	4,044.8	319.8	-91.6	-318.6	0.00	0.00	0.00
4,066.0	7.11	344.02	4,045.8	319.9	-91.6	-318.8	0.00	0.00	0.00
4,067.0	7.11	344.02	4,046.8	320.1	-91.7	-318.9	0.00	0.00	0.00
4,068.0	7.11	344.02	4,047.8	320.2	-91.7	-319.0	0.00	0.00	0.00
4,069.0	7.11	344.02	4,048.8	320.3	-91.7	-319.1	0.00	0.00	0.00
4,070.0	7.11	344.02	4,049.7	320.4	-91.8	-319.2	0.00	0.00	0.00
4,071.0	7.11	344.02	4,050.7	320.5	-91.8	-319.3	0.00	0.00	0.00
4,072.0	7.11	344.02	4,051.7	320.6	-91.9	-319.5	0.00	0.00	0.00
4,073.0	7.11	344.02	4,052.7	320.8	-91.9	-319.6	0.00	0.00	0.00
4,074.0	7.11	344.02	4,053.7	320.9	-91.9	-319.7	0.00	0.00	0.00
4,075.0	7.11	344.02	4,054.7	321.0	-92.0	-319.8	0.00	0.00	0.00
4,076.0	7.11	344.02	4,055.7	321.1	-92.0	-319.9	0.00	0.00	0.00
4,077.0	7.11	344.02	4,056.7	321.2	-92.0	-320.1	0.00	0.00	0.00
4,078.0	7.11	344.02	4,057.7	321.4	-92.1	-320.2	0.00	0.00	0.00
4,079.0	7.11	344.02	4,058.7	321.5	-92.1	-320.3	0.00	0.00	0.00
4,080.0	7.11	344.02	4,059.7	321.6	-92.1	-320.4	0.00	0.00	0.00
4,081.0	7.11	344.02	4,060.7	321.7	-92.2	-320.5	0.00	0.00	0.00
4,082.0	7.11	344.02	4,061.7	321.8	-92.2	-320.7	0.00	0.00	0.00
4,083.0	7.11	344.02	4,062.6	322.0	-92.2	-320.8	0.00	0.00	0.00
4,084.0	7.11	344.02	4,063.6	322.1	-92.3	-320.9	0.00	0.00	0.00
4,085.0	7.11	344.02	4,064.6	322.2	-92.3	-321.0	0.00	0.00	0.00
4,086.0	7.11	344.02	4,065.6	322.3	-92.3	-321.1	0.00	0.00	0.00
4,087.0	7.11	344.02	4,066.6	322.4	-92.4	-321.2	0.00	0.00	0.00
4,088.0	7.11	344.02	4,067.6	322.6	-92.4	-321.4	0.00	0.00	0.00
4,089.0	7.11	344.02	4,068.6	322.7	-92.4	-321.5	0.00	0.00	0.00
4,090.0	7.11	344.02	4,069.6	322.8	-92.5	-321.6	0.00	0.00	0.00
4,091.0	7.11	344.02	4,070.6	322.9	-92.5	-321.7	0.00	0.00	0.00
4,092.0	7.11	344.02	4,071.6	323.0	-92.5	-321.8	0.00	0.00	0.00
4,093.0	7.11	344.02	4,072.6	323.1	-92.6	-322.0	0.00	0.00	0.00
4,094.0	7.11	344.02	4,073.6	323.3	-92.6	-322.1	0.00	0.00	0.00
4,095.0	7.11	344.02	4,074.6	323.4	-92.6	-322.2	0.00	0.00	0.00
4,096.0	7.11	344.02	4,075.5	323.5	-92.7	-322.3	0.00	0.00	0.00
4,097.0	7.11	344.02	4,076.5	323.6	-92.7	-322.4	0.00	0.00	0.00
4,098.0	7.11	344.02	4,077.5	323.7	-92.7	-322.6	0.00	0.00	0.00
4,099.0	7.11	344.02	4,078.5	323.9	-92.8	-322.7	0.00	0.00	0.00
4,100.0	7.11	344.02	4,079.5	324.0	-92.8	-322.8	0.00	0.00	0.00
4,101.0	7.11	344.02	4,080.5	324.1	-92.8	-322.9	0.00	0.00	0.00
4,102.0	7.11	344.02	4,081.5	324.2	-92.9	-323.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,103.0	7.11	344.02	4,082.5	324.3	-92.9	-323.1	0.00	0.00	0.00
4,104.0	7.11	344.02	4,083.5	324.5	-92.9	-323.3	0.00	0.00	0.00
4,105.0	7.11	344.02	4,084.5	324.6	-93.0	-323.4	0.00	0.00	0.00
4,106.0	7.11	344.02	4,085.5	324.7	-93.0	-323.5	0.00	0.00	0.00
4,107.0	7.11	344.02	4,086.5	324.8	-93.0	-323.6	0.00	0.00	0.00
4,108.0	7.11	344.02	4,087.5	324.9	-93.1	-323.7	0.00	0.00	0.00
4,109.0	7.11	344.02	4,088.4	325.1	-93.1	-323.9	0.00	0.00	0.00
4,110.0	7.11	344.02	4,089.4	325.2	-93.1	-324.0	0.00	0.00	0.00
4,111.0	7.11	344.02	4,090.4	325.3	-93.2	-324.1	0.00	0.00	0.00
4,112.0	7.11	344.02	4,091.4	325.4	-93.2	-324.2	0.00	0.00	0.00
4,113.0	7.11	344.02	4,092.4	325.5	-93.2	-324.3	0.00	0.00	0.00
4,114.0	7.11	344.02	4,093.4	325.6	-93.3	-324.4	0.00	0.00	0.00
4,115.0	7.11	344.02	4,094.4	325.8	-93.3	-324.6	0.00	0.00	0.00
4,116.0	7.11	344.02	4,095.4	325.9	-93.4	-324.7	0.00	0.00	0.00
4,117.0	7.11	344.02	4,096.4	326.0	-93.4	-324.8	0.00	0.00	0.00
4,118.0	7.11	344.02	4,097.4	326.1	-93.4	-324.9	0.00	0.00	0.00
4,119.0	7.11	344.02	4,098.4	326.2	-93.5	-325.0	0.00	0.00	0.00
4,120.0	7.11	344.02	4,099.4	326.4	-93.5	-325.2	0.00	0.00	0.00
4,121.0	7.11	344.02	4,100.4	326.5	-93.5	-325.3	0.00	0.00	0.00
4,122.0	7.11	344.02	4,101.3	326.6	-93.6	-325.4	0.00	0.00	0.00
4,123.0	7.11	344.02	4,102.3	326.7	-93.6	-325.5	0.00	0.00	0.00
4,124.0	7.11	344.02	4,103.3	326.8	-93.6	-325.6	0.00	0.00	0.00
4,125.0	7.11	344.02	4,104.3	327.0	-93.7	-325.8	0.00	0.00	0.00
4,126.0	7.11	344.02	4,105.3	327.1	-93.7	-325.9	0.00	0.00	0.00
4,127.0	7.11	344.02	4,106.3	327.2	-93.7	-326.0	0.00	0.00	0.00
4,128.0	7.11	344.02	4,107.3	327.3	-93.8	-326.1	0.00	0.00	0.00
4,129.0	7.11	344.02	4,108.3	327.4	-93.8	-326.2	0.00	0.00	0.00
4,130.0	7.11	344.02	4,109.3	327.5	-93.8	-326.3	0.00	0.00	0.00
4,131.0	7.11	344.02	4,110.3	327.7	-93.9	-326.5	0.00	0.00	0.00
4,132.0	7.11	344.02	4,111.3	327.8	-93.9	-326.6	0.00	0.00	0.00
4,133.0	7.11	344.02	4,112.3	327.9	-93.9	-326.7	0.00	0.00	0.00
4,134.0	7.11	344.02	4,113.3	328.0	-94.0	-326.8	0.00	0.00	0.00
4,135.0	7.11	344.02	4,114.2	328.1	-94.0	-326.9	0.00	0.00	0.00
4,136.0	7.11	344.02	4,115.2	328.3	-94.0	-327.1	0.00	0.00	0.00
4,137.0	7.11	344.02	4,116.2	328.4	-94.1	-327.2	0.00	0.00	0.00
4,138.0	7.11	344.02	4,117.2	328.5	-94.1	-327.3	0.00	0.00	0.00
4,139.0	7.11	344.02	4,118.2	328.6	-94.1	-327.4	0.00	0.00	0.00
4,140.0	7.11	344.02	4,119.2	328.7	-94.2	-327.5	0.00	0.00	0.00
4,141.0	7.11	344.02	4,120.2	328.9	-94.2	-327.6	0.00	0.00	0.00
4,142.0	7.11	344.02	4,121.2	329.0	-94.2	-327.8	0.00	0.00	0.00
4,143.0	7.11	344.02	4,122.2	329.1	-94.3	-327.9	0.00	0.00	0.00
4,144.0	7.11	344.02	4,123.2	329.2	-94.3	-328.0	0.00	0.00	0.00
4,145.0	7.11	344.02	4,124.2	329.3	-94.3	-328.1	0.00	0.00	0.00
4,146.0	7.11	344.02	4,125.2	329.5	-94.4	-328.2	0.00	0.00	0.00
4,147.0	7.11	344.02	4,126.2	329.6	-94.4	-328.4	0.00	0.00	0.00
4,148.0	7.11	344.02	4,127.1	329.7	-94.4	-328.5	0.00	0.00	0.00
4,149.0	7.11	344.02	4,128.1	329.8	-94.5	-328.6	0.00	0.00	0.00
4,150.0	7.11	344.02	4,129.1	329.9	-94.5	-328.7	0.00	0.00	0.00
4,151.0	7.11	344.02	4,130.1	330.0	-94.5	-328.8	0.00	0.00	0.00
4,152.0	7.11	344.02	4,131.1	330.2	-94.6	-329.0	0.00	0.00	0.00
4,153.0	7.11	344.02	4,132.1	330.3	-94.6	-329.1	0.00	0.00	0.00
4,154.0	7.11	344.02	4,133.1	330.4	-94.6	-329.2	0.00	0.00	0.00
4,155.0	7.11	344.02	4,134.1	330.5	-94.7	-329.3	0.00	0.00	0.00
4,156.0	7.11	344.02	4,135.1	330.6	-94.7	-329.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,157.0	7.11	344.02	4,136.1	330.8	-94.7	-329.5	0.00	0.00	0.00
4,158.0	7.11	344.02	4,137.1	330.9	-94.8	-329.7	0.00	0.00	0.00
4,159.0	7.11	344.02	4,138.1	331.0	-94.8	-329.8	0.00	0.00	0.00
4,160.0	7.11	344.02	4,139.1	331.1	-94.9	-329.9	0.00	0.00	0.00
4,161.0	7.11	344.02	4,140.0	331.2	-94.9	-330.0	0.00	0.00	0.00
4,162.0	7.11	344.02	4,141.0	331.4	-94.9	-330.1	0.00	0.00	0.00
4,163.0	7.11	344.02	4,142.0	331.5	-95.0	-330.3	0.00	0.00	0.00
4,164.0	7.11	344.02	4,143.0	331.6	-95.0	-330.4	0.00	0.00	0.00
4,165.0	7.11	344.02	4,144.0	331.7	-95.0	-330.5	0.00	0.00	0.00
4,166.0	7.11	344.02	4,145.0	331.8	-95.1	-330.6	0.00	0.00	0.00
4,167.0	7.11	344.02	4,146.0	332.0	-95.1	-330.7	0.00	0.00	0.00
4,168.0	7.11	344.02	4,147.0	332.1	-95.1	-330.9	0.00	0.00	0.00
4,169.0	7.11	344.02	4,148.0	332.2	-95.2	-331.0	0.00	0.00	0.00
4,170.0	7.11	344.02	4,149.0	332.3	-95.2	-331.1	0.00	0.00	0.00
4,171.0	7.11	344.02	4,150.0	332.4	-95.2	-331.2	0.00	0.00	0.00
4,172.0	7.11	344.02	4,151.0	332.5	-95.3	-331.3	0.00	0.00	0.00
4,173.0	7.11	344.02	4,152.0	332.7	-95.3	-331.4	0.00	0.00	0.00
4,174.0	7.11	344.02	4,152.9	332.8	-95.3	-331.6	0.00	0.00	0.00
4,175.0	7.11	344.02	4,153.9	332.9	-95.4	-331.7	0.00	0.00	0.00
4,176.0	7.11	344.02	4,154.9	333.0	-95.4	-331.8	0.00	0.00	0.00
4,177.0	7.11	344.02	4,155.9	333.1	-95.4	-331.9	0.00	0.00	0.00
4,178.0	7.11	344.02	4,156.9	333.3	-95.5	-332.0	0.00	0.00	0.00
4,179.0	7.11	344.02	4,157.9	333.4	-95.5	-332.2	0.00	0.00	0.00
4,180.0	7.11	344.02	4,158.9	333.5	-95.5	-332.3	0.00	0.00	0.00
4,181.0	7.11	344.02	4,159.9	333.6	-95.6	-332.4	0.00	0.00	0.00
4,182.0	7.11	344.02	4,160.9	333.7	-95.6	-332.5	0.00	0.00	0.00
4,183.0	7.11	344.02	4,161.9	333.9	-95.6	-332.6	0.00	0.00	0.00
4,184.0	7.11	344.02	4,162.9	334.0	-95.7	-332.7	0.00	0.00	0.00
4,185.0	7.11	344.02	4,163.9	334.1	-95.7	-332.9	0.00	0.00	0.00
4,186.0	7.11	344.02	4,164.9	334.2	-95.7	-333.0	0.00	0.00	0.00
4,187.0	7.11	344.02	4,165.8	334.3	-95.8	-333.1	0.00	0.00	0.00
4,188.0	7.11	344.02	4,166.8	334.5	-95.8	-333.2	0.00	0.00	0.00
4,189.0	7.11	344.02	4,167.8	334.6	-95.8	-333.3	0.00	0.00	0.00
4,190.0	7.11	344.02	4,168.8	334.7	-95.9	-333.5	0.00	0.00	0.00
4,191.0	7.11	344.02	4,169.8	334.8	-95.9	-333.6	0.00	0.00	0.00
4,192.0	7.11	344.02	4,170.8	334.9	-95.9	-333.7	0.00	0.00	0.00
4,193.0	7.11	344.02	4,171.8	335.0	-96.0	-333.8	0.00	0.00	0.00
4,194.0	7.11	344.02	4,172.8	335.2	-96.0	-333.9	0.00	0.00	0.00
4,195.0	7.11	344.02	4,173.8	335.3	-96.0	-334.1	0.00	0.00	0.00
4,196.0	7.11	344.02	4,174.8	335.4	-96.1	-334.2	0.00	0.00	0.00
4,197.0	7.11	344.02	4,175.8	335.5	-96.1	-334.3	0.00	0.00	0.00
4,198.0	7.11	344.02	4,176.8	335.6	-96.1	-334.4	0.00	0.00	0.00
4,199.0	7.11	344.02	4,177.8	335.8	-96.2	-334.5	0.00	0.00	0.00
4,200.0	7.11	344.02	4,178.7	335.9	-96.2	-334.6	0.00	0.00	0.00
4,201.0	7.11	344.02	4,179.7	336.0	-96.2	-334.8	0.00	0.00	0.00
4,202.0	7.11	344.02	4,180.7	336.1	-96.3	-334.9	0.00	0.00	0.00
4,203.0	7.11	344.02	4,181.7	336.2	-96.3	-335.0	0.00	0.00	0.00
4,204.0	7.11	344.02	4,182.7	336.4	-96.4	-335.1	0.00	0.00	0.00
4,205.0	7.11	344.02	4,183.7	336.5	-96.4	-335.2	0.00	0.00	0.00
4,206.0	7.11	344.02	4,184.7	336.6	-96.4	-335.4	0.00	0.00	0.00
4,207.0	7.11	344.02	4,185.7	336.7	-96.5	-335.5	0.00	0.00	0.00
4,208.0	7.11	344.02	4,186.7	336.8	-96.5	-335.6	0.00	0.00	0.00
4,209.0	7.11	344.02	4,187.7	337.0	-96.5	-335.7	0.00	0.00	0.00
4,210.0	7.11	344.02	4,188.7	337.1	-96.6	-335.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,211.0	7.11	344.02	4,189.7	337.2	-96.6	-335.9	0.00	0.00	0.00
4,212.0	7.11	344.02	4,190.7	337.3	-96.6	-336.1	0.00	0.00	0.00
4,213.0	7.11	344.02	4,191.6	337.4	-96.7	-336.2	0.00	0.00	0.00
4,214.0	7.11	344.02	4,192.6	337.5	-96.7	-336.3	0.00	0.00	0.00
4,215.0	7.11	344.02	4,193.6	337.7	-96.7	-336.4	0.00	0.00	0.00
4,216.0	7.11	344.02	4,194.6	337.8	-96.8	-336.5	0.00	0.00	0.00
4,217.0	7.11	344.02	4,195.6	337.9	-96.8	-336.7	0.00	0.00	0.00
4,218.0	7.11	344.02	4,196.6	338.0	-96.8	-336.8	0.00	0.00	0.00
4,219.0	7.11	344.02	4,197.6	338.1	-96.9	-336.9	0.00	0.00	0.00
4,220.0	7.11	344.02	4,198.6	338.3	-96.9	-337.0	0.00	0.00	0.00
4,221.0	7.11	344.02	4,199.6	338.4	-96.9	-337.1	0.00	0.00	0.00
4,222.0	7.11	344.02	4,200.6	338.5	-97.0	-337.3	0.00	0.00	0.00
4,223.0	7.11	344.02	4,201.6	338.6	-97.0	-337.4	0.00	0.00	0.00
4,224.0	7.11	344.02	4,202.6	338.7	-97.0	-337.5	0.00	0.00	0.00
4,225.0	7.11	344.02	4,203.6	338.9	-97.1	-337.6	0.00	0.00	0.00
4,226.0	7.11	344.02	4,204.5	339.0	-97.1	-337.7	0.00	0.00	0.00
4,227.0	7.11	344.02	4,205.5	339.1	-97.1	-337.8	0.00	0.00	0.00
4,228.0	7.11	344.02	4,206.5	339.2	-97.2	-338.0	0.00	0.00	0.00
4,229.0	7.11	344.02	4,207.5	339.3	-97.2	-338.1	0.00	0.00	0.00
4,230.0	7.11	344.02	4,208.5	339.4	-97.2	-338.2	0.00	0.00	0.00
4,231.0	7.11	344.02	4,209.5	339.6	-97.3	-338.3	0.00	0.00	0.00
4,232.0	7.11	344.02	4,210.5	339.7	-97.3	-338.4	0.00	0.00	0.00
4,233.0	7.11	344.02	4,211.5	339.8	-97.3	-338.6	0.00	0.00	0.00
4,234.0	7.11	344.02	4,212.5	339.9	-97.4	-338.7	0.00	0.00	0.00
4,235.0	7.11	344.02	4,213.5	340.0	-97.4	-338.8	0.00	0.00	0.00
4,236.0	7.11	344.02	4,214.5	340.2	-97.4	-338.9	0.00	0.00	0.00
4,237.0	7.11	344.02	4,215.5	340.3	-97.5	-339.0	0.00	0.00	0.00
4,238.0	7.11	344.02	4,216.5	340.4	-97.5	-339.1	0.00	0.00	0.00
4,239.0	7.11	344.02	4,217.4	340.5	-97.5	-339.3	0.00	0.00	0.00
4,240.0	7.11	344.02	4,218.4	340.6	-97.6	-339.4	0.00	0.00	0.00
4,241.0	7.11	344.02	4,219.4	340.8	-97.6	-339.5	0.00	0.00	0.00
4,242.0	7.11	344.02	4,220.4	340.9	-97.6	-339.6	0.00	0.00	0.00
4,243.0	7.11	344.02	4,221.4	341.0	-97.7	-339.7	0.00	0.00	0.00
4,244.0	7.11	344.02	4,222.4	341.1	-97.7	-339.9	0.00	0.00	0.00
4,245.0	7.11	344.02	4,223.4	341.2	-97.7	-340.0	0.00	0.00	0.00
4,246.0	7.11	344.02	4,224.4	341.4	-97.8	-340.1	0.00	0.00	0.00
4,247.0	7.11	344.02	4,225.4	341.5	-97.8	-340.2	0.00	0.00	0.00
4,248.0	7.11	344.02	4,226.4	341.6	-97.9	-340.3	0.00	0.00	0.00
4,249.0	7.11	344.02	4,227.4	341.7	-97.9	-340.5	0.00	0.00	0.00
4,250.0	7.11	344.02	4,228.4	341.8	-97.9	-340.6	0.00	0.00	0.00
4,251.0	7.11	344.02	4,229.4	341.9	-98.0	-340.7	0.00	0.00	0.00
4,252.0	7.11	344.02	4,230.3	342.1	-98.0	-340.8	0.00	0.00	0.00
4,253.0	7.11	344.02	4,231.3	342.2	-98.0	-340.9	0.00	0.00	0.00
4,254.0	7.11	344.02	4,232.3	342.3	-98.1	-341.0	0.00	0.00	0.00
4,255.0	7.11	344.02	4,233.3	342.4	-98.1	-341.2	0.00	0.00	0.00
4,256.0	7.11	344.02	4,234.3	342.5	-98.1	-341.3	0.00	0.00	0.00
4,257.0	7.11	344.02	4,235.3	342.7	-98.2	-341.4	0.00	0.00	0.00
4,258.0	7.11	344.02	4,236.3	342.8	-98.2	-341.5	0.00	0.00	0.00
4,259.0	7.11	344.02	4,237.3	342.9	-98.2	-341.6	0.00	0.00	0.00
4,260.0	7.11	344.02	4,238.3	343.0	-98.3	-341.8	0.00	0.00	0.00
4,261.0	7.11	344.02	4,239.3	343.1	-98.3	-341.9	0.00	0.00	0.00
4,262.0	7.11	344.02	4,240.3	343.3	-98.3	-342.0	0.00	0.00	0.00
4,263.0	7.11	344.02	4,241.3	343.4	-98.4	-342.1	0.00	0.00	0.00
4,264.0	7.11	344.02	4,242.3	343.5	-98.4	-342.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,265.0	7.11	344.02	4,243.2	343.6	-98.4	-342.4	0.00	0.00	0.00
4,266.0	7.11	344.02	4,244.2	343.7	-98.5	-342.5	0.00	0.00	0.00
4,267.0	7.11	344.02	4,245.2	343.9	-98.5	-342.6	0.00	0.00	0.00
4,268.0	7.11	344.02	4,246.2	344.0	-98.5	-342.7	0.00	0.00	0.00
4,269.0	7.11	344.02	4,247.2	344.1	-98.6	-342.8	0.00	0.00	0.00
4,270.0	7.11	344.02	4,248.2	344.2	-98.6	-342.9	0.00	0.00	0.00
4,271.0	7.11	344.02	4,249.2	344.3	-98.6	-343.1	0.00	0.00	0.00
4,272.0	7.11	344.02	4,250.2	344.4	-98.7	-343.2	0.00	0.00	0.00
4,273.0	7.11	344.02	4,251.2	344.6	-98.7	-343.3	0.00	0.00	0.00
4,274.0	7.11	344.02	4,252.2	344.7	-98.7	-343.4	0.00	0.00	0.00
4,275.0	7.11	344.02	4,253.2	344.8	-98.8	-343.5	0.00	0.00	0.00
4,276.0	7.11	344.02	4,254.2	344.9	-98.8	-343.7	0.00	0.00	0.00
4,277.0	7.11	344.02	4,255.2	345.0	-98.8	-343.8	0.00	0.00	0.00
4,278.0	7.11	344.02	4,256.1	345.2	-98.9	-343.9	0.00	0.00	0.00
4,279.0	7.11	344.02	4,257.1	345.3	-98.9	-344.0	0.00	0.00	0.00
4,280.0	7.11	344.02	4,258.1	345.4	-98.9	-344.1	0.00	0.00	0.00
4,281.0	7.11	344.02	4,259.1	345.5	-99.0	-344.2	0.00	0.00	0.00
4,282.0	7.11	344.02	4,260.1	345.6	-99.0	-344.4	0.00	0.00	0.00
4,283.0	7.11	344.02	4,261.1	345.8	-99.0	-344.5	0.00	0.00	0.00
4,284.0	7.11	344.02	4,262.1	345.9	-99.1	-344.6	0.00	0.00	0.00
4,285.0	7.11	344.02	4,263.1	346.0	-99.1	-344.7	0.00	0.00	0.00
4,286.0	7.11	344.02	4,264.1	346.1	-99.1	-344.8	0.00	0.00	0.00
4,287.0	7.11	344.02	4,265.1	346.2	-99.2	-345.0	0.00	0.00	0.00
4,288.0	7.11	344.02	4,266.1	346.4	-99.2	-345.1	0.00	0.00	0.00
4,289.0	7.11	344.02	4,267.1	346.5	-99.2	-345.2	0.00	0.00	0.00
4,290.0	7.11	344.02	4,268.1	346.6	-99.3	-345.3	0.00	0.00	0.00
4,291.0	7.11	344.02	4,269.0	346.7	-99.3	-345.4	0.00	0.00	0.00
4,292.0	7.11	344.02	4,270.0	346.8	-99.4	-345.6	0.00	0.00	0.00
4,293.0	7.11	344.02	4,271.0	346.9	-99.4	-345.7	0.00	0.00	0.00
4,294.0	7.11	344.02	4,272.0	347.1	-99.4	-345.8	0.00	0.00	0.00
4,295.0	7.11	344.02	4,273.0	347.2	-99.5	-345.9	0.00	0.00	0.00
4,296.0	7.11	344.02	4,274.0	347.3	-99.5	-346.0	0.00	0.00	0.00
4,297.0	7.11	344.02	4,275.0	347.4	-99.5	-346.1	0.00	0.00	0.00
4,298.0	7.11	344.02	4,276.0	347.5	-99.6	-346.3	0.00	0.00	0.00
4,299.0	7.11	344.02	4,277.0	347.7	-99.6	-346.4	0.00	0.00	0.00
4,300.0	7.11	344.02	4,278.0	347.8	-99.6	-346.5	0.00	0.00	0.00
4,301.0	7.11	344.02	4,279.0	347.9	-99.7	-346.6	0.00	0.00	0.00
4,302.0	7.11	344.02	4,280.0	348.0	-99.7	-346.7	0.00	0.00	0.00
4,303.0	7.11	344.02	4,281.0	348.1	-99.7	-346.9	0.00	0.00	0.00
4,304.0	7.11	344.02	4,281.9	348.3	-99.8	-347.0	0.00	0.00	0.00
4,305.0	7.11	344.02	4,282.9	348.4	-99.8	-347.1	0.00	0.00	0.00
4,306.0	7.11	344.02	4,283.9	348.5	-99.8	-347.2	0.00	0.00	0.00
4,307.0	7.11	344.02	4,284.9	348.6	-99.9	-347.3	0.00	0.00	0.00
4,308.0	7.11	344.02	4,285.9	348.7	-99.9	-347.4	0.00	0.00	0.00
4,309.0	7.11	344.02	4,286.9	348.9	-99.9	-347.6	0.00	0.00	0.00
4,310.0	7.11	344.02	4,287.9	349.0	-100.0	-347.7	0.00	0.00	0.00
4,311.0	7.11	344.02	4,288.9	349.1	-100.0	-347.8	0.00	0.00	0.00
4,312.0	7.11	344.02	4,289.9	349.2	-100.0	-347.9	0.00	0.00	0.00
4,313.0	7.11	344.02	4,290.9	349.3	-100.1	-348.0	0.00	0.00	0.00
4,314.0	7.11	344.02	4,291.9	349.4	-100.1	-348.2	0.00	0.00	0.00
4,315.0	7.11	344.02	4,292.9	349.6	-100.1	-348.3	0.00	0.00	0.00
4,316.0	7.11	344.02	4,293.9	349.7	-100.2	-348.4	0.00	0.00	0.00
4,317.0	7.11	344.02	4,294.8	349.8	-100.2	-348.5	0.00	0.00	0.00
4,318.0	7.11	344.02	4,295.8	349.9	-100.2	-348.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,319.0	7.11	344.02	4,296.8	350.0	-100.3	-348.8	0.00	0.00	0.00
4,320.0	7.11	344.02	4,297.8	350.2	-100.3	-348.9	0.00	0.00	0.00
4,321.0	7.11	344.02	4,298.8	350.3	-100.3	-349.0	0.00	0.00	0.00
4,322.0	7.11	344.02	4,299.8	350.4	-100.4	-349.1	0.00	0.00	0.00
4,323.0	7.11	344.02	4,300.8	350.5	-100.4	-349.2	0.00	0.00	0.00
4,324.0	7.11	344.02	4,301.8	350.6	-100.4	-349.3	0.00	0.00	0.00
4,325.0	7.11	344.02	4,302.8	350.8	-100.5	-349.5	0.00	0.00	0.00
4,326.0	7.11	344.02	4,303.8	350.9	-100.5	-349.6	0.00	0.00	0.00
4,327.0	7.11	344.02	4,304.8	351.0	-100.5	-349.7	0.00	0.00	0.00
4,328.0	7.11	344.02	4,305.8	351.1	-100.6	-349.8	0.00	0.00	0.00
4,329.0	7.11	344.02	4,306.8	351.2	-100.6	-349.9	0.00	0.00	0.00
4,330.0	7.11	344.02	4,307.7	351.4	-100.6	-350.1	0.00	0.00	0.00
4,331.0	7.11	344.02	4,308.7	351.5	-100.7	-350.2	0.00	0.00	0.00
4,332.0	7.11	344.02	4,309.7	351.6	-100.7	-350.3	0.00	0.00	0.00
4,333.0	7.11	344.02	4,310.7	351.7	-100.7	-350.4	0.00	0.00	0.00
4,334.0	7.11	344.02	4,311.7	351.8	-100.8	-350.5	0.00	0.00	0.00
4,335.0	7.11	344.02	4,312.7	351.9	-100.8	-350.7	0.00	0.00	0.00
4,336.0	7.11	344.02	4,313.7	352.1	-100.9	-350.8	0.00	0.00	0.00
4,337.0	7.11	344.02	4,314.7	352.2	-100.9	-350.9	0.00	0.00	0.00
4,338.0	7.11	344.02	4,315.7	352.3	-100.9	-351.0	0.00	0.00	0.00
4,339.0	7.11	344.02	4,316.7	352.4	-101.0	-351.1	0.00	0.00	0.00
4,340.0	7.11	344.02	4,317.7	352.5	-101.0	-351.2	0.00	0.00	0.00
4,341.0	7.11	344.02	4,318.7	352.7	-101.0	-351.4	0.00	0.00	0.00
4,342.0	7.11	344.02	4,319.7	352.8	-101.1	-351.5	0.00	0.00	0.00
4,343.0	7.11	344.02	4,320.6	352.9	-101.1	-351.6	0.00	0.00	0.00
4,344.0	7.11	344.02	4,321.6	353.0	-101.1	-351.7	0.00	0.00	0.00
4,345.0	7.11	344.02	4,322.6	353.1	-101.2	-351.8	0.00	0.00	0.00
4,346.0	7.11	344.02	4,323.6	353.3	-101.2	-352.0	0.00	0.00	0.00
4,347.0	7.11	344.02	4,324.6	353.4	-101.2	-352.1	0.00	0.00	0.00
4,348.0	7.11	344.02	4,325.6	353.5	-101.3	-352.2	0.00	0.00	0.00
4,349.0	7.11	344.02	4,326.6	353.6	-101.3	-352.3	0.00	0.00	0.00
4,350.0	7.11	344.02	4,327.6	353.7	-101.3	-352.4	0.00	0.00	0.00
4,351.0	7.11	344.02	4,328.6	353.8	-101.4	-352.5	0.00	0.00	0.00
4,352.0	7.11	344.02	4,329.6	354.0	-101.4	-352.7	0.00	0.00	0.00
4,353.0	7.11	344.02	4,330.6	354.1	-101.4	-352.8	0.00	0.00	0.00
4,354.0	7.11	344.02	4,331.6	354.2	-101.5	-352.9	0.00	0.00	0.00
4,355.0	7.11	344.02	4,332.6	354.3	-101.5	-353.0	0.00	0.00	0.00
4,356.0	7.11	344.02	4,333.5	354.4	-101.5	-353.1	0.00	0.00	0.00
4,357.0	7.11	344.02	4,334.5	354.6	-101.6	-353.3	0.00	0.00	0.00
4,358.0	7.11	344.02	4,335.5	354.7	-101.6	-353.4	0.00	0.00	0.00
4,359.0	7.11	344.02	4,336.5	354.8	-101.6	-353.5	0.00	0.00	0.00
4,360.0	7.11	344.02	4,337.5	354.9	-101.7	-353.6	0.00	0.00	0.00
4,361.0	7.11	344.02	4,338.5	355.0	-101.7	-353.7	0.00	0.00	0.00
4,362.0	7.11	344.02	4,339.5	355.2	-101.7	-353.9	0.00	0.00	0.00
4,363.0	7.11	344.02	4,340.5	355.3	-101.8	-354.0	0.00	0.00	0.00
4,364.0	7.11	344.02	4,341.5	355.4	-101.8	-354.1	0.00	0.00	0.00
4,365.0	7.11	344.02	4,342.5	355.5	-101.8	-354.2	0.00	0.00	0.00
4,366.0	7.11	344.02	4,343.5	355.6	-101.9	-354.3	0.00	0.00	0.00
4,367.0	7.11	344.02	4,344.5	355.8	-101.9	-354.4	0.00	0.00	0.00
4,368.0	7.11	344.02	4,345.5	355.9	-101.9	-354.6	0.00	0.00	0.00
4,369.0	7.11	344.02	4,346.4	356.0	-102.0	-354.7	0.00	0.00	0.00
4,370.0	7.11	344.02	4,347.4	356.1	-102.0	-354.8	0.00	0.00	0.00
4,371.0	7.11	344.02	4,348.4	356.2	-102.0	-354.9	0.00	0.00	0.00
4,372.0	7.11	344.02	4,349.4	356.3	-102.1	-355.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,373.0	7.11	344.02	4,350.4	356.5	-102.1	-355.2	0.00	0.00	0.00
4,374.0	7.11	344.02	4,351.4	356.6	-102.1	-355.3	0.00	0.00	0.00
4,375.0	7.11	344.02	4,352.4	356.7	-102.2	-355.4	0.00	0.00	0.00
4,376.0	7.11	344.02	4,353.4	356.8	-102.2	-355.5	0.00	0.00	0.00
4,377.0	7.11	344.02	4,354.4	356.9	-102.2	-355.6	0.00	0.00	0.00
4,378.0	7.11	344.02	4,355.4	357.1	-102.3	-355.7	0.00	0.00	0.00
4,379.0	7.11	344.02	4,356.4	357.2	-102.3	-355.9	0.00	0.00	0.00
4,380.0	7.11	344.02	4,357.4	357.3	-102.4	-356.0	0.00	0.00	0.00
4,381.0	7.11	344.02	4,358.4	357.4	-102.4	-356.1	0.00	0.00	0.00
4,382.0	7.11	344.02	4,359.3	357.5	-102.4	-356.2	0.00	0.00	0.00
4,383.0	7.11	344.02	4,360.3	357.7	-102.5	-356.3	0.00	0.00	0.00
4,384.0	7.11	344.02	4,361.3	357.8	-102.5	-356.5	0.00	0.00	0.00
4,385.0	7.11	344.02	4,362.3	357.9	-102.5	-356.6	0.00	0.00	0.00
4,386.0	7.11	344.02	4,363.3	358.0	-102.6	-356.7	0.00	0.00	0.00
4,387.0	7.11	344.02	4,364.3	358.1	-102.6	-356.8	0.00	0.00	0.00
4,388.0	7.11	344.02	4,365.3	358.3	-102.6	-356.9	0.00	0.00	0.00
4,389.0	7.11	344.02	4,366.3	358.4	-102.7	-357.1	0.00	0.00	0.00
4,390.0	7.11	344.02	4,367.3	358.5	-102.7	-357.2	0.00	0.00	0.00
4,391.0	7.11	344.02	4,368.3	358.6	-102.7	-357.3	0.00	0.00	0.00
4,392.0	7.11	344.02	4,369.3	358.7	-102.8	-357.4	0.00	0.00	0.00
4,393.0	7.11	344.02	4,370.3	358.8	-102.8	-357.5	0.00	0.00	0.00
4,394.0	7.11	344.02	4,371.3	359.0	-102.8	-357.6	0.00	0.00	0.00
4,395.0	7.11	344.02	4,372.2	359.1	-102.9	-357.8	0.00	0.00	0.00
4,396.0	7.11	344.02	4,373.2	359.2	-102.9	-357.9	0.00	0.00	0.00
4,397.0	7.11	344.02	4,374.2	359.3	-102.9	-358.0	0.00	0.00	0.00
4,398.0	7.11	344.02	4,375.2	359.4	-103.0	-358.1	0.00	0.00	0.00
4,399.0	7.11	344.02	4,376.2	359.6	-103.0	-358.2	0.00	0.00	0.00
4,400.0	7.11	344.02	4,377.2	359.7	-103.0	-358.4	0.00	0.00	0.00
4,401.0	7.11	344.02	4,378.2	359.8	-103.1	-358.5	0.00	0.00	0.00
4,402.0	7.11	344.02	4,379.2	359.9	-103.1	-358.6	0.00	0.00	0.00
4,403.0	7.11	344.02	4,380.2	360.0	-103.1	-358.7	0.00	0.00	0.00
4,404.0	7.11	344.02	4,381.2	360.2	-103.2	-358.8	0.00	0.00	0.00
4,405.0	7.11	344.02	4,382.2	360.3	-103.2	-359.0	0.00	0.00	0.00
4,406.0	7.11	344.02	4,383.2	360.4	-103.2	-359.1	0.00	0.00	0.00
4,407.0	7.11	344.02	4,384.2	360.5	-103.3	-359.2	0.00	0.00	0.00
4,408.0	7.11	344.02	4,385.1	360.6	-103.3	-359.3	0.00	0.00	0.00
4,409.0	7.11	344.02	4,386.1	360.8	-103.3	-359.4	0.00	0.00	0.00
4,410.0	7.11	344.02	4,387.1	360.9	-103.4	-359.5	0.00	0.00	0.00
4,411.0	7.11	344.02	4,388.1	361.0	-103.4	-359.7	0.00	0.00	0.00
4,412.0	7.11	344.02	4,389.1	361.1	-103.4	-359.8	0.00	0.00	0.00
4,413.0	7.11	344.02	4,390.1	361.2	-103.5	-359.9	0.00	0.00	0.00
4,414.0	7.11	344.02	4,391.1	361.3	-103.5	-360.0	0.00	0.00	0.00
4,415.0	7.11	344.02	4,392.1	361.5	-103.5	-360.1	0.00	0.00	0.00
4,416.0	7.11	344.02	4,393.1	361.6	-103.6	-360.3	0.00	0.00	0.00
4,417.0	7.11	344.02	4,394.1	361.7	-103.6	-360.4	0.00	0.00	0.00
4,418.0	7.11	344.02	4,395.1	361.8	-103.6	-360.5	0.00	0.00	0.00
4,419.0	7.11	344.02	4,396.1	361.9	-103.7	-360.6	0.00	0.00	0.00
4,420.0	7.11	344.02	4,397.1	362.1	-103.7	-360.7	0.00	0.00	0.00
4,421.0	7.11	344.02	4,398.0	362.2	-103.7	-360.8	0.00	0.00	0.00
4,422.0	7.11	344.02	4,399.0	362.3	-103.8	-361.0	0.00	0.00	0.00
4,423.0	7.11	344.02	4,400.0	362.4	-103.8	-361.1	0.00	0.00	0.00
4,424.0	7.11	344.02	4,401.0	362.5	-103.9	-361.2	0.00	0.00	0.00
4,425.0	7.11	344.02	4,402.0	362.7	-103.9	-361.3	0.00	0.00	0.00
4,426.0	7.11	344.02	4,403.0	362.8	-103.9	-361.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,427.0	7.11	344.02	4,404.0	362.9	-104.0	-361.6	0.00	0.00	0.00
4,428.0	7.11	344.02	4,405.0	363.0	-104.0	-361.7	0.00	0.00	0.00
4,429.0	7.11	344.02	4,406.0	363.1	-104.0	-361.8	0.00	0.00	0.00
4,430.0	7.11	344.02	4,407.0	363.3	-104.1	-361.9	0.00	0.00	0.00
4,431.0	7.11	344.02	4,408.0	363.4	-104.1	-362.0	0.00	0.00	0.00
4,432.0	7.11	344.02	4,409.0	363.5	-104.1	-362.2	0.00	0.00	0.00
4,433.0	7.11	344.02	4,410.0	363.6	-104.2	-362.3	0.00	0.00	0.00
4,434.0	7.11	344.02	4,410.9	363.7	-104.2	-362.4	0.00	0.00	0.00
4,435.0	7.11	344.02	4,411.9	363.8	-104.2	-362.5	0.00	0.00	0.00
4,436.0	7.11	344.02	4,412.9	364.0	-104.3	-362.6	0.00	0.00	0.00
4,437.0	7.11	344.02	4,413.9	364.1	-104.3	-362.7	0.00	0.00	0.00
4,438.0	7.11	344.02	4,414.9	364.2	-104.3	-362.9	0.00	0.00	0.00
4,439.0	7.11	344.02	4,415.9	364.3	-104.4	-363.0	0.00	0.00	0.00
4,440.0	7.11	344.02	4,416.9	364.4	-104.4	-363.1	0.00	0.00	0.00
4,441.0	7.11	344.02	4,417.9	364.6	-104.4	-363.2	0.00	0.00	0.00
4,442.0	7.11	344.02	4,418.9	364.7	-104.5	-363.3	0.00	0.00	0.00
4,443.0	7.11	344.02	4,419.9	364.8	-104.5	-363.5	0.00	0.00	0.00
4,444.0	7.11	344.02	4,420.9	364.9	-104.5	-363.6	0.00	0.00	0.00
4,445.0	7.11	344.02	4,421.9	365.0	-104.6	-363.7	0.00	0.00	0.00
4,446.0	7.11	344.02	4,422.9	365.2	-104.6	-363.8	0.00	0.00	0.00
4,447.0	7.11	344.02	4,423.8	365.3	-104.6	-363.9	0.00	0.00	0.00
4,448.0	7.11	344.02	4,424.8	365.4	-104.7	-364.0	0.00	0.00	0.00
4,449.0	7.11	344.02	4,425.8	365.5	-104.7	-364.2	0.00	0.00	0.00
4,450.0	7.11	344.02	4,426.8	365.6	-104.7	-364.3	0.00	0.00	0.00
4,451.0	7.11	344.02	4,427.8	365.7	-104.8	-364.4	0.00	0.00	0.00
4,452.0	7.11	344.02	4,428.8	365.9	-104.8	-364.5	0.00	0.00	0.00
4,453.0	7.11	344.02	4,429.8	366.0	-104.8	-364.6	0.00	0.00	0.00
4,454.0	7.11	344.02	4,430.8	366.1	-104.9	-364.8	0.00	0.00	0.00
4,455.0	7.11	344.02	4,431.8	366.2	-104.9	-364.9	0.00	0.00	0.00
4,456.0	7.11	344.02	4,432.8	366.3	-104.9	-365.0	0.00	0.00	0.00
4,457.0	7.11	344.02	4,433.8	366.5	-105.0	-365.1	0.00	0.00	0.00
4,458.0	7.11	344.02	4,434.8	366.6	-105.0	-365.2	0.00	0.00	0.00
4,459.0	7.11	344.02	4,435.8	366.7	-105.0	-365.4	0.00	0.00	0.00
4,460.0	7.11	344.02	4,436.7	366.8	-105.1	-365.5	0.00	0.00	0.00
4,461.0	7.11	344.02	4,437.7	366.9	-105.1	-365.6	0.00	0.00	0.00
4,462.0	7.11	344.02	4,438.7	367.1	-105.1	-365.7	0.00	0.00	0.00
4,463.0	7.11	344.02	4,439.7	367.2	-105.2	-365.8	0.00	0.00	0.00
4,464.0	7.11	344.02	4,440.7	367.3	-105.2	-365.9	0.00	0.00	0.00
4,465.0	7.11	344.02	4,441.7	367.4	-105.2	-366.1	0.00	0.00	0.00
4,466.0	7.11	344.02	4,442.7	367.5	-105.3	-366.2	0.00	0.00	0.00
4,467.0	7.11	344.02	4,443.7	367.7	-105.3	-366.3	0.00	0.00	0.00
4,468.0	7.11	344.02	4,444.7	367.8	-105.4	-366.4	0.00	0.00	0.00
4,469.0	7.11	344.02	4,445.7	367.9	-105.4	-366.5	0.00	0.00	0.00
4,470.0	7.11	344.02	4,446.7	368.0	-105.4	-366.7	0.00	0.00	0.00
4,471.0	7.11	344.02	4,447.7	368.1	-105.5	-366.8	0.00	0.00	0.00
4,472.0	7.11	344.02	4,448.7	368.2	-105.5	-366.9	0.00	0.00	0.00
4,473.0	7.11	344.02	4,449.6	368.4	-105.5	-367.0	0.00	0.00	0.00
4,474.0	7.11	344.02	4,450.6	368.5	-105.6	-367.1	0.00	0.00	0.00
4,475.0	7.11	344.02	4,451.6	368.6	-105.6	-367.2	0.00	0.00	0.00
4,476.0	7.11	344.02	4,452.6	368.7	-105.6	-367.4	0.00	0.00	0.00
4,477.0	7.11	344.02	4,453.6	368.8	-105.7	-367.5	0.00	0.00	0.00
4,478.0	7.11	344.02	4,454.6	369.0	-105.7	-367.6	0.00	0.00	0.00
4,479.0	7.11	344.02	4,455.6	369.1	-105.7	-367.7	0.00	0.00	0.00
4,480.0	7.11	344.02	4,456.6	369.2	-105.8	-367.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,481.0	7.11	344.02	4,457.6	369.3	-105.8	-368.0	0.00	0.00	0.00
4,482.0	7.11	344.02	4,458.6	369.4	-105.8	-368.1	0.00	0.00	0.00
4,483.0	7.11	344.02	4,459.6	369.6	-105.9	-368.2	0.00	0.00	0.00
4,484.0	7.11	344.02	4,460.6	369.7	-105.9	-368.3	0.00	0.00	0.00
4,485.0	7.11	344.02	4,461.6	369.8	-105.9	-368.4	0.00	0.00	0.00
4,486.0	7.11	344.02	4,462.5	369.9	-106.0	-368.6	0.00	0.00	0.00
4,487.0	7.11	344.02	4,463.5	370.0	-106.0	-368.7	0.00	0.00	0.00
4,488.0	7.11	344.02	4,464.5	370.2	-106.0	-368.8	0.00	0.00	0.00
4,489.0	7.11	344.02	4,465.5	370.3	-106.1	-368.9	0.00	0.00	0.00
4,490.0	7.11	344.02	4,466.5	370.4	-106.1	-369.0	0.00	0.00	0.00
4,491.0	7.11	344.02	4,467.5	370.5	-106.1	-369.1	0.00	0.00	0.00
4,492.0	7.11	344.02	4,468.5	370.6	-106.2	-369.3	0.00	0.00	0.00
4,493.0	7.11	344.02	4,469.5	370.7	-106.2	-369.4	0.00	0.00	0.00
4,494.0	7.11	344.02	4,470.5	370.9	-106.2	-369.5	0.00	0.00	0.00
4,495.0	7.11	344.02	4,471.5	371.0	-106.3	-369.6	0.00	0.00	0.00
4,496.0	7.11	344.02	4,472.5	371.1	-106.3	-369.7	0.00	0.00	0.00
4,497.0	7.11	344.02	4,473.5	371.2	-106.3	-369.9	0.00	0.00	0.00
4,498.0	7.11	344.02	4,474.5	371.3	-106.4	-370.0	0.00	0.00	0.00
4,499.0	7.11	344.02	4,475.4	371.5	-106.4	-370.1	0.00	0.00	0.00
4,500.0	7.11	344.02	4,476.4	371.6	-106.4	-370.2	0.00	0.00	0.00
4,501.0	7.11	344.02	4,477.4	371.7	-106.5	-370.3	0.00	0.00	0.00
4,502.0	7.11	344.02	4,478.4	371.8	-106.5	-370.5	0.00	0.00	0.00
4,503.0	7.11	344.02	4,479.4	371.9	-106.5	-370.6	0.00	0.00	0.00
4,504.0	7.11	344.02	4,480.4	372.1	-106.6	-370.7	0.00	0.00	0.00
4,505.0	7.11	344.02	4,481.4	372.2	-106.6	-370.8	0.00	0.00	0.00
4,506.0	7.11	344.02	4,482.4	372.3	-106.6	-370.9	0.00	0.00	0.00
4,507.0	7.11	344.02	4,483.4	372.4	-106.7	-371.0	0.00	0.00	0.00
4,508.0	7.11	344.02	4,484.4	372.5	-106.7	-371.2	0.00	0.00	0.00
4,509.0	7.11	344.02	4,485.4	372.7	-106.7	-371.3	0.00	0.00	0.00
4,510.0	7.11	344.02	4,486.4	372.8	-106.8	-371.4	0.00	0.00	0.00
4,511.0	7.11	344.02	4,487.4	372.9	-106.8	-371.5	0.00	0.00	0.00
4,512.0	7.11	344.02	4,488.3	373.0	-106.9	-371.6	0.00	0.00	0.00
4,513.0	7.11	344.02	4,489.3	373.1	-106.9	-371.8	0.00	0.00	0.00
4,514.0	7.11	344.02	4,490.3	373.2	-106.9	-371.9	0.00	0.00	0.00
4,515.0	7.11	344.02	4,491.3	373.4	-107.0	-372.0	0.00	0.00	0.00
4,516.0	7.11	344.02	4,492.3	373.5	-107.0	-372.1	0.00	0.00	0.00
4,517.0	7.11	344.02	4,493.3	373.6	-107.0	-372.2	0.00	0.00	0.00
4,518.0	7.11	344.02	4,494.3	373.7	-107.1	-372.3	0.00	0.00	0.00
4,519.0	7.11	344.02	4,495.3	373.8	-107.1	-372.5	0.00	0.00	0.00
4,520.0	7.11	344.02	4,496.3	374.0	-107.1	-372.6	0.00	0.00	0.00
4,521.0	7.11	344.02	4,497.3	374.1	-107.2	-372.7	0.00	0.00	0.00
4,522.0	7.11	344.02	4,498.3	374.2	-107.2	-372.8	0.00	0.00	0.00
4,523.0	7.11	344.02	4,499.3	374.3	-107.2	-372.9	0.00	0.00	0.00
4,524.0	7.11	344.02	4,500.3	374.4	-107.3	-373.1	0.00	0.00	0.00
4,525.0	7.11	344.02	4,501.2	374.6	-107.3	-373.2	0.00	0.00	0.00
4,526.0	7.11	344.02	4,502.2	374.7	-107.3	-373.3	0.00	0.00	0.00
4,527.0	7.11	344.02	4,503.2	374.8	-107.4	-373.4	0.00	0.00	0.00
4,528.0	7.11	344.02	4,504.2	374.9	-107.4	-373.5	0.00	0.00	0.00
4,529.0	7.11	344.02	4,505.2	375.0	-107.4	-373.7	0.00	0.00	0.00
4,530.0	7.11	344.02	4,506.2	375.2	-107.5	-373.8	0.00	0.00	0.00
4,531.0	7.11	344.02	4,507.2	375.3	-107.5	-373.9	0.00	0.00	0.00
4,532.0	7.11	344.02	4,508.2	375.4	-107.5	-374.0	0.00	0.00	0.00
4,533.0	7.11	344.02	4,509.2	375.5	-107.6	-374.1	0.00	0.00	0.00
4,534.0	7.11	344.02	4,510.2	375.6	-107.6	-374.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,535.0	7.11	344.02	4,511.2	375.7	-107.6	-374.4	0.00	0.00	0.00
4,536.0	7.11	344.02	4,512.2	375.9	-107.7	-374.5	0.00	0.00	0.00
4,537.0	7.11	344.02	4,513.2	376.0	-107.7	-374.6	0.00	0.00	0.00
4,538.0	7.11	344.02	4,514.1	376.1	-107.7	-374.7	0.00	0.00	0.00
4,539.0	7.11	344.02	4,515.1	376.2	-107.8	-374.8	0.00	0.00	0.00
4,540.0	7.11	344.02	4,516.1	376.3	-107.8	-375.0	0.00	0.00	0.00
4,541.0	7.11	344.02	4,517.1	376.5	-107.8	-375.1	0.00	0.00	0.00
4,542.0	7.11	344.02	4,518.1	376.6	-107.9	-375.2	0.00	0.00	0.00
4,543.0	7.11	344.02	4,519.1	376.7	-107.9	-375.3	0.00	0.00	0.00
4,544.0	7.11	344.02	4,520.1	376.8	-107.9	-375.4	0.00	0.00	0.00
4,545.0	7.11	344.02	4,521.1	376.9	-108.0	-375.5	0.00	0.00	0.00
4,546.0	7.11	344.02	4,522.1	377.1	-108.0	-375.7	0.00	0.00	0.00
4,547.0	7.11	344.02	4,523.1	377.2	-108.0	-375.8	0.00	0.00	0.00
4,548.0	7.11	344.02	4,524.1	377.3	-108.1	-375.9	0.00	0.00	0.00
4,549.0	7.11	344.02	4,525.1	377.4	-108.1	-376.0	0.00	0.00	0.00
4,550.0	7.11	344.02	4,526.1	377.5	-108.1	-376.1	0.00	0.00	0.00
4,551.0	7.11	344.02	4,527.0	377.6	-108.2	-376.3	0.00	0.00	0.00
4,552.0	7.11	344.02	4,528.0	377.8	-108.2	-376.4	0.00	0.00	0.00
4,553.0	7.11	344.02	4,529.0	377.9	-108.2	-376.5	0.00	0.00	0.00
4,554.0	7.11	344.02	4,530.0	378.0	-108.3	-376.6	0.00	0.00	0.00
4,555.0	7.11	344.02	4,531.0	378.1	-108.3	-376.7	0.00	0.00	0.00
4,556.0	7.11	344.02	4,532.0	378.2	-108.4	-376.9	0.00	0.00	0.00
4,557.0	7.11	344.02	4,533.0	378.4	-108.4	-377.0	0.00	0.00	0.00
4,558.0	7.11	344.02	4,534.0	378.5	-108.4	-377.1	0.00	0.00	0.00
4,559.0	7.11	344.02	4,535.0	378.6	-108.5	-377.2	0.00	0.00	0.00
4,560.0	7.11	344.02	4,536.0	378.7	-108.5	-377.3	0.00	0.00	0.00
4,561.0	7.11	344.02	4,537.0	378.8	-108.5	-377.4	0.00	0.00	0.00
4,562.0	7.11	344.02	4,538.0	379.0	-108.6	-377.6	0.00	0.00	0.00
4,563.0	7.11	344.02	4,539.0	379.1	-108.6	-377.7	0.00	0.00	0.00
4,564.0	7.11	344.02	4,539.9	379.2	-108.6	-377.8	0.00	0.00	0.00
4,565.0	7.11	344.02	4,540.9	379.3	-108.7	-377.9	0.00	0.00	0.00
4,566.0	7.11	344.02	4,541.9	379.4	-108.7	-378.0	0.00	0.00	0.00
4,567.0	7.11	344.02	4,542.9	379.6	-108.7	-378.2	0.00	0.00	0.00
4,568.0	7.11	344.02	4,543.9	379.7	-108.8	-378.3	0.00	0.00	0.00
4,569.0	7.11	344.02	4,544.9	379.8	-108.8	-378.4	0.00	0.00	0.00
4,570.0	7.11	344.02	4,545.9	379.9	-108.8	-378.5	0.00	0.00	0.00
4,571.0	7.11	344.02	4,546.9	380.0	-108.9	-378.6	0.00	0.00	0.00
4,572.0	7.11	344.02	4,547.9	380.1	-108.9	-378.8	0.00	0.00	0.00
4,573.0	7.11	344.02	4,548.9	380.3	-108.9	-378.9	0.00	0.00	0.00
4,574.0	7.11	344.02	4,549.9	380.4	-109.0	-379.0	0.00	0.00	0.00
4,575.0	7.11	344.02	4,550.9	380.5	-109.0	-379.1	0.00	0.00	0.00
4,576.0	7.11	344.02	4,551.9	380.6	-109.0	-379.2	0.00	0.00	0.00
4,577.0	7.11	344.02	4,552.8	380.7	-109.1	-379.3	0.00	0.00	0.00
4,578.0	7.11	344.02	4,553.8	380.9	-109.1	-379.5	0.00	0.00	0.00
4,579.0	7.11	344.02	4,554.8	381.0	-109.1	-379.6	0.00	0.00	0.00
4,580.0	7.11	344.02	4,555.8	381.1	-109.2	-379.7	0.00	0.00	0.00
4,581.0	7.11	344.02	4,556.8	381.2	-109.2	-379.8	0.00	0.00	0.00
4,582.0	7.11	344.02	4,557.8	381.3	-109.2	-379.9	0.00	0.00	0.00
4,583.0	7.11	344.02	4,558.8	381.5	-109.3	-380.1	0.00	0.00	0.00
4,584.0	7.11	344.02	4,559.8	381.6	-109.3	-380.2	0.00	0.00	0.00
4,585.0	7.11	344.02	4,560.8	381.7	-109.3	-380.3	0.00	0.00	0.00
4,586.0	7.11	344.02	4,561.8	381.8	-109.4	-380.4	0.00	0.00	0.00
4,587.0	7.11	344.02	4,562.8	381.9	-109.4	-380.5	0.00	0.00	0.00
4,588.0	7.11	344.02	4,563.8	382.1	-109.4	-380.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,589.0	7.11	344.02	4,564.8	382.2	-109.5	-380.8	0.00	0.00	0.00
4,590.0	7.11	344.02	4,565.7	382.3	-109.5	-380.9	0.00	0.00	0.00
4,591.0	7.11	344.02	4,566.7	382.4	-109.5	-381.0	0.00	0.00	0.00
4,592.0	7.11	344.02	4,567.7	382.5	-109.6	-381.1	0.00	0.00	0.00
4,593.0	7.11	344.02	4,568.7	382.6	-109.6	-381.2	0.00	0.00	0.00
4,594.0	7.11	344.02	4,569.7	382.8	-109.6	-381.4	0.00	0.00	0.00
4,595.0	7.11	344.02	4,570.7	382.9	-109.7	-381.5	0.00	0.00	0.00
4,596.0	7.11	344.02	4,571.7	383.0	-109.7	-381.6	0.00	0.00	0.00
4,597.0	7.11	344.02	4,572.7	383.1	-109.7	-381.7	0.00	0.00	0.00
4,598.0	7.11	344.02	4,573.7	383.2	-109.8	-381.8	0.00	0.00	0.00
4,599.0	7.11	344.02	4,574.7	383.4	-109.8	-382.0	0.00	0.00	0.00
4,600.0	7.11	344.02	4,575.7	383.5	-109.9	-382.1	0.00	0.00	0.00
4,601.0	7.11	344.02	4,576.7	383.6	-109.9	-382.2	0.00	0.00	0.00
4,602.0	7.11	344.02	4,577.7	383.7	-109.9	-382.3	0.00	0.00	0.00
4,603.0	7.11	344.02	4,578.6	383.8	-110.0	-382.4	0.00	0.00	0.00
4,604.0	7.11	344.02	4,579.6	384.0	-110.0	-382.5	0.00	0.00	0.00
4,605.0	7.11	344.02	4,580.6	384.1	-110.0	-382.7	0.00	0.00	0.00
4,606.0	7.11	344.02	4,581.6	384.2	-110.1	-382.8	0.00	0.00	0.00
4,607.0	7.11	344.02	4,582.6	384.3	-110.1	-382.9	0.00	0.00	0.00
4,608.0	7.11	344.02	4,583.6	384.4	-110.1	-383.0	0.00	0.00	0.00
4,609.0	7.11	344.02	4,584.6	384.6	-110.2	-383.1	0.00	0.00	0.00
4,610.0	7.11	344.02	4,585.6	384.7	-110.2	-383.3	0.00	0.00	0.00
4,611.0	7.11	344.02	4,586.6	384.8	-110.2	-383.4	0.00	0.00	0.00
4,612.0	7.11	344.02	4,587.6	384.9	-110.3	-383.5	0.00	0.00	0.00
4,613.0	7.11	344.02	4,588.6	385.0	-110.3	-383.6	0.00	0.00	0.00
4,614.0	7.11	344.02	4,589.6	385.1	-110.3	-383.7	0.00	0.00	0.00
4,615.0	7.11	344.02	4,590.6	385.3	-110.4	-383.8	0.00	0.00	0.00
4,616.0	7.11	344.02	4,591.5	385.4	-110.4	-384.0	0.00	0.00	0.00
4,617.0	7.11	344.02	4,592.5	385.5	-110.4	-384.1	0.00	0.00	0.00
4,618.0	7.11	344.02	4,593.5	385.6	-110.5	-384.2	0.00	0.00	0.00
4,619.0	7.11	344.02	4,594.5	385.7	-110.5	-384.3	0.00	0.00	0.00
4,620.0	7.11	344.02	4,595.5	385.9	-110.5	-384.4	0.00	0.00	0.00
4,621.0	7.11	344.02	4,596.5	386.0	-110.6	-384.6	0.00	0.00	0.00
4,622.0	7.11	344.02	4,597.5	386.1	-110.6	-384.7	0.00	0.00	0.00
4,623.0	7.11	344.02	4,598.5	386.2	-110.6	-384.8	0.00	0.00	0.00
4,624.0	7.11	344.02	4,599.5	386.3	-110.7	-384.9	0.00	0.00	0.00
4,625.0	7.11	344.02	4,600.5	386.5	-110.7	-385.0	0.00	0.00	0.00
4,626.0	7.11	344.02	4,601.5	386.6	-110.7	-385.2	0.00	0.00	0.00
4,627.0	7.11	344.02	4,602.5	386.7	-110.8	-385.3	0.00	0.00	0.00
4,628.0	7.11	344.02	4,603.5	386.8	-110.8	-385.4	0.00	0.00	0.00
4,629.0	7.11	344.02	4,604.4	386.9	-110.8	-385.5	0.00	0.00	0.00
4,630.0	7.11	344.02	4,605.4	387.1	-110.9	-385.6	0.00	0.00	0.00
4,631.0	7.11	344.02	4,606.4	387.2	-110.9	-385.7	0.00	0.00	0.00
4,632.0	7.11	344.02	4,607.4	387.3	-110.9	-385.9	0.00	0.00	0.00
4,633.0	7.11	344.02	4,608.4	387.4	-111.0	-386.0	0.00	0.00	0.00
4,634.0	7.11	344.02	4,609.4	387.5	-111.0	-386.1	0.00	0.00	0.00
4,635.0	7.11	344.02	4,610.4	387.6	-111.0	-386.2	0.00	0.00	0.00
4,636.0	7.11	344.02	4,611.4	387.8	-111.1	-386.3	0.00	0.00	0.00
4,637.0	7.11	344.02	4,612.4	387.9	-111.1	-386.5	0.00	0.00	0.00
4,638.0	7.11	344.02	4,613.4	388.0	-111.1	-386.6	0.00	0.00	0.00
4,639.0	7.11	344.02	4,614.4	388.1	-111.2	-386.7	0.00	0.00	0.00
4,640.0	7.11	344.02	4,615.4	388.2	-111.2	-386.8	0.00	0.00	0.00
4,641.0	7.11	344.02	4,616.4	388.4	-111.2	-386.9	0.00	0.00	0.00
4,642.0	7.11	344.02	4,617.3	388.5	-111.3	-387.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,643.0	7.11	344.02	4,618.3	388.6	-111.3	-387.2	0.00	0.00	0.00
4,644.0	7.11	344.02	4,619.3	388.7	-111.4	-387.3	0.00	0.00	0.00
4,645.0	7.11	344.02	4,620.3	388.8	-111.4	-387.4	0.00	0.00	0.00
4,646.0	7.11	344.02	4,621.3	389.0	-111.4	-387.5	0.00	0.00	0.00
4,647.0	7.11	344.02	4,622.3	389.1	-111.5	-387.6	0.00	0.00	0.00
4,648.0	7.11	344.02	4,623.3	389.2	-111.5	-387.8	0.00	0.00	0.00
4,649.0	7.11	344.02	4,624.3	389.3	-111.5	-387.9	0.00	0.00	0.00
4,650.0	7.11	344.02	4,625.3	389.4	-111.6	-388.0	0.00	0.00	0.00
4,651.0	7.11	344.02	4,626.3	389.6	-111.6	-388.1	0.00	0.00	0.00
4,652.0	7.11	344.02	4,627.3	389.7	-111.6	-388.2	0.00	0.00	0.00
4,653.0	7.11	344.02	4,628.3	389.8	-111.7	-388.4	0.00	0.00	0.00
4,654.0	7.11	344.02	4,629.3	389.9	-111.7	-388.5	0.00	0.00	0.00
4,655.0	7.11	344.02	4,630.2	390.0	-111.7	-388.6	0.00	0.00	0.00
4,656.0	7.11	344.02	4,631.2	390.1	-111.8	-388.7	0.00	0.00	0.00
4,657.0	7.11	344.02	4,632.2	390.3	-111.8	-388.8	0.00	0.00	0.00
4,658.0	7.11	344.02	4,633.2	390.4	-111.8	-388.9	0.00	0.00	0.00
4,659.0	7.11	344.02	4,634.2	390.5	-111.9	-389.1	0.00	0.00	0.00
4,660.0	7.11	344.02	4,635.2	390.6	-111.9	-389.2	0.00	0.00	0.00
4,661.0	7.11	344.02	4,636.2	390.7	-111.9	-389.3	0.00	0.00	0.00
4,662.0	7.11	344.02	4,637.2	390.9	-112.0	-389.4	0.00	0.00	0.00
4,663.0	7.11	344.02	4,638.2	391.0	-112.0	-389.5	0.00	0.00	0.00
4,664.0	7.11	344.02	4,639.2	391.1	-112.0	-389.7	0.00	0.00	0.00
4,665.0	7.11	344.02	4,640.2	391.2	-112.1	-389.8	0.00	0.00	0.00
4,666.0	7.11	344.02	4,641.2	391.3	-112.1	-389.9	0.00	0.00	0.00
4,667.0	7.11	344.02	4,642.2	391.5	-112.1	-390.0	0.00	0.00	0.00
4,668.0	7.11	344.02	4,643.1	391.6	-112.2	-390.1	0.00	0.00	0.00
4,669.0	7.11	344.02	4,644.1	391.7	-112.2	-390.3	0.00	0.00	0.00
4,670.0	7.11	344.02	4,645.1	391.8	-112.2	-390.4	0.00	0.00	0.00
4,671.0	7.11	344.02	4,646.1	391.9	-112.3	-390.5	0.00	0.00	0.00
4,672.0	7.11	344.02	4,647.1	392.0	-112.3	-390.6	0.00	0.00	0.00
4,673.0	7.11	344.02	4,648.1	392.2	-112.3	-390.7	0.00	0.00	0.00
4,674.0	7.11	344.02	4,649.1	392.3	-112.4	-390.8	0.00	0.00	0.00
4,675.0	7.11	344.02	4,650.1	392.4	-112.4	-391.0	0.00	0.00	0.00
4,676.0	7.11	344.02	4,651.1	392.5	-112.4	-391.1	0.00	0.00	0.00
4,677.0	7.11	344.02	4,652.1	392.6	-112.5	-391.2	0.00	0.00	0.00
4,678.0	7.11	344.02	4,653.1	392.8	-112.5	-391.3	0.00	0.00	0.00
4,679.0	7.11	344.02	4,654.1	392.9	-112.5	-391.4	0.00	0.00	0.00
4,680.0	7.11	344.02	4,655.1	393.0	-112.6	-391.6	0.00	0.00	0.00
4,681.0	7.11	344.02	4,656.0	393.1	-112.6	-391.7	0.00	0.00	0.00
4,682.0	7.11	344.02	4,657.0	393.2	-112.6	-391.8	0.00	0.00	0.00
4,683.0	7.11	344.02	4,658.0	393.4	-112.7	-391.9	0.00	0.00	0.00
4,684.0	7.11	344.02	4,659.0	393.5	-112.7	-392.0	0.00	0.00	0.00
4,685.0	7.11	344.02	4,660.0	393.6	-112.7	-392.1	0.00	0.00	0.00
4,686.0	7.11	344.02	4,661.0	393.7	-112.8	-392.3	0.00	0.00	0.00
4,687.0	7.11	344.02	4,662.0	393.8	-112.8	-392.4	0.00	0.00	0.00
4,688.0	7.11	344.02	4,663.0	394.0	-112.9	-392.5	0.00	0.00	0.00
4,689.0	7.11	344.02	4,664.0	394.1	-112.9	-392.6	0.00	0.00	0.00
4,690.0	7.11	344.02	4,665.0	394.2	-112.9	-392.7	0.00	0.00	0.00
4,691.0	7.11	344.02	4,666.0	394.3	-113.0	-392.9	0.00	0.00	0.00
4,692.0	7.11	344.02	4,667.0	394.4	-113.0	-393.0	0.00	0.00	0.00
4,693.0	7.11	344.02	4,668.0	394.5	-113.0	-393.1	0.00	0.00	0.00
4,694.0	7.11	344.02	4,668.9	394.7	-113.1	-393.2	0.00	0.00	0.00
4,695.0	7.11	344.02	4,669.9	394.8	-113.1	-393.3	0.00	0.00	0.00
4,696.0	7.11	344.02	4,670.9	394.9	-113.1	-393.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,697.0	7.11	344.02	4,671.9	395.0	-113.2	-393.6	0.00	0.00	0.00
4,698.0	7.11	344.02	4,672.9	395.1	-113.2	-393.7	0.00	0.00	0.00
4,699.0	7.11	344.02	4,673.9	395.3	-113.2	-393.8	0.00	0.00	0.00
4,700.0	7.11	344.02	4,674.9	395.4	-113.3	-393.9	0.00	0.00	0.00
4,701.0	7.11	344.02	4,675.9	395.5	-113.3	-394.0	0.00	0.00	0.00
4,702.0	7.11	344.02	4,676.9	395.6	-113.3	-394.2	0.00	0.00	0.00
4,703.0	7.11	344.02	4,677.9	395.7	-113.4	-394.3	0.00	0.00	0.00
4,704.0	7.11	344.02	4,678.9	395.9	-113.4	-394.4	0.00	0.00	0.00
4,705.0	7.11	344.02	4,679.9	396.0	-113.4	-394.5	0.00	0.00	0.00
4,706.0	7.11	344.02	4,680.9	396.1	-113.5	-394.6	0.00	0.00	0.00
4,707.0	7.11	344.02	4,681.8	396.2	-113.5	-394.8	0.00	0.00	0.00
4,708.0	7.11	344.02	4,682.8	396.3	-113.5	-394.9	0.00	0.00	0.00
4,709.0	7.11	344.02	4,683.8	396.5	-113.6	-395.0	0.00	0.00	0.00
4,710.0	7.11	344.02	4,684.8	396.6	-113.6	-395.1	0.00	0.00	0.00
4,711.0	7.11	344.02	4,685.8	396.7	-113.6	-395.2	0.00	0.00	0.00
4,712.0	7.11	344.02	4,686.8	396.8	-113.7	-395.3	0.00	0.00	0.00
4,713.0	7.11	344.02	4,687.8	396.9	-113.7	-395.5	0.00	0.00	0.00
4,714.0	7.11	344.02	4,688.8	397.0	-113.7	-395.6	0.00	0.00	0.00
4,715.0	7.11	344.02	4,689.8	397.2	-113.8	-395.7	0.00	0.00	0.00
4,716.0	7.11	344.02	4,690.8	397.3	-113.8	-395.8	0.00	0.00	0.00
4,717.0	7.11	344.02	4,691.8	397.4	-113.8	-395.9	0.00	0.00	0.00
4,718.0	7.11	344.02	4,692.8	397.5	-113.9	-396.1	0.00	0.00	0.00
4,719.0	7.11	344.02	4,693.8	397.6	-113.9	-396.2	0.00	0.00	0.00
4,720.0	7.11	344.02	4,694.7	397.8	-113.9	-396.3	0.00	0.00	0.00
4,721.0	7.11	344.02	4,695.7	397.9	-114.0	-396.4	0.00	0.00	0.00
4,722.0	7.11	344.02	4,696.7	398.0	-114.0	-396.5	0.00	0.00	0.00
4,723.0	7.11	344.02	4,697.7	398.1	-114.0	-396.7	0.00	0.00	0.00
4,724.0	7.11	344.02	4,698.7	398.2	-114.1	-396.8	0.00	0.00	0.00
4,725.0	7.11	344.02	4,699.7	398.4	-114.1	-396.9	0.00	0.00	0.00
4,726.0	7.11	344.02	4,700.7	398.5	-114.1	-397.0	0.00	0.00	0.00
4,727.0	7.11	344.02	4,701.7	398.6	-114.2	-397.1	0.00	0.00	0.00
4,728.0	7.11	344.02	4,702.7	398.7	-114.2	-397.2	0.00	0.00	0.00
4,729.0	7.11	344.02	4,703.7	398.8	-114.2	-397.4	0.00	0.00	0.00
4,730.0	7.11	344.02	4,704.7	399.0	-114.3	-397.5	0.00	0.00	0.00
4,731.0	7.11	344.02	4,705.7	399.1	-114.3	-397.6	0.00	0.00	0.00
4,732.0	7.11	344.02	4,706.7	399.2	-114.4	-397.7	0.00	0.00	0.00
4,733.0	7.11	344.02	4,707.6	399.3	-114.4	-397.8	0.00	0.00	0.00
4,734.0	7.11	344.02	4,708.6	399.4	-114.4	-398.0	0.00	0.00	0.00
4,735.0	7.11	344.02	4,709.6	399.5	-114.5	-398.1	0.00	0.00	0.00
4,736.0	7.11	344.02	4,710.6	399.7	-114.5	-398.2	0.00	0.00	0.00
4,737.0	7.11	344.02	4,711.6	399.8	-114.5	-398.3	0.00	0.00	0.00
4,738.0	7.11	344.02	4,712.6	399.9	-114.6	-398.4	0.00	0.00	0.00
4,739.0	7.11	344.02	4,713.6	400.0	-114.6	-398.6	0.00	0.00	0.00
4,740.0	7.11	344.02	4,714.6	400.1	-114.6	-398.7	0.00	0.00	0.00
4,741.0	7.11	344.02	4,715.6	400.3	-114.7	-398.8	0.00	0.00	0.00
4,742.0	7.11	344.02	4,716.6	400.4	-114.7	-398.9	0.00	0.00	0.00
4,743.0	7.11	344.02	4,717.6	400.5	-114.7	-399.0	0.00	0.00	0.00
4,744.0	7.11	344.02	4,718.6	400.6	-114.8	-399.1	0.00	0.00	0.00
4,745.0	7.11	344.02	4,719.6	400.7	-114.8	-399.3	0.00	0.00	0.00
4,746.0	7.11	344.02	4,720.5	400.9	-114.8	-399.4	0.00	0.00	0.00
4,747.0	7.11	344.02	4,721.5	401.0	-114.9	-399.5	0.00	0.00	0.00
4,748.0	7.11	344.02	4,722.5	401.1	-114.9	-399.6	0.00	0.00	0.00
4,749.0	7.11	344.02	4,723.5	401.2	-114.9	-399.7	0.00	0.00	0.00
4,750.0	7.11	344.02	4,724.5	401.3	-115.0	-399.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,751.0	7.11	344.02	4,725.5	401.5	-115.0	-400.0	0.00	0.00	0.00
4,752.0	7.11	344.02	4,726.5	401.6	-115.0	-400.1	0.00	0.00	0.00
4,753.0	7.11	344.02	4,727.5	401.7	-115.1	-400.2	0.00	0.00	0.00
4,754.0	7.11	344.02	4,728.5	401.8	-115.1	-400.3	0.00	0.00	0.00
4,755.0	7.11	344.02	4,729.5	401.9	-115.1	-400.4	0.00	0.00	0.00
4,756.0	7.11	344.02	4,730.5	402.0	-115.2	-400.6	0.00	0.00	0.00
4,757.0	7.11	344.02	4,731.5	402.2	-115.2	-400.7	0.00	0.00	0.00
4,758.0	7.11	344.02	4,732.5	402.3	-115.2	-400.8	0.00	0.00	0.00
4,759.0	7.11	344.02	4,733.4	402.4	-115.3	-400.9	0.00	0.00	0.00
4,760.0	7.11	344.02	4,734.4	402.5	-115.3	-401.0	0.00	0.00	0.00
4,761.0	7.11	344.02	4,735.4	402.6	-115.3	-401.2	0.00	0.00	0.00
4,762.0	7.11	344.02	4,736.4	402.8	-115.4	-401.3	0.00	0.00	0.00
4,763.0	7.11	344.02	4,737.4	402.9	-115.4	-401.4	0.00	0.00	0.00
4,764.0	7.11	344.02	4,738.4	403.0	-115.4	-401.5	0.00	0.00	0.00
4,765.0	7.11	344.02	4,739.4	403.1	-115.5	-401.6	0.00	0.00	0.00
4,766.0	7.11	344.02	4,740.4	403.2	-115.5	-401.8	0.00	0.00	0.00
4,767.0	7.11	344.02	4,741.4	403.4	-115.5	-401.9	0.00	0.00	0.00
4,768.0	7.11	344.02	4,742.4	403.5	-115.6	-402.0	0.00	0.00	0.00
4,769.0	7.11	344.02	4,743.4	403.6	-115.6	-402.1	0.00	0.00	0.00
4,770.0	7.11	344.02	4,744.4	403.7	-115.6	-402.2	0.00	0.00	0.00
4,771.0	7.11	344.02	4,745.4	403.8	-115.7	-402.3	0.00	0.00	0.00
4,772.0	7.11	344.02	4,746.3	403.9	-115.7	-402.5	0.00	0.00	0.00
4,773.0	7.11	344.02	4,747.3	404.1	-115.7	-402.6	0.00	0.00	0.00
4,774.0	7.11	344.02	4,748.3	404.2	-115.8	-402.7	0.00	0.00	0.00
4,775.0	7.11	344.02	4,749.3	404.3	-115.8	-402.8	0.00	0.00	0.00
4,776.0	7.11	344.02	4,750.3	404.4	-115.9	-402.9	0.00	0.00	0.00
4,777.0	7.11	344.02	4,751.3	404.5	-115.9	-403.1	0.00	0.00	0.00
4,778.0	7.11	344.02	4,752.3	404.7	-115.9	-403.2	0.00	0.00	0.00
4,779.0	7.11	344.02	4,753.3	404.8	-116.0	-403.3	0.00	0.00	0.00
4,780.0	7.11	344.02	4,754.3	404.9	-116.0	-403.4	0.00	0.00	0.00
4,781.0	7.11	344.02	4,755.3	405.0	-116.0	-403.5	0.00	0.00	0.00
4,782.0	7.11	344.02	4,756.3	405.1	-116.1	-403.6	0.00	0.00	0.00
4,783.0	7.11	344.02	4,757.3	405.3	-116.1	-403.8	0.00	0.00	0.00
4,784.0	7.11	344.02	4,758.3	405.4	-116.1	-403.9	0.00	0.00	0.00
4,785.0	7.11	344.02	4,759.2	405.5	-116.2	-404.0	0.00	0.00	0.00
4,786.0	7.11	344.02	4,760.2	405.6	-116.2	-404.1	0.00	0.00	0.00
4,787.0	7.11	344.02	4,761.2	405.7	-116.2	-404.2	0.00	0.00	0.00
4,788.0	7.11	344.02	4,762.2	405.9	-116.3	-404.4	0.00	0.00	0.00
4,789.0	7.11	344.02	4,763.2	406.0	-116.3	-404.5	0.00	0.00	0.00
4,790.0	7.11	344.02	4,764.2	406.1	-116.3	-404.6	0.00	0.00	0.00
4,791.0	7.11	344.02	4,765.2	406.2	-116.4	-404.7	0.00	0.00	0.00
4,792.0	7.11	344.02	4,766.2	406.3	-116.4	-404.8	0.00	0.00	0.00
4,793.0	7.11	344.02	4,767.2	406.4	-116.4	-405.0	0.00	0.00	0.00
4,794.0	7.11	344.02	4,768.2	406.6	-116.5	-405.1	0.00	0.00	0.00
4,795.0	7.11	344.02	4,769.2	406.7	-116.5	-405.2	0.00	0.00	0.00
4,796.0	7.11	344.02	4,770.2	406.8	-116.5	-405.3	0.00	0.00	0.00
4,797.0	7.11	344.02	4,771.2	406.9	-116.6	-405.4	0.00	0.00	0.00
4,798.0	7.11	344.02	4,772.1	407.0	-116.6	-405.5	0.00	0.00	0.00
4,799.0	7.11	344.02	4,773.1	407.2	-116.6	-405.7	0.00	0.00	0.00
4,800.0	7.11	344.02	4,774.1	407.3	-116.7	-405.8	0.00	0.00	0.00
4,801.0	7.11	344.02	4,775.1	407.4	-116.7	-405.9	0.00	0.00	0.00
4,802.0	7.11	344.02	4,776.1	407.5	-116.7	-406.0	0.00	0.00	0.00
4,803.0	7.11	344.02	4,777.1	407.6	-116.8	-406.1	0.00	0.00	0.00
4,804.0	7.11	344.02	4,778.1	407.8	-116.8	-406.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,805.0	7.11	344.02	4,779.1	407.9	-116.8	-406.4	0.00	0.00	0.00
4,806.0	7.11	344.02	4,780.1	408.0	-116.9	-406.5	0.00	0.00	0.00
4,807.0	7.11	344.02	4,781.1	408.1	-116.9	-406.6	0.00	0.00	0.00
4,808.0	7.11	344.02	4,782.1	408.2	-116.9	-406.7	0.00	0.00	0.00
4,809.0	7.11	344.02	4,783.1	408.4	-117.0	-406.9	0.00	0.00	0.00
4,810.0	7.11	344.02	4,784.1	408.5	-117.0	-407.0	0.00	0.00	0.00
4,811.0	7.11	344.02	4,785.0	408.6	-117.0	-407.1	0.00	0.00	0.00
4,812.0	7.11	344.02	4,786.0	408.7	-117.1	-407.2	0.00	0.00	0.00
4,813.0	7.11	344.02	4,787.0	408.8	-117.1	-407.3	0.00	0.00	0.00
4,814.0	7.11	344.02	4,788.0	408.9	-117.1	-407.4	0.00	0.00	0.00
4,815.0	7.11	344.02	4,789.0	409.1	-117.2	-407.6	0.00	0.00	0.00
4,816.0	7.11	344.02	4,790.0	409.2	-117.2	-407.7	0.00	0.00	0.00
4,817.0	7.11	344.02	4,791.0	409.3	-117.2	-407.8	0.00	0.00	0.00
4,818.0	7.11	344.02	4,792.0	409.4	-117.3	-407.9	0.00	0.00	0.00
4,819.0	7.11	344.02	4,793.0	409.5	-117.3	-408.0	0.00	0.00	0.00
4,820.0	7.11	344.02	4,794.0	409.7	-117.4	-408.2	0.00	0.00	0.00
4,821.0	7.11	344.02	4,795.0	409.8	-117.4	-408.3	0.00	0.00	0.00
4,822.0	7.11	344.02	4,796.0	409.9	-117.4	-408.4	0.00	0.00	0.00
4,823.0	7.11	344.02	4,797.0	410.0	-117.5	-408.5	0.00	0.00	0.00
4,824.0	7.11	344.02	4,797.9	410.1	-117.5	-408.6	0.00	0.00	0.00
4,825.0	7.11	344.02	4,798.9	410.3	-117.5	-408.7	0.00	0.00	0.00
4,826.0	7.11	344.02	4,799.9	410.4	-117.6	-408.9	0.00	0.00	0.00
4,827.0	7.11	344.02	4,800.9	410.5	-117.6	-409.0	0.00	0.00	0.00
4,828.0	7.11	344.02	4,801.9	410.6	-117.6	-409.1	0.00	0.00	0.00
4,829.0	7.11	344.02	4,802.9	410.7	-117.7	-409.2	0.00	0.00	0.00
4,830.0	7.11	344.02	4,803.9	410.9	-117.7	-409.3	0.00	0.00	0.00
4,831.0	7.11	344.02	4,804.9	411.0	-117.7	-409.5	0.00	0.00	0.00
4,832.0	7.11	344.02	4,805.9	411.1	-117.8	-409.6	0.00	0.00	0.00
4,833.0	7.11	344.02	4,806.9	411.2	-117.8	-409.7	0.00	0.00	0.00
4,834.0	7.11	344.02	4,807.9	411.3	-117.8	-409.8	0.00	0.00	0.00
4,835.0	7.11	344.02	4,808.9	411.4	-117.9	-409.9	0.00	0.00	0.00
4,836.0	7.11	344.02	4,809.9	411.6	-117.9	-410.1	0.00	0.00	0.00
4,837.0	7.11	344.02	4,810.8	411.7	-117.9	-410.2	0.00	0.00	0.00
4,838.0	7.11	344.02	4,811.8	411.8	-118.0	-410.3	0.00	0.00	0.00
4,839.0	7.11	344.02	4,812.8	411.9	-118.0	-410.4	0.00	0.00	0.00
4,840.0	7.11	344.02	4,813.8	412.0	-118.0	-410.5	0.00	0.00	0.00
4,841.0	7.11	344.02	4,814.8	412.2	-118.1	-410.6	0.00	0.00	0.00
4,842.0	7.11	344.02	4,815.8	412.3	-118.1	-410.8	0.00	0.00	0.00
4,843.0	7.11	344.02	4,816.8	412.4	-118.1	-410.9	0.00	0.00	0.00
4,844.0	7.11	344.02	4,817.8	412.5	-118.2	-411.0	0.00	0.00	0.00
4,845.0	7.11	344.02	4,818.8	412.6	-118.2	-411.1	0.00	0.00	0.00
4,846.0	7.11	344.02	4,819.8	412.8	-118.2	-411.2	0.00	0.00	0.00
4,847.0	7.11	344.02	4,820.8	412.9	-118.3	-411.4	0.00	0.00	0.00
4,848.0	7.11	344.02	4,821.8	413.0	-118.3	-411.5	0.00	0.00	0.00
4,849.0	7.11	344.02	4,822.8	413.1	-118.3	-411.6	0.00	0.00	0.00
4,850.0	7.11	344.02	4,823.7	413.2	-118.4	-411.7	0.00	0.00	0.00
4,851.0	7.11	344.02	4,824.7	413.4	-118.4	-411.8	0.00	0.00	0.00
4,852.0	7.11	344.02	4,825.7	413.5	-118.4	-411.9	0.00	0.00	0.00
4,853.0	7.11	344.02	4,826.7	413.6	-118.5	-412.1	0.00	0.00	0.00
4,854.0	7.11	344.02	4,827.7	413.7	-118.5	-412.2	0.00	0.00	0.00
4,855.0	7.11	344.02	4,828.7	413.8	-118.5	-412.3	0.00	0.00	0.00
4,856.0	7.11	344.02	4,829.7	413.9	-118.6	-412.4	0.00	0.00	0.00
4,857.0	7.11	344.02	4,830.7	414.1	-118.6	-412.5	0.00	0.00	0.00
4,858.0	7.11	344.02	4,831.7	414.2	-118.6	-412.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,859.0	7.11	344.02	4,832.7	414.3	-118.7	-412.8	0.00	0.00	0.00
4,860.0	7.11	344.02	4,833.7	414.4	-118.7	-412.9	0.00	0.00	0.00
4,861.0	7.11	344.02	4,834.7	414.5	-118.7	-413.0	0.00	0.00	0.00
4,862.0	7.11	344.02	4,835.7	414.7	-118.8	-413.1	0.00	0.00	0.00
4,863.0	7.11	344.02	4,836.6	414.8	-118.8	-413.3	0.00	0.00	0.00
4,864.0	7.11	344.02	4,837.6	414.9	-118.9	-413.4	0.00	0.00	0.00
4,865.0	7.11	344.02	4,838.6	415.0	-118.9	-413.5	0.00	0.00	0.00
4,866.0	7.11	344.02	4,839.6	415.1	-118.9	-413.6	0.00	0.00	0.00
4,867.0	7.11	344.02	4,840.6	415.3	-119.0	-413.7	0.00	0.00	0.00
4,868.0	7.11	344.02	4,841.6	415.4	-119.0	-413.8	0.00	0.00	0.00
4,869.0	7.11	344.02	4,842.6	415.5	-119.0	-414.0	0.00	0.00	0.00
4,870.0	7.11	344.02	4,843.6	415.6	-119.1	-414.1	0.00	0.00	0.00
4,871.0	7.11	344.02	4,844.6	415.7	-119.1	-414.2	0.00	0.00	0.00
4,872.0	7.11	344.02	4,845.6	415.8	-119.1	-414.3	0.00	0.00	0.00
4,873.0	7.11	344.02	4,846.6	416.0	-119.2	-414.4	0.00	0.00	0.00
4,874.0	7.11	344.02	4,847.6	416.1	-119.2	-414.6	0.00	0.00	0.00
4,875.0	7.11	344.02	4,848.6	416.2	-119.2	-414.7	0.00	0.00	0.00
4,876.0	7.11	344.02	4,849.5	416.3	-119.3	-414.8	0.00	0.00	0.00
4,877.0	7.11	344.02	4,850.5	416.4	-119.3	-414.9	0.00	0.00	0.00
4,878.0	7.11	344.02	4,851.5	416.6	-119.3	-415.0	0.00	0.00	0.00
4,879.0	7.11	344.02	4,852.5	416.7	-119.4	-415.1	0.00	0.00	0.00
4,880.0	7.11	344.02	4,853.5	416.8	-119.4	-415.3	0.00	0.00	0.00
4,881.0	7.11	344.02	4,854.5	416.9	-119.4	-415.4	0.00	0.00	0.00
4,882.0	7.11	344.02	4,855.5	417.0	-119.5	-415.5	0.00	0.00	0.00
4,883.0	7.11	344.02	4,856.5	417.2	-119.5	-415.6	0.00	0.00	0.00
4,884.0	7.11	344.02	4,857.5	417.3	-119.5	-415.7	0.00	0.00	0.00
4,885.0	7.11	344.02	4,858.5	417.4	-119.6	-415.9	0.00	0.00	0.00
4,886.0	7.11	344.02	4,859.5	417.5	-119.6	-416.0	0.00	0.00	0.00
4,887.0	7.11	344.02	4,860.5	417.6	-119.6	-416.1	0.00	0.00	0.00
4,888.0	7.11	344.02	4,861.5	417.8	-119.7	-416.2	0.00	0.00	0.00
4,889.0	7.11	344.02	4,862.4	417.9	-119.7	-416.3	0.00	0.00	0.00
4,890.0	7.11	344.02	4,863.4	418.0	-119.7	-416.5	0.00	0.00	0.00
4,891.0	7.11	344.02	4,864.4	418.1	-119.8	-416.6	0.00	0.00	0.00
4,892.0	7.11	344.02	4,865.4	418.2	-119.8	-416.7	0.00	0.00	0.00
4,893.0	7.11	344.02	4,866.4	418.3	-119.8	-416.8	0.00	0.00	0.00
4,894.0	7.11	344.02	4,867.4	418.5	-119.9	-416.9	0.00	0.00	0.00
4,895.0	7.11	344.02	4,868.4	418.6	-119.9	-417.0	0.00	0.00	0.00
4,896.0	7.11	344.02	4,869.4	418.7	-119.9	-417.2	0.00	0.00	0.00
4,897.0	7.11	344.02	4,870.4	418.8	-120.0	-417.3	0.00	0.00	0.00
4,898.0	7.11	344.02	4,871.4	418.9	-120.0	-417.4	0.00	0.00	0.00
4,899.0	7.11	344.02	4,872.4	419.1	-120.0	-417.5	0.00	0.00	0.00
4,900.0	7.11	344.02	4,873.4	419.2	-120.1	-417.6	0.00	0.00	0.00
4,901.0	7.11	344.02	4,874.4	419.3	-120.1	-417.8	0.00	0.00	0.00
4,902.0	7.11	344.02	4,875.3	419.4	-120.1	-417.9	0.00	0.00	0.00
4,903.0	7.11	344.02	4,876.3	419.5	-120.2	-418.0	0.00	0.00	0.00
4,904.0	7.11	344.02	4,877.3	419.7	-120.2	-418.1	0.00	0.00	0.00
4,905.0	7.11	344.02	4,878.3	419.8	-120.2	-418.2	0.00	0.00	0.00
4,906.0	7.11	344.02	4,879.3	419.9	-120.3	-418.4	0.00	0.00	0.00
4,907.0	7.11	344.02	4,880.3	420.0	-120.3	-418.5	0.00	0.00	0.00
4,908.0	7.11	344.02	4,881.3	420.1	-120.4	-418.6	0.00	0.00	0.00
4,909.0	7.11	344.02	4,882.3	420.3	-120.4	-418.7	0.00	0.00	0.00
4,910.0	7.11	344.02	4,883.3	420.4	-120.4	-418.8	0.00	0.00	0.00
4,911.0	7.11	344.02	4,884.3	420.5	-120.5	-418.9	0.00	0.00	0.00
4,912.0	7.11	344.02	4,885.3	420.6	-120.5	-419.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,913.0	7.11	344.02	4,886.3	420.7	-120.5	-419.2	0.00	0.00	0.00
4,914.0	7.11	344.02	4,887.3	420.8	-120.6	-419.3	0.00	0.00	0.00
4,915.0	7.11	344.02	4,888.2	421.0	-120.6	-419.4	0.00	0.00	0.00
4,916.0	7.11	344.02	4,889.2	421.1	-120.6	-419.5	0.00	0.00	0.00
4,917.0	7.11	344.02	4,890.2	421.2	-120.7	-419.7	0.00	0.00	0.00
4,918.0	7.11	344.02	4,891.2	421.3	-120.7	-419.8	0.00	0.00	0.00
4,919.0	7.11	344.02	4,892.2	421.4	-120.7	-419.9	0.00	0.00	0.00
4,920.0	7.11	344.02	4,893.2	421.6	-120.8	-420.0	0.00	0.00	0.00
4,921.0	7.11	344.02	4,894.2	421.7	-120.8	-420.1	0.00	0.00	0.00
4,922.0	7.11	344.02	4,895.2	421.8	-120.8	-420.2	0.00	0.00	0.00
4,923.0	7.11	344.02	4,896.2	421.9	-120.9	-420.4	0.00	0.00	0.00
4,924.0	7.11	344.02	4,897.2	422.0	-120.9	-420.5	0.00	0.00	0.00
4,925.0	7.11	344.02	4,898.2	422.2	-120.9	-420.6	0.00	0.00	0.00
4,926.0	7.11	344.02	4,899.2	422.3	-121.0	-420.7	0.00	0.00	0.00
4,927.0	7.11	344.02	4,900.2	422.4	-121.0	-420.8	0.00	0.00	0.00
4,928.0	7.11	344.02	4,901.1	422.5	-121.0	-421.0	0.00	0.00	0.00
4,929.0	7.11	344.02	4,902.1	422.6	-121.1	-421.1	0.00	0.00	0.00
4,930.0	7.11	344.02	4,903.1	422.8	-121.1	-421.2	0.00	0.00	0.00
4,931.0	7.11	344.02	4,904.1	422.9	-121.1	-421.3	0.00	0.00	0.00
4,932.0	7.11	344.02	4,905.1	423.0	-121.2	-421.4	0.00	0.00	0.00
4,933.0	7.11	344.02	4,906.1	423.1	-121.2	-421.6	0.00	0.00	0.00
4,934.0	7.11	344.02	4,907.1	423.2	-121.2	-421.7	0.00	0.00	0.00
4,935.0	7.11	344.02	4,908.1	423.3	-121.3	-421.8	0.00	0.00	0.00
4,936.0	7.11	344.02	4,909.1	423.5	-121.3	-421.9	0.00	0.00	0.00
4,937.0	7.11	344.02	4,910.1	423.6	-121.3	-422.0	0.00	0.00	0.00
4,938.0	7.11	344.02	4,911.1	423.7	-121.4	-422.1	0.00	0.00	0.00
4,939.0	7.11	344.02	4,912.1	423.8	-121.4	-422.3	0.00	0.00	0.00
4,940.0	7.11	344.02	4,913.1	423.9	-121.4	-422.4	0.00	0.00	0.00
4,941.0	7.11	344.02	4,914.0	424.1	-121.5	-422.5	0.00	0.00	0.00
4,942.0	7.11	344.02	4,915.0	424.2	-121.5	-422.6	0.00	0.00	0.00
4,943.0	7.11	344.02	4,916.0	424.3	-121.5	-422.7	0.00	0.00	0.00
4,944.0	7.11	344.02	4,917.0	424.4	-121.6	-422.9	0.00	0.00	0.00
4,945.0	7.11	344.02	4,918.0	424.5	-121.6	-423.0	0.00	0.00	0.00
4,946.0	7.11	344.02	4,919.0	424.7	-121.6	-423.1	0.00	0.00	0.00
4,947.0	7.11	344.02	4,920.0	424.8	-121.7	-423.2	0.00	0.00	0.00
4,948.0	7.11	344.02	4,921.0	424.9	-121.7	-423.3	0.00	0.00	0.00
4,949.0	7.11	344.02	4,922.0	425.0	-121.7	-423.4	0.00	0.00	0.00
4,950.0	7.11	344.02	4,923.0	425.1	-121.8	-423.6	0.00	0.00	0.00
4,951.0	7.11	344.02	4,924.0	425.3	-121.8	-423.7	0.00	0.00	0.00
4,952.0	7.11	344.02	4,925.0	425.4	-121.9	-423.8	0.00	0.00	0.00
4,953.0	7.11	344.02	4,926.0	425.5	-121.9	-423.9	0.00	0.00	0.00
4,954.0	7.11	344.02	4,926.9	425.6	-121.9	-424.0	0.00	0.00	0.00
4,955.0	7.11	344.02	4,927.9	425.7	-122.0	-424.2	0.00	0.00	0.00
4,956.0	7.11	344.02	4,928.9	425.8	-122.0	-424.3	0.00	0.00	0.00
4,957.0	7.11	344.02	4,929.9	426.0	-122.0	-424.4	0.00	0.00	0.00
4,958.0	7.11	344.02	4,930.9	426.1	-122.1	-424.5	0.00	0.00	0.00
4,959.0	7.11	344.02	4,931.9	426.2	-122.1	-424.6	0.00	0.00	0.00
4,960.0	7.11	344.02	4,932.9	426.3	-122.1	-424.8	0.00	0.00	0.00
4,961.0	7.11	344.02	4,933.9	426.4	-122.2	-424.9	0.00	0.00	0.00
4,962.0	7.11	344.02	4,934.9	426.6	-122.2	-425.0	0.00	0.00	0.00
4,963.0	7.11	344.02	4,935.9	426.7	-122.2	-425.1	0.00	0.00	0.00
4,964.0	7.11	344.02	4,936.9	426.8	-122.3	-425.2	0.00	0.00	0.00
4,965.0	7.11	344.02	4,937.9	426.9	-122.3	-425.3	0.00	0.00	0.00
4,966.0	7.11	344.02	4,938.9	427.0	-122.3	-425.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,967.0	7.11	344.02	4,939.8	427.2	-122.4	-425.6	0.00	0.00	0.00
4,968.0	7.11	344.02	4,940.8	427.3	-122.4	-425.7	0.00	0.00	0.00
4,969.0	7.11	344.02	4,941.8	427.4	-122.4	-425.8	0.00	0.00	0.00
4,970.0	7.11	344.02	4,942.8	427.5	-122.5	-425.9	0.00	0.00	0.00
4,971.0	7.11	344.02	4,943.8	427.6	-122.5	-426.1	0.00	0.00	0.00
4,972.0	7.11	344.02	4,944.8	427.7	-122.5	-426.2	0.00	0.00	0.00
4,973.0	7.11	344.02	4,945.8	427.9	-122.6	-426.3	0.00	0.00	0.00
4,974.0	7.11	344.02	4,946.8	428.0	-122.6	-426.4	0.00	0.00	0.00
4,975.0	7.11	344.02	4,947.8	428.1	-122.6	-426.5	0.00	0.00	0.00
4,976.0	7.11	344.02	4,948.8	428.2	-122.7	-426.7	0.00	0.00	0.00
4,977.0	7.11	344.02	4,949.8	428.3	-122.7	-426.8	0.00	0.00	0.00
4,978.0	7.11	344.02	4,950.8	428.5	-122.7	-426.9	0.00	0.00	0.00
4,979.0	7.11	344.02	4,951.8	428.6	-122.8	-427.0	0.00	0.00	0.00
4,980.0	7.11	344.02	4,952.7	428.7	-122.8	-427.1	0.00	0.00	0.00
4,981.0	7.11	344.02	4,953.7	428.8	-122.8	-427.2	0.00	0.00	0.00
4,982.0	7.11	344.02	4,954.7	428.9	-122.9	-427.4	0.00	0.00	0.00
4,983.0	7.11	344.02	4,955.7	429.1	-122.9	-427.5	0.00	0.00	0.00
4,984.0	7.11	344.02	4,956.7	429.2	-122.9	-427.6	0.00	0.00	0.00
4,985.0	7.11	344.02	4,957.7	429.3	-123.0	-427.7	0.00	0.00	0.00
4,986.0	7.11	344.02	4,958.7	429.4	-123.0	-427.8	0.00	0.00	0.00
4,987.0	7.11	344.02	4,959.7	429.5	-123.0	-428.0	0.00	0.00	0.00
4,988.0	7.11	344.02	4,960.7	429.7	-123.1	-428.1	0.00	0.00	0.00
4,989.0	7.11	344.02	4,961.7	429.8	-123.1	-428.2	0.00	0.00	0.00
4,990.0	7.11	344.02	4,962.7	429.9	-123.1	-428.3	0.00	0.00	0.00
4,991.0	7.11	344.02	4,963.7	430.0	-123.2	-428.4	0.00	0.00	0.00
4,992.0	7.11	344.02	4,964.7	430.1	-123.2	-428.5	0.00	0.00	0.00
4,993.0	7.11	344.02	4,965.6	430.2	-123.2	-428.7	0.00	0.00	0.00
4,994.0	7.11	344.02	4,966.6	430.4	-123.3	-428.8	0.00	0.00	0.00
4,995.0	7.11	344.02	4,967.6	430.5	-123.3	-428.9	0.00	0.00	0.00
4,996.0	7.11	344.02	4,968.6	430.6	-123.4	-429.0	0.00	0.00	0.00
4,997.0	7.11	344.02	4,969.6	430.7	-123.4	-429.1	0.00	0.00	0.00
4,998.0	7.11	344.02	4,970.6	430.8	-123.4	-429.3	0.00	0.00	0.00
4,999.0	7.11	344.02	4,971.6	431.0	-123.5	-429.4	0.00	0.00	0.00
5,000.0	7.11	344.02	4,972.6	431.1	-123.5	-429.5	0.00	0.00	0.00
5,001.0	7.11	344.02	4,973.6	431.2	-123.5	-429.6	0.00	0.00	0.00
5,002.0	7.11	344.02	4,974.6	431.3	-123.6	-429.7	0.00	0.00	0.00
5,003.0	7.11	344.02	4,975.6	431.4	-123.6	-429.9	0.00	0.00	0.00
5,004.0	7.11	344.02	4,976.6	431.6	-123.6	-430.0	0.00	0.00	0.00
5,005.0	7.11	344.02	4,977.6	431.7	-123.7	-430.1	0.00	0.00	0.00
5,006.0	7.11	344.02	4,978.5	431.8	-123.7	-430.2	0.00	0.00	0.00
5,007.0	7.11	344.02	4,979.5	431.9	-123.7	-430.3	0.00	0.00	0.00
5,008.0	7.11	344.02	4,980.5	432.0	-123.8	-430.4	0.00	0.00	0.00
5,009.0	7.11	344.02	4,981.5	432.2	-123.8	-430.6	0.00	0.00	0.00
5,010.0	7.11	344.02	4,982.5	432.3	-123.8	-430.7	0.00	0.00	0.00
5,011.0	7.11	344.02	4,983.5	432.4	-123.9	-430.8	0.00	0.00	0.00
5,012.0	7.11	344.02	4,984.5	432.5	-123.9	-430.9	0.00	0.00	0.00
5,013.0	7.11	344.02	4,985.5	432.6	-123.9	-431.0	0.00	0.00	0.00
5,014.0	7.11	344.02	4,986.5	432.7	-124.0	-431.2	0.00	0.00	0.00
5,015.0	7.11	344.02	4,987.5	432.9	-124.0	-431.3	0.00	0.00	0.00
5,016.0	7.11	344.02	4,988.5	433.0	-124.0	-431.4	0.00	0.00	0.00
5,017.0	7.11	344.02	4,989.5	433.1	-124.1	-431.5	0.00	0.00	0.00
5,018.0	7.11	344.02	4,990.5	433.2	-124.1	-431.6	0.00	0.00	0.00
5,019.0	7.11	344.02	4,991.4	433.3	-124.1	-431.7	0.00	0.00	0.00
5,020.0	7.11	344.02	4,992.4	433.5	-124.2	-431.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,021.0	7.11	344.02	4,993.4	433.6	-124.2	-432.0	0.00	0.00	0.00
5,022.0	7.11	344.02	4,994.4	433.7	-124.2	-432.1	0.00	0.00	0.00
5,023.0	7.11	344.02	4,995.4	433.8	-124.3	-432.2	0.00	0.00	0.00
5,024.0	7.11	344.02	4,996.4	433.9	-124.3	-432.3	0.00	0.00	0.00
5,025.0	7.11	344.02	4,997.4	434.1	-124.3	-432.5	0.00	0.00	0.00
5,026.0	7.11	344.02	4,998.4	434.2	-124.4	-432.6	0.00	0.00	0.00
5,027.0	7.11	344.02	4,999.4	434.3	-124.4	-432.7	0.00	0.00	0.00
5,028.0	7.11	344.02	5,000.4	434.4	-124.4	-432.8	0.00	0.00	0.00
5,029.0	7.11	344.02	5,001.4	434.5	-124.5	-432.9	0.00	0.00	0.00
5,030.0	7.11	344.02	5,002.4	434.7	-124.5	-433.1	0.00	0.00	0.00
5,031.0	7.11	344.02	5,003.4	434.8	-124.5	-433.2	0.00	0.00	0.00
5,032.0	7.11	344.02	5,004.3	434.9	-124.6	-433.3	0.00	0.00	0.00
5,033.0	7.11	344.02	5,005.3	435.0	-124.6	-433.4	0.00	0.00	0.00
5,034.0	7.11	344.02	5,006.3	435.1	-124.6	-433.5	0.00	0.00	0.00
5,035.0	7.11	344.02	5,007.3	435.2	-124.7	-433.6	0.00	0.00	0.00
5,036.0	7.11	344.02	5,008.3	435.4	-124.7	-433.8	0.00	0.00	0.00
5,037.0	7.11	344.02	5,009.3	435.5	-124.7	-433.9	0.00	0.00	0.00
5,038.0	7.11	344.02	5,010.3	435.6	-124.8	-434.0	0.00	0.00	0.00
5,039.0	7.11	344.02	5,011.3	435.7	-124.8	-434.1	0.00	0.00	0.00
5,040.0	7.11	344.02	5,012.3	435.8	-124.9	-434.2	0.00	0.00	0.00
5,041.0	7.11	344.02	5,013.3	436.0	-124.9	-434.4	0.00	0.00	0.00
5,042.0	7.11	344.02	5,014.3	436.1	-124.9	-434.5	0.00	0.00	0.00
5,043.0	7.11	344.02	5,015.3	436.2	-125.0	-434.6	0.00	0.00	0.00
5,044.0	7.11	344.02	5,016.3	436.3	-125.0	-434.7	0.00	0.00	0.00
5,045.0	7.11	344.02	5,017.2	436.4	-125.0	-434.8	0.00	0.00	0.00
5,046.0	7.11	344.02	5,018.2	436.6	-125.1	-435.0	0.00	0.00	0.00
5,047.0	7.11	344.02	5,019.2	436.7	-125.1	-435.1	0.00	0.00	0.00
5,048.0	7.11	344.02	5,020.2	436.8	-125.1	-435.2	0.00	0.00	0.00
5,049.0	7.11	344.02	5,021.2	436.9	-125.2	-435.3	0.00	0.00	0.00
5,050.0	7.11	344.02	5,022.2	437.0	-125.2	-435.4	0.00	0.00	0.00
5,051.0	7.11	344.02	5,023.2	437.2	-125.2	-435.5	0.00	0.00	0.00
5,052.0	7.11	344.02	5,024.2	437.3	-125.3	-435.7	0.00	0.00	0.00
5,053.0	7.11	344.02	5,025.2	437.4	-125.3	-435.8	0.00	0.00	0.00
5,054.0	7.11	344.02	5,026.2	437.5	-125.3	-435.9	0.00	0.00	0.00
5,055.0	7.11	344.02	5,027.2	437.6	-125.4	-436.0	0.00	0.00	0.00
5,056.0	7.11	344.02	5,028.2	437.7	-125.4	-436.1	0.00	0.00	0.00
5,057.0	7.11	344.02	5,029.2	437.9	-125.4	-436.3	0.00	0.00	0.00
5,058.0	7.11	344.02	5,030.1	438.0	-125.5	-436.4	0.00	0.00	0.00
5,059.0	7.11	344.02	5,031.1	438.1	-125.5	-436.5	0.00	0.00	0.00
5,060.0	7.11	344.02	5,032.1	438.2	-125.5	-436.6	0.00	0.00	0.00
5,061.0	7.11	344.02	5,033.1	438.3	-125.6	-436.7	0.00	0.00	0.00
5,062.0	7.11	344.02	5,034.1	438.5	-125.6	-436.8	0.00	0.00	0.00
5,063.0	7.11	344.02	5,035.1	438.6	-125.6	-437.0	0.00	0.00	0.00
5,064.0	7.11	344.02	5,036.1	438.7	-125.7	-437.1	0.00	0.00	0.00
5,065.0	7.11	344.02	5,037.1	438.8	-125.7	-437.2	0.00	0.00	0.00
5,066.0	7.11	344.02	5,038.1	438.9	-125.7	-437.3	0.00	0.00	0.00
5,067.0	7.11	344.02	5,039.1	439.1	-125.8	-437.4	0.00	0.00	0.00
5,068.0	7.11	344.02	5,040.1	439.2	-125.8	-437.6	0.00	0.00	0.00
5,069.0	7.11	344.02	5,041.1	439.3	-125.8	-437.7	0.00	0.00	0.00
5,070.0	7.11	344.02	5,042.1	439.4	-125.9	-437.8	0.00	0.00	0.00
5,071.0	7.11	344.02	5,043.0	439.5	-125.9	-437.9	0.00	0.00	0.00
5,072.0	7.11	344.02	5,044.0	439.7	-125.9	-438.0	0.00	0.00	0.00
5,073.0	7.11	344.02	5,045.0	439.8	-126.0	-438.2	0.00	0.00	0.00
5,074.0	7.11	344.02	5,046.0	439.9	-126.0	-438.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,075.0	7.11	344.02	5,047.0	440.0	-126.0	-438.4	0.00	0.00	0.00
5,076.0	7.11	344.02	5,048.0	440.1	-126.1	-438.5	0.00	0.00	0.00
5,077.0	7.11	344.02	5,049.0	440.2	-126.1	-438.6	0.00	0.00	0.00
5,078.0	7.11	344.02	5,050.0	440.4	-126.1	-438.7	0.00	0.00	0.00
5,079.0	7.11	344.02	5,051.0	440.5	-126.2	-438.9	0.00	0.00	0.00
5,080.0	7.11	344.02	5,052.0	440.6	-126.2	-439.0	0.00	0.00	0.00
5,081.0	7.11	344.02	5,053.0	440.7	-126.2	-439.1	0.00	0.00	0.00
5,082.0	7.11	344.02	5,054.0	440.8	-126.3	-439.2	0.00	0.00	0.00
5,083.0	7.11	344.02	5,055.0	441.0	-126.3	-439.3	0.00	0.00	0.00
5,084.0	7.11	344.02	5,055.9	441.1	-126.4	-439.5	0.00	0.00	0.00
5,085.0	7.11	344.02	5,056.9	441.2	-126.4	-439.6	0.00	0.00	0.00
5,086.0	7.11	344.02	5,057.9	441.3	-126.4	-439.7	0.00	0.00	0.00
5,087.0	7.11	344.02	5,058.9	441.4	-126.5	-439.8	0.00	0.00	0.00
5,088.0	7.11	344.02	5,059.9	441.6	-126.5	-439.9	0.00	0.00	0.00
5,089.0	7.11	344.02	5,060.9	441.7	-126.5	-440.0	0.00	0.00	0.00
5,090.0	7.11	344.02	5,061.9	441.8	-126.6	-440.2	0.00	0.00	0.00
5,091.0	7.11	344.02	5,062.9	441.9	-126.6	-440.3	0.00	0.00	0.00
5,092.0	7.11	344.02	5,063.9	442.0	-126.6	-440.4	0.00	0.00	0.00
5,093.0	7.11	344.02	5,064.9	442.1	-126.7	-440.5	0.00	0.00	0.00
5,094.0	7.11	344.02	5,065.9	442.3	-126.7	-440.6	0.00	0.00	0.00
5,095.0	7.11	344.02	5,066.9	442.4	-126.7	-440.8	0.00	0.00	0.00
5,096.0	7.11	344.02	5,067.9	442.5	-126.8	-440.9	0.00	0.00	0.00
5,097.0	7.11	344.02	5,068.8	442.6	-126.8	-441.0	0.00	0.00	0.00
5,098.0	7.11	344.02	5,069.8	442.7	-126.8	-441.1	0.00	0.00	0.00
5,099.0	7.11	344.02	5,070.8	442.9	-126.9	-441.2	0.00	0.00	0.00
5,100.0	7.11	344.02	5,071.8	443.0	-126.9	-441.4	0.00	0.00	0.00
5,101.0	7.11	344.02	5,072.8	443.1	-126.9	-441.5	0.00	0.00	0.00
5,102.0	7.11	344.02	5,073.8	443.2	-127.0	-441.6	0.00	0.00	0.00
5,103.0	7.11	344.02	5,074.8	443.3	-127.0	-441.7	0.00	0.00	0.00
5,104.0	7.11	344.02	5,075.8	443.5	-127.0	-441.8	0.00	0.00	0.00
5,105.0	7.11	344.02	5,076.8	443.6	-127.1	-441.9	0.00	0.00	0.00
5,106.0	7.11	344.02	5,077.8	443.7	-127.1	-442.1	0.00	0.00	0.00
5,107.0	7.11	344.02	5,078.8	443.8	-127.1	-442.2	0.00	0.00	0.00
5,108.0	7.11	344.02	5,079.8	443.9	-127.2	-442.3	0.00	0.00	0.00
5,109.0	7.11	344.02	5,080.8	444.1	-127.2	-442.4	0.00	0.00	0.00
5,110.0	7.11	344.02	5,081.7	444.2	-127.2	-442.5	0.00	0.00	0.00
5,111.0	7.11	344.02	5,082.7	444.3	-127.3	-442.7	0.00	0.00	0.00
5,112.0	7.11	344.02	5,083.7	444.4	-127.3	-442.8	0.00	0.00	0.00
5,113.0	7.11	344.02	5,084.7	444.5	-127.3	-442.9	0.00	0.00	0.00
5,114.0	7.11	344.02	5,085.7	444.6	-127.4	-443.0	0.00	0.00	0.00
5,115.0	7.11	344.02	5,086.7	444.8	-127.4	-443.1	0.00	0.00	0.00
5,116.0	7.11	344.02	5,087.7	444.9	-127.4	-443.2	0.00	0.00	0.00
5,117.0	7.11	344.02	5,088.7	445.0	-127.5	-443.4	0.00	0.00	0.00
5,118.0	7.11	344.02	5,089.7	445.1	-127.5	-443.5	0.00	0.00	0.00
5,119.0	7.11	344.02	5,090.7	445.2	-127.5	-443.6	0.00	0.00	0.00
5,120.0	7.11	344.02	5,091.7	445.4	-127.6	-443.7	0.00	0.00	0.00
5,121.0	7.11	344.02	5,092.7	445.5	-127.6	-443.8	0.00	0.00	0.00
5,122.0	7.11	344.02	5,093.7	445.6	-127.6	-444.0	0.00	0.00	0.00
5,123.0	7.11	344.02	5,094.6	445.7	-127.7	-444.1	0.00	0.00	0.00
5,124.0	7.11	344.02	5,095.6	445.8	-127.7	-444.2	0.00	0.00	0.00
5,125.0	7.11	344.02	5,096.6	446.0	-127.7	-444.3	0.00	0.00	0.00
5,126.0	7.11	344.02	5,097.6	446.1	-127.8	-444.4	0.00	0.00	0.00
5,127.0	7.11	344.02	5,098.6	446.2	-127.8	-444.6	0.00	0.00	0.00
5,128.0	7.11	344.02	5,099.6	446.3	-127.9	-444.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,129.0	7.11	344.02	5,100.6	446.4	-127.9	-444.8	0.00	0.00	0.00
5,130.0	7.11	344.02	5,101.6	446.6	-127.9	-444.9	0.00	0.00	0.00
5,131.0	7.11	344.02	5,102.6	446.7	-128.0	-445.0	0.00	0.00	0.00
5,132.0	7.11	344.02	5,103.6	446.8	-128.0	-445.1	0.00	0.00	0.00
5,133.0	7.11	344.02	5,104.6	446.9	-128.0	-445.3	0.00	0.00	0.00
5,134.0	7.11	344.02	5,105.6	447.0	-128.1	-445.4	0.00	0.00	0.00
5,135.0	7.11	344.02	5,106.6	447.1	-128.1	-445.5	0.00	0.00	0.00
5,136.0	7.11	344.02	5,107.5	447.3	-128.1	-445.6	0.00	0.00	0.00
5,137.0	7.11	344.02	5,108.5	447.4	-128.2	-445.7	0.00	0.00	0.00
5,138.0	7.11	344.02	5,109.5	447.5	-128.2	-445.9	0.00	0.00	0.00
5,139.0	7.11	344.02	5,110.5	447.6	-128.2	-446.0	0.00	0.00	0.00
5,140.0	7.11	344.02	5,111.5	447.7	-128.3	-446.1	0.00	0.00	0.00
5,141.0	7.11	344.02	5,112.5	447.9	-128.3	-446.2	0.00	0.00	0.00
5,142.0	7.11	344.02	5,113.5	448.0	-128.3	-446.3	0.00	0.00	0.00
5,143.0	7.11	344.02	5,114.5	448.1	-128.4	-446.5	0.00	0.00	0.00
5,144.0	7.11	344.02	5,115.5	448.2	-128.4	-446.6	0.00	0.00	0.00
5,145.0	7.11	344.02	5,116.5	448.3	-128.4	-446.7	0.00	0.00	0.00
5,146.0	7.11	344.02	5,117.5	448.5	-128.5	-446.8	0.00	0.00	0.00
5,147.0	7.11	344.02	5,118.5	448.6	-128.5	-446.9	0.00	0.00	0.00
5,148.0	7.11	344.02	5,119.5	448.7	-128.5	-447.0	0.00	0.00	0.00
5,149.0	7.11	344.02	5,120.4	448.8	-128.6	-447.2	0.00	0.00	0.00
5,150.0	7.11	344.02	5,121.4	448.9	-128.6	-447.3	0.00	0.00	0.00
5,151.0	7.11	344.02	5,122.4	449.1	-128.6	-447.4	0.00	0.00	0.00
5,152.0	7.11	344.02	5,123.4	449.2	-128.7	-447.5	0.00	0.00	0.00
5,153.0	7.11	344.02	5,124.4	449.3	-128.7	-447.6	0.00	0.00	0.00
5,154.0	7.11	344.02	5,125.4	449.4	-128.7	-447.8	0.00	0.00	0.00
5,155.0	7.11	344.02	5,126.4	449.5	-128.8	-447.9	0.00	0.00	0.00
5,156.0	7.11	344.02	5,127.4	449.6	-128.8	-448.0	0.00	0.00	0.00
5,157.0	7.11	344.02	5,128.4	449.8	-128.8	-448.1	0.00	0.00	0.00
5,158.0	7.11	344.02	5,129.4	449.9	-128.9	-448.2	0.00	0.00	0.00
5,159.0	7.11	344.02	5,130.4	450.0	-128.9	-448.3	0.00	0.00	0.00
5,160.0	7.11	344.02	5,131.4	450.1	-128.9	-448.5	0.00	0.00	0.00
5,161.0	7.11	344.02	5,132.4	450.2	-129.0	-448.6	0.00	0.00	0.00
5,162.0	7.11	344.02	5,133.3	450.4	-129.0	-448.7	0.00	0.00	0.00
5,163.0	7.11	344.02	5,134.3	450.5	-129.0	-448.8	0.00	0.00	0.00
5,164.0	7.11	344.02	5,135.3	450.6	-129.1	-448.9	0.00	0.00	0.00
5,165.0	7.11	344.02	5,136.3	450.7	-129.1	-449.1	0.00	0.00	0.00
5,166.0	7.11	344.02	5,137.3	450.8	-129.1	-449.2	0.00	0.00	0.00
5,167.0	7.11	344.02	5,138.3	451.0	-129.2	-449.3	0.00	0.00	0.00
5,168.0	7.11	344.02	5,139.3	451.1	-129.2	-449.4	0.00	0.00	0.00
5,169.0	7.11	344.02	5,140.3	451.2	-129.2	-449.5	0.00	0.00	0.00
5,170.0	7.11	344.02	5,141.3	451.3	-129.3	-449.7	0.00	0.00	0.00
5,171.0	7.11	344.02	5,142.3	451.4	-129.3	-449.8	0.00	0.00	0.00
5,172.0	7.11	344.02	5,143.3	451.6	-129.4	-449.9	0.00	0.00	0.00
5,173.0	7.11	344.02	5,144.3	451.7	-129.4	-450.0	0.00	0.00	0.00
5,174.0	7.11	344.02	5,145.3	451.8	-129.4	-450.1	0.00	0.00	0.00
5,175.0	7.11	344.02	5,146.2	451.9	-129.5	-450.2	0.00	0.00	0.00
5,176.0	7.11	344.02	5,147.2	452.0	-129.5	-450.4	0.00	0.00	0.00
5,177.0	7.11	344.02	5,148.2	452.1	-129.5	-450.5	0.00	0.00	0.00
5,178.0	7.11	344.02	5,149.2	452.3	-129.6	-450.6	0.00	0.00	0.00
5,179.0	7.11	344.02	5,150.2	452.4	-129.6	-450.7	0.00	0.00	0.00
5,180.0	7.11	344.02	5,151.2	452.5	-129.6	-450.8	0.00	0.00	0.00
5,181.0	7.11	344.02	5,152.2	452.6	-129.7	-451.0	0.00	0.00	0.00
5,182.0	7.11	344.02	5,153.2	452.7	-129.7	-451.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,183.0	7.11	344.02	5,154.2	452.9	-129.7	-451.2	0.00	0.00	0.00
5,184.0	7.11	344.02	5,155.2	453.0	-129.8	-451.3	0.00	0.00	0.00
5,185.0	7.11	344.02	5,156.2	453.1	-129.8	-451.4	0.00	0.00	0.00
5,186.0	7.11	344.02	5,157.2	453.2	-129.8	-451.5	0.00	0.00	0.00
5,187.0	7.11	344.02	5,158.2	453.3	-129.9	-451.7	0.00	0.00	0.00
5,188.0	7.11	344.02	5,159.1	453.5	-129.9	-451.8	0.00	0.00	0.00
5,189.0	7.11	344.02	5,160.1	453.6	-129.9	-451.9	0.00	0.00	0.00
5,190.0	7.11	344.02	5,161.1	453.7	-130.0	-452.0	0.00	0.00	0.00
5,191.0	7.11	344.02	5,162.1	453.8	-130.0	-452.1	0.00	0.00	0.00
5,192.0	7.11	344.02	5,163.1	453.9	-130.0	-452.3	0.00	0.00	0.00
5,193.0	7.11	344.02	5,164.1	454.0	-130.1	-452.4	0.00	0.00	0.00
5,194.0	7.11	344.02	5,165.1	454.2	-130.1	-452.5	0.00	0.00	0.00
5,195.0	7.11	344.02	5,166.1	454.3	-130.1	-452.6	0.00	0.00	0.00
5,196.0	7.11	344.02	5,167.1	454.4	-130.2	-452.7	0.00	0.00	0.00
5,197.0	7.11	344.02	5,168.1	454.5	-130.2	-452.9	0.00	0.00	0.00
5,198.0	7.11	344.02	5,169.1	454.6	-130.2	-453.0	0.00	0.00	0.00
5,199.0	7.11	344.02	5,170.1	454.8	-130.3	-453.1	0.00	0.00	0.00
5,200.0	7.11	344.02	5,171.1	454.9	-130.3	-453.2	0.00	0.00	0.00
5,201.0	7.11	344.02	5,172.0	455.0	-130.3	-453.3	0.00	0.00	0.00
5,202.0	7.11	344.02	5,173.0	455.1	-130.4	-453.4	0.00	0.00	0.00
5,203.0	7.11	344.02	5,174.0	455.2	-130.4	-453.6	0.00	0.00	0.00
5,204.0	7.11	344.02	5,175.0	455.4	-130.4	-453.7	0.00	0.00	0.00
5,205.0	7.11	344.02	5,176.0	455.5	-130.5	-453.8	0.00	0.00	0.00
5,206.0	7.11	344.02	5,177.0	455.6	-130.5	-453.9	0.00	0.00	0.00
5,207.0	7.11	344.02	5,178.0	455.7	-130.5	-454.0	0.00	0.00	0.00
5,208.0	7.11	344.02	5,179.0	455.8	-130.6	-454.2	0.00	0.00	0.00
5,209.0	7.11	344.02	5,180.0	456.0	-130.6	-454.3	0.00	0.00	0.00
5,210.0	7.11	344.02	5,181.0	456.1	-130.6	-454.4	0.00	0.00	0.00
5,211.0	7.11	344.02	5,182.0	456.2	-130.7	-454.5	0.00	0.00	0.00
5,212.0	7.11	344.02	5,183.0	456.3	-130.7	-454.6	0.00	0.00	0.00
5,213.0	7.11	344.02	5,184.0	456.4	-130.7	-454.8	0.00	0.00	0.00
5,214.0	7.11	344.02	5,184.9	456.5	-130.8	-454.9	0.00	0.00	0.00
5,215.0	7.11	344.02	5,185.9	456.7	-130.8	-455.0	0.00	0.00	0.00
5,216.0	7.11	344.02	5,186.9	456.8	-130.9	-455.1	0.00	0.00	0.00
5,217.0	7.11	344.02	5,187.9	456.9	-130.9	-455.2	0.00	0.00	0.00
5,218.0	7.11	344.02	5,188.9	457.0	-130.9	-455.3	0.00	0.00	0.00
5,219.0	7.11	344.02	5,189.9	457.1	-131.0	-455.5	0.00	0.00	0.00
5,220.0	7.11	344.02	5,190.9	457.3	-131.0	-455.6	0.00	0.00	0.00
5,221.0	7.11	344.02	5,191.9	457.4	-131.0	-455.7	0.00	0.00	0.00
5,222.0	7.11	344.02	5,192.9	457.5	-131.1	-455.8	0.00	0.00	0.00
5,223.0	7.11	344.02	5,193.9	457.6	-131.1	-455.9	0.00	0.00	0.00
5,224.0	7.11	344.02	5,194.9	457.7	-131.1	-456.1	0.00	0.00	0.00
5,225.0	7.11	344.02	5,195.9	457.9	-131.2	-456.2	0.00	0.00	0.00
5,226.0	7.11	344.02	5,196.9	458.0	-131.2	-456.3	0.00	0.00	0.00
5,227.0	7.11	344.02	5,197.8	458.1	-131.2	-456.4	0.00	0.00	0.00
5,228.0	7.11	344.02	5,198.8	458.2	-131.3	-456.5	0.00	0.00	0.00
5,229.0	7.11	344.02	5,199.8	458.3	-131.3	-456.6	0.00	0.00	0.00
5,230.0	7.11	344.02	5,200.8	458.5	-131.3	-456.8	0.00	0.00	0.00
5,231.0	7.11	344.02	5,201.8	458.6	-131.4	-456.9	0.00	0.00	0.00
5,232.0	7.11	344.02	5,202.8	458.7	-131.4	-457.0	0.00	0.00	0.00
5,233.0	7.11	344.02	5,203.8	458.8	-131.4	-457.1	0.00	0.00	0.00
5,234.0	7.11	344.02	5,204.8	458.9	-131.5	-457.2	0.00	0.00	0.00
5,235.0	7.11	344.02	5,205.8	459.0	-131.5	-457.4	0.00	0.00	0.00
5,236.0	7.11	344.02	5,206.8	459.2	-131.5	-457.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,237.0	7.11	344.02	5,207.8	459.3	-131.6	-457.6	0.00	0.00	0.00
5,238.0	7.11	344.02	5,208.8	459.4	-131.6	-457.7	0.00	0.00	0.00
5,239.0	7.11	344.02	5,209.8	459.5	-131.6	-457.8	0.00	0.00	0.00
5,240.0	7.11	344.02	5,210.7	459.6	-131.7	-458.0	0.00	0.00	0.00
5,241.0	7.11	344.02	5,211.7	459.8	-131.7	-458.1	0.00	0.00	0.00
5,242.0	7.11	344.02	5,212.7	459.9	-131.7	-458.2	0.00	0.00	0.00
5,243.0	7.11	344.02	5,213.7	460.0	-131.8	-458.3	0.00	0.00	0.00
5,244.0	7.11	344.02	5,214.7	460.1	-131.8	-458.4	0.00	0.00	0.00
5,245.0	7.11	344.02	5,215.7	460.2	-131.8	-458.5	0.00	0.00	0.00
5,246.0	7.11	344.02	5,216.7	460.4	-131.9	-458.7	0.00	0.00	0.00
5,247.0	7.11	344.02	5,217.7	460.5	-131.9	-458.8	0.00	0.00	0.00
5,248.0	7.11	344.02	5,218.7	460.6	-131.9	-458.9	0.00	0.00	0.00
5,249.0	7.11	344.02	5,219.7	460.7	-132.0	-459.0	0.00	0.00	0.00
5,250.0	7.11	344.02	5,220.7	460.8	-132.0	-459.1	0.00	0.00	0.00
5,251.0	7.11	344.02	5,221.7	461.0	-132.0	-459.3	0.00	0.00	0.00
5,252.0	7.11	344.02	5,222.7	461.1	-132.1	-459.4	0.00	0.00	0.00
5,253.0	7.11	344.02	5,223.6	461.2	-132.1	-459.5	0.00	0.00	0.00
5,254.0	7.11	344.02	5,224.6	461.3	-132.1	-459.6	0.00	0.00	0.00
5,255.0	7.11	344.02	5,225.6	461.4	-132.2	-459.7	0.00	0.00	0.00
5,256.0	7.11	344.02	5,226.6	461.5	-132.2	-459.8	0.00	0.00	0.00
5,257.0	7.11	344.02	5,227.6	461.7	-132.2	-460.0	0.00	0.00	0.00
5,258.0	7.11	344.02	5,228.6	461.8	-132.3	-460.1	0.00	0.00	0.00
5,259.0	7.11	344.02	5,229.6	461.9	-132.3	-460.2	0.00	0.00	0.00
5,260.0	7.11	344.02	5,230.6	462.0	-132.4	-460.3	0.00	0.00	0.00
5,261.0	7.11	344.02	5,231.6	462.1	-132.4	-460.4	0.00	0.00	0.00
5,262.0	7.11	344.02	5,232.6	462.3	-132.4	-460.6	0.00	0.00	0.00
5,263.0	7.11	344.02	5,233.6	462.4	-132.5	-460.7	0.00	0.00	0.00
5,264.0	7.11	344.02	5,234.6	462.5	-132.5	-460.8	0.00	0.00	0.00
5,265.0	7.11	344.02	5,235.6	462.6	-132.5	-460.9	0.00	0.00	0.00
5,266.0	7.11	344.02	5,236.5	462.7	-132.6	-461.0	0.00	0.00	0.00
5,267.0	7.11	344.02	5,237.5	462.9	-132.6	-461.2	0.00	0.00	0.00
5,268.0	7.11	344.02	5,238.5	463.0	-132.6	-461.3	0.00	0.00	0.00
5,269.0	7.11	344.02	5,239.5	463.1	-132.7	-461.4	0.00	0.00	0.00
5,270.0	7.11	344.02	5,240.5	463.2	-132.7	-461.5	0.00	0.00	0.00
5,271.0	7.11	344.02	5,241.5	463.3	-132.7	-461.6	0.00	0.00	0.00
5,272.0	7.11	344.02	5,242.5	463.5	-132.8	-461.7	0.00	0.00	0.00
5,273.0	7.11	344.02	5,243.5	463.6	-132.8	-461.9	0.00	0.00	0.00
5,274.0	7.11	344.02	5,244.5	463.7	-132.8	-462.0	0.00	0.00	0.00
5,275.0	7.11	344.02	5,245.5	463.8	-132.9	-462.1	0.00	0.00	0.00
5,276.0	7.11	344.02	5,246.5	463.9	-132.9	-462.2	0.00	0.00	0.00
5,277.0	7.11	344.02	5,247.5	464.0	-132.9	-462.3	0.00	0.00	0.00
5,278.0	7.11	344.02	5,248.5	464.2	-133.0	-462.5	0.00	0.00	0.00
5,279.0	7.11	344.02	5,249.4	464.3	-133.0	-462.6	0.00	0.00	0.00
5,280.0	7.11	344.02	5,250.4	464.4	-133.0	-462.7	0.00	0.00	0.00
5,281.0	7.11	344.02	5,251.4	464.5	-133.1	-462.8	0.00	0.00	0.00
5,282.0	7.11	344.02	5,252.4	464.6	-133.1	-462.9	0.00	0.00	0.00
5,283.0	7.11	344.02	5,253.4	464.8	-133.1	-463.1	0.00	0.00	0.00
5,284.0	7.11	344.02	5,254.4	464.9	-133.2	-463.2	0.00	0.00	0.00
5,285.0	7.11	344.02	5,255.4	465.0	-133.2	-463.3	0.00	0.00	0.00
5,286.0	7.11	344.02	5,256.4	465.1	-133.2	-463.4	0.00	0.00	0.00
5,287.0	7.11	344.02	5,257.4	465.2	-133.3	-463.5	0.00	0.00	0.00
5,288.0	7.11	344.02	5,258.4	465.4	-133.3	-463.6	0.00	0.00	0.00
5,289.0	7.11	344.02	5,259.4	465.5	-133.3	-463.8	0.00	0.00	0.00
5,290.0	7.11	344.02	5,260.4	465.6	-133.4	-463.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,291.0	7.11	344.02	5,261.4	465.7	-133.4	-464.0	0.00	0.00	0.00	
5,292.0	7.11	344.02	5,262.3	465.8	-133.4	-464.1	0.00	0.00	0.00	
5,293.0	7.11	344.02	5,263.3	465.9	-133.5	-464.2	0.00	0.00	0.00	
5,294.0	7.11	344.02	5,264.3	466.1	-133.5	-464.4	0.00	0.00	0.00	
5,295.0	7.11	344.02	5,265.3	466.2	-133.5	-464.5	0.00	0.00	0.00	
5,296.0	7.11	344.02	5,266.3	466.3	-133.6	-464.6	0.00	0.00	0.00	
5,297.0	7.11	344.02	5,267.3	466.4	-133.6	-464.7	0.00	0.00	0.00	
5,298.0	7.11	344.02	5,268.3	466.5	-133.6	-464.8	0.00	0.00	0.00	
5,299.0	7.11	344.02	5,269.3	466.7	-133.7	-464.9	0.00	0.00	0.00	
5,300.0	7.11	344.02	5,270.3	466.8	-133.7	-465.1	0.00	0.00	0.00	
5,301.0	7.11	344.02	5,271.3	466.9	-133.7	-465.2	0.00	0.00	0.00	
5,302.0	7.11	344.02	5,272.3	467.0	-133.8	-465.3	0.00	0.00	0.00	
5,303.0	7.11	344.02	5,273.3	467.1	-133.8	-465.4	0.00	0.00	0.00	
5,304.0	7.11	344.02	5,274.3	467.3	-133.9	-465.5	0.00	0.00	0.00	
5,305.0	7.11	344.02	5,275.2	467.4	-133.9	-465.7	0.00	0.00	0.00	
5,306.0	7.11	344.02	5,276.2	467.5	-133.9	-465.8	0.00	0.00	0.00	
5,307.0	7.11	344.02	5,277.2	467.6	-134.0	-465.9	0.00	0.00	0.00	
5,308.0	7.11	344.02	5,278.2	467.7	-134.0	-466.0	0.00	0.00	0.00	
5,309.0	7.11	344.02	5,279.2	467.9	-134.0	-466.1	0.00	0.00	0.00	
5,310.0	7.11	344.02	5,280.2	468.0	-134.1	-466.3	0.00	0.00	0.00	
5,311.0	7.11	344.02	5,281.2	468.1	-134.1	-466.4	0.00	0.00	0.00	
5,312.0	7.11	344.02	5,282.2	468.2	-134.1	-466.5	0.00	0.00	0.00	
5,313.0	7.11	344.02	5,283.2	468.3	-134.2	-466.6	0.00	0.00	0.00	
5,314.0	7.11	344.02	5,284.2	468.4	-134.2	-466.7	0.00	0.00	0.00	
5,315.0	7.11	344.02	5,285.2	468.6	-134.2	-466.8	0.00	0.00	0.00	
5,316.0	7.11	344.02	5,286.2	468.7	-134.3	-467.0	0.00	0.00	0.00	
5,317.0	7.11	344.02	5,287.2	468.8	-134.3	-467.1	0.00	0.00	0.00	
5,318.0	7.11	344.02	5,288.1	468.9	-134.3	-467.2	0.00	0.00	0.00	
5,319.0	7.11	344.02	5,289.1	469.0	-134.4	-467.3	0.00	0.00	0.00	
5,320.0	7.11	344.02	5,290.1	469.2	-134.4	-467.4	0.00	0.00	0.00	
5,321.0	7.11	344.02	5,291.1	469.3	-134.4	-467.6	0.00	0.00	0.00	
5,322.0	7.11	344.02	5,292.1	469.4	-134.5	-467.7	0.00	0.00	0.00	
5,323.0	7.11	344.02	5,293.1	469.5	-134.5	-467.8	0.00	0.00	0.00	
5,324.0	7.11	344.02	5,294.1	469.6	-134.5	-467.9	0.00	0.00	0.00	
5,325.0	7.11	344.02	5,295.1	469.8	-134.6	-468.0	0.00	0.00	0.00	
5,326.0	7.11	344.02	5,296.1	469.9	-134.6	-468.1	0.00	0.00	0.00	
5,327.0	7.11	344.02	5,297.1	470.0	-134.6	-468.3	0.00	0.00	0.00	
5,328.0	7.11	344.02	5,298.1	470.1	-134.7	-468.4	0.00	0.00	0.00	
5,329.0	7.11	344.02	5,299.1	470.2	-134.7	-468.5	0.00	0.00	0.00	
5,330.0	7.11	344.02	5,300.1	470.4	-134.7	-468.6	0.00	0.00	0.00	
5,331.0	7.11	344.02	5,301.0	470.5	-134.8	-468.7	0.00	0.00	0.00	
5,332.0	7.11	344.02	5,302.0	470.6	-134.8	-468.9	0.00	0.00	0.00	
5,333.0	7.11	344.02	5,303.0	470.7	-134.8	-469.0	0.00	0.00	0.00	
5,334.0	7.11	344.02	5,304.0	470.8	-134.9	-469.1	0.00	0.00	0.00	
5,335.0	7.11	344.02	5,305.0	470.9	-134.9	-469.2	0.00	0.00	0.00	
5,336.0	7.11	344.02	5,306.0	471.1	-134.9	-469.3	0.00	0.00	0.00	
5,337.0	7.11	344.02	5,307.0	471.2	-135.0	-469.5	0.00	0.00	0.00	
5,338.0	7.11	344.02	5,308.0	471.3	-135.0	-469.6	0.00	0.00	0.00	
5,339.0	7.11	344.02	5,309.0	471.4	-135.0	-469.7	0.00	0.00	0.00	
5,340.0	7.11	344.02	5,310.0	471.5	-135.1	-469.8	0.00	0.00	0.00	
5,341.0	7.11	344.02	5,311.0	471.7	-135.1	-469.9	0.00	0.00	0.00	
5,342.0	7.11	344.02	5,312.0	471.8	-135.1	-470.0	0.00	0.00	0.00	
5,343.0	7.11	344.02	5,313.0	471.9	-135.2	-470.2	0.00	0.00	0.00	
5,344.0	7.11	344.02	5,313.9	472.0	-135.2	-470.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,345.0	7.11	344.02	5,314.9	472.1	-135.2	-470.4	0.00	0.00	0.00
5,346.0	7.11	344.02	5,315.9	472.3	-135.3	-470.5	0.00	0.00	0.00
5,347.0	7.11	344.02	5,316.9	472.4	-135.3	-470.6	0.00	0.00	0.00
5,348.0	7.11	344.02	5,317.9	472.5	-135.4	-470.8	0.00	0.00	0.00
5,349.0	7.11	344.02	5,318.9	472.6	-135.4	-470.9	0.00	0.00	0.00
5,350.0	7.11	344.02	5,319.9	472.7	-135.4	-471.0	0.00	0.00	0.00
5,351.0	7.11	344.02	5,320.9	472.9	-135.5	-471.1	0.00	0.00	0.00
5,352.0	7.11	344.02	5,321.9	473.0	-135.5	-471.2	0.00	0.00	0.00
5,353.0	7.11	344.02	5,322.9	473.1	-135.5	-471.3	0.00	0.00	0.00
5,354.0	7.11	344.02	5,323.9	473.2	-135.6	-471.5	0.00	0.00	0.00
5,355.0	7.11	344.02	5,324.9	473.3	-135.6	-471.6	0.00	0.00	0.00
5,356.0	7.11	344.02	5,325.9	473.4	-135.6	-471.7	0.00	0.00	0.00
5,357.0	7.11	344.02	5,326.8	473.6	-135.7	-471.8	0.00	0.00	0.00
5,358.0	7.11	344.02	5,327.8	473.7	-135.7	-471.9	0.00	0.00	0.00
5,359.0	7.11	344.02	5,328.8	473.8	-135.7	-472.1	0.00	0.00	0.00
5,360.0	7.11	344.02	5,329.8	473.9	-135.8	-472.2	0.00	0.00	0.00
5,361.0	7.11	344.02	5,330.8	474.0	-135.8	-472.3	0.00	0.00	0.00
5,362.0	7.11	344.02	5,331.8	474.2	-135.8	-472.4	0.00	0.00	0.00
5,363.0	7.11	344.02	5,332.8	474.3	-135.9	-472.5	0.00	0.00	0.00
5,364.0	7.11	344.02	5,333.8	474.4	-135.9	-472.7	0.00	0.00	0.00
5,365.0	7.11	344.02	5,334.8	474.5	-135.9	-472.8	0.00	0.00	0.00
5,366.0	7.11	344.02	5,335.8	474.6	-136.0	-472.9	0.00	0.00	0.00
5,367.0	7.11	344.02	5,336.8	474.8	-136.0	-473.0	0.00	0.00	0.00
5,368.0	7.11	344.02	5,337.8	474.9	-136.0	-473.1	0.00	0.00	0.00
5,369.0	7.11	344.02	5,338.8	475.0	-136.1	-473.2	0.00	0.00	0.00
5,370.0	7.11	344.02	5,339.7	475.1	-136.1	-473.4	0.00	0.00	0.00
5,371.0	7.11	344.02	5,340.7	475.2	-136.1	-473.5	0.00	0.00	0.00
5,372.0	7.11	344.02	5,341.7	475.4	-136.2	-473.6	0.00	0.00	0.00
5,373.0	7.11	344.02	5,342.7	475.5	-136.2	-473.7	0.00	0.00	0.00
5,374.0	7.11	344.02	5,343.7	475.6	-136.2	-473.8	0.00	0.00	0.00
5,375.0	7.11	344.02	5,344.7	475.7	-136.3	-474.0	0.00	0.00	0.00
5,376.0	7.11	344.02	5,345.7	475.8	-136.3	-474.1	0.00	0.00	0.00
5,377.0	7.11	344.02	5,346.7	475.9	-136.3	-474.2	0.00	0.00	0.00
5,378.0	7.11	344.02	5,347.7	476.1	-136.4	-474.3	0.00	0.00	0.00
5,379.0	7.11	344.02	5,348.7	476.2	-136.4	-474.4	0.00	0.00	0.00
5,380.0	7.11	344.02	5,349.7	476.3	-136.4	-474.6	0.00	0.00	0.00
5,381.0	7.11	344.02	5,350.7	476.4	-136.5	-474.7	0.00	0.00	0.00
5,382.0	7.11	344.02	5,351.7	476.5	-136.5	-474.8	0.00	0.00	0.00
5,383.0	7.11	344.02	5,352.6	476.7	-136.5	-474.9	0.00	0.00	0.00
5,384.0	7.11	344.02	5,353.6	476.8	-136.6	-475.0	0.00	0.00	0.00
5,385.0	7.11	344.02	5,354.6	476.9	-136.6	-475.1	0.00	0.00	0.00
5,386.0	7.11	344.02	5,355.6	477.0	-136.6	-475.3	0.00	0.00	0.00
5,387.0	7.11	344.02	5,356.6	477.1	-136.7	-475.4	0.00	0.00	0.00
5,388.0	7.11	344.02	5,357.6	477.3	-136.7	-475.5	0.00	0.00	0.00
5,389.0	7.11	344.02	5,358.6	477.4	-136.7	-475.6	0.00	0.00	0.00
5,390.0	7.11	344.02	5,359.6	477.5	-136.8	-475.7	0.00	0.00	0.00
5,391.0	7.11	344.02	5,360.6	477.6	-136.8	-475.9	0.00	0.00	0.00
5,392.0	7.11	344.02	5,361.6	477.7	-136.9	-476.0	0.00	0.00	0.00
5,393.0	7.11	344.02	5,362.6	477.9	-136.9	-476.1	0.00	0.00	0.00
5,394.0	7.11	344.02	5,363.6	478.0	-136.9	-476.2	0.00	0.00	0.00
5,395.0	7.11	344.02	5,364.6	478.1	-137.0	-476.3	0.00	0.00	0.00
5,396.0	7.11	344.02	5,365.5	478.2	-137.0	-476.4	0.00	0.00	0.00
5,397.0	7.11	344.02	5,366.5	478.3	-137.0	-476.6	0.00	0.00	0.00
5,398.0	7.11	344.02	5,367.5	478.4	-137.1	-476.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,399.0	7.11	344.02	5,368.5	478.6	-137.1	-476.8	0.00	0.00	0.00
5,400.0	7.11	344.02	5,369.5	478.7	-137.1	-476.9	0.00	0.00	0.00
5,401.0	7.11	344.02	5,370.5	478.8	-137.2	-477.0	0.00	0.00	0.00
5,402.0	7.11	344.02	5,371.5	478.9	-137.2	-477.2	0.00	0.00	0.00
5,403.0	7.11	344.02	5,372.5	479.0	-137.2	-477.3	0.00	0.00	0.00
5,404.0	7.11	344.02	5,373.5	479.2	-137.3	-477.4	0.00	0.00	0.00
5,405.0	7.11	344.02	5,374.5	479.3	-137.3	-477.5	0.00	0.00	0.00
5,406.0	7.11	344.02	5,375.5	479.4	-137.3	-477.6	0.00	0.00	0.00
5,407.0	7.11	344.02	5,376.5	479.5	-137.4	-477.8	0.00	0.00	0.00
5,408.0	7.11	344.02	5,377.5	479.6	-137.4	-477.9	0.00	0.00	0.00
5,409.0	7.11	344.02	5,378.4	479.8	-137.4	-478.0	0.00	0.00	0.00
5,410.0	7.11	344.02	5,379.4	479.9	-137.5	-478.1	0.00	0.00	0.00
5,411.0	7.11	344.02	5,380.4	480.0	-137.5	-478.2	0.00	0.00	0.00
5,412.0	7.11	344.02	5,381.4	480.1	-137.5	-478.3	0.00	0.00	0.00
5,413.0	7.11	344.02	5,382.4	480.2	-137.6	-478.5	0.00	0.00	0.00
5,414.0	7.11	344.02	5,383.4	480.3	-137.6	-478.6	0.00	0.00	0.00
5,415.0	7.11	344.02	5,384.4	480.5	-137.6	-478.7	0.00	0.00	0.00
5,416.0	7.11	344.02	5,385.4	480.6	-137.7	-478.8	0.00	0.00	0.00
5,417.0	7.11	344.02	5,386.4	480.7	-137.7	-478.9	0.00	0.00	0.00
5,418.0	7.11	344.02	5,387.4	480.8	-137.7	-479.1	0.00	0.00	0.00
5,419.0	7.11	344.02	5,388.4	480.9	-137.8	-479.2	0.00	0.00	0.00
5,420.0	7.11	344.02	5,389.4	481.1	-137.8	-479.3	0.00	0.00	0.00
5,421.0	7.11	344.02	5,390.4	481.2	-137.8	-479.4	0.00	0.00	0.00
5,422.0	7.11	344.02	5,391.3	481.3	-137.9	-479.5	0.00	0.00	0.00
5,423.0	7.11	344.02	5,392.3	481.4	-137.9	-479.6	0.00	0.00	0.00
5,424.0	7.11	344.02	5,393.3	481.5	-137.9	-479.8	0.00	0.00	0.00
5,425.0	7.11	344.02	5,394.3	481.7	-138.0	-479.9	0.00	0.00	0.00
5,426.0	7.11	344.02	5,395.3	481.8	-138.0	-480.0	0.00	0.00	0.00
5,427.0	7.11	344.02	5,396.3	481.9	-138.0	-480.1	0.00	0.00	0.00
5,428.0	7.11	344.02	5,397.3	482.0	-138.1	-480.2	0.00	0.00	0.00
5,429.0	7.11	344.02	5,398.3	482.1	-138.1	-480.4	0.00	0.00	0.00
5,430.0	7.11	344.02	5,399.3	482.3	-138.1	-480.5	0.00	0.00	0.00
5,431.0	7.11	344.02	5,400.3	482.4	-138.2	-480.6	0.00	0.00	0.00
5,432.0	7.11	344.02	5,401.3	482.5	-138.2	-480.7	0.00	0.00	0.00
5,433.0	7.11	344.02	5,402.3	482.6	-138.2	-480.8	0.00	0.00	0.00
5,434.0	7.11	344.02	5,403.3	482.7	-138.3	-481.0	0.00	0.00	0.00
5,435.0	7.11	344.02	5,404.2	482.8	-138.3	-481.1	0.00	0.00	0.00
5,436.0	7.11	344.02	5,405.2	483.0	-138.3	-481.2	0.00	0.00	0.00
5,437.0	7.11	344.02	5,406.2	483.1	-138.4	-481.3	0.00	0.00	0.00
5,438.0	7.11	344.02	5,407.2	483.2	-138.4	-481.4	0.00	0.00	0.00
5,439.0	7.11	344.02	5,408.2	483.3	-138.5	-481.5	0.00	0.00	0.00
5,440.0	7.11	344.02	5,409.2	483.4	-138.5	-481.7	0.00	0.00	0.00
5,441.0	7.11	344.02	5,410.2	483.6	-138.5	-481.8	0.00	0.00	0.00
5,442.0	7.11	344.02	5,411.2	483.7	-138.6	-481.9	0.00	0.00	0.00
5,443.0	7.11	344.02	5,412.2	483.8	-138.6	-482.0	0.00	0.00	0.00
5,444.0	7.11	344.02	5,413.2	483.9	-138.6	-482.1	0.00	0.00	0.00
5,445.0	7.11	344.02	5,414.2	484.0	-138.7	-482.3	0.00	0.00	0.00
5,446.0	7.11	344.02	5,415.2	484.2	-138.7	-482.4	0.00	0.00	0.00
5,447.0	7.11	344.02	5,416.2	484.3	-138.7	-482.5	0.00	0.00	0.00
5,448.0	7.11	344.02	5,417.1	484.4	-138.8	-482.6	0.00	0.00	0.00
5,449.0	7.11	344.02	5,418.1	484.5	-138.8	-482.7	0.00	0.00	0.00
5,450.0	7.11	344.02	5,419.1	484.6	-138.8	-482.9	0.00	0.00	0.00
5,451.0	7.11	344.02	5,420.1	484.8	-138.9	-483.0	0.00	0.00	0.00
5,452.0	7.11	344.02	5,421.1	484.9	-138.9	-483.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,453.0	7.11	344.02	5,422.1	485.0	-138.9	-483.2	0.00	0.00	0.00
5,454.0	7.11	344.02	5,423.1	485.1	-139.0	-483.3	0.00	0.00	0.00
5,455.0	7.11	344.02	5,424.1	485.2	-139.0	-483.4	0.00	0.00	0.00
5,456.0	7.11	344.02	5,425.1	485.3	-139.0	-483.6	0.00	0.00	0.00
5,457.0	7.11	344.02	5,426.1	485.5	-139.1	-483.7	0.00	0.00	0.00
5,458.0	7.11	344.02	5,427.1	485.6	-139.1	-483.8	0.00	0.00	0.00
5,459.0	7.11	344.02	5,428.1	485.7	-139.1	-483.9	0.00	0.00	0.00
5,460.0	7.11	344.02	5,429.1	485.8	-139.2	-484.0	0.00	0.00	0.00
5,461.0	7.11	344.02	5,430.0	485.9	-139.2	-484.2	0.00	0.00	0.00
5,462.0	7.11	344.02	5,431.0	486.1	-139.2	-484.3	0.00	0.00	0.00
5,463.0	7.11	344.02	5,432.0	486.2	-139.3	-484.4	0.00	0.00	0.00
5,464.0	7.11	344.02	5,433.0	486.3	-139.3	-484.5	0.00	0.00	0.00
5,465.0	7.11	344.02	5,434.0	486.4	-139.3	-484.6	0.00	0.00	0.00
5,466.0	7.11	344.02	5,435.0	486.5	-139.4	-484.7	0.00	0.00	0.00
5,467.0	7.11	344.02	5,436.0	486.7	-139.4	-484.9	0.00	0.00	0.00
5,468.0	7.11	344.02	5,437.0	486.8	-139.4	-485.0	0.00	0.00	0.00
5,469.0	7.11	344.02	5,438.0	486.9	-139.5	-485.1	0.00	0.00	0.00
5,470.0	7.11	344.02	5,439.0	487.0	-139.5	-485.2	0.00	0.00	0.00
5,471.0	7.11	344.02	5,440.0	487.1	-139.5	-485.3	0.00	0.00	0.00
5,472.0	7.11	344.02	5,441.0	487.3	-139.6	-485.5	0.00	0.00	0.00
5,473.0	7.11	344.02	5,442.0	487.4	-139.6	-485.6	0.00	0.00	0.00
5,474.0	7.11	344.02	5,442.9	487.5	-139.6	-485.7	0.00	0.00	0.00
5,475.0	7.11	344.02	5,443.9	487.6	-139.7	-485.8	0.00	0.00	0.00
5,476.0	7.11	344.02	5,444.9	487.7	-139.7	-485.9	0.00	0.00	0.00
5,477.0	7.11	344.02	5,445.9	487.8	-139.7	-486.1	0.00	0.00	0.00
5,478.0	7.11	344.02	5,446.9	488.0	-139.8	-486.2	0.00	0.00	0.00
5,479.0	7.11	344.02	5,447.9	488.1	-139.8	-486.3	0.00	0.00	0.00
5,480.0	7.11	344.02	5,448.9	488.2	-139.8	-486.4	0.00	0.00	0.00
5,481.0	7.11	344.02	5,449.9	488.3	-139.9	-486.5	0.00	0.00	0.00
5,482.0	7.11	344.02	5,450.9	488.4	-139.9	-486.6	0.00	0.00	0.00
5,483.0	7.11	344.02	5,451.9	488.6	-140.0	-486.8	0.00	0.00	0.00
5,484.0	7.11	344.02	5,452.9	488.7	-140.0	-486.9	0.00	0.00	0.00
5,485.0	7.11	344.02	5,453.9	488.8	-140.0	-487.0	0.00	0.00	0.00
5,486.0	7.11	344.02	5,454.9	488.9	-140.1	-487.1	0.00	0.00	0.00
5,487.0	7.11	344.02	5,455.8	489.0	-140.1	-487.2	0.00	0.00	0.00
5,488.0	7.11	344.02	5,456.8	489.2	-140.1	-487.4	0.00	0.00	0.00
5,489.0	7.11	344.02	5,457.8	489.3	-140.2	-487.5	0.00	0.00	0.00
5,490.0	7.11	344.02	5,458.8	489.4	-140.2	-487.6	0.00	0.00	0.00
5,491.0	7.11	344.02	5,459.8	489.5	-140.2	-487.7	0.00	0.00	0.00
5,492.0	7.11	344.02	5,460.8	489.6	-140.3	-487.8	0.00	0.00	0.00
5,493.0	7.11	344.02	5,461.8	489.8	-140.3	-487.9	0.00	0.00	0.00
5,494.0	7.11	344.02	5,462.8	489.9	-140.3	-488.1	0.00	0.00	0.00
5,495.0	7.11	344.02	5,463.8	490.0	-140.4	-488.2	0.00	0.00	0.00
5,496.0	7.11	344.02	5,464.8	490.1	-140.4	-488.3	0.00	0.00	0.00
5,497.0	7.11	344.02	5,465.8	490.2	-140.4	-488.4	0.00	0.00	0.00
5,498.0	7.11	344.02	5,466.8	490.3	-140.5	-488.5	0.00	0.00	0.00
5,499.0	7.11	344.02	5,467.8	490.5	-140.5	-488.7	0.00	0.00	0.00
5,500.0	7.11	344.02	5,468.7	490.6	-140.5	-488.8	0.00	0.00	0.00
5,501.0	7.11	344.02	5,469.7	490.7	-140.6	-488.9	0.00	0.00	0.00
5,502.0	7.11	344.02	5,470.7	490.8	-140.6	-489.0	0.00	0.00	0.00
5,503.0	7.11	344.02	5,471.7	490.9	-140.6	-489.1	0.00	0.00	0.00
5,504.0	7.11	344.02	5,472.7	491.1	-140.7	-489.3	0.00	0.00	0.00
5,505.0	7.11	344.02	5,473.7	491.2	-140.7	-489.4	0.00	0.00	0.00
5,506.0	7.11	344.02	5,474.7	491.3	-140.7	-489.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,507.0	7.11	344.02	5,475.7	491.4	-140.8	-489.6	0.00	0.00	0.00
5,508.0	7.11	344.02	5,476.7	491.5	-140.8	-489.7	0.00	0.00	0.00
5,509.0	7.11	344.02	5,477.7	491.7	-140.8	-489.8	0.00	0.00	0.00
5,510.0	7.11	344.02	5,478.7	491.8	-140.9	-490.0	0.00	0.00	0.00
5,511.0	7.11	344.02	5,479.7	491.9	-140.9	-490.1	0.00	0.00	0.00
5,512.0	7.11	344.02	5,480.7	492.0	-140.9	-490.2	0.00	0.00	0.00
5,513.0	7.11	344.02	5,481.6	492.1	-141.0	-490.3	0.00	0.00	0.00
5,514.0	7.11	344.02	5,482.6	492.2	-141.0	-490.4	0.00	0.00	0.00
5,515.0	7.11	344.02	5,483.6	492.4	-141.0	-490.6	0.00	0.00	0.00
5,516.0	7.11	344.02	5,484.6	492.5	-141.1	-490.7	0.00	0.00	0.00
5,517.0	7.11	344.02	5,485.6	492.6	-141.1	-490.8	0.00	0.00	0.00
5,518.0	7.11	344.02	5,486.6	492.7	-141.1	-490.9	0.00	0.00	0.00
5,519.0	7.11	344.02	5,487.6	492.8	-141.2	-491.0	0.00	0.00	0.00
5,520.0	7.11	344.02	5,488.6	493.0	-141.2	-491.2	0.00	0.00	0.00
5,521.0	7.11	344.02	5,489.6	493.1	-141.2	-491.3	0.00	0.00	0.00
5,522.0	7.11	344.02	5,490.6	493.2	-141.3	-491.4	0.00	0.00	0.00
5,523.0	7.11	344.02	5,491.6	493.3	-141.3	-491.5	0.00	0.00	0.00
5,524.0	7.11	344.02	5,492.6	493.4	-141.3	-491.6	0.00	0.00	0.00
5,525.0	7.11	344.02	5,493.6	493.6	-141.4	-491.7	0.00	0.00	0.00
5,526.0	7.11	344.02	5,494.5	493.7	-141.4	-491.9	0.00	0.00	0.00
5,527.0	7.11	344.02	5,495.5	493.8	-141.5	-492.0	0.00	0.00	0.00
5,528.0	7.11	344.02	5,496.5	493.9	-141.5	-492.1	0.00	0.00	0.00
5,529.0	7.11	344.02	5,497.5	494.0	-141.5	-492.2	0.00	0.00	0.00
5,530.0	7.11	344.02	5,498.5	494.2	-141.6	-492.3	0.00	0.00	0.00
5,531.0	7.11	344.02	5,499.5	494.3	-141.6	-492.5	0.00	0.00	0.00
5,532.0	7.11	344.02	5,500.5	494.4	-141.6	-492.6	0.00	0.00	0.00
5,533.0	7.11	344.02	5,501.5	494.5	-141.7	-492.7	0.00	0.00	0.00
5,534.0	7.11	344.02	5,502.5	494.6	-141.7	-492.8	0.00	0.00	0.00
5,535.0	7.11	344.02	5,503.5	494.7	-141.7	-492.9	0.00	0.00	0.00
5,536.0	7.11	344.02	5,504.5	494.9	-141.8	-493.0	0.00	0.00	0.00
5,537.0	7.11	344.02	5,505.5	495.0	-141.8	-493.2	0.00	0.00	0.00
5,538.0	7.11	344.02	5,506.5	495.1	-141.8	-493.3	0.00	0.00	0.00
5,539.0	7.11	344.02	5,507.4	495.2	-141.9	-493.4	0.00	0.00	0.00
5,540.0	7.11	344.02	5,508.4	495.3	-141.9	-493.5	0.00	0.00	0.00
5,541.0	7.11	344.02	5,509.4	495.5	-141.9	-493.6	0.00	0.00	0.00
5,542.0	7.11	344.02	5,510.4	495.6	-142.0	-493.8	0.00	0.00	0.00
5,543.0	7.11	344.02	5,511.4	495.7	-142.0	-493.9	0.00	0.00	0.00
5,544.0	7.11	344.02	5,512.4	495.8	-142.0	-494.0	0.00	0.00	0.00
5,545.0	7.11	344.02	5,513.4	495.9	-142.1	-494.1	0.00	0.00	0.00
5,546.0	7.11	344.02	5,514.4	496.1	-142.1	-494.2	0.00	0.00	0.00
5,547.0	7.11	344.02	5,515.4	496.2	-142.1	-494.4	0.00	0.00	0.00
5,548.0	7.11	344.02	5,516.4	496.3	-142.2	-494.5	0.00	0.00	0.00
5,549.0	7.11	344.02	5,517.4	496.4	-142.2	-494.6	0.00	0.00	0.00
5,550.0	7.11	344.02	5,518.4	496.5	-142.2	-494.7	0.00	0.00	0.00
5,551.0	7.11	344.02	5,519.4	496.7	-142.3	-494.8	0.00	0.00	0.00
5,552.0	7.11	344.02	5,520.3	496.8	-142.3	-494.9	0.00	0.00	0.00
5,553.0	7.11	344.02	5,521.3	496.9	-142.3	-495.1	0.00	0.00	0.00
5,554.0	7.11	344.02	5,522.3	497.0	-142.4	-495.2	0.00	0.00	0.00
5,555.0	7.11	344.02	5,523.3	497.1	-142.4	-495.3	0.00	0.00	0.00
5,556.0	7.11	344.02	5,524.3	497.2	-142.4	-495.4	0.00	0.00	0.00
5,557.0	7.11	344.02	5,525.3	497.4	-142.5	-495.5	0.00	0.00	0.00
5,558.0	7.11	344.02	5,526.3	497.5	-142.5	-495.7	0.00	0.00	0.00
5,559.0	7.11	344.02	5,527.3	497.6	-142.5	-495.8	0.00	0.00	0.00
5,560.0	7.11	344.02	5,528.3	497.7	-142.6	-495.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,561.0	7.11	344.02	5,529.3	497.8	-142.6	-496.0	0.00	0.00	0.00
5,562.0	7.11	344.02	5,530.3	498.0	-142.6	-496.1	0.00	0.00	0.00
5,563.0	7.11	344.02	5,531.3	498.1	-142.7	-496.2	0.00	0.00	0.00
5,564.0	7.11	344.02	5,532.3	498.2	-142.7	-496.4	0.00	0.00	0.00
5,565.0	7.11	344.02	5,533.2	498.3	-142.7	-496.5	0.00	0.00	0.00
5,566.0	7.11	344.02	5,534.2	498.4	-142.8	-496.6	0.00	0.00	0.00
5,567.0	7.11	344.02	5,535.2	498.6	-142.8	-496.7	0.00	0.00	0.00
5,568.0	7.11	344.02	5,536.2	498.7	-142.8	-496.8	0.00	0.00	0.00
5,569.0	7.11	344.02	5,537.2	498.8	-142.9	-497.0	0.00	0.00	0.00
5,570.0	7.11	344.02	5,538.2	498.9	-142.9	-497.1	0.00	0.00	0.00
5,571.0	7.11	344.02	5,539.2	499.0	-143.0	-497.2	0.00	0.00	0.00
5,572.0	7.11	344.02	5,540.2	499.2	-143.0	-497.3	0.00	0.00	0.00
5,573.0	7.11	344.02	5,541.2	499.3	-143.0	-497.4	0.00	0.00	0.00
5,574.0	7.11	344.02	5,542.2	499.4	-143.1	-497.6	0.00	0.00	0.00
5,575.0	7.11	344.02	5,543.2	499.5	-143.1	-497.7	0.00	0.00	0.00
5,576.0	7.11	344.02	5,544.2	499.6	-143.1	-497.8	0.00	0.00	0.00
5,577.0	7.11	344.02	5,545.2	499.7	-143.2	-497.9	0.00	0.00	0.00
5,578.0	7.11	344.02	5,546.1	499.9	-143.2	-498.0	0.00	0.00	0.00
5,579.0	7.11	344.02	5,547.1	500.0	-143.2	-498.1	0.00	0.00	0.00
5,580.0	7.11	344.02	5,548.1	500.1	-143.3	-498.3	0.00	0.00	0.00
5,581.0	7.11	344.02	5,549.1	500.2	-143.3	-498.4	0.00	0.00	0.00
5,582.0	7.11	344.02	5,550.1	500.3	-143.3	-498.5	0.00	0.00	0.00
5,583.0	7.11	344.02	5,551.1	500.5	-143.4	-498.6	0.00	0.00	0.00
5,584.0	7.11	344.02	5,552.1	500.6	-143.4	-498.7	0.00	0.00	0.00
5,585.0	7.11	344.02	5,553.1	500.7	-143.4	-498.9	0.00	0.00	0.00
5,586.0	7.11	344.02	5,554.1	500.8	-143.5	-499.0	0.00	0.00	0.00
5,587.0	7.11	344.02	5,555.1	500.9	-143.5	-499.1	0.00	0.00	0.00
5,588.0	7.11	344.02	5,556.1	501.1	-143.5	-499.2	0.00	0.00	0.00
5,589.0	7.11	344.02	5,557.1	501.2	-143.6	-499.3	0.00	0.00	0.00
5,590.0	7.11	344.02	5,558.1	501.3	-143.6	-499.4	0.00	0.00	0.00
5,591.0	7.11	344.02	5,559.0	501.4	-143.6	-499.6	0.00	0.00	0.00
5,592.0	7.11	344.02	5,560.0	501.5	-143.7	-499.7	0.00	0.00	0.00
5,593.0	7.11	344.02	5,561.0	501.7	-143.7	-499.8	0.00	0.00	0.00
5,594.0	7.11	344.02	5,562.0	501.8	-143.7	-499.9	0.00	0.00	0.00
5,595.0	7.11	344.02	5,563.0	501.9	-143.8	-500.0	0.00	0.00	0.00
5,596.0	7.11	344.02	5,564.0	502.0	-143.8	-500.2	0.00	0.00	0.00
5,597.0	7.11	344.02	5,565.0	502.1	-143.8	-500.3	0.00	0.00	0.00
5,598.0	7.11	344.02	5,566.0	502.2	-143.9	-500.4	0.00	0.00	0.00
5,599.0	7.11	344.02	5,567.0	502.4	-143.9	-500.5	0.00	0.00	0.00
5,600.0	7.11	344.02	5,568.0	502.5	-143.9	-500.6	0.00	0.00	0.00
5,601.0	7.11	344.02	5,569.0	502.6	-144.0	-500.8	0.00	0.00	0.00
5,602.0	7.11	344.02	5,570.0	502.7	-144.0	-500.9	0.00	0.00	0.00
5,603.0	7.11	344.02	5,571.0	502.8	-144.0	-501.0	0.00	0.00	0.00
5,604.0	7.11	344.02	5,571.9	503.0	-144.1	-501.1	0.00	0.00	0.00
5,605.0	7.11	344.02	5,572.9	503.1	-144.1	-501.2	0.00	0.00	0.00
5,606.0	7.11	344.02	5,573.9	503.2	-144.1	-501.3	0.00	0.00	0.00
5,607.0	7.11	344.02	5,574.9	503.3	-144.2	-501.5	0.00	0.00	0.00
5,608.0	7.11	344.02	5,575.9	503.4	-144.2	-501.6	0.00	0.00	0.00
5,609.0	7.11	344.02	5,576.9	503.6	-144.2	-501.7	0.00	0.00	0.00
5,610.0	7.11	344.02	5,577.9	503.7	-144.3	-501.8	0.00	0.00	0.00
5,611.0	7.11	344.02	5,578.9	503.8	-144.3	-501.9	0.00	0.00	0.00
5,612.0	7.11	344.02	5,579.9	503.9	-144.3	-502.1	0.00	0.00	0.00
5,613.0	7.11	344.02	5,580.9	504.0	-144.4	-502.2	0.00	0.00	0.00
5,614.0	7.11	344.02	5,581.9	504.1	-144.4	-502.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,615.0	7.11	344.02	5,582.9	504.3	-144.5	-502.4	0.00	0.00	0.00
5,616.0	7.11	344.02	5,583.9	504.4	-144.5	-502.5	0.00	0.00	0.00
5,617.0	7.11	344.02	5,584.8	504.5	-144.5	-502.7	0.00	0.00	0.00
5,618.0	7.11	344.02	5,585.8	504.6	-144.6	-502.8	0.00	0.00	0.00
5,619.0	7.11	344.02	5,586.8	504.7	-144.6	-502.9	0.00	0.00	0.00
5,620.0	7.11	344.02	5,587.8	504.9	-144.6	-503.0	0.00	0.00	0.00
5,621.0	7.11	344.02	5,588.8	505.0	-144.7	-503.1	0.00	0.00	0.00
5,622.0	7.11	344.02	5,589.8	505.1	-144.7	-503.2	0.00	0.00	0.00
5,623.0	7.11	344.02	5,590.8	505.2	-144.7	-503.4	0.00	0.00	0.00
5,624.0	7.11	344.02	5,591.8	505.3	-144.8	-503.5	0.00	0.00	0.00
5,625.0	7.11	344.02	5,592.8	505.5	-144.8	-503.6	0.00	0.00	0.00
5,626.0	7.11	344.02	5,593.8	505.6	-144.8	-503.7	0.00	0.00	0.00
5,627.0	7.11	344.02	5,594.8	505.7	-144.9	-503.8	0.00	0.00	0.00
5,628.0	7.11	344.02	5,595.8	505.8	-144.9	-504.0	0.00	0.00	0.00
5,629.0	7.11	344.02	5,596.8	505.9	-144.9	-504.1	0.00	0.00	0.00
5,630.0	7.11	344.02	5,597.7	506.1	-145.0	-504.2	0.00	0.00	0.00
5,631.0	7.11	344.02	5,598.7	506.2	-145.0	-504.3	0.00	0.00	0.00
5,632.0	7.11	344.02	5,599.7	506.3	-145.0	-504.4	0.00	0.00	0.00
5,633.0	7.11	344.02	5,600.7	506.4	-145.1	-504.5	0.00	0.00	0.00
5,634.0	7.11	344.02	5,601.7	506.5	-145.1	-504.7	0.00	0.00	0.00
5,635.0	7.11	344.02	5,602.7	506.6	-145.1	-504.8	0.00	0.00	0.00
5,636.0	7.11	344.02	5,603.7	506.8	-145.2	-504.9	0.00	0.00	0.00
5,637.0	7.11	344.02	5,604.7	506.9	-145.2	-505.0	0.00	0.00	0.00
5,638.0	7.11	344.02	5,605.7	507.0	-145.2	-505.1	0.00	0.00	0.00
5,639.0	7.11	344.02	5,606.7	507.1	-145.3	-505.3	0.00	0.00	0.00
5,640.0	7.11	344.02	5,607.7	507.2	-145.3	-505.4	0.00	0.00	0.00
5,641.0	7.11	344.02	5,608.7	507.4	-145.3	-505.5	0.00	0.00	0.00
5,642.0	7.11	344.02	5,609.7	507.5	-145.4	-505.6	0.00	0.00	0.00
5,643.0	7.11	344.02	5,610.6	507.6	-145.4	-505.7	0.00	0.00	0.00
5,644.0	7.11	344.02	5,611.6	507.7	-145.4	-505.9	0.00	0.00	0.00
5,645.0	7.11	344.02	5,612.6	507.8	-145.5	-506.0	0.00	0.00	0.00
5,646.0	7.11	344.02	5,613.6	508.0	-145.5	-506.1	0.00	0.00	0.00
5,647.0	7.11	344.02	5,614.6	508.1	-145.5	-506.2	0.00	0.00	0.00
5,648.0	7.11	344.02	5,615.6	508.2	-145.6	-506.3	0.00	0.00	0.00
5,649.0	7.11	344.02	5,616.6	508.3	-145.6	-506.4	0.00	0.00	0.00
5,650.0	7.11	344.02	5,617.6	508.4	-145.6	-506.6	0.00	0.00	0.00
5,651.0	7.11	344.02	5,618.6	508.6	-145.7	-506.7	0.00	0.00	0.00
5,652.0	7.11	344.02	5,619.6	508.7	-145.7	-506.8	0.00	0.00	0.00
5,653.0	7.11	344.02	5,620.6	508.8	-145.7	-506.9	0.00	0.00	0.00
5,654.0	7.11	344.02	5,621.6	508.9	-145.8	-507.0	0.00	0.00	0.00
5,655.0	7.11	344.02	5,622.6	509.0	-145.8	-507.2	0.00	0.00	0.00
5,656.0	7.11	344.02	5,623.5	509.1	-145.8	-507.3	0.00	0.00	0.00
5,657.0	7.11	344.02	5,624.5	509.3	-145.9	-507.4	0.00	0.00	0.00
5,658.0	7.11	344.02	5,625.5	509.4	-145.9	-507.5	0.00	0.00	0.00
5,659.0	7.11	344.02	5,626.5	509.5	-146.0	-507.6	0.00	0.00	0.00
5,660.0	7.11	344.02	5,627.5	509.6	-146.0	-507.7	0.00	0.00	0.00
5,661.0	7.11	344.02	5,628.5	509.7	-146.0	-507.9	0.00	0.00	0.00
5,662.0	7.11	344.02	5,629.5	509.9	-146.1	-508.0	0.00	0.00	0.00
5,663.0	7.11	344.02	5,630.5	510.0	-146.1	-508.1	0.00	0.00	0.00
5,664.0	7.11	344.02	5,631.5	510.1	-146.1	-508.2	0.00	0.00	0.00
5,665.0	7.11	344.02	5,632.5	510.2	-146.2	-508.3	0.00	0.00	0.00
5,666.0	7.11	344.02	5,633.5	510.3	-146.2	-508.5	0.00	0.00	0.00
5,667.0	7.11	344.02	5,634.5	510.5	-146.2	-508.6	0.00	0.00	0.00
5,668.0	7.11	344.02	5,635.5	510.6	-146.3	-508.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,669.0	7.11	344.02	5,636.4	510.7	-146.3	-508.8	0.00	0.00	0.00
5,670.0	7.11	344.02	5,637.4	510.8	-146.3	-508.9	0.00	0.00	0.00
5,671.0	7.11	344.02	5,638.4	510.9	-146.4	-509.1	0.00	0.00	0.00
5,672.0	7.11	344.02	5,639.4	511.1	-146.4	-509.2	0.00	0.00	0.00
5,673.0	7.11	344.02	5,640.4	511.2	-146.4	-509.3	0.00	0.00	0.00
5,674.0	7.11	344.02	5,641.4	511.3	-146.5	-509.4	0.00	0.00	0.00
5,675.0	7.11	344.02	5,642.4	511.4	-146.5	-509.5	0.00	0.00	0.00
5,676.0	7.11	344.02	5,643.4	511.5	-146.5	-509.6	0.00	0.00	0.00
5,677.0	7.11	344.02	5,644.4	511.6	-146.6	-509.8	0.00	0.00	0.00
5,678.0	7.11	344.02	5,645.4	511.8	-146.6	-509.9	0.00	0.00	0.00
5,679.0	7.11	344.02	5,646.4	511.9	-146.6	-510.0	0.00	0.00	0.00
5,680.0	7.11	344.02	5,647.4	512.0	-146.7	-510.1	0.00	0.00	0.00
5,681.0	7.11	344.02	5,648.4	512.1	-146.7	-510.2	0.00	0.00	0.00
5,682.0	7.11	344.02	5,649.3	512.2	-146.7	-510.4	0.00	0.00	0.00
5,683.0	7.11	344.02	5,650.3	512.4	-146.8	-510.5	0.00	0.00	0.00
5,684.0	7.11	344.02	5,651.3	512.5	-146.8	-510.6	0.00	0.00	0.00
5,685.0	7.11	344.02	5,652.3	512.6	-146.8	-510.7	0.00	0.00	0.00
5,686.0	7.11	344.02	5,653.3	512.7	-146.9	-510.8	0.00	0.00	0.00
5,687.0	7.11	344.02	5,654.3	512.8	-146.9	-511.0	0.00	0.00	0.00
5,688.0	7.11	344.02	5,655.3	513.0	-146.9	-511.1	0.00	0.00	0.00
5,689.0	7.11	344.02	5,656.3	513.1	-147.0	-511.2	0.00	0.00	0.00
5,690.0	7.11	344.02	5,657.3	513.2	-147.0	-511.3	0.00	0.00	0.00
5,691.0	7.11	344.02	5,658.3	513.3	-147.0	-511.4	0.00	0.00	0.00
5,692.0	7.11	344.02	5,659.3	513.4	-147.1	-511.5	0.00	0.00	0.00
5,693.0	7.11	344.02	5,660.3	513.6	-147.1	-511.7	0.00	0.00	0.00
5,694.0	7.11	344.02	5,661.3	513.7	-147.1	-511.8	0.00	0.00	0.00
5,695.0	7.11	344.02	5,662.2	513.8	-147.2	-511.9	0.00	0.00	0.00
5,696.0	7.11	344.02	5,663.2	513.9	-147.2	-512.0	0.00	0.00	0.00
5,697.0	7.11	344.02	5,664.2	514.0	-147.2	-512.1	0.00	0.00	0.00
5,698.0	7.11	344.02	5,665.2	514.1	-147.3	-512.3	0.00	0.00	0.00
5,699.0	7.11	344.02	5,666.2	514.3	-147.3	-512.4	0.00	0.00	0.00
5,700.0	7.11	344.02	5,667.2	514.4	-147.3	-512.5	0.00	0.00	0.00
5,701.0	7.11	344.02	5,668.2	514.5	-147.4	-512.6	0.00	0.00	0.00
5,702.0	7.11	344.02	5,669.2	514.6	-147.4	-512.7	0.00	0.00	0.00
5,703.0	7.11	344.02	5,670.2	514.7	-147.5	-512.8	0.00	0.00	0.00
5,704.0	7.11	344.02	5,671.2	514.9	-147.5	-513.0	0.00	0.00	0.00
5,705.0	7.11	344.02	5,672.2	515.0	-147.5	-513.1	0.00	0.00	0.00
5,706.0	7.11	344.02	5,673.2	515.1	-147.6	-513.2	0.00	0.00	0.00
5,707.0	7.11	344.02	5,674.2	515.2	-147.6	-513.3	0.00	0.00	0.00
5,708.0	7.11	344.02	5,675.1	515.3	-147.6	-513.4	0.00	0.00	0.00
5,709.0	7.11	344.02	5,676.1	515.5	-147.7	-513.6	0.00	0.00	0.00
5,710.0	7.11	344.02	5,677.1	515.6	-147.7	-513.7	0.00	0.00	0.00
5,711.0	7.11	344.02	5,678.1	515.7	-147.7	-513.8	0.00	0.00	0.00
5,712.0	7.11	344.02	5,679.1	515.8	-147.8	-513.9	0.00	0.00	0.00
5,713.0	7.11	344.02	5,680.1	515.9	-147.8	-514.0	0.00	0.00	0.00
5,714.0	7.11	344.02	5,681.1	516.0	-147.8	-514.2	0.00	0.00	0.00
5,715.0	7.11	344.02	5,682.1	516.2	-147.9	-514.3	0.00	0.00	0.00
5,716.0	7.11	344.02	5,683.1	516.3	-147.9	-514.4	0.00	0.00	0.00
5,717.0	7.11	344.02	5,684.1	516.4	-147.9	-514.5	0.00	0.00	0.00
5,718.0	7.11	344.02	5,685.1	516.5	-148.0	-514.6	0.00	0.00	0.00
5,719.0	7.11	344.02	5,686.1	516.6	-148.0	-514.7	0.00	0.00	0.00
5,720.0	7.11	344.02	5,687.1	516.8	-148.0	-514.9	0.00	0.00	0.00
5,721.0	7.11	344.02	5,688.0	516.9	-148.1	-515.0	0.00	0.00	0.00
5,722.0	7.11	344.02	5,689.0	517.0	-148.1	-515.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,723.0	7.11	344.02	5,690.0	517.1	-148.1	-515.2	0.00	0.00	0.00
5,724.0	7.11	344.02	5,691.0	517.2	-148.2	-515.3	0.00	0.00	0.00
5,725.0	7.11	344.02	5,692.0	517.4	-148.2	-515.5	0.00	0.00	0.00
5,726.0	7.11	344.02	5,693.0	517.5	-148.2	-515.6	0.00	0.00	0.00
5,727.0	7.11	344.02	5,694.0	517.6	-148.3	-515.7	0.00	0.00	0.00
5,728.0	7.11	344.02	5,695.0	517.7	-148.3	-515.8	0.00	0.00	0.00
5,729.0	7.11	344.02	5,696.0	517.8	-148.3	-515.9	0.00	0.00	0.00
5,730.0	7.11	344.02	5,697.0	518.0	-148.4	-516.0	0.00	0.00	0.00
5,731.0	7.11	344.02	5,698.0	518.1	-148.4	-516.2	0.00	0.00	0.00
5,732.0	7.11	344.02	5,699.0	518.2	-148.4	-516.3	0.00	0.00	0.00
5,733.0	7.11	344.02	5,700.0	518.3	-148.5	-516.4	0.00	0.00	0.00
5,734.0	7.11	344.02	5,700.9	518.4	-148.5	-516.5	0.00	0.00	0.00
5,735.0	7.11	344.02	5,701.9	518.5	-148.5	-516.6	0.00	0.00	0.00
5,736.0	7.11	344.02	5,702.9	518.7	-148.6	-516.8	0.00	0.00	0.00
5,737.0	7.11	344.02	5,703.9	518.8	-148.6	-516.9	0.00	0.00	0.00
5,738.0	7.11	344.02	5,704.9	518.9	-148.6	-517.0	0.00	0.00	0.00
5,739.0	7.11	344.02	5,705.9	519.0	-148.7	-517.1	0.00	0.00	0.00
5,740.0	7.11	344.02	5,706.9	519.1	-148.7	-517.2	0.00	0.00	0.00
5,741.0	7.11	344.02	5,707.9	519.3	-148.7	-517.4	0.00	0.00	0.00
5,742.0	7.11	344.02	5,708.9	519.4	-148.8	-517.5	0.00	0.00	0.00
5,743.0	7.11	344.02	5,709.9	519.5	-148.8	-517.6	0.00	0.00	0.00
5,744.0	7.11	344.02	5,710.9	519.6	-148.8	-517.7	0.00	0.00	0.00
5,745.0	7.11	344.02	5,711.9	519.7	-148.9	-517.8	0.00	0.00	0.00
5,746.0	7.11	344.02	5,712.9	519.9	-148.9	-517.9	0.00	0.00	0.00
5,747.0	7.11	344.02	5,713.8	520.0	-149.0	-518.1	0.00	0.00	0.00
5,748.0	7.11	344.02	5,714.8	520.1	-149.0	-518.2	0.00	0.00	0.00
5,749.0	7.11	344.02	5,715.8	520.2	-149.0	-518.3	0.00	0.00	0.00
5,750.0	7.11	344.02	5,716.8	520.3	-149.1	-518.4	0.00	0.00	0.00
5,751.0	7.11	344.02	5,717.8	520.5	-149.1	-518.5	0.00	0.00	0.00
5,752.0	7.11	344.02	5,718.8	520.6	-149.1	-518.7	0.00	0.00	0.00
5,753.0	7.11	344.02	5,719.8	520.7	-149.2	-518.8	0.00	0.00	0.00
5,754.0	7.11	344.02	5,720.8	520.8	-149.2	-518.9	0.00	0.00	0.00
5,755.0	7.11	344.02	5,721.8	520.9	-149.2	-519.0	0.00	0.00	0.00
5,756.0	7.11	344.02	5,722.8	521.0	-149.3	-519.1	0.00	0.00	0.00
5,757.0	7.11	344.02	5,723.8	521.2	-149.3	-519.2	0.00	0.00	0.00
5,758.0	7.11	344.02	5,724.8	521.3	-149.3	-519.4	0.00	0.00	0.00
5,759.0	7.11	344.02	5,725.8	521.4	-149.4	-519.5	0.00	0.00	0.00
5,760.0	7.11	344.02	5,726.7	521.5	-149.4	-519.6	0.00	0.00	0.00
5,761.0	7.11	344.02	5,727.7	521.6	-149.4	-519.7	0.00	0.00	0.00
5,762.0	7.11	344.02	5,728.7	521.8	-149.5	-519.8	0.00	0.00	0.00
5,763.0	7.11	344.02	5,729.7	521.9	-149.5	-520.0	0.00	0.00	0.00
5,764.0	7.11	344.02	5,730.7	522.0	-149.5	-520.1	0.00	0.00	0.00
5,765.0	7.11	344.02	5,731.7	522.1	-149.6	-520.2	0.00	0.00	0.00
5,766.0	7.11	344.02	5,732.7	522.2	-149.6	-520.3	0.00	0.00	0.00
5,767.0	7.11	344.02	5,733.7	522.4	-149.6	-520.4	0.00	0.00	0.00
5,768.0	7.11	344.02	5,734.7	522.5	-149.7	-520.6	0.00	0.00	0.00
5,769.0	7.11	344.02	5,735.7	522.6	-149.7	-520.7	0.00	0.00	0.00
5,770.0	7.11	344.02	5,736.7	522.7	-149.7	-520.8	0.00	0.00	0.00
5,771.0	7.11	344.02	5,737.7	522.8	-149.8	-520.9	0.00	0.00	0.00
5,772.0	7.11	344.02	5,738.7	523.0	-149.8	-521.0	0.00	0.00	0.00
5,773.0	7.11	344.02	5,739.6	523.1	-149.8	-521.1	0.00	0.00	0.00
5,774.0	7.11	344.02	5,740.6	523.2	-149.9	-521.3	0.00	0.00	0.00
5,775.0	7.11	344.02	5,741.6	523.3	-149.9	-521.4	0.00	0.00	0.00
5,776.0	7.11	344.02	5,742.6	523.4	-149.9	-521.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,777.0	7.11	344.02	5,743.6	523.5	-150.0	-521.6	0.00	0.00	0.00
5,778.0	7.11	344.02	5,744.6	523.7	-150.0	-521.7	0.00	0.00	0.00
5,779.0	7.11	344.02	5,745.6	523.8	-150.0	-521.9	0.00	0.00	0.00
5,780.0	7.11	344.02	5,746.6	523.9	-150.1	-522.0	0.00	0.00	0.00
5,781.0	7.11	344.02	5,747.6	524.0	-150.1	-522.1	0.00	0.00	0.00
5,782.0	7.11	344.02	5,748.6	524.1	-150.1	-522.2	0.00	0.00	0.00
5,783.0	7.11	344.02	5,749.6	524.3	-150.2	-522.3	0.00	0.00	0.00
5,784.0	7.11	344.02	5,750.6	524.4	-150.2	-522.5	0.00	0.00	0.00
5,785.0	7.11	344.02	5,751.6	524.5	-150.2	-522.6	0.00	0.00	0.00
5,786.0	7.11	344.02	5,752.5	524.6	-150.3	-522.7	0.00	0.00	0.00
5,787.0	7.11	344.02	5,753.5	524.7	-150.3	-522.8	0.00	0.00	0.00
5,788.0	7.11	344.02	5,754.5	524.9	-150.3	-522.9	0.00	0.00	0.00
5,789.0	7.11	344.02	5,755.5	525.0	-150.4	-523.0	0.00	0.00	0.00
5,790.0	7.11	344.02	5,756.5	525.1	-150.4	-523.2	0.00	0.00	0.00
5,791.0	7.11	344.02	5,757.5	525.2	-150.5	-523.3	0.00	0.00	0.00
5,792.0	7.11	344.02	5,758.5	525.3	-150.5	-523.4	0.00	0.00	0.00
5,793.0	7.11	344.02	5,759.5	525.5	-150.5	-523.5	0.00	0.00	0.00
5,794.0	7.11	344.02	5,760.5	525.6	-150.6	-523.6	0.00	0.00	0.00
5,795.0	7.11	344.02	5,761.5	525.7	-150.6	-523.8	0.00	0.00	0.00
5,796.0	7.11	344.02	5,762.5	525.8	-150.6	-523.9	0.00	0.00	0.00
5,797.0	7.11	344.02	5,763.5	525.9	-150.7	-524.0	0.00	0.00	0.00
5,798.0	7.11	344.02	5,764.5	526.0	-150.7	-524.1	0.00	0.00	0.00
5,799.0	7.11	344.02	5,765.4	526.2	-150.7	-524.2	0.00	0.00	0.00
5,800.0	7.11	344.02	5,766.4	526.3	-150.8	-524.3	0.00	0.00	0.00
5,801.0	7.11	344.02	5,767.4	526.4	-150.8	-524.5	0.00	0.00	0.00
5,802.0	7.11	344.02	5,768.4	526.5	-150.8	-524.6	0.00	0.00	0.00
5,803.0	7.11	344.02	5,769.4	526.6	-150.9	-524.7	0.00	0.00	0.00
5,804.0	7.11	344.02	5,770.4	526.8	-150.9	-524.8	0.00	0.00	0.00
5,805.0	7.11	344.02	5,771.4	526.9	-150.9	-524.9	0.00	0.00	0.00
5,806.0	7.11	344.02	5,772.4	527.0	-151.0	-525.1	0.00	0.00	0.00
5,807.0	7.11	344.02	5,773.4	527.1	-151.0	-525.2	0.00	0.00	0.00
5,808.0	7.11	344.02	5,774.4	527.2	-151.0	-525.3	0.00	0.00	0.00
5,809.0	7.11	344.02	5,775.4	527.4	-151.1	-525.4	0.00	0.00	0.00
5,810.0	7.11	344.02	5,776.4	527.5	-151.1	-525.5	0.00	0.00	0.00
5,811.0	7.11	344.02	5,777.4	527.6	-151.1	-525.7	0.00	0.00	0.00
5,812.0	7.11	344.02	5,778.3	527.7	-151.2	-525.8	0.00	0.00	0.00
5,813.0	7.11	344.02	5,779.3	527.8	-151.2	-525.9	0.00	0.00	0.00
5,814.0	7.11	344.02	5,780.3	528.0	-151.2	-526.0	0.00	0.00	0.00
5,815.0	7.11	344.02	5,781.3	528.1	-151.3	-526.1	0.00	0.00	0.00
5,816.0	7.11	344.02	5,782.3	528.2	-151.3	-526.2	0.00	0.00	0.00
5,817.0	7.11	344.02	5,783.3	528.3	-151.3	-526.4	0.00	0.00	0.00
5,818.0	7.11	344.02	5,784.3	528.4	-151.4	-526.5	0.00	0.00	0.00
5,819.0	7.11	344.02	5,785.3	528.5	-151.4	-526.6	0.00	0.00	0.00
5,820.0	7.11	344.02	5,786.3	528.7	-151.4	-526.7	0.00	0.00	0.00
5,821.0	7.11	344.02	5,787.3	528.8	-151.5	-526.8	0.00	0.00	0.00
5,822.0	7.11	344.02	5,788.3	528.9	-151.5	-527.0	0.00	0.00	0.00
5,823.0	7.11	344.02	5,789.3	529.0	-151.5	-527.1	0.00	0.00	0.00
5,824.0	7.11	344.02	5,790.3	529.1	-151.6	-527.2	0.00	0.00	0.00
5,825.0	7.11	344.02	5,791.2	529.3	-151.6	-527.3	0.00	0.00	0.00
5,826.0	7.11	344.02	5,792.2	529.4	-151.6	-527.4	0.00	0.00	0.00
5,827.0	7.11	344.02	5,793.2	529.5	-151.7	-527.5	0.00	0.00	0.00
5,828.0	7.11	344.02	5,794.2	529.6	-151.7	-527.7	0.00	0.00	0.00
5,829.0	7.11	344.02	5,795.2	529.7	-151.7	-527.8	0.00	0.00	0.00
5,830.0	7.11	344.02	5,796.2	529.9	-151.8	-527.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,831.0	7.11	344.02	5,797.2	530.0	-151.8	-528.0	0.00	0.00	0.00
5,832.0	7.11	344.02	5,798.2	530.1	-151.8	-528.1	0.00	0.00	0.00
5,833.0	7.11	344.02	5,799.2	530.2	-151.9	-528.3	0.00	0.00	0.00
5,834.0	7.11	344.02	5,800.2	530.3	-151.9	-528.4	0.00	0.00	0.00
5,835.0	7.11	344.02	5,801.2	530.4	-152.0	-528.5	0.00	0.00	0.00
5,836.0	7.11	344.02	5,802.2	530.6	-152.0	-528.6	0.00	0.00	0.00
5,837.0	7.11	344.02	5,803.2	530.7	-152.0	-528.7	0.00	0.00	0.00
5,838.0	7.11	344.02	5,804.1	530.8	-152.1	-528.9	0.00	0.00	0.00
5,839.0	7.11	344.02	5,805.1	530.9	-152.1	-529.0	0.00	0.00	0.00
5,840.0	7.11	344.02	5,806.1	531.0	-152.1	-529.1	0.00	0.00	0.00
5,841.0	7.11	344.02	5,807.1	531.2	-152.2	-529.2	0.00	0.00	0.00
5,842.0	7.11	344.02	5,808.1	531.3	-152.2	-529.3	0.00	0.00	0.00
5,843.0	7.11	344.02	5,809.1	531.4	-152.2	-529.4	0.00	0.00	0.00
5,844.0	7.11	344.02	5,810.1	531.5	-152.3	-529.6	0.00	0.00	0.00
5,845.0	7.11	344.02	5,811.1	531.6	-152.3	-529.7	0.00	0.00	0.00
5,846.0	7.11	344.02	5,812.1	531.8	-152.3	-529.8	0.00	0.00	0.00
5,847.0	7.11	344.02	5,813.1	531.9	-152.4	-529.9	0.00	0.00	0.00
5,848.0	7.11	344.02	5,814.1	532.0	-152.4	-530.0	0.00	0.00	0.00
5,849.0	7.11	344.02	5,815.1	532.1	-152.4	-530.2	0.00	0.00	0.00
5,850.0	7.11	344.02	5,816.1	532.2	-152.5	-530.3	0.00	0.00	0.00
5,851.0	7.11	344.02	5,817.0	532.4	-152.5	-530.4	0.00	0.00	0.00
5,852.0	7.11	344.02	5,818.0	532.5	-152.5	-530.5	0.00	0.00	0.00
5,853.0	7.11	344.02	5,819.0	532.6	-152.6	-530.6	0.00	0.00	0.00
5,854.0	7.11	344.02	5,820.0	532.7	-152.6	-530.8	0.00	0.00	0.00
5,855.0	7.11	344.02	5,821.0	532.8	-152.6	-530.9	0.00	0.00	0.00
5,856.0	7.11	344.02	5,822.0	532.9	-152.7	-531.0	0.00	0.00	0.00
5,857.0	7.11	344.02	5,823.0	533.1	-152.7	-531.1	0.00	0.00	0.00
5,858.0	7.11	344.02	5,824.0	533.2	-152.7	-531.2	0.00	0.00	0.00
5,859.0	7.11	344.02	5,825.0	533.3	-152.8	-531.3	0.00	0.00	0.00
5,860.0	7.11	344.02	5,826.0	533.4	-152.8	-531.5	0.00	0.00	0.00
5,861.0	7.11	344.02	5,827.0	533.5	-152.8	-531.6	0.00	0.00	0.00
5,862.0	7.11	344.02	5,828.0	533.7	-152.9	-531.7	0.00	0.00	0.00
5,863.0	7.11	344.02	5,829.0	533.8	-152.9	-531.8	0.00	0.00	0.00
5,864.0	7.11	344.02	5,829.9	533.9	-152.9	-531.9	0.00	0.00	0.00
5,865.0	7.11	344.02	5,830.9	534.0	-153.0	-532.1	0.00	0.00	0.00
5,866.0	7.11	344.02	5,831.9	534.1	-153.0	-532.2	0.00	0.00	0.00
5,867.0	7.11	344.02	5,832.9	534.3	-153.0	-532.3	0.00	0.00	0.00
5,868.0	7.11	344.02	5,833.9	534.4	-153.1	-532.4	0.00	0.00	0.00
5,869.0	7.11	344.02	5,834.9	534.5	-153.1	-532.5	0.00	0.00	0.00
5,870.0	7.11	344.02	5,835.9	534.6	-153.1	-532.6	0.00	0.00	0.00
5,871.0	7.11	344.02	5,836.9	534.7	-153.2	-532.8	0.00	0.00	0.00
5,872.0	7.11	344.02	5,837.9	534.9	-153.2	-532.9	0.00	0.00	0.00
5,873.0	7.11	344.02	5,838.9	535.0	-153.2	-533.0	0.00	0.00	0.00
5,874.0	7.11	344.02	5,839.9	535.1	-153.3	-533.1	0.00	0.00	0.00
5,875.0	7.11	344.02	5,840.9	535.2	-153.3	-533.2	0.00	0.00	0.00
5,876.0	7.11	344.02	5,841.9	535.3	-153.3	-533.4	0.00	0.00	0.00
5,877.0	7.11	344.02	5,842.8	535.4	-153.4	-533.5	0.00	0.00	0.00
5,878.0	7.11	344.02	5,843.8	535.6	-153.4	-533.6	0.00	0.00	0.00
5,879.0	7.11	344.02	5,844.8	535.7	-153.5	-533.7	0.00	0.00	0.00
5,880.0	7.11	344.02	5,845.8	535.8	-153.5	-533.8	0.00	0.00	0.00
5,881.0	7.11	344.02	5,846.8	535.9	-153.5	-534.0	0.00	0.00	0.00
5,882.0	7.11	344.02	5,847.8	536.0	-153.6	-534.1	0.00	0.00	0.00
5,883.0	7.11	344.02	5,848.8	536.2	-153.6	-534.2	0.00	0.00	0.00
5,884.0	7.11	344.02	5,849.8	536.3	-153.6	-534.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,885.0	7.11	344.02	5,850.8	536.4	-153.7	-534.4	0.00	0.00	0.00
5,886.0	7.11	344.02	5,851.8	536.5	-153.7	-534.5	0.00	0.00	0.00
5,887.0	7.11	344.02	5,852.8	536.6	-153.7	-534.7	0.00	0.00	0.00
5,888.0	7.11	344.02	5,853.8	536.8	-153.8	-534.8	0.00	0.00	0.00
5,889.0	7.11	344.02	5,854.8	536.9	-153.8	-534.9	0.00	0.00	0.00
5,890.0	7.11	344.02	5,855.7	537.0	-153.8	-535.0	0.00	0.00	0.00
5,891.0	7.11	344.02	5,856.7	537.1	-153.9	-535.1	0.00	0.00	0.00
5,892.0	7.11	344.02	5,857.7	537.2	-153.9	-535.3	0.00	0.00	0.00
5,893.0	7.11	344.02	5,858.7	537.4	-153.9	-535.4	0.00	0.00	0.00
5,894.0	7.11	344.02	5,859.7	537.5	-154.0	-535.5	0.00	0.00	0.00
5,895.0	7.11	344.02	5,860.7	537.6	-154.0	-535.6	0.00	0.00	0.00
5,896.0	7.11	344.02	5,861.7	537.7	-154.0	-535.7	0.00	0.00	0.00
5,897.0	7.11	344.02	5,862.7	537.8	-154.1	-535.8	0.00	0.00	0.00
5,898.0	7.11	344.02	5,863.7	537.9	-154.1	-536.0	0.00	0.00	0.00
5,899.0	7.11	344.02	5,864.7	538.1	-154.1	-536.1	0.00	0.00	0.00
5,900.0	7.11	344.02	5,865.7	538.2	-154.2	-536.2	0.00	0.00	0.00
5,901.0	7.11	344.02	5,866.7	538.3	-154.2	-536.3	0.00	0.00	0.00
5,902.0	7.11	344.02	5,867.7	538.4	-154.2	-536.4	0.00	0.00	0.00
5,903.0	7.11	344.02	5,868.6	538.5	-154.3	-536.6	0.00	0.00	0.00
5,904.0	7.11	344.02	5,869.6	538.7	-154.3	-536.7	0.00	0.00	0.00
5,905.0	7.11	344.02	5,870.6	538.8	-154.3	-536.8	0.00	0.00	0.00
5,906.0	7.11	344.02	5,871.6	538.9	-154.4	-536.9	0.00	0.00	0.00
5,907.0	7.11	344.02	5,872.6	539.0	-154.4	-537.0	0.00	0.00	0.00
5,908.0	7.11	344.02	5,873.6	539.1	-154.4	-537.2	0.00	0.00	0.00
5,909.0	7.11	344.02	5,874.6	539.3	-154.5	-537.3	0.00	0.00	0.00
5,910.0	7.11	344.02	5,875.6	539.4	-154.5	-537.4	0.00	0.00	0.00
5,911.0	7.11	344.02	5,876.6	539.5	-154.5	-537.5	0.00	0.00	0.00
5,912.0	7.11	344.02	5,877.6	539.6	-154.6	-537.6	0.00	0.00	0.00
5,913.0	7.11	344.02	5,878.6	539.7	-154.6	-537.7	0.00	0.00	0.00
5,914.0	7.11	344.02	5,879.6	539.9	-154.6	-537.9	0.00	0.00	0.00
5,915.0	7.11	344.02	5,880.6	540.0	-154.7	-538.0	0.00	0.00	0.00
5,916.0	7.11	344.02	5,881.5	540.1	-154.7	-538.1	0.00	0.00	0.00
5,917.0	7.11	344.02	5,882.5	540.2	-154.7	-538.2	0.00	0.00	0.00
5,918.0	7.11	344.02	5,883.5	540.3	-154.8	-538.3	0.00	0.00	0.00
5,919.0	7.11	344.02	5,884.5	540.4	-154.8	-538.5	0.00	0.00	0.00
5,920.0	7.11	344.02	5,885.5	540.6	-154.8	-538.6	0.00	0.00	0.00
5,921.0	7.11	344.02	5,886.5	540.7	-154.9	-538.7	0.00	0.00	0.00
5,922.0	7.11	344.02	5,887.5	540.8	-154.9	-538.8	0.00	0.00	0.00
5,923.0	7.11	344.02	5,888.5	540.9	-155.0	-538.9	0.00	0.00	0.00
5,924.0	7.11	344.02	5,889.5	541.0	-155.0	-539.1	0.00	0.00	0.00
5,925.0	7.11	344.02	5,890.5	541.2	-155.0	-539.2	0.00	0.00	0.00
5,926.0	7.11	344.02	5,891.5	541.3	-155.1	-539.3	0.00	0.00	0.00
5,927.0	7.11	344.02	5,892.5	541.4	-155.1	-539.4	0.00	0.00	0.00
5,928.0	7.11	344.02	5,893.5	541.5	-155.1	-539.5	0.00	0.00	0.00
5,929.0	7.11	344.02	5,894.4	541.6	-155.2	-539.6	0.00	0.00	0.00
5,930.0	7.11	344.02	5,895.4	541.8	-155.2	-539.8	0.00	0.00	0.00
5,931.0	7.11	344.02	5,896.4	541.9	-155.2	-539.9	0.00	0.00	0.00
5,932.0	7.11	344.02	5,897.4	542.0	-155.3	-540.0	0.00	0.00	0.00
5,933.0	7.11	344.02	5,898.4	542.1	-155.3	-540.1	0.00	0.00	0.00
5,934.0	7.11	344.02	5,899.4	542.2	-155.3	-540.2	0.00	0.00	0.00
5,935.0	7.11	344.02	5,900.4	542.3	-155.4	-540.4	0.00	0.00	0.00
5,936.0	7.11	344.02	5,901.4	542.5	-155.4	-540.5	0.00	0.00	0.00
5,937.0	7.11	344.02	5,902.4	542.6	-155.4	-540.6	0.00	0.00	0.00
5,938.0	7.11	344.02	5,903.4	542.7	-155.5	-540.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,939.0	7.11	344.02	5,904.4	542.8	-155.5	-540.8	0.00	0.00	0.00
5,940.0	7.11	344.02	5,905.4	542.9	-155.5	-540.9	0.00	0.00	0.00
5,941.0	7.11	344.02	5,906.4	543.1	-155.6	-541.1	0.00	0.00	0.00
5,942.0	7.11	344.02	5,907.3	543.2	-155.6	-541.2	0.00	0.00	0.00
5,943.0	7.11	344.02	5,908.3	543.3	-155.6	-541.3	0.00	0.00	0.00
5,944.0	7.11	344.02	5,909.3	543.4	-155.7	-541.4	0.00	0.00	0.00
5,945.0	7.11	344.02	5,910.3	543.5	-155.7	-541.5	0.00	0.00	0.00
5,946.0	7.11	344.02	5,911.3	543.7	-155.7	-541.7	0.00	0.00	0.00
5,947.0	7.11	344.02	5,912.3	543.8	-155.8	-541.8	0.00	0.00	0.00
5,948.0	7.11	344.02	5,913.3	543.9	-155.8	-541.9	0.00	0.00	0.00
5,949.0	7.11	344.02	5,914.3	544.0	-155.8	-542.0	0.00	0.00	0.00
5,950.0	7.11	344.02	5,915.3	544.1	-155.9	-542.1	0.00	0.00	0.00
5,951.0	7.11	344.02	5,916.3	544.3	-155.9	-542.3	0.00	0.00	0.00
5,952.0	7.11	344.02	5,917.3	544.4	-155.9	-542.4	0.00	0.00	0.00
5,953.0	7.11	344.02	5,918.3	544.5	-156.0	-542.5	0.00	0.00	0.00
5,954.0	7.11	344.02	5,919.3	544.6	-156.0	-542.6	0.00	0.00	0.00
5,955.0	7.11	344.02	5,920.2	544.7	-156.0	-542.7	0.00	0.00	0.00
5,956.0	7.11	344.02	5,921.2	544.8	-156.1	-542.8	0.00	0.00	0.00
5,957.0	7.11	344.02	5,922.2	545.0	-156.1	-543.0	0.00	0.00	0.00
5,958.0	7.11	344.02	5,923.2	545.1	-156.1	-543.1	0.00	0.00	0.00
5,959.0	7.11	344.02	5,924.2	545.2	-156.2	-543.2	0.00	0.00	0.00
5,960.0	7.11	344.02	5,925.2	545.3	-156.2	-543.3	0.00	0.00	0.00
5,961.0	7.11	344.02	5,926.2	545.4	-156.2	-543.4	0.00	0.00	0.00
5,962.0	7.11	344.02	5,927.2	545.6	-156.3	-543.6	0.00	0.00	0.00
5,963.0	7.11	344.02	5,928.2	545.7	-156.3	-543.7	0.00	0.00	0.00
5,964.0	7.11	344.02	5,929.2	545.8	-156.3	-543.8	0.00	0.00	0.00
5,965.0	7.11	344.02	5,930.2	545.9	-156.4	-543.9	0.00	0.00	0.00
5,966.0	7.11	344.02	5,931.2	546.0	-156.4	-544.0	0.00	0.00	0.00
5,967.0	7.11	344.02	5,932.2	546.2	-156.5	-544.1	0.00	0.00	0.00
5,968.0	7.11	344.02	5,933.1	546.3	-156.5	-544.3	0.00	0.00	0.00
5,969.0	7.11	344.02	5,934.1	546.4	-156.5	-544.4	0.00	0.00	0.00
5,970.0	7.11	344.02	5,935.1	546.5	-156.6	-544.5	0.00	0.00	0.00
5,971.0	7.11	344.02	5,936.1	546.6	-156.6	-544.6	0.00	0.00	0.00
5,972.0	7.11	344.02	5,937.1	546.8	-156.6	-544.7	0.00	0.00	0.00
5,973.0	7.11	344.02	5,938.1	546.9	-156.7	-544.9	0.00	0.00	0.00
5,974.0	7.11	344.02	5,939.1	547.0	-156.7	-545.0	0.00	0.00	0.00
5,975.0	7.11	344.02	5,940.1	547.1	-156.7	-545.1	0.00	0.00	0.00
5,976.0	7.11	344.02	5,941.1	547.2	-156.8	-545.2	0.00	0.00	0.00
5,977.0	7.11	344.02	5,942.1	547.3	-156.8	-545.3	0.00	0.00	0.00
5,978.0	7.11	344.02	5,943.1	547.5	-156.8	-545.5	0.00	0.00	0.00
5,979.0	7.11	344.02	5,944.1	547.6	-156.9	-545.6	0.00	0.00	0.00
5,980.0	7.11	344.02	5,945.1	547.7	-156.9	-545.7	0.00	0.00	0.00
5,981.0	7.11	344.02	5,946.0	547.8	-156.9	-545.8	0.00	0.00	0.00
5,982.0	7.11	344.02	5,947.0	547.9	-157.0	-545.9	0.00	0.00	0.00
5,983.0	7.11	344.02	5,948.0	548.1	-157.0	-546.0	0.00	0.00	0.00
5,984.0	7.11	344.02	5,949.0	548.2	-157.0	-546.2	0.00	0.00	0.00
5,985.0	7.11	344.02	5,950.0	548.3	-157.1	-546.3	0.00	0.00	0.00
5,986.0	7.11	344.02	5,951.0	548.4	-157.1	-546.4	0.00	0.00	0.00
5,987.0	7.11	344.02	5,952.0	548.5	-157.1	-546.5	0.00	0.00	0.00
5,988.0	7.11	344.02	5,953.0	548.7	-157.2	-546.6	0.00	0.00	0.00
5,989.0	7.11	344.02	5,954.0	548.8	-157.2	-546.8	0.00	0.00	0.00
5,990.0	7.11	344.02	5,955.0	548.9	-157.2	-546.9	0.00	0.00	0.00
5,991.0	7.11	344.02	5,956.0	549.0	-157.3	-547.0	0.00	0.00	0.00
5,992.0	7.11	344.02	5,957.0	549.1	-157.3	-547.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,993.0	7.11	344.02	5,958.0	549.3	-157.3	-547.2	0.00	0.00	0.00
5,994.0	7.11	344.02	5,958.9	549.4	-157.4	-547.3	0.00	0.00	0.00
5,995.0	7.11	344.02	5,959.9	549.5	-157.4	-547.5	0.00	0.00	0.00
5,996.0	7.11	344.02	5,960.9	549.6	-157.4	-547.6	0.00	0.00	0.00
5,997.0	7.11	344.02	5,961.9	549.7	-157.5	-547.7	0.00	0.00	0.00
5,998.0	7.11	344.02	5,962.9	549.8	-157.5	-547.8	0.00	0.00	0.00
5,999.0	7.11	344.02	5,963.9	550.0	-157.5	-547.9	0.00	0.00	0.00
6,000.0	7.11	344.02	5,964.9	550.1	-157.6	-548.1	0.00	0.00	0.00
6,001.0	7.11	344.02	5,965.9	550.2	-157.6	-548.2	0.00	0.00	0.00
6,002.0	7.11	344.02	5,966.9	550.3	-157.6	-548.3	0.00	0.00	0.00
6,003.0	7.11	344.02	5,967.9	550.4	-157.7	-548.4	0.00	0.00	0.00
6,004.0	7.11	344.02	5,968.9	550.6	-157.7	-548.5	0.00	0.00	0.00
6,005.0	7.11	344.02	5,969.9	550.7	-157.7	-548.7	0.00	0.00	0.00
6,006.0	7.11	344.02	5,970.9	550.8	-157.8	-548.8	0.00	0.00	0.00
6,007.0	7.11	344.02	5,971.8	550.9	-157.8	-548.9	0.00	0.00	0.00
6,008.0	7.11	344.02	5,972.8	551.0	-157.8	-549.0	0.00	0.00	0.00
6,009.0	7.11	344.02	5,973.8	551.2	-157.9	-549.1	0.00	0.00	0.00
6,010.0	7.11	344.02	5,974.8	551.3	-157.9	-549.2	0.00	0.00	0.00
6,011.0	7.11	344.02	5,975.8	551.4	-158.0	-549.4	0.00	0.00	0.00
6,012.0	7.11	344.02	5,976.8	551.5	-158.0	-549.5	0.00	0.00	0.00
6,013.0	7.11	344.02	5,977.8	551.6	-158.0	-549.6	0.00	0.00	0.00
6,014.0	7.11	344.02	5,978.8	551.8	-158.1	-549.7	0.00	0.00	0.00
6,015.0	7.11	344.02	5,979.8	551.9	-158.1	-549.8	0.00	0.00	0.00
6,016.0	7.11	344.02	5,980.8	552.0	-158.1	-550.0	0.00	0.00	0.00
6,017.0	7.11	344.02	5,981.8	552.1	-158.2	-550.1	0.00	0.00	0.00
6,018.0	7.11	344.02	5,982.8	552.2	-158.2	-550.2	0.00	0.00	0.00
6,019.0	7.11	344.02	5,983.8	552.3	-158.2	-550.3	0.00	0.00	0.00
6,020.0	7.11	344.02	5,984.7	552.5	-158.3	-550.4	0.00	0.00	0.00
6,021.0	7.11	344.02	5,985.7	552.6	-158.3	-550.6	0.00	0.00	0.00
6,022.0	7.11	344.02	5,986.7	552.7	-158.3	-550.7	0.00	0.00	0.00
6,023.0	7.11	344.02	5,987.7	552.8	-158.4	-550.8	0.00	0.00	0.00
6,024.0	7.11	344.02	5,988.7	552.9	-158.4	-550.9	0.00	0.00	0.00
6,025.0	7.11	344.02	5,989.7	553.1	-158.4	-551.0	0.00	0.00	0.00
6,026.0	7.11	344.02	5,990.7	553.2	-158.5	-551.1	0.00	0.00	0.00
6,027.0	7.11	344.02	5,991.7	553.3	-158.5	-551.3	0.00	0.00	0.00
6,028.0	7.11	344.02	5,992.7	553.4	-158.5	-551.4	0.00	0.00	0.00
6,029.0	7.11	344.02	5,993.7	553.5	-158.6	-551.5	0.00	0.00	0.00
6,030.0	7.11	344.02	5,994.7	553.7	-158.6	-551.6	0.00	0.00	0.00
6,031.0	7.11	344.02	5,995.7	553.8	-158.6	-551.7	0.00	0.00	0.00
6,032.0	7.11	344.02	5,996.7	553.9	-158.7	-551.9	0.00	0.00	0.00
6,033.0	7.11	344.02	5,997.6	554.0	-158.7	-552.0	0.00	0.00	0.00
6,034.0	7.11	344.02	5,998.6	554.1	-158.7	-552.1	0.00	0.00	0.00
6,035.0	7.11	344.02	5,999.6	554.2	-158.8	-552.2	0.00	0.00	0.00
6,036.0	7.11	344.02	6,000.6	554.4	-158.8	-552.3	0.00	0.00	0.00
6,037.0	7.11	344.02	6,001.6	554.5	-158.8	-552.4	0.00	0.00	0.00
6,038.0	7.11	344.02	6,002.6	554.6	-158.9	-552.6	0.00	0.00	0.00
6,039.0	7.11	344.02	6,003.6	554.7	-158.9	-552.7	0.00	0.00	0.00
6,040.0	7.11	344.02	6,004.6	554.8	-158.9	-552.8	0.00	0.00	0.00
6,041.0	7.11	344.02	6,005.6	555.0	-159.0	-552.9	0.00	0.00	0.00
6,042.0	7.11	344.02	6,006.6	555.1	-159.0	-553.0	0.00	0.00	0.00
6,043.0	7.11	344.02	6,007.6	555.2	-159.0	-553.2	0.00	0.00	0.00
6,044.0	7.11	344.02	6,008.6	555.3	-159.1	-553.3	0.00	0.00	0.00
6,045.0	7.11	344.02	6,009.6	555.4	-159.1	-553.4	0.00	0.00	0.00
6,046.0	7.11	344.02	6,010.5	555.6	-159.1	-553.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,047.0	7.11	344.02	6,011.5	555.7	-159.2	-553.6	0.00	0.00	0.00
6,048.0	7.11	344.02	6,012.5	555.8	-159.2	-553.8	0.00	0.00	0.00
6,049.0	7.11	344.02	6,013.5	555.9	-159.2	-553.9	0.00	0.00	0.00
6,050.0	7.11	344.02	6,014.5	556.0	-159.3	-554.0	0.00	0.00	0.00
6,051.0	7.11	344.02	6,015.5	556.2	-159.3	-554.1	0.00	0.00	0.00
6,052.0	7.11	344.02	6,016.5	556.3	-159.3	-554.2	0.00	0.00	0.00
6,053.0	7.11	344.02	6,017.5	556.4	-159.4	-554.3	0.00	0.00	0.00
6,054.0	7.11	344.02	6,018.5	556.5	-159.4	-554.5	0.00	0.00	0.00
6,055.0	7.11	344.02	6,019.5	556.6	-159.5	-554.6	0.00	0.00	0.00
6,056.0	7.11	344.02	6,020.5	556.7	-159.5	-554.7	0.00	0.00	0.00
6,057.0	7.11	344.02	6,021.5	556.9	-159.5	-554.8	0.00	0.00	0.00
6,058.0	7.11	344.02	6,022.5	557.0	-159.6	-554.9	0.00	0.00	0.00
6,059.0	7.11	344.02	6,023.4	557.1	-159.6	-555.1	0.00	0.00	0.00
6,060.0	7.11	344.02	6,024.4	557.2	-159.6	-555.2	0.00	0.00	0.00
6,061.0	7.11	344.02	6,025.4	557.3	-159.7	-555.3	0.00	0.00	0.00
6,062.0	7.11	344.02	6,026.4	557.5	-159.7	-555.4	0.00	0.00	0.00
6,063.0	7.11	344.02	6,027.4	557.6	-159.7	-555.5	0.00	0.00	0.00
6,064.0	7.11	344.02	6,028.4	557.7	-159.8	-555.6	0.00	0.00	0.00
6,065.0	7.11	344.02	6,029.4	557.8	-159.8	-555.8	0.00	0.00	0.00
6,066.0	7.11	344.02	6,030.4	557.9	-159.8	-555.9	0.00	0.00	0.00
6,067.0	7.11	344.02	6,031.4	558.1	-159.9	-556.0	0.00	0.00	0.00
6,068.0	7.11	344.02	6,032.4	558.2	-159.9	-556.1	0.00	0.00	0.00
6,069.0	7.11	344.02	6,033.4	558.3	-159.9	-556.2	0.00	0.00	0.00
6,070.0	7.11	344.02	6,034.4	558.4	-160.0	-556.4	0.00	0.00	0.00
6,071.0	7.11	344.02	6,035.4	558.5	-160.0	-556.5	0.00	0.00	0.00
6,072.0	7.11	344.02	6,036.3	558.7	-160.0	-556.6	0.00	0.00	0.00
6,073.0	7.11	344.02	6,037.3	558.8	-160.1	-556.7	0.00	0.00	0.00
6,074.0	7.11	344.02	6,038.3	558.9	-160.1	-556.8	0.00	0.00	0.00
6,075.0	7.11	344.02	6,039.3	559.0	-160.1	-557.0	0.00	0.00	0.00
6,076.0	7.11	344.02	6,040.3	559.1	-160.2	-557.1	0.00	0.00	0.00
6,077.0	7.11	344.02	6,041.3	559.2	-160.2	-557.2	0.00	0.00	0.00
6,078.0	7.11	344.02	6,042.3	559.4	-160.2	-557.3	0.00	0.00	0.00
6,079.0	7.11	344.02	6,043.3	559.5	-160.3	-557.4	0.00	0.00	0.00
6,080.0	7.11	344.02	6,044.3	559.6	-160.3	-557.5	0.00	0.00	0.00
6,081.0	7.11	344.02	6,045.3	559.7	-160.3	-557.7	0.00	0.00	0.00
6,082.0	7.11	344.02	6,046.3	559.8	-160.4	-557.8	0.00	0.00	0.00
6,083.0	7.11	344.02	6,047.3	560.0	-160.4	-557.9	0.00	0.00	0.00
6,084.0	7.11	344.02	6,048.3	560.1	-160.4	-558.0	0.00	0.00	0.00
6,085.0	7.11	344.02	6,049.2	560.2	-160.5	-558.1	0.00	0.00	0.00
6,086.0	7.11	344.02	6,050.2	560.3	-160.5	-558.3	0.00	0.00	0.00
6,087.0	7.11	344.02	6,051.2	560.4	-160.5	-558.4	0.00	0.00	0.00
6,088.0	7.11	344.02	6,052.2	560.6	-160.6	-558.5	0.00	0.00	0.00
6,089.0	7.11	344.02	6,053.2	560.7	-160.6	-558.6	0.00	0.00	0.00
6,090.0	7.11	344.02	6,054.2	560.8	-160.6	-558.7	0.00	0.00	0.00
6,091.0	7.11	344.02	6,055.2	560.9	-160.7	-558.9	0.00	0.00	0.00
6,092.0	7.11	344.02	6,056.2	561.0	-160.7	-559.0	0.00	0.00	0.00
6,093.0	7.11	344.02	6,057.2	561.2	-160.7	-559.1	0.00	0.00	0.00
6,094.0	7.11	344.02	6,058.2	561.3	-160.8	-559.2	0.00	0.00	0.00
6,095.0	7.11	344.02	6,059.2	561.4	-160.8	-559.3	0.00	0.00	0.00
6,096.0	7.11	344.02	6,060.2	561.5	-160.8	-559.4	0.00	0.00	0.00
6,097.0	7.11	344.02	6,061.2	561.6	-160.9	-559.6	0.00	0.00	0.00
6,098.0	7.11	344.02	6,062.1	561.7	-160.9	-559.7	0.00	0.00	0.00
6,099.0	7.11	344.02	6,063.1	561.9	-161.0	-559.8	0.00	0.00	0.00
6,100.0	7.11	344.02	6,064.1	562.0	-161.0	-559.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,101.0	7.11	344.02	6,065.1	562.1	-161.0	-560.0	0.00	0.00	0.00
6,102.0	7.11	344.02	6,066.1	562.2	-161.1	-560.2	0.00	0.00	0.00
6,103.0	7.11	344.02	6,067.1	562.3	-161.1	-560.3	0.00	0.00	0.00
6,104.0	7.11	344.02	6,068.1	562.5	-161.1	-560.4	0.00	0.00	0.00
6,105.0	7.11	344.02	6,069.1	562.6	-161.2	-560.5	0.00	0.00	0.00
6,106.0	7.11	344.02	6,070.1	562.7	-161.2	-560.6	0.00	0.00	0.00
6,107.0	7.11	344.02	6,071.1	562.8	-161.2	-560.7	0.00	0.00	0.00
6,108.0	7.11	344.02	6,072.1	562.9	-161.3	-560.9	0.00	0.00	0.00
6,109.0	7.11	344.02	6,073.1	563.1	-161.3	-561.0	0.00	0.00	0.00
6,110.0	7.11	344.02	6,074.1	563.2	-161.3	-561.1	0.00	0.00	0.00
6,111.0	7.11	344.02	6,075.0	563.3	-161.4	-561.2	0.00	0.00	0.00
6,112.0	7.11	344.02	6,076.0	563.4	-161.4	-561.3	0.00	0.00	0.00
6,113.0	7.11	344.02	6,077.0	563.5	-161.4	-561.5	0.00	0.00	0.00
6,114.0	7.11	344.02	6,078.0	563.7	-161.5	-561.6	0.00	0.00	0.00
6,115.0	7.11	344.02	6,079.0	563.8	-161.5	-561.7	0.00	0.00	0.00
6,116.0	7.11	344.02	6,080.0	563.9	-161.5	-561.8	0.00	0.00	0.00
6,117.0	7.11	344.02	6,081.0	564.0	-161.6	-561.9	0.00	0.00	0.00
6,118.0	7.11	344.02	6,082.0	564.1	-161.6	-562.1	0.00	0.00	0.00
6,119.0	7.11	344.02	6,083.0	564.2	-161.6	-562.2	0.00	0.00	0.00
6,120.0	7.11	344.02	6,084.0	564.4	-161.7	-562.3	0.00	0.00	0.00
6,121.0	7.11	344.02	6,085.0	564.5	-161.7	-562.4	0.00	0.00	0.00
6,122.0	7.11	344.02	6,086.0	564.6	-161.7	-562.5	0.00	0.00	0.00
6,123.0	7.11	344.02	6,087.0	564.7	-161.8	-562.6	0.00	0.00	0.00
6,124.0	7.11	344.02	6,087.9	564.8	-161.8	-562.8	0.00	0.00	0.00
6,125.0	7.11	344.02	6,088.9	565.0	-161.8	-562.9	0.00	0.00	0.00
6,126.0	7.11	344.02	6,089.9	565.1	-161.9	-563.0	0.00	0.00	0.00
6,127.0	7.11	344.02	6,090.9	565.2	-161.9	-563.1	0.00	0.00	0.00
6,128.0	7.11	344.02	6,091.9	565.3	-161.9	-563.2	0.00	0.00	0.00
6,129.0	7.11	344.02	6,092.9	565.4	-162.0	-563.4	0.00	0.00	0.00
6,130.0	7.11	344.02	6,093.9	565.6	-162.0	-563.5	0.00	0.00	0.00
6,131.0	7.11	344.02	6,094.9	565.7	-162.0	-563.6	0.00	0.00	0.00
6,132.0	7.11	344.02	6,095.9	565.8	-162.1	-563.7	0.00	0.00	0.00
6,133.0	7.11	344.02	6,096.9	565.9	-162.1	-563.8	0.00	0.00	0.00
6,134.0	7.11	344.02	6,097.9	566.0	-162.1	-563.9	0.00	0.00	0.00
6,135.0	7.11	344.02	6,098.9	566.1	-162.2	-564.1	0.00	0.00	0.00
6,136.0	7.11	344.02	6,099.9	566.3	-162.2	-564.2	0.00	0.00	0.00
6,137.0	7.11	344.02	6,100.8	566.4	-162.2	-564.3	0.00	0.00	0.00
6,138.0	7.11	344.02	6,101.8	566.5	-162.3	-564.4	0.00	0.00	0.00
6,139.0	7.11	344.02	6,102.8	566.6	-162.3	-564.5	0.00	0.00	0.00
6,140.0	7.11	344.02	6,103.8	566.7	-162.3	-564.7	0.00	0.00	0.00
6,141.0	7.11	344.02	6,104.8	566.9	-162.4	-564.8	0.00	0.00	0.00
6,142.0	7.11	344.02	6,105.8	567.0	-162.4	-564.9	0.00	0.00	0.00
6,143.0	7.11	344.02	6,106.8	567.1	-162.5	-565.0	0.00	0.00	0.00
6,144.0	7.11	344.02	6,107.8	567.2	-162.5	-565.1	0.00	0.00	0.00
6,145.0	7.11	344.02	6,108.8	567.3	-162.5	-565.3	0.00	0.00	0.00
6,146.0	7.11	344.02	6,109.8	567.5	-162.6	-565.4	0.00	0.00	0.00
6,147.0	7.11	344.02	6,110.8	567.6	-162.6	-565.5	0.00	0.00	0.00
6,148.0	7.11	344.02	6,111.8	567.7	-162.6	-565.6	0.00	0.00	0.00
6,149.0	7.11	344.02	6,112.8	567.8	-162.7	-565.7	0.00	0.00	0.00
6,150.0	7.11	344.02	6,113.7	567.9	-162.7	-565.8	0.00	0.00	0.00
6,151.0	7.11	344.02	6,114.7	568.1	-162.7	-566.0	0.00	0.00	0.00
6,152.0	7.11	344.02	6,115.7	568.2	-162.8	-566.1	0.00	0.00	0.00
6,153.0	7.11	344.02	6,116.7	568.3	-162.8	-566.2	0.00	0.00	0.00
6,154.0	7.11	344.02	6,117.7	568.4	-162.8	-566.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,155.0	7.11	344.02	6,118.7	568.5	-162.9	-566.4	0.00	0.00	0.00
6,156.0	7.11	344.02	6,119.7	568.6	-162.9	-566.6	0.00	0.00	0.00
6,157.0	7.11	344.02	6,120.7	568.8	-162.9	-566.7	0.00	0.00	0.00
6,158.0	7.11	344.02	6,121.7	568.9	-163.0	-566.8	0.00	0.00	0.00
6,159.0	7.11	344.02	6,122.7	569.0	-163.0	-566.9	0.00	0.00	0.00
6,160.0	7.11	344.02	6,123.7	569.1	-163.0	-567.0	0.00	0.00	0.00
6,161.0	7.11	344.02	6,124.7	569.2	-163.1	-567.2	0.00	0.00	0.00
6,162.0	7.11	344.02	6,125.7	569.4	-163.1	-567.3	0.00	0.00	0.00
6,163.0	7.11	344.02	6,126.6	569.5	-163.1	-567.4	0.00	0.00	0.00
6,164.0	7.11	344.02	6,127.6	569.6	-163.2	-567.5	0.00	0.00	0.00
6,165.0	7.11	344.02	6,128.6	569.7	-163.2	-567.6	0.00	0.00	0.00
6,166.0	7.11	344.02	6,129.6	569.8	-163.2	-567.7	0.00	0.00	0.00
6,167.0	7.11	344.02	6,130.6	570.0	-163.3	-567.9	0.00	0.00	0.00
6,168.0	7.11	344.02	6,131.6	570.1	-163.3	-568.0	0.00	0.00	0.00
6,169.0	7.11	344.02	6,132.6	570.2	-163.3	-568.1	0.00	0.00	0.00
6,170.0	7.11	344.02	6,133.6	570.3	-163.4	-568.2	0.00	0.00	0.00
6,171.0	7.11	344.02	6,134.6	570.4	-163.4	-568.3	0.00	0.00	0.00
6,172.0	7.11	344.02	6,135.6	570.6	-163.4	-568.5	0.00	0.00	0.00
6,173.0	7.11	344.02	6,136.6	570.7	-163.5	-568.6	0.00	0.00	0.00
6,174.0	7.11	344.02	6,137.6	570.8	-163.5	-568.7	0.00	0.00	0.00
6,175.0	7.11	344.02	6,138.6	570.9	-163.5	-568.8	0.00	0.00	0.00
6,176.0	7.11	344.02	6,139.5	571.0	-163.6	-568.9	0.00	0.00	0.00
6,177.0	7.11	344.02	6,140.5	571.1	-163.6	-569.0	0.00	0.00	0.00
6,178.0	7.11	344.02	6,141.5	571.3	-163.6	-569.2	0.00	0.00	0.00
6,179.0	7.11	344.02	6,142.5	571.4	-163.7	-569.3	0.00	0.00	0.00
6,180.0	7.11	344.02	6,143.5	571.5	-163.7	-569.4	0.00	0.00	0.00
6,181.0	7.11	344.02	6,144.5	571.6	-163.7	-569.5	0.00	0.00	0.00
6,182.0	7.11	344.02	6,145.5	571.7	-163.8	-569.6	0.00	0.00	0.00
6,183.0	7.11	344.02	6,146.5	571.9	-163.8	-569.8	0.00	0.00	0.00
6,184.0	7.11	344.02	6,147.5	572.0	-163.8	-569.9	0.00	0.00	0.00
6,185.0	7.11	344.02	6,148.5	572.1	-163.9	-570.0	0.00	0.00	0.00
6,186.0	7.11	344.02	6,149.5	572.2	-163.9	-570.1	0.00	0.00	0.00
6,187.0	7.11	344.02	6,150.5	572.3	-164.0	-570.2	0.00	0.00	0.00
6,188.0	7.11	344.02	6,151.5	572.5	-164.0	-570.4	0.00	0.00	0.00
6,189.0	7.11	344.02	6,152.4	572.6	-164.0	-570.5	0.00	0.00	0.00
6,190.0	7.11	344.02	6,153.4	572.7	-164.1	-570.6	0.00	0.00	0.00
6,191.0	7.11	344.02	6,154.4	572.8	-164.1	-570.7	0.00	0.00	0.00
6,192.0	7.11	344.02	6,155.4	572.9	-164.1	-570.8	0.00	0.00	0.00
6,193.0	7.11	344.02	6,156.4	573.1	-164.2	-570.9	0.00	0.00	0.00
6,194.0	7.11	344.02	6,157.4	573.2	-164.2	-571.1	0.00	0.00	0.00
6,195.0	7.11	344.02	6,158.4	573.3	-164.2	-571.2	0.00	0.00	0.00
6,196.0	7.11	344.02	6,159.4	573.4	-164.3	-571.3	0.00	0.00	0.00
6,197.0	7.11	344.02	6,160.4	573.5	-164.3	-571.4	0.00	0.00	0.00
6,198.0	7.11	344.02	6,161.4	573.6	-164.3	-571.5	0.00	0.00	0.00
6,199.0	7.11	344.02	6,162.4	573.8	-164.4	-571.7	0.00	0.00	0.00
6,200.0	7.11	344.02	6,163.4	573.9	-164.4	-571.8	0.00	0.00	0.00
6,201.0	7.11	344.02	6,164.4	574.0	-164.4	-571.9	0.00	0.00	0.00
6,202.0	7.11	344.02	6,165.3	574.1	-164.5	-572.0	0.00	0.00	0.00
6,203.0	7.11	344.02	6,166.3	574.2	-164.5	-572.1	0.00	0.00	0.00
6,204.0	7.11	344.02	6,167.3	574.4	-164.5	-572.2	0.00	0.00	0.00
6,205.0	7.11	344.02	6,168.3	574.5	-164.6	-572.4	0.00	0.00	0.00
6,206.0	7.11	344.02	6,169.3	574.6	-164.6	-572.5	0.00	0.00	0.00
6,207.0	7.11	344.02	6,170.3	574.7	-164.6	-572.6	0.00	0.00	0.00
6,208.0	7.11	344.02	6,171.3	574.8	-164.7	-572.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,209.0	7.11	344.02	6,172.3	575.0	-164.7	-572.8	0.00	0.00	0.00
6,210.0	7.11	344.02	6,173.3	575.1	-164.7	-573.0	0.00	0.00	0.00
6,211.0	7.11	344.02	6,174.3	575.2	-164.8	-573.1	0.00	0.00	0.00
6,212.0	7.11	344.02	6,175.3	575.3	-164.8	-573.2	0.00	0.00	0.00
6,213.0	7.11	344.02	6,176.3	575.4	-164.8	-573.3	0.00	0.00	0.00
6,214.0	7.11	344.02	6,177.3	575.6	-164.9	-573.4	0.00	0.00	0.00
6,215.0	7.11	344.02	6,178.2	575.7	-164.9	-573.6	0.00	0.00	0.00
6,216.0	7.11	344.02	6,179.2	575.8	-164.9	-573.7	0.00	0.00	0.00
6,217.0	7.11	344.02	6,180.2	575.9	-165.0	-573.8	0.00	0.00	0.00
6,218.0	7.11	344.02	6,181.2	576.0	-165.0	-573.9	0.00	0.00	0.00
6,219.0	7.11	344.02	6,182.2	576.1	-165.0	-574.0	0.00	0.00	0.00
6,220.0	7.11	344.02	6,183.2	576.3	-165.1	-574.1	0.00	0.00	0.00
6,221.0	7.11	344.02	6,184.2	576.4	-165.1	-574.3	0.00	0.00	0.00
6,222.0	7.11	344.02	6,185.2	576.5	-165.1	-574.4	0.00	0.00	0.00
6,223.0	7.11	344.02	6,186.2	576.6	-165.2	-574.5	0.00	0.00	0.00
6,224.0	7.11	344.02	6,187.2	576.7	-165.2	-574.6	0.00	0.00	0.00
6,225.0	7.11	344.02	6,188.2	576.9	-165.2	-574.7	0.00	0.00	0.00
6,226.0	7.11	344.02	6,189.2	577.0	-165.3	-574.9	0.00	0.00	0.00
6,227.0	7.11	344.02	6,190.2	577.1	-165.3	-575.0	0.00	0.00	0.00
6,228.0	7.11	344.02	6,191.2	577.2	-165.3	-575.1	0.00	0.00	0.00
6,229.0	7.11	344.02	6,192.1	577.3	-165.4	-575.2	0.00	0.00	0.00
6,230.0	7.11	344.02	6,193.1	577.5	-165.4	-575.3	0.00	0.00	0.00
6,231.0	7.11	344.02	6,194.1	577.6	-165.5	-575.4	0.00	0.00	0.00
6,232.0	7.11	344.02	6,195.1	577.7	-165.5	-575.6	0.00	0.00	0.00
6,233.0	7.11	344.02	6,196.1	577.8	-165.5	-575.7	0.00	0.00	0.00
6,234.0	7.11	344.02	6,197.1	577.9	-165.6	-575.8	0.00	0.00	0.00
6,235.0	7.11	344.02	6,198.1	578.1	-165.6	-575.9	0.00	0.00	0.00
6,236.0	7.11	344.02	6,199.1	578.2	-165.6	-576.0	0.00	0.00	0.00
6,237.0	7.11	344.02	6,200.1	578.3	-165.7	-576.2	0.00	0.00	0.00
6,238.0	7.11	344.02	6,201.1	578.4	-165.7	-576.3	0.00	0.00	0.00
6,239.0	7.11	344.02	6,202.1	578.5	-165.7	-576.4	0.00	0.00	0.00
6,240.0	7.11	344.02	6,203.1	578.6	-165.8	-576.5	0.00	0.00	0.00
6,241.0	7.11	344.02	6,204.1	578.8	-165.8	-576.6	0.00	0.00	0.00
6,242.0	7.11	344.02	6,205.0	578.9	-165.8	-576.8	0.00	0.00	0.00
6,243.0	7.11	344.02	6,206.0	579.0	-165.9	-576.9	0.00	0.00	0.00
6,244.0	7.11	344.02	6,207.0	579.1	-165.9	-577.0	0.00	0.00	0.00
6,245.0	7.11	344.02	6,208.0	579.2	-165.9	-577.1	0.00	0.00	0.00
6,246.0	7.11	344.02	6,209.0	579.4	-166.0	-577.2	0.00	0.00	0.00
6,247.0	7.11	344.02	6,210.0	579.5	-166.0	-577.3	0.00	0.00	0.00
6,248.0	7.11	344.02	6,211.0	579.6	-166.0	-577.5	0.00	0.00	0.00
6,249.0	7.11	344.02	6,212.0	579.7	-166.1	-577.6	0.00	0.00	0.00
6,250.0	7.11	344.02	6,213.0	579.8	-166.1	-577.7	0.00	0.00	0.00
6,251.0	7.11	344.02	6,214.0	580.0	-166.1	-577.8	0.00	0.00	0.00
6,252.0	7.11	344.02	6,215.0	580.1	-166.2	-577.9	0.00	0.00	0.00
6,253.0	7.11	344.02	6,216.0	580.2	-166.2	-578.1	0.00	0.00	0.00
6,254.0	7.11	344.02	6,217.0	580.3	-166.2	-578.2	0.00	0.00	0.00
6,255.0	7.11	344.02	6,217.9	580.4	-166.3	-578.3	0.00	0.00	0.00
6,256.0	7.11	344.02	6,218.9	580.5	-166.3	-578.4	0.00	0.00	0.00
6,257.0	7.11	344.02	6,219.9	580.7	-166.3	-578.5	0.00	0.00	0.00
6,258.0	7.11	344.02	6,220.9	580.8	-166.4	-578.7	0.00	0.00	0.00
6,259.0	7.11	344.02	6,221.9	580.9	-166.4	-578.8	0.00	0.00	0.00
6,260.0	7.11	344.02	6,222.9	581.0	-166.4	-578.9	0.00	0.00	0.00
6,261.0	7.11	344.02	6,223.9	581.1	-166.5	-579.0	0.00	0.00	0.00
6,262.0	7.11	344.02	6,224.9	581.3	-166.5	-579.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,263.0	7.11	344.02	6,225.9	581.4	-166.5	-579.2	0.00	0.00	0.00
6,264.0	7.11	344.02	6,226.9	581.5	-166.6	-579.4	0.00	0.00	0.00
6,265.0	7.11	344.02	6,227.9	581.6	-166.6	-579.5	0.00	0.00	0.00
6,266.0	7.11	344.02	6,228.9	581.7	-166.6	-579.6	0.00	0.00	0.00
6,267.0	7.11	344.02	6,229.9	581.9	-166.7	-579.7	0.00	0.00	0.00
6,268.0	7.11	344.02	6,230.8	582.0	-166.7	-579.8	0.00	0.00	0.00
6,269.0	7.11	344.02	6,231.8	582.1	-166.7	-580.0	0.00	0.00	0.00
6,270.0	7.11	344.02	6,232.8	582.2	-166.8	-580.1	0.00	0.00	0.00
6,271.0	7.11	344.02	6,233.8	582.3	-166.8	-580.2	0.00	0.00	0.00
6,272.0	7.11	344.02	6,234.8	582.5	-166.8	-580.3	0.00	0.00	0.00
6,273.0	7.11	344.02	6,235.8	582.6	-166.9	-580.4	0.00	0.00	0.00
6,274.0	7.11	344.02	6,236.8	582.7	-166.9	-580.5	0.00	0.00	0.00
6,275.0	7.11	344.02	6,237.8	582.8	-167.0	-580.7	0.00	0.00	0.00
6,276.0	7.11	344.02	6,238.8	582.9	-167.0	-580.8	0.00	0.00	0.00
6,277.0	7.11	344.02	6,239.8	583.0	-167.0	-580.9	0.00	0.00	0.00
6,278.0	7.11	344.02	6,240.8	583.2	-167.1	-581.0	0.00	0.00	0.00
6,279.0	7.11	344.02	6,241.8	583.3	-167.1	-581.1	0.00	0.00	0.00
6,280.0	7.11	344.02	6,242.8	583.4	-167.1	-581.3	0.00	0.00	0.00
6,281.0	7.11	344.02	6,243.7	583.5	-167.2	-581.4	0.00	0.00	0.00
6,282.0	7.11	344.02	6,244.7	583.6	-167.2	-581.5	0.00	0.00	0.00
6,283.0	7.11	344.02	6,245.7	583.8	-167.2	-581.6	0.00	0.00	0.00
6,284.0	7.11	344.02	6,246.7	583.9	-167.3	-581.7	0.00	0.00	0.00
6,285.0	7.11	344.02	6,247.7	584.0	-167.3	-581.9	0.00	0.00	0.00
6,286.0	7.11	344.02	6,248.7	584.1	-167.3	-582.0	0.00	0.00	0.00
6,287.0	7.11	344.02	6,249.7	584.2	-167.4	-582.1	0.00	0.00	0.00
6,288.0	7.11	344.02	6,250.7	584.4	-167.4	-582.2	0.00	0.00	0.00
6,289.0	7.11	344.02	6,251.7	584.5	-167.4	-582.3	0.00	0.00	0.00
6,290.0	7.11	344.02	6,252.7	584.6	-167.5	-582.4	0.00	0.00	0.00
6,291.0	7.11	344.02	6,253.7	584.7	-167.5	-582.6	0.00	0.00	0.00
6,292.0	7.11	344.02	6,254.7	584.8	-167.5	-582.7	0.00	0.00	0.00
6,293.0	7.11	344.02	6,255.7	585.0	-167.6	-582.8	0.00	0.00	0.00
6,294.0	7.11	344.02	6,256.6	585.1	-167.6	-582.9	0.00	0.00	0.00
6,295.0	7.11	344.02	6,257.6	585.2	-167.6	-583.0	0.00	0.00	0.00
6,296.0	7.11	344.02	6,258.6	585.3	-167.7	-583.2	0.00	0.00	0.00
6,297.0	7.11	344.02	6,259.6	585.4	-167.7	-583.3	0.00	0.00	0.00
6,298.0	7.11	344.02	6,260.6	585.5	-167.7	-583.4	0.00	0.00	0.00
6,299.0	7.11	344.02	6,261.6	585.7	-167.8	-583.5	0.00	0.00	0.00
6,300.0	7.11	344.02	6,262.6	585.8	-167.8	-583.6	0.00	0.00	0.00
6,301.0	7.11	344.02	6,263.6	585.9	-167.8	-583.7	0.00	0.00	0.00
6,302.0	7.11	344.02	6,264.6	586.0	-167.9	-583.9	0.00	0.00	0.00
6,303.0	7.11	344.02	6,265.6	586.1	-167.9	-584.0	0.00	0.00	0.00
6,304.0	7.11	344.02	6,266.6	586.3	-167.9	-584.1	0.00	0.00	0.00
6,305.0	7.11	344.02	6,267.6	586.4	-168.0	-584.2	0.00	0.00	0.00
6,306.0	7.11	344.02	6,268.6	586.5	-168.0	-584.3	0.00	0.00	0.00
6,307.0	7.11	344.02	6,269.5	586.6	-168.0	-584.5	0.00	0.00	0.00
6,308.0	7.11	344.02	6,270.5	586.7	-168.1	-584.6	0.00	0.00	0.00
6,309.0	7.11	344.02	6,271.5	586.9	-168.1	-584.7	0.00	0.00	0.00
6,310.0	7.11	344.02	6,272.5	587.0	-168.1	-584.8	0.00	0.00	0.00
6,311.0	7.11	344.02	6,273.5	587.1	-168.2	-584.9	0.00	0.00	0.00
6,312.0	7.11	344.02	6,274.5	587.2	-168.2	-585.1	0.00	0.00	0.00
6,313.0	7.11	344.02	6,275.5	587.3	-168.2	-585.2	0.00	0.00	0.00
6,314.0	7.11	344.02	6,276.5	587.5	-168.3	-585.3	0.00	0.00	0.00
6,315.0	7.11	344.02	6,277.5	587.6	-168.3	-585.4	0.00	0.00	0.00
6,316.0	7.11	344.02	6,278.5	587.7	-168.3	-585.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,317.0	7.11	344.02	6,279.5	587.8	-168.4	-585.6	0.00	0.00	0.00
6,318.0	7.11	344.02	6,280.5	587.9	-168.4	-585.8	0.00	0.00	0.00
6,319.0	7.11	344.02	6,281.5	588.0	-168.5	-585.9	0.00	0.00	0.00
6,320.0	7.11	344.02	6,282.4	588.2	-168.5	-586.0	0.00	0.00	0.00
6,321.0	7.11	344.02	6,283.4	588.3	-168.5	-586.1	0.00	0.00	0.00
6,322.0	7.11	344.02	6,284.4	588.4	-168.6	-586.2	0.00	0.00	0.00
6,323.0	7.11	344.02	6,285.4	588.5	-168.6	-586.4	0.00	0.00	0.00
6,324.0	7.11	344.02	6,286.4	588.6	-168.6	-586.5	0.00	0.00	0.00
6,325.0	7.11	344.02	6,287.4	588.8	-168.7	-586.6	0.00	0.00	0.00
6,326.0	7.11	344.02	6,288.4	588.9	-168.7	-586.7	0.00	0.00	0.00
6,327.0	7.11	344.02	6,289.4	589.0	-168.7	-586.8	0.00	0.00	0.00
6,328.0	7.11	344.02	6,290.4	589.1	-168.8	-587.0	0.00	0.00	0.00
6,329.0	7.11	344.02	6,291.4	589.2	-168.8	-587.1	0.00	0.00	0.00
6,330.0	7.11	344.02	6,292.4	589.4	-168.8	-587.2	0.00	0.00	0.00
6,331.0	7.11	344.02	6,293.4	589.5	-168.9	-587.3	0.00	0.00	0.00
6,332.0	7.11	344.02	6,294.4	589.6	-168.9	-587.4	0.00	0.00	0.00
6,333.0	7.11	344.02	6,295.3	589.7	-168.9	-587.5	0.00	0.00	0.00
6,334.0	7.11	344.02	6,296.3	589.8	-169.0	-587.7	0.00	0.00	0.00
6,335.0	7.11	344.02	6,297.3	590.0	-169.0	-587.8	0.00	0.00	0.00
6,336.0	7.11	344.02	6,298.3	590.1	-169.0	-587.9	0.00	0.00	0.00
6,337.0	7.11	344.02	6,299.3	590.2	-169.1	-588.0	0.00	0.00	0.00
6,338.0	7.11	344.02	6,300.3	590.3	-169.1	-588.1	0.00	0.00	0.00
6,339.0	7.11	344.02	6,301.3	590.4	-169.1	-588.3	0.00	0.00	0.00
6,340.0	7.11	344.02	6,302.3	590.5	-169.2	-588.4	0.00	0.00	0.00
6,341.0	7.11	344.02	6,303.3	590.7	-169.2	-588.5	0.00	0.00	0.00
6,342.0	7.11	344.02	6,304.3	590.8	-169.2	-588.6	0.00	0.00	0.00
6,343.0	7.11	344.02	6,305.3	590.9	-169.3	-588.7	0.00	0.00	0.00
6,344.0	7.11	344.02	6,306.3	591.0	-169.3	-588.8	0.00	0.00	0.00
6,345.0	7.11	344.02	6,307.3	591.1	-169.3	-589.0	0.00	0.00	0.00
6,346.0	7.11	344.02	6,308.2	591.3	-169.4	-589.1	0.00	0.00	0.00
6,347.0	7.11	344.02	6,309.2	591.4	-169.4	-589.2	0.00	0.00	0.00
6,348.0	7.11	344.02	6,310.2	591.5	-169.4	-589.3	0.00	0.00	0.00
6,349.0	7.11	344.02	6,311.2	591.6	-169.5	-589.4	0.00	0.00	0.00
6,350.0	7.11	344.02	6,312.2	591.7	-169.5	-589.6	0.00	0.00	0.00
6,351.0	7.11	344.02	6,313.2	591.9	-169.5	-589.7	0.00	0.00	0.00
6,352.0	7.11	344.02	6,314.2	592.0	-169.6	-589.8	0.00	0.00	0.00
6,353.0	7.11	344.02	6,315.2	592.1	-169.6	-589.9	0.00	0.00	0.00
6,354.0	7.11	344.02	6,316.2	592.2	-169.6	-590.0	0.00	0.00	0.00
6,355.0	7.11	344.02	6,317.2	592.3	-169.7	-590.2	0.00	0.00	0.00
6,356.0	7.11	344.02	6,318.2	592.4	-169.7	-590.3	0.00	0.00	0.00
6,357.0	7.11	344.02	6,319.2	592.6	-169.7	-590.4	0.00	0.00	0.00
6,358.0	7.11	344.02	6,320.2	592.7	-169.8	-590.5	0.00	0.00	0.00
6,359.0	7.11	344.02	6,321.1	592.8	-169.8	-590.6	0.00	0.00	0.00
6,360.0	7.11	344.02	6,322.1	592.9	-169.8	-590.7	0.00	0.00	0.00
6,361.0	7.11	344.02	6,323.1	593.0	-169.9	-590.9	0.00	0.00	0.00
6,362.0	7.11	344.02	6,324.1	593.2	-169.9	-591.0	0.00	0.00	0.00
6,363.0	7.11	344.02	6,325.1	593.3	-170.0	-591.1	0.00	0.00	0.00
6,364.0	7.11	344.02	6,326.1	593.4	-170.0	-591.2	0.00	0.00	0.00
6,365.0	7.11	344.02	6,327.1	593.5	-170.0	-591.3	0.00	0.00	0.00
6,366.0	7.11	344.02	6,328.1	593.6	-170.1	-591.5	0.00	0.00	0.00
6,367.0	7.11	344.02	6,329.1	593.8	-170.1	-591.6	0.00	0.00	0.00
6,368.0	7.11	344.02	6,330.1	593.9	-170.1	-591.7	0.00	0.00	0.00
6,369.0	7.11	344.02	6,331.1	594.0	-170.2	-591.8	0.00	0.00	0.00
6,370.0	7.11	344.02	6,332.1	594.1	-170.2	-591.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,371.0	7.11	344.02	6,333.1	594.2	-170.2	-592.0	0.00	0.00	0.00
6,372.0	7.11	344.02	6,334.0	594.4	-170.3	-592.2	0.00	0.00	0.00
6,373.0	7.11	344.02	6,335.0	594.5	-170.3	-592.3	0.00	0.00	0.00
6,374.0	7.11	344.02	6,336.0	594.6	-170.3	-592.4	0.00	0.00	0.00
6,375.0	7.11	344.02	6,337.0	594.7	-170.4	-592.5	0.00	0.00	0.00
6,376.0	7.11	344.02	6,338.0	594.8	-170.4	-592.6	0.00	0.00	0.00
6,377.0	7.11	344.02	6,339.0	594.9	-170.4	-592.8	0.00	0.00	0.00
6,378.0	7.11	344.02	6,340.0	595.1	-170.5	-592.9	0.00	0.00	0.00
6,379.0	7.11	344.02	6,341.0	595.2	-170.5	-593.0	0.00	0.00	0.00
6,380.0	7.11	344.02	6,342.0	595.3	-170.5	-593.1	0.00	0.00	0.00
6,381.0	7.11	344.02	6,343.0	595.4	-170.6	-593.2	0.00	0.00	0.00
6,382.0	7.11	344.02	6,344.0	595.5	-170.6	-593.4	0.00	0.00	0.00
6,383.0	7.11	344.02	6,345.0	595.7	-170.6	-593.5	0.00	0.00	0.00
6,384.0	7.11	344.02	6,346.0	595.8	-170.7	-593.6	0.00	0.00	0.00
6,385.0	7.11	344.02	6,346.9	595.9	-170.7	-593.7	0.00	0.00	0.00
6,386.0	7.11	344.02	6,347.9	596.0	-170.7	-593.8	0.00	0.00	0.00
6,387.0	7.11	344.02	6,348.9	596.1	-170.8	-593.9	0.00	0.00	0.00
6,388.0	7.11	344.02	6,349.9	596.3	-170.8	-594.1	0.00	0.00	0.00
6,389.0	7.11	344.02	6,350.9	596.4	-170.8	-594.2	0.00	0.00	0.00
6,390.0	7.11	344.02	6,351.9	596.5	-170.9	-594.3	0.00	0.00	0.00
6,391.0	7.11	344.02	6,352.9	596.6	-170.9	-594.4	0.00	0.00	0.00
6,392.0	7.11	344.02	6,353.9	596.7	-170.9	-594.5	0.00	0.00	0.00
6,393.0	7.11	344.02	6,354.9	596.9	-171.0	-594.7	0.00	0.00	0.00
6,394.0	7.11	344.02	6,355.9	597.0	-171.0	-594.8	0.00	0.00	0.00
6,395.0	7.11	344.02	6,356.9	597.1	-171.0	-594.9	0.00	0.00	0.00
6,396.0	7.11	344.02	6,357.9	597.2	-171.1	-595.0	0.00	0.00	0.00
6,397.0	7.11	344.02	6,358.9	597.3	-171.1	-595.1	0.00	0.00	0.00
6,398.0	7.11	344.02	6,359.8	597.4	-171.1	-595.3	0.00	0.00	0.00
6,399.0	7.11	344.02	6,360.8	597.6	-171.2	-595.4	0.00	0.00	0.00
6,400.0	7.11	344.02	6,361.8	597.7	-171.2	-595.5	0.00	0.00	0.00
6,401.0	7.11	344.02	6,362.8	597.8	-171.2	-595.6	0.00	0.00	0.00
6,402.0	7.11	344.02	6,363.8	597.9	-171.3	-595.7	0.00	0.00	0.00
6,403.0	7.11	344.02	6,364.8	598.0	-171.3	-595.8	0.00	0.00	0.00
6,404.0	7.11	344.02	6,365.8	598.2	-171.3	-596.0	0.00	0.00	0.00
6,405.0	7.11	344.02	6,366.8	598.3	-171.4	-596.1	0.00	0.00	0.00
6,406.0	7.11	344.02	6,367.8	598.4	-171.4	-596.2	0.00	0.00	0.00
6,407.0	7.11	344.02	6,368.8	598.5	-171.5	-596.3	0.00	0.00	0.00
6,408.0	7.11	344.02	6,369.8	598.6	-171.5	-596.4	0.00	0.00	0.00
6,409.0	7.11	344.02	6,370.8	598.8	-171.5	-596.6	0.00	0.00	0.00
6,410.0	7.11	344.02	6,371.8	598.9	-171.6	-596.7	0.00	0.00	0.00
6,411.0	7.11	344.02	6,372.7	599.0	-171.6	-596.8	0.00	0.00	0.00
6,412.0	7.11	344.02	6,373.7	599.1	-171.6	-596.9	0.00	0.00	0.00
6,413.0	7.11	344.02	6,374.7	599.2	-171.7	-597.0	0.00	0.00	0.00
6,414.0	7.11	344.02	6,375.7	599.4	-171.7	-597.1	0.00	0.00	0.00
6,415.0	7.11	344.02	6,376.7	599.5	-171.7	-597.3	0.00	0.00	0.00
6,416.0	7.11	344.02	6,377.7	599.6	-171.8	-597.4	0.00	0.00	0.00
6,417.0	7.11	344.02	6,378.7	599.7	-171.8	-597.5	0.00	0.00	0.00
6,418.0	7.11	344.02	6,379.7	599.8	-171.8	-597.6	0.00	0.00	0.00
6,419.0	7.11	344.02	6,380.7	599.9	-171.9	-597.7	0.00	0.00	0.00
6,420.0	7.11	344.02	6,381.7	600.1	-171.9	-597.9	0.00	0.00	0.00
6,421.0	7.11	344.02	6,382.7	600.2	-171.9	-598.0	0.00	0.00	0.00
6,422.0	7.11	344.02	6,383.7	600.3	-172.0	-598.1	0.00	0.00	0.00
6,423.0	7.11	344.02	6,384.7	600.4	-172.0	-598.2	0.00	0.00	0.00
6,424.0	7.11	344.02	6,385.6	600.5	-172.0	-598.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,425.0	7.11	344.02	6,386.6	600.7	-172.1	-598.5	0.00	0.00	0.00
6,426.0	7.11	344.02	6,387.6	600.8	-172.1	-598.6	0.00	0.00	0.00
6,427.0	7.11	344.02	6,388.6	600.9	-172.1	-598.7	0.00	0.00	0.00
6,428.0	7.11	344.02	6,389.6	601.0	-172.2	-598.8	0.00	0.00	0.00
6,429.0	7.11	344.02	6,390.6	601.1	-172.2	-598.9	0.00	0.00	0.00
6,430.0	7.11	344.02	6,391.6	601.3	-172.2	-599.0	0.00	0.00	0.00
6,431.0	7.11	344.02	6,392.6	601.4	-172.3	-599.2	0.00	0.00	0.00
6,432.0	7.11	344.02	6,393.6	601.5	-172.3	-599.3	0.00	0.00	0.00
6,433.0	7.11	344.02	6,394.6	601.6	-172.3	-599.4	0.00	0.00	0.00
6,434.0	7.11	344.02	6,395.6	601.7	-172.4	-599.5	0.00	0.00	0.00
6,435.0	7.11	344.02	6,396.6	601.9	-172.4	-599.6	0.00	0.00	0.00
6,436.0	7.11	344.02	6,397.6	602.0	-172.4	-599.8	0.00	0.00	0.00
6,437.0	7.11	344.02	6,398.5	602.1	-172.5	-599.9	0.00	0.00	0.00
6,438.0	7.11	344.02	6,399.5	602.2	-172.5	-600.0	0.00	0.00	0.00
6,439.0	7.11	344.02	6,400.5	602.3	-172.5	-600.1	0.00	0.00	0.00
6,440.0	7.11	344.02	6,401.5	602.4	-172.6	-600.2	0.00	0.00	0.00
6,441.0	7.11	344.02	6,402.5	602.6	-172.6	-600.3	0.00	0.00	0.00
6,442.0	7.11	344.02	6,403.5	602.7	-172.6	-600.5	0.00	0.00	0.00
6,443.0	7.11	344.02	6,404.5	602.8	-172.7	-600.6	0.00	0.00	0.00
6,444.0	7.11	344.02	6,405.5	602.9	-172.7	-600.7	0.00	0.00	0.00
6,445.0	7.11	344.02	6,406.5	603.0	-172.7	-600.8	0.00	0.00	0.00
6,446.0	7.11	344.02	6,407.5	603.2	-172.8	-600.9	0.00	0.00	0.00
6,447.0	7.11	344.02	6,408.5	603.3	-172.8	-601.1	0.00	0.00	0.00
6,448.0	7.11	344.02	6,409.5	603.4	-172.8	-601.2	0.00	0.00	0.00
6,449.0	7.11	344.02	6,410.5	603.5	-172.9	-601.3	0.00	0.00	0.00
6,450.0	7.11	344.02	6,411.4	603.6	-172.9	-601.4	0.00	0.00	0.00
6,451.0	7.11	344.02	6,412.4	603.8	-173.0	-601.5	0.00	0.00	0.00
6,452.0	7.11	344.02	6,413.4	603.9	-173.0	-601.7	0.00	0.00	0.00
6,453.0	7.11	344.02	6,414.4	604.0	-173.0	-601.8	0.00	0.00	0.00
6,454.0	7.11	344.02	6,415.4	604.1	-173.1	-601.9	0.00	0.00	0.00
6,455.0	7.11	344.02	6,416.4	604.2	-173.1	-602.0	0.00	0.00	0.00
6,456.0	7.11	344.02	6,417.4	604.3	-173.1	-602.1	0.00	0.00	0.00
6,457.0	7.11	344.02	6,418.4	604.5	-173.2	-602.2	0.00	0.00	0.00
6,458.0	7.11	344.02	6,419.4	604.6	-173.2	-602.4	0.00	0.00	0.00
6,459.0	7.11	344.02	6,420.4	604.7	-173.2	-602.5	0.00	0.00	0.00
6,460.0	7.11	344.02	6,421.4	604.8	-173.3	-602.6	0.00	0.00	0.00
6,461.0	7.11	344.02	6,422.4	604.9	-173.3	-602.7	0.00	0.00	0.00
6,462.0	7.11	344.02	6,423.4	605.1	-173.3	-602.8	0.00	0.00	0.00
6,463.0	7.11	344.02	6,424.3	605.2	-173.4	-603.0	0.00	0.00	0.00
6,464.0	7.11	344.02	6,425.3	605.3	-173.4	-603.1	0.00	0.00	0.00
6,465.0	7.11	344.02	6,426.3	605.4	-173.4	-603.2	0.00	0.00	0.00
6,466.0	7.11	344.02	6,427.3	605.5	-173.5	-603.3	0.00	0.00	0.00
6,467.0	7.11	344.02	6,428.3	605.7	-173.5	-603.4	0.00	0.00	0.00
6,468.0	7.11	344.02	6,429.3	605.8	-173.5	-603.5	0.00	0.00	0.00
6,469.0	7.11	344.02	6,430.3	605.9	-173.6	-603.7	0.00	0.00	0.00
6,470.0	7.11	344.02	6,431.3	606.0	-173.6	-603.8	0.00	0.00	0.00
6,471.0	7.11	344.02	6,432.3	606.1	-173.6	-603.9	0.00	0.00	0.00
6,472.0	7.11	344.02	6,433.3	606.3	-173.7	-604.0	0.00	0.00	0.00
6,473.0	7.11	344.02	6,434.3	606.4	-173.7	-604.1	0.00	0.00	0.00
6,474.0	7.11	344.02	6,435.3	606.5	-173.7	-604.3	0.00	0.00	0.00
6,475.0	7.11	344.02	6,436.3	606.6	-173.8	-604.4	0.00	0.00	0.00
6,476.0	7.11	344.02	6,437.2	606.7	-173.8	-604.5	0.00	0.00	0.00
6,477.0	7.11	344.02	6,438.2	606.8	-173.8	-604.6	0.00	0.00	0.00
6,478.0	7.11	344.02	6,439.2	607.0	-173.9	-604.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,479.0	7.11	344.02	6,440.2	607.1	-173.9	-604.9	0.00	0.00	0.00
6,480.0	7.11	344.02	6,441.2	607.2	-173.9	-605.0	0.00	0.00	0.00
6,481.0	7.11	344.02	6,442.2	607.3	-174.0	-605.1	0.00	0.00	0.00
6,482.0	7.11	344.02	6,443.2	607.4	-174.0	-605.2	0.00	0.00	0.00
6,483.0	7.11	344.02	6,444.2	607.6	-174.0	-605.3	0.00	0.00	0.00
6,484.0	7.11	344.02	6,445.2	607.7	-174.1	-605.4	0.00	0.00	0.00
6,485.0	7.11	344.02	6,446.2	607.8	-174.1	-605.6	0.00	0.00	0.00
6,486.0	7.11	344.02	6,447.2	607.9	-174.1	-605.7	0.00	0.00	0.00
6,487.0	7.11	344.02	6,448.2	608.0	-174.2	-605.8	0.00	0.00	0.00
6,488.0	7.11	344.02	6,449.2	608.2	-174.2	-605.9	0.00	0.00	0.00
6,489.0	7.11	344.02	6,450.1	608.3	-174.2	-606.0	0.00	0.00	0.00
6,490.0	7.11	344.02	6,451.1	608.4	-174.3	-606.2	0.00	0.00	0.00
6,491.0	7.11	344.02	6,452.1	608.5	-174.3	-606.3	0.00	0.00	0.00
6,492.0	7.11	344.02	6,453.1	608.6	-174.3	-606.4	0.00	0.00	0.00
6,493.0	7.11	344.02	6,454.1	608.8	-174.4	-606.5	0.00	0.00	0.00
6,494.0	7.11	344.02	6,455.1	608.9	-174.4	-606.6	0.00	0.00	0.00
6,495.0	7.11	344.02	6,456.1	609.0	-174.5	-606.8	0.00	0.00	0.00
6,496.0	7.11	344.02	6,457.1	609.1	-174.5	-606.9	0.00	0.00	0.00
6,497.0	7.11	344.02	6,458.1	609.2	-174.5	-607.0	0.00	0.00	0.00
6,498.0	7.11	344.02	6,459.1	609.3	-174.6	-607.1	0.00	0.00	0.00
6,499.0	7.11	344.02	6,460.1	609.5	-174.6	-607.2	0.00	0.00	0.00
6,500.0	7.11	344.02	6,461.1	609.6	-174.6	-607.3	0.00	0.00	0.00
6,501.0	7.11	344.02	6,462.1	609.7	-174.7	-607.5	0.00	0.00	0.00
6,502.0	7.11	344.02	6,463.0	609.8	-174.7	-607.6	0.00	0.00	0.00
6,503.0	7.11	344.02	6,464.0	609.9	-174.7	-607.7	0.00	0.00	0.00
6,504.0	7.11	344.02	6,465.0	610.1	-174.8	-607.8	0.00	0.00	0.00
6,505.0	7.11	344.02	6,466.0	610.2	-174.8	-607.9	0.00	0.00	0.00
6,506.0	7.11	344.02	6,467.0	610.3	-174.8	-608.1	0.00	0.00	0.00
6,507.0	7.11	344.02	6,468.0	610.4	-174.9	-608.2	0.00	0.00	0.00
6,508.0	7.11	344.02	6,469.0	610.5	-174.9	-608.3	0.00	0.00	0.00
6,509.0	7.11	344.02	6,470.0	610.7	-174.9	-608.4	0.00	0.00	0.00
6,510.0	7.11	344.02	6,471.0	610.8	-175.0	-608.5	0.00	0.00	0.00
6,511.0	7.11	344.02	6,472.0	610.9	-175.0	-608.6	0.00	0.00	0.00
6,512.0	7.11	344.02	6,473.0	611.0	-175.0	-608.8	0.00	0.00	0.00
6,513.0	7.11	344.02	6,474.0	611.1	-175.1	-608.9	0.00	0.00	0.00
6,514.0	7.11	344.02	6,475.0	611.3	-175.1	-609.0	0.00	0.00	0.00
6,515.0	7.11	344.02	6,475.9	611.4	-175.1	-609.1	0.00	0.00	0.00
6,516.0	7.11	344.02	6,476.9	611.5	-175.2	-609.2	0.00	0.00	0.00
6,517.0	7.11	344.02	6,477.9	611.6	-175.2	-609.4	0.00	0.00	0.00
6,518.0	7.11	344.02	6,478.9	611.7	-175.2	-609.5	0.00	0.00	0.00
6,519.0	7.11	344.02	6,479.9	611.8	-175.3	-609.6	0.00	0.00	0.00
6,520.0	7.11	344.02	6,480.9	612.0	-175.3	-609.7	0.00	0.00	0.00
6,521.0	7.11	344.02	6,481.9	612.1	-175.3	-609.8	0.00	0.00	0.00
6,522.0	7.11	344.02	6,482.9	612.2	-175.4	-610.0	0.00	0.00	0.00
6,523.0	7.11	344.02	6,483.9	612.3	-175.4	-610.1	0.00	0.00	0.00
6,524.0	7.11	344.02	6,484.9	612.4	-175.4	-610.2	0.00	0.00	0.00
6,525.0	7.11	344.02	6,485.9	612.6	-175.5	-610.3	0.00	0.00	0.00
6,526.0	7.11	344.02	6,486.9	612.7	-175.5	-610.4	0.00	0.00	0.00
6,527.0	7.11	344.02	6,487.9	612.8	-175.5	-610.5	0.00	0.00	0.00
6,528.0	7.11	344.02	6,488.8	612.9	-175.6	-610.7	0.00	0.00	0.00
6,529.0	7.11	344.02	6,489.8	613.0	-175.6	-610.8	0.00	0.00	0.00
6,530.0	7.11	344.02	6,490.8	613.2	-175.6	-610.9	0.00	0.00	0.00
6,531.0	7.11	344.02	6,491.8	613.3	-175.7	-611.0	0.00	0.00	0.00
6,532.0	7.11	344.02	6,492.8	613.4	-175.7	-611.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,533.0	7.11	344.02	6,493.8	613.5	-175.7	-611.3	0.00	0.00	0.00
6,534.0	7.11	344.02	6,494.8	613.6	-175.8	-611.4	0.00	0.00	0.00
6,535.0	7.11	344.02	6,495.8	613.8	-175.8	-611.5	0.00	0.00	0.00
6,536.0	7.11	344.02	6,496.8	613.9	-175.8	-611.6	0.00	0.00	0.00
6,537.0	7.11	344.02	6,497.8	614.0	-175.9	-611.7	0.00	0.00	0.00
6,538.0	7.11	344.02	6,498.8	614.1	-175.9	-611.8	0.00	0.00	0.00
6,539.0	7.11	344.02	6,499.8	614.2	-176.0	-612.0	0.00	0.00	0.00
6,540.0	7.11	344.02	6,500.8	614.3	-176.0	-612.1	0.00	0.00	0.00
6,541.0	7.11	344.02	6,501.7	614.5	-176.0	-612.2	0.00	0.00	0.00
6,542.0	7.11	344.02	6,502.7	614.6	-176.1	-612.3	0.00	0.00	0.00
6,543.0	7.11	344.02	6,503.7	614.7	-176.1	-612.4	0.00	0.00	0.00
6,544.0	7.11	344.02	6,504.7	614.8	-176.1	-612.6	0.00	0.00	0.00
6,545.0	7.11	344.02	6,505.7	614.9	-176.2	-612.7	0.00	0.00	0.00
6,546.0	7.11	344.02	6,506.7	615.1	-176.2	-612.8	0.00	0.00	0.00
6,547.0	7.11	344.02	6,507.7	615.2	-176.2	-612.9	0.00	0.00	0.00
6,548.0	7.11	344.02	6,508.7	615.3	-176.3	-613.0	0.00	0.00	0.00
6,549.0	7.11	344.02	6,509.7	615.4	-176.3	-613.2	0.00	0.00	0.00
6,550.0	7.11	344.02	6,510.7	615.5	-176.3	-613.3	0.00	0.00	0.00
6,551.0	7.11	344.02	6,511.7	615.7	-176.4	-613.4	0.00	0.00	0.00
6,552.0	7.11	344.02	6,512.7	615.8	-176.4	-613.5	0.00	0.00	0.00
6,553.0	7.11	344.02	6,513.7	615.9	-176.4	-613.6	0.00	0.00	0.00
6,554.0	7.11	344.02	6,514.6	616.0	-176.5	-613.7	0.00	0.00	0.00
6,555.0	7.11	344.02	6,515.6	616.1	-176.5	-613.9	0.00	0.00	0.00
6,556.0	7.11	344.02	6,516.6	616.3	-176.5	-614.0	0.00	0.00	0.00
6,557.0	7.11	344.02	6,517.6	616.4	-176.6	-614.1	0.00	0.00	0.00
6,558.0	7.11	344.02	6,518.6	616.5	-176.6	-614.2	0.00	0.00	0.00
6,559.0	7.11	344.02	6,519.6	616.6	-176.6	-614.3	0.00	0.00	0.00
6,560.0	7.11	344.02	6,520.6	616.7	-176.7	-614.5	0.00	0.00	0.00
6,561.0	7.11	344.02	6,521.6	616.8	-176.7	-614.6	0.00	0.00	0.00
6,562.0	7.11	344.02	6,522.6	617.0	-176.7	-614.7	0.00	0.00	0.00
6,563.0	7.11	344.02	6,523.6	617.1	-176.8	-614.8	0.00	0.00	0.00
6,564.0	7.11	344.02	6,524.6	617.2	-176.8	-614.9	0.00	0.00	0.00
6,565.0	7.11	344.02	6,525.6	617.3	-176.8	-615.1	0.00	0.00	0.00
6,566.0	7.11	344.02	6,526.6	617.4	-176.9	-615.2	0.00	0.00	0.00
6,567.0	7.11	344.02	6,527.5	617.6	-176.9	-615.3	0.00	0.00	0.00
6,568.0	7.11	344.02	6,528.5	617.7	-176.9	-615.4	0.00	0.00	0.00
6,569.0	7.11	344.02	6,529.5	617.8	-177.0	-615.5	0.00	0.00	0.00
6,570.0	7.11	344.02	6,530.5	617.9	-177.0	-615.6	0.00	0.00	0.00
6,571.0	7.11	344.02	6,531.5	618.0	-177.0	-615.8	0.00	0.00	0.00
6,572.0	7.11	344.02	6,532.5	618.2	-177.1	-615.9	0.00	0.00	0.00
6,573.0	7.11	344.02	6,533.5	618.3	-177.1	-616.0	0.00	0.00	0.00
6,574.0	7.11	344.02	6,534.5	618.4	-177.1	-616.1	0.00	0.00	0.00
6,575.0	7.11	344.02	6,535.5	618.5	-177.2	-616.2	0.00	0.00	0.00
6,576.0	7.11	344.02	6,536.5	618.6	-177.2	-616.4	0.00	0.00	0.00
6,577.0	7.11	344.02	6,537.5	618.7	-177.2	-616.5	0.00	0.00	0.00
6,578.0	7.11	344.02	6,538.5	618.9	-177.3	-616.6	0.00	0.00	0.00
6,579.0	7.11	344.02	6,539.5	619.0	-177.3	-616.7	0.00	0.00	0.00
6,580.0	7.11	344.02	6,540.4	619.1	-177.3	-616.8	0.00	0.00	0.00
6,581.0	7.11	344.02	6,541.4	619.2	-177.4	-616.9	0.00	0.00	0.00
6,582.0	7.11	344.02	6,542.4	619.3	-177.4	-617.1	0.00	0.00	0.00
6,583.0	7.11	344.02	6,543.4	619.5	-177.5	-617.2	0.00	0.00	0.00
6,584.0	7.11	344.02	6,544.4	619.6	-177.5	-617.3	0.00	0.00	0.00
6,585.0	7.11	344.02	6,545.4	619.7	-177.5	-617.4	0.00	0.00	0.00
6,586.0	7.11	344.02	6,546.4	619.8	-177.6	-617.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,587.0	7.11	344.02	6,547.4	619.9	-177.6	-617.7	0.00	0.00	0.00
6,588.0	7.11	344.02	6,548.4	620.1	-177.6	-617.8	0.00	0.00	0.00
6,589.0	7.11	344.02	6,549.4	620.2	-177.7	-617.9	0.00	0.00	0.00
6,590.0	7.11	344.02	6,550.4	620.3	-177.7	-618.0	0.00	0.00	0.00
6,591.0	7.11	344.02	6,551.4	620.4	-177.7	-618.1	0.00	0.00	0.00
6,592.0	7.11	344.02	6,552.4	620.5	-177.8	-618.3	0.00	0.00	0.00
6,593.0	7.11	344.02	6,553.3	620.7	-177.8	-618.4	0.00	0.00	0.00
6,594.0	7.11	344.02	6,554.3	620.8	-177.8	-618.5	0.00	0.00	0.00
6,595.0	7.11	344.02	6,555.3	620.9	-177.9	-618.6	0.00	0.00	0.00
6,596.0	7.11	344.02	6,556.3	621.0	-177.9	-618.7	0.00	0.00	0.00
6,597.0	7.11	344.02	6,557.3	621.1	-177.9	-618.8	0.00	0.00	0.00
6,598.0	7.11	344.02	6,558.3	621.2	-178.0	-619.0	0.00	0.00	0.00
6,599.0	7.11	344.02	6,559.3	621.4	-178.0	-619.1	0.00	0.00	0.00
6,600.0	7.11	344.02	6,560.3	621.5	-178.0	-619.2	0.00	0.00	0.00
6,601.0	7.11	344.02	6,561.3	621.6	-178.1	-619.3	0.00	0.00	0.00
6,602.0	7.11	344.02	6,562.3	621.7	-178.1	-619.4	0.00	0.00	0.00
6,603.0	7.11	344.02	6,563.3	621.8	-178.1	-619.6	0.00	0.00	0.00
6,604.0	7.11	344.02	6,564.3	622.0	-178.2	-619.7	0.00	0.00	0.00
6,605.0	7.11	344.02	6,565.3	622.1	-178.2	-619.8	0.00	0.00	0.00
6,606.0	7.11	344.02	6,566.2	622.2	-178.2	-619.9	0.00	0.00	0.00
6,607.0	7.11	344.02	6,567.2	622.3	-178.3	-620.0	0.00	0.00	0.00
6,608.0	7.11	344.02	6,568.2	622.4	-178.3	-620.1	0.00	0.00	0.00
6,609.0	7.11	344.02	6,569.2	622.6	-178.3	-620.3	0.00	0.00	0.00
6,610.0	7.11	344.02	6,570.2	622.7	-178.4	-620.4	0.00	0.00	0.00
6,611.0	7.11	344.02	6,571.2	622.8	-178.4	-620.5	0.00	0.00	0.00
6,612.0	7.11	344.02	6,572.2	622.9	-178.4	-620.6	0.00	0.00	0.00
6,613.0	7.11	344.02	6,573.2	623.0	-178.5	-620.7	0.00	0.00	0.00
6,614.0	7.11	344.02	6,574.2	623.2	-178.5	-620.9	0.00	0.00	0.00
6,615.0	7.11	344.02	6,575.2	623.3	-178.5	-621.0	0.00	0.00	0.00
6,616.0	7.11	344.02	6,576.2	623.4	-178.6	-621.1	0.00	0.00	0.00
6,617.0	7.11	344.02	6,577.2	623.5	-178.6	-621.2	0.00	0.00	0.00
6,618.0	7.11	344.02	6,578.2	623.6	-178.6	-621.3	0.00	0.00	0.00
6,619.0	7.11	344.02	6,579.1	623.7	-178.7	-621.5	0.00	0.00	0.00
6,620.0	7.11	344.02	6,580.1	623.9	-178.7	-621.6	0.00	0.00	0.00
6,621.0	7.11	344.02	6,581.1	624.0	-178.7	-621.7	0.00	0.00	0.00
6,622.0	7.11	344.02	6,582.1	624.1	-178.8	-621.8	0.00	0.00	0.00
6,623.0	7.11	344.02	6,583.1	624.2	-178.8	-621.9	0.00	0.00	0.00
6,624.0	7.11	344.02	6,584.1	624.3	-178.8	-622.0	0.00	0.00	0.00
6,625.0	7.11	344.02	6,585.1	624.5	-178.9	-622.2	0.00	0.00	0.00
6,626.0	7.11	344.02	6,586.1	624.6	-178.9	-622.3	0.00	0.00	0.00
6,627.0	7.11	344.02	6,587.1	624.7	-179.0	-622.4	0.00	0.00	0.00
6,628.0	7.11	344.02	6,588.1	624.8	-179.0	-622.5	0.00	0.00	0.00
6,629.0	7.11	344.02	6,589.1	624.9	-179.0	-622.6	0.00	0.00	0.00
6,630.0	7.11	344.02	6,590.1	625.1	-179.1	-622.8	0.00	0.00	0.00
6,631.0	7.11	344.02	6,591.1	625.2	-179.1	-622.9	0.00	0.00	0.00
6,632.0	7.11	344.02	6,592.0	625.3	-179.1	-623.0	0.00	0.00	0.00
6,633.0	7.11	344.02	6,593.0	625.4	-179.2	-623.1	0.00	0.00	0.00
6,634.0	7.11	344.02	6,594.0	625.5	-179.2	-623.2	0.00	0.00	0.00
6,635.0	7.11	344.02	6,595.0	625.7	-179.2	-623.3	0.00	0.00	0.00
6,636.0	7.11	344.02	6,596.0	625.8	-179.3	-623.5	0.00	0.00	0.00
6,637.0	7.11	344.02	6,597.0	625.9	-179.3	-623.6	0.00	0.00	0.00
6,638.0	7.11	344.02	6,598.0	626.0	-179.3	-623.7	0.00	0.00	0.00
6,639.0	7.11	344.02	6,599.0	626.1	-179.4	-623.8	0.00	0.00	0.00
6,640.0	7.11	344.02	6,600.0	626.2	-179.4	-623.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,641.0	7.11	344.02	6,601.0	626.4	-179.4	-624.1	0.00	0.00	0.00
6,642.0	7.11	344.02	6,602.0	626.5	-179.5	-624.2	0.00	0.00	0.00
6,643.0	7.11	344.02	6,603.0	626.6	-179.5	-624.3	0.00	0.00	0.00
6,644.0	7.11	344.02	6,604.0	626.7	-179.5	-624.4	0.00	0.00	0.00
6,645.0	7.11	344.02	6,604.9	626.8	-179.6	-624.5	0.00	0.00	0.00
6,646.0	7.11	344.02	6,605.9	627.0	-179.6	-624.7	0.00	0.00	0.00
6,647.0	7.11	344.02	6,606.9	627.1	-179.6	-624.8	0.00	0.00	0.00
6,648.0	7.11	344.02	6,607.9	627.2	-179.7	-624.9	0.00	0.00	0.00
6,649.0	7.11	344.02	6,608.9	627.3	-179.7	-625.0	0.00	0.00	0.00
6,650.0	7.11	344.02	6,609.9	627.4	-179.7	-625.1	0.00	0.00	0.00
6,651.0	7.11	344.02	6,610.9	627.6	-179.8	-625.2	0.00	0.00	0.00
6,652.0	7.11	344.02	6,611.9	627.7	-179.8	-625.4	0.00	0.00	0.00
6,653.0	7.11	344.02	6,612.9	627.8	-179.8	-625.5	0.00	0.00	0.00
6,654.0	7.11	344.02	6,613.9	627.9	-179.9	-625.6	0.00	0.00	0.00
6,655.0	7.11	344.02	6,614.9	628.0	-179.9	-625.7	0.00	0.00	0.00
6,656.0	7.11	344.02	6,615.9	628.2	-179.9	-625.8	0.00	0.00	0.00
6,657.0	7.11	344.02	6,616.9	628.3	-180.0	-626.0	0.00	0.00	0.00
6,658.0	7.11	344.02	6,617.8	628.4	-180.0	-626.1	0.00	0.00	0.00
6,659.0	7.11	344.02	6,618.8	628.5	-180.0	-626.2	0.00	0.00	0.00
6,660.0	7.11	344.02	6,619.8	628.6	-180.1	-626.3	0.00	0.00	0.00
6,661.0	7.11	344.02	6,620.8	628.7	-180.1	-626.4	0.00	0.00	0.00
6,662.0	7.11	344.02	6,621.8	628.9	-180.1	-626.6	0.00	0.00	0.00
6,663.0	7.11	344.02	6,622.8	629.0	-180.2	-626.7	0.00	0.00	0.00
6,664.0	7.11	344.02	6,623.8	629.1	-180.2	-626.8	0.00	0.00	0.00
6,665.0	7.11	344.02	6,624.8	629.2	-180.2	-626.9	0.00	0.00	0.00
6,666.0	7.11	344.02	6,625.8	629.3	-180.3	-627.0	0.00	0.00	0.00
6,667.0	7.11	344.02	6,626.8	629.5	-180.3	-627.1	0.00	0.00	0.00
6,668.0	7.11	344.02	6,627.8	629.6	-180.3	-627.3	0.00	0.00	0.00
6,669.0	7.11	344.02	6,628.8	629.7	-180.4	-627.4	0.00	0.00	0.00
6,670.0	7.11	344.02	6,629.8	629.8	-180.4	-627.5	0.00	0.00	0.00
6,671.0	7.11	344.02	6,630.7	629.9	-180.5	-627.6	0.00	0.00	0.00
6,672.0	7.11	344.02	6,631.7	630.1	-180.5	-627.7	0.00	0.00	0.00
6,673.0	7.11	344.02	6,632.7	630.2	-180.5	-627.9	0.00	0.00	0.00
6,674.0	7.11	344.02	6,633.7	630.3	-180.6	-628.0	0.00	0.00	0.00
6,675.0	7.11	344.02	6,634.7	630.4	-180.6	-628.1	0.00	0.00	0.00
6,676.0	7.11	344.02	6,635.7	630.5	-180.6	-628.2	0.00	0.00	0.00
6,677.0	7.11	344.02	6,636.7	630.6	-180.7	-628.3	0.00	0.00	0.00
6,678.0	7.11	344.02	6,637.7	630.8	-180.7	-628.4	0.00	0.00	0.00
6,679.0	7.11	344.02	6,638.7	630.9	-180.7	-628.6	0.00	0.00	0.00
6,680.0	7.11	344.02	6,639.7	631.0	-180.8	-628.7	0.00	0.00	0.00
6,681.0	7.11	344.02	6,640.7	631.1	-180.8	-628.8	0.00	0.00	0.00
6,682.0	7.11	344.02	6,641.7	631.2	-180.8	-628.9	0.00	0.00	0.00
6,683.0	7.11	344.02	6,642.7	631.4	-180.9	-629.0	0.00	0.00	0.00
6,684.0	7.11	344.02	6,643.6	631.5	-180.9	-629.2	0.00	0.00	0.00
6,685.0	7.11	344.02	6,644.6	631.6	-180.9	-629.3	0.00	0.00	0.00
6,686.0	7.11	344.02	6,645.6	631.7	-181.0	-629.4	0.00	0.00	0.00
6,687.0	7.11	344.02	6,646.6	631.8	-181.0	-629.5	0.00	0.00	0.00
6,688.0	7.11	344.02	6,647.6	632.0	-181.0	-629.6	0.00	0.00	0.00
6,689.0	7.11	344.02	6,648.6	632.1	-181.1	-629.8	0.00	0.00	0.00
6,690.0	7.11	344.02	6,649.6	632.2	-181.1	-629.9	0.00	0.00	0.00
6,691.0	7.11	344.02	6,650.6	632.3	-181.1	-630.0	0.00	0.00	0.00
6,692.0	7.11	344.02	6,651.6	632.4	-181.2	-630.1	0.00	0.00	0.00
6,693.0	7.11	344.02	6,652.6	632.6	-181.2	-630.2	0.00	0.00	0.00
6,694.0	7.11	344.02	6,653.6	632.7	-181.2	-630.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,695.0	7.11	344.02	6,654.6	632.8	-181.3	-630.5	0.00	0.00	0.00
6,696.0	7.11	344.02	6,655.6	632.9	-181.3	-630.6	0.00	0.00	0.00
6,697.0	7.11	344.02	6,656.5	633.0	-181.3	-630.7	0.00	0.00	0.00
6,698.0	7.11	344.02	6,657.5	633.1	-181.4	-630.8	0.00	0.00	0.00
6,699.0	7.11	344.02	6,658.5	633.3	-181.4	-630.9	0.00	0.00	0.00
6,700.0	7.11	344.02	6,659.5	633.4	-181.4	-631.1	0.00	0.00	0.00
6,701.0	7.11	344.02	6,660.5	633.5	-181.5	-631.2	0.00	0.00	0.00
6,702.0	7.11	344.02	6,661.5	633.6	-181.5	-631.3	0.00	0.00	0.00
6,703.0	7.11	344.02	6,662.5	633.7	-181.5	-631.4	0.00	0.00	0.00
6,704.0	7.11	344.02	6,663.5	633.9	-181.6	-631.5	0.00	0.00	0.00
6,705.0	7.11	344.02	6,664.5	634.0	-181.6	-631.6	0.00	0.00	0.00
6,706.0	7.11	344.02	6,665.5	634.1	-181.6	-631.8	0.00	0.00	0.00
6,707.0	7.11	344.02	6,666.5	634.2	-181.7	-631.9	0.00	0.00	0.00
6,708.0	7.11	344.02	6,667.5	634.3	-181.7	-632.0	0.00	0.00	0.00
6,709.0	7.11	344.02	6,668.5	634.5	-181.7	-632.1	0.00	0.00	0.00
6,710.0	7.11	344.02	6,669.4	634.6	-181.8	-632.2	0.00	0.00	0.00
6,711.0	7.11	344.02	6,670.4	634.7	-181.8	-632.4	0.00	0.00	0.00
6,712.0	7.11	344.02	6,671.4	634.8	-181.8	-632.5	0.00	0.00	0.00
6,713.0	7.11	344.02	6,672.4	634.9	-181.9	-632.6	0.00	0.00	0.00
6,714.0	7.11	344.02	6,673.4	635.1	-181.9	-632.7	0.00	0.00	0.00
6,715.0	7.11	344.02	6,674.4	635.2	-182.0	-632.8	0.00	0.00	0.00
6,716.0	7.11	344.02	6,675.4	635.3	-182.0	-633.0	0.00	0.00	0.00
6,717.0	7.11	344.02	6,676.4	635.4	-182.0	-633.1	0.00	0.00	0.00
6,718.0	7.11	344.02	6,677.4	635.5	-182.1	-633.2	0.00	0.00	0.00
6,719.0	7.11	344.02	6,678.4	635.6	-182.1	-633.3	0.00	0.00	0.00
6,720.0	7.11	344.02	6,679.4	635.8	-182.1	-633.4	0.00	0.00	0.00
6,721.0	7.11	344.02	6,680.4	635.9	-182.2	-633.5	0.00	0.00	0.00
6,722.0	7.11	344.02	6,681.4	636.0	-182.2	-633.7	0.00	0.00	0.00
6,723.0	7.11	344.02	6,682.3	636.1	-182.2	-633.8	0.00	0.00	0.00
6,724.0	7.11	344.02	6,683.3	636.2	-182.3	-633.9	0.00	0.00	0.00
6,725.0	7.11	344.02	6,684.3	636.4	-182.3	-634.0	0.00	0.00	0.00
6,726.0	7.11	344.02	6,685.3	636.5	-182.3	-634.1	0.00	0.00	0.00
6,727.0	7.11	344.02	6,686.3	636.6	-182.4	-634.3	0.00	0.00	0.00
6,728.0	7.11	344.02	6,687.3	636.7	-182.4	-634.4	0.00	0.00	0.00
6,729.0	7.11	344.02	6,688.3	636.8	-182.4	-634.5	0.00	0.00	0.00
6,730.0	7.11	344.02	6,689.3	637.0	-182.5	-634.6	0.00	0.00	0.00
6,731.0	7.11	344.02	6,690.3	637.1	-182.5	-634.7	0.00	0.00	0.00
6,732.0	7.11	344.02	6,691.3	637.2	-182.5	-634.9	0.00	0.00	0.00
6,733.0	7.11	344.02	6,692.3	637.3	-182.6	-635.0	0.00	0.00	0.00
6,734.0	7.11	344.02	6,693.3	637.4	-182.6	-635.1	0.00	0.00	0.00
6,735.0	7.11	344.02	6,694.3	637.6	-182.6	-635.2	0.00	0.00	0.00
6,736.0	7.11	344.02	6,695.2	637.7	-182.7	-635.3	0.00	0.00	0.00
6,737.0	7.11	344.02	6,696.2	637.8	-182.7	-635.4	0.00	0.00	0.00
6,738.0	7.11	344.02	6,697.2	637.9	-182.7	-635.6	0.00	0.00	0.00
6,739.0	7.11	344.02	6,698.2	638.0	-182.8	-635.7	0.00	0.00	0.00
6,740.0	7.11	344.02	6,699.2	638.1	-182.8	-635.8	0.00	0.00	0.00
6,741.0	7.11	344.02	6,700.2	638.3	-182.8	-635.9	0.00	0.00	0.00
6,742.0	7.11	344.02	6,701.2	638.4	-182.9	-636.0	0.00	0.00	0.00
6,743.0	7.11	344.02	6,702.2	638.5	-182.9	-636.2	0.00	0.00	0.00
6,744.0	7.11	344.02	6,703.2	638.6	-182.9	-636.3	0.00	0.00	0.00
6,745.0	7.11	344.02	6,704.2	638.7	-183.0	-636.4	0.00	0.00	0.00
6,746.0	7.11	344.02	6,705.2	638.9	-183.0	-636.5	0.00	0.00	0.00
6,747.0	7.11	344.02	6,706.2	639.0	-183.0	-636.6	0.00	0.00	0.00
6,748.0	7.11	344.02	6,707.2	639.1	-183.1	-636.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,749.0	7.11	344.02	6,708.1	639.2	-183.1	-636.9	0.00	0.00	0.00
6,750.0	7.11	344.02	6,709.1	639.3	-183.1	-637.0	0.00	0.00	0.00
6,751.0	7.11	344.02	6,710.1	639.5	-183.2	-637.1	0.00	0.00	0.00
6,752.0	7.11	344.02	6,711.1	639.6	-183.2	-637.2	0.00	0.00	0.00
6,753.0	7.11	344.02	6,712.1	639.7	-183.2	-637.3	0.00	0.00	0.00
6,754.0	7.11	344.02	6,713.1	639.8	-183.3	-637.5	0.00	0.00	0.00
6,755.0	7.11	344.02	6,714.1	639.9	-183.3	-637.6	0.00	0.00	0.00
6,756.0	7.11	344.02	6,715.1	640.1	-183.3	-637.7	0.00	0.00	0.00
6,757.0	7.11	344.02	6,716.1	640.2	-183.4	-637.8	0.00	0.00	0.00
6,758.0	7.11	344.02	6,717.1	640.3	-183.4	-637.9	0.00	0.00	0.00
6,759.0	7.11	344.02	6,718.1	640.4	-183.5	-638.1	0.00	0.00	0.00
6,760.0	7.11	344.02	6,719.1	640.5	-183.5	-638.2	0.00	0.00	0.00
6,761.0	7.11	344.02	6,720.1	640.6	-183.5	-638.3	0.00	0.00	0.00
6,762.0	7.11	344.02	6,721.0	640.8	-183.6	-638.4	0.00	0.00	0.00
6,763.0	7.11	344.02	6,722.0	640.9	-183.6	-638.5	0.00	0.00	0.00
6,764.0	7.11	344.02	6,723.0	641.0	-183.6	-638.6	0.00	0.00	0.00
6,765.0	7.11	344.02	6,724.0	641.1	-183.7	-638.8	0.00	0.00	0.00
6,766.0	7.11	344.02	6,725.0	641.2	-183.7	-638.9	0.00	0.00	0.00
6,767.0	7.11	344.02	6,726.0	641.4	-183.7	-639.0	0.00	0.00	0.00
6,768.0	7.11	344.02	6,727.0	641.5	-183.8	-639.1	0.00	0.00	0.00
6,769.0	7.11	344.02	6,728.0	641.6	-183.8	-639.2	0.00	0.00	0.00
6,770.0	7.11	344.02	6,729.0	641.7	-183.8	-639.4	0.00	0.00	0.00
6,771.0	7.11	344.02	6,730.0	641.8	-183.9	-639.5	0.00	0.00	0.00
6,772.0	7.11	344.02	6,731.0	642.0	-183.9	-639.6	0.00	0.00	0.00
6,773.0	7.11	344.02	6,732.0	642.1	-183.9	-639.7	0.00	0.00	0.00
6,774.0	7.11	344.02	6,733.0	642.2	-184.0	-639.8	0.00	0.00	0.00
6,775.0	7.11	344.02	6,733.9	642.3	-184.0	-639.9	0.00	0.00	0.00
6,776.0	7.11	344.02	6,734.9	642.4	-184.0	-640.1	0.00	0.00	0.00
6,777.0	7.11	344.02	6,735.9	642.5	-184.1	-640.2	0.00	0.00	0.00
6,778.0	7.11	344.02	6,736.9	642.7	-184.1	-640.3	0.00	0.00	0.00
6,779.0	7.11	344.02	6,737.9	642.8	-184.1	-640.4	0.00	0.00	0.00
6,780.0	7.11	344.02	6,738.9	642.9	-184.2	-640.5	0.00	0.00	0.00
6,781.0	7.11	344.02	6,739.9	643.0	-184.2	-640.7	0.00	0.00	0.00
6,782.0	7.11	344.02	6,740.9	643.1	-184.2	-640.8	0.00	0.00	0.00
6,783.0	7.11	344.02	6,741.9	643.3	-184.3	-640.9	0.00	0.00	0.00
6,784.0	7.11	344.02	6,742.9	643.4	-184.3	-641.0	0.00	0.00	0.00
6,785.0	7.11	344.02	6,743.9	643.5	-184.3	-641.1	0.00	0.00	0.00
6,786.0	7.11	344.02	6,744.9	643.6	-184.4	-641.3	0.00	0.00	0.00
6,787.0	7.11	344.02	6,745.9	643.7	-184.4	-641.4	0.00	0.00	0.00
6,788.0	7.11	344.02	6,746.8	643.9	-184.4	-641.5	0.00	0.00	0.00
6,789.0	7.11	344.02	6,747.8	644.0	-184.5	-641.6	0.00	0.00	0.00
6,790.0	7.11	344.02	6,748.8	644.1	-184.5	-641.7	0.00	0.00	0.00
6,791.0	7.11	344.02	6,749.8	644.2	-184.5	-641.8	0.00	0.00	0.00
6,792.0	7.11	344.02	6,750.8	644.3	-184.6	-642.0	0.00	0.00	0.00
6,793.0	7.11	344.02	6,751.8	644.5	-184.6	-642.1	0.00	0.00	0.00
6,794.0	7.11	344.02	6,752.8	644.6	-184.6	-642.2	0.00	0.00	0.00
6,795.0	7.11	344.02	6,753.8	644.7	-184.7	-642.3	0.00	0.00	0.00
6,796.0	7.11	344.02	6,754.8	644.8	-184.7	-642.4	0.00	0.00	0.00
6,797.0	7.11	344.02	6,755.8	644.9	-184.7	-642.6	0.00	0.00	0.00
6,798.0	7.11	344.02	6,756.8	645.0	-184.8	-642.7	0.00	0.00	0.00
6,799.0	7.11	344.02	6,757.8	645.2	-184.8	-642.8	0.00	0.00	0.00
6,800.0	7.11	344.02	6,758.8	645.3	-184.8	-642.9	0.00	0.00	0.00
6,801.0	7.11	344.02	6,759.7	645.4	-184.9	-643.0	0.00	0.00	0.00
6,802.0	7.11	344.02	6,760.7	645.5	-184.9	-643.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,803.0	7.11	344.02	6,761.7	645.6	-185.0	-643.3	0.00	0.00	0.00
6,804.0	7.11	344.02	6,762.7	645.8	-185.0	-643.4	0.00	0.00	0.00
6,805.0	7.11	344.02	6,763.7	645.9	-185.0	-643.5	0.00	0.00	0.00
6,806.0	7.11	344.02	6,764.7	646.0	-185.1	-643.6	0.00	0.00	0.00
6,807.0	7.11	344.02	6,765.7	646.1	-185.1	-643.7	0.00	0.00	0.00
6,808.0	7.11	344.02	6,766.7	646.2	-185.1	-643.9	0.00	0.00	0.00
6,809.0	7.11	344.02	6,767.7	646.4	-185.2	-644.0	0.00	0.00	0.00
6,810.0	7.11	344.02	6,768.7	646.5	-185.2	-644.1	0.00	0.00	0.00
6,811.0	7.11	344.02	6,769.7	646.6	-185.2	-644.2	0.00	0.00	0.00
6,812.0	7.11	344.02	6,770.7	646.7	-185.3	-644.3	0.00	0.00	0.00
6,813.0	7.11	344.02	6,771.7	646.8	-185.3	-644.5	0.00	0.00	0.00
6,814.0	7.11	344.02	6,772.6	647.0	-185.3	-644.6	0.00	0.00	0.00
6,815.0	7.11	344.02	6,773.6	647.1	-185.4	-644.7	0.00	0.00	0.00
6,816.0	7.11	344.02	6,774.6	647.2	-185.4	-644.8	0.00	0.00	0.00
6,817.0	7.11	344.02	6,775.6	647.3	-185.4	-644.9	0.00	0.00	0.00
6,818.0	7.11	344.02	6,776.6	647.4	-185.5	-645.0	0.00	0.00	0.00
6,819.0	7.11	344.02	6,777.6	647.5	-185.5	-645.2	0.00	0.00	0.00
6,820.0	7.11	344.02	6,778.6	647.7	-185.5	-645.3	0.00	0.00	0.00
6,821.0	7.11	344.02	6,779.6	647.8	-185.6	-645.4	0.00	0.00	0.00
6,822.0	7.11	344.02	6,780.6	647.9	-185.6	-645.5	0.00	0.00	0.00
6,823.0	7.11	344.02	6,781.6	648.0	-185.6	-645.6	0.00	0.00	0.00
6,824.0	7.11	344.02	6,782.6	648.1	-185.7	-645.8	0.00	0.00	0.00
6,825.0	7.11	344.02	6,783.6	648.3	-185.7	-645.9	0.00	0.00	0.00
6,826.0	7.11	344.02	6,784.6	648.4	-185.7	-646.0	0.00	0.00	0.00
6,827.0	7.11	344.02	6,785.5	648.5	-185.8	-646.1	0.00	0.00	0.00
6,828.0	7.11	344.02	6,786.5	648.6	-185.8	-646.2	0.00	0.00	0.00
6,829.0	7.11	344.02	6,787.5	648.7	-185.8	-646.4	0.00	0.00	0.00
6,830.0	7.11	344.02	6,788.5	648.9	-185.9	-646.5	0.00	0.00	0.00
6,831.0	7.11	344.02	6,789.5	649.0	-185.9	-646.6	0.00	0.00	0.00
6,832.0	7.11	344.02	6,790.5	649.1	-185.9	-646.7	0.00	0.00	0.00
6,833.0	7.11	344.02	6,791.5	649.2	-186.0	-646.8	0.00	0.00	0.00
6,834.0	7.11	344.02	6,792.5	649.3	-186.0	-646.9	0.00	0.00	0.00
6,835.0	7.11	344.02	6,793.5	649.5	-186.0	-647.1	0.00	0.00	0.00
6,836.0	7.11	344.02	6,794.5	649.6	-186.1	-647.2	0.00	0.00	0.00
6,837.0	7.11	344.02	6,795.5	649.7	-186.1	-647.3	0.00	0.00	0.00
6,838.0	7.11	344.02	6,796.5	649.8	-186.1	-647.4	0.00	0.00	0.00
6,839.0	7.11	344.02	6,797.5	649.9	-186.2	-647.5	0.00	0.00	0.00
6,840.0	7.11	344.02	6,798.4	650.0	-186.2	-647.7	0.00	0.00	0.00
6,841.0	7.11	344.02	6,799.4	650.2	-186.2	-647.8	0.00	0.00	0.00
6,842.0	7.11	344.02	6,800.4	650.3	-186.3	-647.9	0.00	0.00	0.00
6,843.0	7.11	344.02	6,801.4	650.4	-186.3	-648.0	0.00	0.00	0.00
6,844.0	7.11	344.02	6,802.4	650.5	-186.3	-648.1	0.00	0.00	0.00
6,845.0	7.11	344.02	6,803.4	650.6	-186.4	-648.2	0.00	0.00	0.00
6,846.0	7.11	344.02	6,804.4	650.8	-186.4	-648.4	0.00	0.00	0.00
6,847.0	7.11	344.02	6,805.4	650.9	-186.4	-648.5	0.00	0.00	0.00
6,848.0	7.11	344.02	6,806.4	651.0	-186.5	-648.6	0.00	0.00	0.00
6,849.0	7.11	344.02	6,807.4	651.1	-186.5	-648.7	0.00	0.00	0.00
6,850.0	7.11	344.02	6,808.4	651.2	-186.6	-648.8	0.00	0.00	0.00
6,851.0	7.11	344.02	6,809.4	651.4	-186.6	-649.0	0.00	0.00	0.00
6,852.0	7.11	344.02	6,810.4	651.5	-186.6	-649.1	0.00	0.00	0.00
6,853.0	7.11	344.02	6,811.3	651.6	-186.7	-649.2	0.00	0.00	0.00
6,854.0	7.11	344.02	6,812.3	651.7	-186.7	-649.3	0.00	0.00	0.00
6,855.0	7.11	344.02	6,813.3	651.8	-186.7	-649.4	0.00	0.00	0.00
6,856.0	7.11	344.02	6,814.3	652.0	-186.8	-649.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,857.0	7.11	344.02	6,815.3	652.1	-186.8	-649.7	0.00	0.00	0.00
6,858.0	7.11	344.02	6,816.3	652.2	-186.8	-649.8	0.00	0.00	0.00
6,859.0	7.11	344.02	6,817.3	652.3	-186.9	-649.9	0.00	0.00	0.00
6,860.0	7.11	344.02	6,818.3	652.4	-186.9	-650.0	0.00	0.00	0.00
6,861.0	7.11	344.02	6,819.3	652.5	-186.9	-650.1	0.00	0.00	0.00
6,862.0	7.11	344.02	6,820.3	652.7	-187.0	-650.3	0.00	0.00	0.00
6,863.0	7.11	344.02	6,821.3	652.8	-187.0	-650.4	0.00	0.00	0.00
6,864.0	7.11	344.02	6,822.3	652.9	-187.0	-650.5	0.00	0.00	0.00
6,865.0	7.11	344.02	6,823.3	653.0	-187.1	-650.6	0.00	0.00	0.00
6,866.0	7.11	344.02	6,824.2	653.1	-187.1	-650.7	0.00	0.00	0.00
6,867.0	7.11	344.02	6,825.2	653.3	-187.1	-650.9	0.00	0.00	0.00
6,868.0	7.11	344.02	6,826.2	653.4	-187.2	-651.0	0.00	0.00	0.00
6,869.0	7.11	344.02	6,827.2	653.5	-187.2	-651.1	0.00	0.00	0.00
6,870.0	7.11	344.02	6,828.2	653.6	-187.2	-651.2	0.00	0.00	0.00
6,871.0	7.11	344.02	6,829.2	653.7	-187.3	-651.3	0.00	0.00	0.00
6,872.0	7.11	344.02	6,830.2	653.9	-187.3	-651.4	0.00	0.00	0.00
6,873.0	7.11	344.02	6,831.2	654.0	-187.3	-651.6	0.00	0.00	0.00
6,874.0	7.11	344.02	6,832.2	654.1	-187.4	-651.7	0.00	0.00	0.00
6,875.0	7.11	344.02	6,833.2	654.2	-187.4	-651.8	0.00	0.00	0.00
6,876.0	7.11	344.02	6,834.2	654.3	-187.4	-651.9	0.00	0.00	0.00
6,877.0	7.11	344.02	6,835.2	654.4	-187.5	-652.0	0.00	0.00	0.00
6,878.0	7.11	344.02	6,836.2	654.6	-187.5	-652.2	0.00	0.00	0.00
6,879.0	7.11	344.02	6,837.1	654.7	-187.5	-652.3	0.00	0.00	0.00
6,880.0	7.11	344.02	6,838.1	654.8	-187.6	-652.4	0.00	0.00	0.00
6,881.0	7.11	344.02	6,839.1	654.9	-187.6	-652.5	0.00	0.00	0.00
6,882.0	7.11	344.02	6,840.1	655.0	-187.6	-652.6	0.00	0.00	0.00
6,883.0	7.11	344.02	6,841.1	655.2	-187.7	-652.8	0.00	0.00	0.00
6,884.0	7.11	344.02	6,842.1	655.3	-187.7	-652.9	0.00	0.00	0.00
6,885.0	7.11	344.02	6,843.1	655.4	-187.7	-653.0	0.00	0.00	0.00
6,886.0	7.11	344.02	6,844.1	655.5	-187.8	-653.1	0.00	0.00	0.00
6,887.0	7.11	344.02	6,845.1	655.6	-187.8	-653.2	0.00	0.00	0.00
6,888.0	7.11	344.02	6,846.1	655.8	-187.8	-653.3	0.00	0.00	0.00
6,889.0	7.11	344.02	6,847.1	655.9	-187.9	-653.5	0.00	0.00	0.00
6,890.0	7.11	344.02	6,848.1	656.0	-187.9	-653.6	0.00	0.00	0.00
6,891.0	7.11	344.02	6,849.1	656.1	-187.9	-653.7	0.00	0.00	0.00
6,892.0	7.11	344.02	6,850.0	656.2	-188.0	-653.8	0.00	0.00	0.00
6,893.0	7.11	344.02	6,851.0	656.4	-188.0	-653.9	0.00	0.00	0.00
6,894.0	7.11	344.02	6,852.0	656.5	-188.1	-654.1	0.00	0.00	0.00
6,895.0	7.11	344.02	6,853.0	656.6	-188.1	-654.2	0.00	0.00	0.00
6,896.0	7.11	344.02	6,854.0	656.7	-188.1	-654.3	0.00	0.00	0.00
6,897.0	7.11	344.02	6,855.0	656.8	-188.2	-654.4	0.00	0.00	0.00
6,898.0	7.11	344.02	6,856.0	656.9	-188.2	-654.5	0.00	0.00	0.00
6,899.0	7.11	344.02	6,857.0	657.1	-188.2	-654.7	0.00	0.00	0.00
6,900.0	7.11	344.02	6,858.0	657.2	-188.3	-654.8	0.00	0.00	0.00
6,901.0	7.11	344.02	6,859.0	657.3	-188.3	-654.9	0.00	0.00	0.00
6,902.0	7.11	344.02	6,860.0	657.4	-188.3	-655.0	0.00	0.00	0.00
6,903.0	7.11	344.02	6,861.0	657.5	-188.4	-655.1	0.00	0.00	0.00
6,904.0	7.11	344.02	6,862.0	657.7	-188.4	-655.2	0.00	0.00	0.00
6,905.0	7.11	344.02	6,862.9	657.8	-188.4	-655.4	0.00	0.00	0.00
6,906.0	7.11	344.02	6,863.9	657.9	-188.5	-655.5	0.00	0.00	0.00
6,907.0	7.11	344.02	6,864.9	658.0	-188.5	-655.6	0.00	0.00	0.00
6,908.0	7.11	344.02	6,865.9	658.1	-188.5	-655.7	0.00	0.00	0.00
6,909.0	7.11	344.02	6,866.9	658.3	-188.6	-655.8	0.00	0.00	0.00
6,910.0	7.11	344.02	6,867.9	658.4	-188.6	-656.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,911.0	7.11	344.02	6,868.9	658.5	-188.6	-656.1	0.00	0.00	0.00
6,912.0	7.11	344.02	6,869.9	658.6	-188.7	-656.2	0.00	0.00	0.00
6,913.0	7.11	344.02	6,870.9	658.7	-188.7	-656.3	0.00	0.00	0.00
6,914.0	7.11	344.02	6,871.9	658.9	-188.7	-656.4	0.00	0.00	0.00
6,915.0	7.11	344.02	6,872.9	659.0	-188.8	-656.5	0.00	0.00	0.00
6,916.0	7.11	344.02	6,873.9	659.1	-188.8	-656.7	0.00	0.00	0.00
6,917.0	7.11	344.02	6,874.9	659.2	-188.8	-656.8	0.00	0.00	0.00
6,918.0	7.11	344.02	6,875.8	659.3	-188.9	-656.9	0.00	0.00	0.00
6,919.0	7.11	344.02	6,876.8	659.4	-188.9	-657.0	0.00	0.00	0.00
6,920.0	7.11	344.02	6,877.8	659.6	-188.9	-657.1	0.00	0.00	0.00
6,921.0	7.11	344.02	6,878.8	659.7	-189.0	-657.3	0.00	0.00	0.00
6,922.0	7.11	344.02	6,879.8	659.8	-189.0	-657.4	0.00	0.00	0.00
6,923.0	7.11	344.02	6,880.8	659.9	-189.0	-657.5	0.00	0.00	0.00
6,924.0	7.11	344.02	6,881.8	660.0	-189.1	-657.6	0.00	0.00	0.00
6,925.0	7.11	344.02	6,882.8	660.2	-189.1	-657.7	0.00	0.00	0.00
6,926.0	7.11	344.02	6,883.8	660.3	-189.1	-657.9	0.00	0.00	0.00
6,927.0	7.11	344.02	6,884.8	660.4	-189.2	-658.0	0.00	0.00	0.00
6,928.0	7.11	344.02	6,885.8	660.5	-189.2	-658.1	0.00	0.00	0.00
6,929.0	7.11	344.02	6,886.8	660.6	-189.2	-658.2	0.00	0.00	0.00
6,930.0	7.11	344.02	6,887.8	660.8	-189.3	-658.3	0.00	0.00	0.00
6,931.0	7.11	344.02	6,888.7	660.9	-189.3	-658.4	0.00	0.00	0.00
6,932.0	7.11	344.02	6,889.7	661.0	-189.3	-658.6	0.00	0.00	0.00
6,933.0	7.11	344.02	6,890.7	661.1	-189.4	-658.7	0.00	0.00	0.00
6,934.0	7.11	344.02	6,891.7	661.2	-189.4	-658.8	0.00	0.00	0.00
6,935.0	7.11	344.02	6,892.7	661.4	-189.4	-658.9	0.00	0.00	0.00
6,936.0	7.11	344.02	6,893.7	661.5	-189.5	-659.0	0.00	0.00	0.00
6,937.0	7.11	344.02	6,894.7	661.6	-189.5	-659.2	0.00	0.00	0.00
6,938.0	7.11	344.02	6,895.7	661.7	-189.6	-659.3	0.00	0.00	0.00
6,939.0	7.11	344.02	6,896.7	661.8	-189.6	-659.4	0.00	0.00	0.00
6,940.0	7.11	344.02	6,897.7	661.9	-189.6	-659.5	0.00	0.00	0.00
6,941.0	7.11	344.02	6,898.7	662.1	-189.7	-659.6	0.00	0.00	0.00
6,942.0	7.11	344.02	6,899.7	662.2	-189.7	-659.7	0.00	0.00	0.00
6,943.0	7.11	344.02	6,900.7	662.3	-189.7	-659.9	0.00	0.00	0.00
6,944.0	7.11	344.02	6,901.6	662.4	-189.8	-660.0	0.00	0.00	0.00
6,945.0	7.11	344.02	6,902.6	662.5	-189.8	-660.1	0.00	0.00	0.00
6,946.0	7.11	344.02	6,903.6	662.7	-189.8	-660.2	0.00	0.00	0.00
6,947.0	7.11	344.02	6,904.6	662.8	-189.9	-660.3	0.00	0.00	0.00
6,948.0	7.11	344.02	6,905.6	662.9	-189.9	-660.5	0.00	0.00	0.00
6,949.0	7.11	344.02	6,906.6	663.0	-189.9	-660.6	0.00	0.00	0.00
6,950.0	7.11	344.02	6,907.6	663.1	-190.0	-660.7	0.00	0.00	0.00
6,951.0	7.11	344.02	6,908.6	663.3	-190.0	-660.8	0.00	0.00	0.00
6,952.0	7.11	344.02	6,909.6	663.4	-190.0	-660.9	0.00	0.00	0.00
6,953.0	7.11	344.02	6,910.6	663.5	-190.1	-661.1	0.00	0.00	0.00
6,954.0	7.11	344.02	6,911.6	663.6	-190.1	-661.2	0.00	0.00	0.00
6,955.0	7.11	344.02	6,912.6	663.7	-190.1	-661.3	0.00	0.00	0.00
6,956.0	7.11	344.02	6,913.6	663.9	-190.2	-661.4	0.00	0.00	0.00
6,957.0	7.11	344.02	6,914.5	664.0	-190.2	-661.5	0.00	0.00	0.00
6,958.0	7.11	344.02	6,915.5	664.1	-190.2	-661.6	0.00	0.00	0.00
6,959.0	7.11	344.02	6,916.5	664.2	-190.3	-661.8	0.00	0.00	0.00
6,960.0	7.11	344.02	6,917.5	664.3	-190.3	-661.9	0.00	0.00	0.00
6,961.0	7.11	344.02	6,918.5	664.4	-190.3	-662.0	0.00	0.00	0.00
6,962.0	7.11	344.02	6,919.5	664.6	-190.4	-662.1	0.00	0.00	0.00
6,963.0	7.11	344.02	6,920.5	664.7	-190.4	-662.2	0.00	0.00	0.00
6,964.0	7.11	344.02	6,921.5	664.8	-190.4	-662.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,965.0	7.11	344.02	6,922.5	664.9	-190.5	-662.5	0.00	0.00	0.00
6,966.0	7.11	344.02	6,923.5	665.0	-190.5	-662.6	0.00	0.00	0.00
6,967.0	7.11	344.02	6,924.5	665.2	-190.5	-662.7	0.00	0.00	0.00
6,968.0	7.11	344.02	6,925.5	665.3	-190.6	-662.8	0.00	0.00	0.00
6,969.0	7.11	344.02	6,926.5	665.4	-190.6	-663.0	0.00	0.00	0.00
6,970.0	7.11	344.02	6,927.4	665.5	-190.6	-663.1	0.00	0.00	0.00
6,971.0	7.11	344.02	6,928.4	665.6	-190.7	-663.2	0.00	0.00	0.00
6,972.0	7.11	344.02	6,929.4	665.8	-190.7	-663.3	0.00	0.00	0.00
6,973.0	7.11	344.02	6,930.4	665.9	-190.7	-663.4	0.00	0.00	0.00
6,974.0	7.11	344.02	6,931.4	666.0	-190.8	-663.5	0.00	0.00	0.00
6,975.0	7.11	344.02	6,932.4	666.1	-190.8	-663.7	0.00	0.00	0.00
6,976.0	7.11	344.02	6,933.4	666.2	-190.8	-663.8	0.00	0.00	0.00
6,977.0	7.11	344.02	6,934.4	666.4	-190.9	-663.9	0.00	0.00	0.00
6,978.0	7.11	344.02	6,935.4	666.5	-190.9	-664.0	0.00	0.00	0.00
6,979.0	7.11	344.02	6,936.4	666.6	-190.9	-664.1	0.00	0.00	0.00
6,980.0	7.11	344.02	6,937.4	666.7	-191.0	-664.3	0.00	0.00	0.00
6,981.0	7.11	344.02	6,938.4	666.8	-191.0	-664.4	0.00	0.00	0.00
6,982.0	7.11	344.02	6,939.4	666.9	-191.1	-664.5	0.00	0.00	0.00
6,983.0	7.11	344.02	6,940.3	667.1	-191.1	-664.6	0.00	0.00	0.00
6,984.0	7.11	344.02	6,941.3	667.2	-191.1	-664.7	0.00	0.00	0.00
6,985.0	7.11	344.02	6,942.3	667.3	-191.2	-664.8	0.00	0.00	0.00
6,986.0	7.11	344.02	6,943.3	667.4	-191.2	-665.0	0.00	0.00	0.00
6,987.0	7.11	344.02	6,944.3	667.5	-191.2	-665.1	0.00	0.00	0.00
6,988.0	7.11	344.02	6,945.3	667.7	-191.3	-665.2	0.00	0.00	0.00
6,989.0	7.11	344.02	6,946.3	667.8	-191.3	-665.3	0.00	0.00	0.00
6,990.0	7.11	344.02	6,947.3	667.9	-191.3	-665.4	0.00	0.00	0.00
6,991.0	7.11	344.02	6,948.3	668.0	-191.4	-665.6	0.00	0.00	0.00
6,992.0	7.11	344.02	6,949.3	668.1	-191.4	-665.7	0.00	0.00	0.00
6,993.0	7.11	344.02	6,950.3	668.3	-191.4	-665.8	0.00	0.00	0.00
6,994.0	7.11	344.02	6,951.3	668.4	-191.5	-665.9	0.00	0.00	0.00
6,995.0	7.11	344.02	6,952.3	668.5	-191.5	-666.0	0.00	0.00	0.00
6,996.0	7.11	344.02	6,953.2	668.6	-191.5	-666.2	0.00	0.00	0.00
6,997.0	7.11	344.02	6,954.2	668.7	-191.6	-666.3	0.00	0.00	0.00
6,998.0	7.11	344.02	6,955.2	668.8	-191.6	-666.4	0.00	0.00	0.00
6,999.0	7.11	344.02	6,956.2	669.0	-191.6	-666.5	0.00	0.00	0.00
7,000.0	7.11	344.02	6,957.2	669.1	-191.7	-666.6	0.00	0.00	0.00
7,001.0	7.11	344.02	6,958.2	669.2	-191.7	-666.7	0.00	0.00	0.00
7,002.0	7.11	344.02	6,959.2	669.3	-191.7	-666.9	0.00	0.00	0.00
7,003.0	7.11	344.02	6,960.2	669.4	-191.8	-667.0	0.00	0.00	0.00
7,004.0	7.11	344.02	6,961.2	669.6	-191.8	-667.1	0.00	0.00	0.00
7,005.0	7.11	344.02	6,962.2	669.7	-191.8	-667.2	0.00	0.00	0.00
7,006.0	7.11	344.02	6,963.2	669.8	-191.9	-667.3	0.00	0.00	0.00
7,007.0	7.11	344.02	6,964.2	669.9	-191.9	-667.5	0.00	0.00	0.00
7,008.0	7.11	344.02	6,965.2	670.0	-191.9	-667.6	0.00	0.00	0.00
7,009.0	7.11	344.02	6,966.1	670.2	-192.0	-667.7	0.00	0.00	0.00
7,010.0	7.11	344.02	6,967.1	670.3	-192.0	-667.8	0.00	0.00	0.00
7,011.0	7.11	344.02	6,968.1	670.4	-192.0	-667.9	0.00	0.00	0.00
7,012.0	7.11	344.02	6,969.1	670.5	-192.1	-668.0	0.00	0.00	0.00
7,013.0	7.11	344.02	6,970.1	670.6	-192.1	-668.2	0.00	0.00	0.00
7,014.0	7.11	344.02	6,971.1	670.8	-192.1	-668.3	0.00	0.00	0.00
7,015.0	7.11	344.02	6,972.1	670.9	-192.2	-668.4	0.00	0.00	0.00
7,016.0	7.11	344.02	6,973.1	671.0	-192.2	-668.5	0.00	0.00	0.00
7,017.0	7.11	344.02	6,974.1	671.1	-192.2	-668.6	0.00	0.00	0.00
7,018.0	7.11	344.02	6,975.1	671.2	-192.3	-668.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,019.0	7.11	344.02	6,976.1	671.3	-192.3	-668.9	0.00	0.00	0.00
7,020.0	7.11	344.02	6,977.1	671.5	-192.3	-669.0	0.00	0.00	0.00
7,021.0	7.11	344.02	6,978.1	671.6	-192.4	-669.1	0.00	0.00	0.00
7,022.0	7.11	344.02	6,979.0	671.7	-192.4	-669.2	0.00	0.00	0.00
7,023.0	7.11	344.02	6,980.0	671.8	-192.4	-669.4	0.00	0.00	0.00
7,024.0	7.11	344.02	6,981.0	671.9	-192.5	-669.5	0.00	0.00	0.00
7,025.0	7.11	344.02	6,982.0	672.1	-192.5	-669.6	0.00	0.00	0.00
7,026.0	7.11	344.02	6,983.0	672.2	-192.6	-669.7	0.00	0.00	0.00
7,027.0	7.11	344.02	6,984.0	672.3	-192.6	-669.8	0.00	0.00	0.00
7,028.0	7.11	344.02	6,985.0	672.4	-192.6	-669.9	0.00	0.00	0.00
7,029.0	7.11	344.02	6,986.0	672.5	-192.7	-670.1	0.00	0.00	0.00
7,030.0	7.11	344.02	6,987.0	672.7	-192.7	-670.2	0.00	0.00	0.00
7,031.0	7.11	344.02	6,988.0	672.8	-192.7	-670.3	0.00	0.00	0.00
7,032.0	7.11	344.02	6,989.0	672.9	-192.8	-670.4	0.00	0.00	0.00
7,033.0	7.11	344.02	6,990.0	673.0	-192.8	-670.5	0.00	0.00	0.00
7,034.0	7.11	344.02	6,991.0	673.1	-192.8	-670.7	0.00	0.00	0.00
7,035.0	7.11	344.02	6,991.9	673.3	-192.9	-670.8	0.00	0.00	0.00
7,036.0	7.11	344.02	6,992.9	673.4	-192.9	-670.9	0.00	0.00	0.00
7,037.0	7.11	344.02	6,993.9	673.5	-192.9	-671.0	0.00	0.00	0.00
7,038.0	7.11	344.02	6,994.9	673.6	-193.0	-671.1	0.00	0.00	0.00
7,039.0	7.11	344.02	6,995.9	673.7	-193.0	-671.3	0.00	0.00	0.00
7,040.0	7.11	344.02	6,996.9	673.8	-193.0	-671.4	0.00	0.00	0.00
7,041.0	7.11	344.02	6,997.9	674.0	-193.1	-671.5	0.00	0.00	0.00
7,042.0	7.11	344.02	6,998.9	674.1	-193.1	-671.6	0.00	0.00	0.00
7,043.0	7.11	344.02	6,999.9	674.2	-193.1	-671.7	0.00	0.00	0.00
7,044.0	7.11	344.02	7,000.9	674.3	-193.2	-671.8	0.00	0.00	0.00
7,045.0	7.11	344.02	7,001.9	674.4	-193.2	-672.0	0.00	0.00	0.00
7,046.0	7.11	344.02	7,002.9	674.6	-193.2	-672.1	0.00	0.00	0.00
7,047.0	7.11	344.02	7,003.9	674.7	-193.3	-672.2	0.00	0.00	0.00
7,048.0	7.11	344.02	7,004.8	674.8	-193.3	-672.3	0.00	0.00	0.00
7,049.0	7.11	344.02	7,005.8	674.9	-193.3	-672.4	0.00	0.00	0.00
7,050.0	7.11	344.02	7,006.8	675.0	-193.4	-672.6	0.00	0.00	0.00
7,051.0	7.11	344.02	7,007.8	675.2	-193.4	-672.7	0.00	0.00	0.00
7,052.0	7.11	344.02	7,008.8	675.3	-193.4	-672.8	0.00	0.00	0.00
7,053.0	7.11	344.02	7,009.8	675.4	-193.5	-672.9	0.00	0.00	0.00
7,054.0	7.11	344.02	7,010.8	675.5	-193.5	-673.0	0.00	0.00	0.00
7,055.0	7.11	344.02	7,011.8	675.6	-193.5	-673.1	0.00	0.00	0.00
7,056.0	7.11	344.02	7,012.8	675.8	-193.6	-673.3	0.00	0.00	0.00
7,057.0	7.11	344.02	7,013.8	675.9	-193.6	-673.4	0.00	0.00	0.00
7,058.0	7.11	344.02	7,014.8	676.0	-193.6	-673.5	0.00	0.00	0.00
7,059.0	7.11	344.02	7,015.8	676.1	-193.7	-673.6	0.00	0.00	0.00
7,060.0	7.11	344.02	7,016.8	676.2	-193.7	-673.7	0.00	0.00	0.00
7,061.0	7.11	344.02	7,017.7	676.3	-193.7	-673.9	0.00	0.00	0.00
7,062.0	7.11	344.02	7,018.7	676.5	-193.8	-674.0	0.00	0.00	0.00
7,063.0	7.11	344.02	7,019.7	676.6	-193.8	-674.1	0.00	0.00	0.00
7,064.0	7.11	344.02	7,020.7	676.7	-193.8	-674.2	0.00	0.00	0.00
7,065.0	7.11	344.02	7,021.7	676.8	-193.9	-674.3	0.00	0.00	0.00
7,066.0	7.11	344.02	7,022.7	676.9	-193.9	-674.5	0.00	0.00	0.00
7,067.0	7.11	344.02	7,023.7	677.1	-193.9	-674.6	0.00	0.00	0.00
7,068.0	7.11	344.02	7,024.7	677.2	-194.0	-674.7	0.00	0.00	0.00
7,069.0	7.11	344.02	7,025.7	677.3	-194.0	-674.8	0.00	0.00	0.00
7,070.0	7.11	344.02	7,026.7	677.4	-194.1	-674.9	0.00	0.00	0.00
7,071.0	7.11	344.02	7,027.7	677.5	-194.1	-675.0	0.00	0.00	0.00
7,072.0	7.11	344.02	7,028.7	677.7	-194.1	-675.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,073.0	7.11	344.02	7,029.7	677.8	-194.2	-675.3	0.00	0.00	0.00
7,074.0	7.11	344.02	7,030.6	677.9	-194.2	-675.4	0.00	0.00	0.00
7,075.0	7.11	344.02	7,031.6	678.0	-194.2	-675.5	0.00	0.00	0.00
7,076.0	7.11	344.02	7,032.6	678.1	-194.3	-675.6	0.00	0.00	0.00
7,077.0	7.11	344.02	7,033.6	678.3	-194.3	-675.8	0.00	0.00	0.00
7,078.0	7.11	344.02	7,034.6	678.4	-194.3	-675.9	0.00	0.00	0.00
7,079.0	7.11	344.02	7,035.6	678.5	-194.4	-676.0	0.00	0.00	0.00
7,080.0	7.11	344.02	7,036.6	678.6	-194.4	-676.1	0.00	0.00	0.00
7,081.0	7.11	344.02	7,037.6	678.7	-194.4	-676.2	0.00	0.00	0.00
7,082.0	7.11	344.02	7,038.6	678.8	-194.5	-676.3	0.00	0.00	0.00
7,083.0	7.11	344.02	7,039.6	679.0	-194.5	-676.5	0.00	0.00	0.00
7,084.0	7.11	344.02	7,040.6	679.1	-194.5	-676.6	0.00	0.00	0.00
7,085.0	7.11	344.02	7,041.6	679.2	-194.6	-676.7	0.00	0.00	0.00
7,086.0	7.11	344.02	7,042.6	679.3	-194.6	-676.8	0.00	0.00	0.00
7,087.0	7.11	344.02	7,043.5	679.4	-194.6	-676.9	0.00	0.00	0.00
7,088.0	7.11	344.02	7,044.5	679.6	-194.7	-677.1	0.00	0.00	0.00
7,089.0	7.11	344.02	7,045.5	679.7	-194.7	-677.2	0.00	0.00	0.00
7,090.0	7.11	344.02	7,046.5	679.8	-194.7	-677.3	0.00	0.00	0.00
7,091.0	7.11	344.02	7,047.5	679.9	-194.8	-677.4	0.00	0.00	0.00
7,092.0	7.11	344.02	7,048.5	680.0	-194.8	-677.5	0.00	0.00	0.00
7,093.0	7.11	344.02	7,049.5	680.2	-194.8	-677.7	0.00	0.00	0.00
7,094.0	7.11	344.02	7,050.5	680.3	-194.9	-677.8	0.00	0.00	0.00
7,095.0	7.11	344.02	7,051.5	680.4	-194.9	-677.9	0.00	0.00	0.00
7,096.0	7.11	344.02	7,052.5	680.5	-194.9	-678.0	0.00	0.00	0.00
7,097.0	7.11	344.02	7,053.5	680.6	-195.0	-678.1	0.00	0.00	0.00
7,098.0	7.11	344.02	7,054.5	680.7	-195.0	-678.2	0.00	0.00	0.00
7,099.0	7.11	344.02	7,055.5	680.9	-195.0	-678.4	0.00	0.00	0.00
7,100.0	7.11	344.02	7,056.4	681.0	-195.1	-678.5	0.00	0.00	0.00
7,101.0	7.11	344.02	7,057.4	681.1	-195.1	-678.6	0.00	0.00	0.00
7,102.0	7.11	344.02	7,058.4	681.2	-195.1	-678.7	0.00	0.00	0.00
7,103.0	7.11	344.02	7,059.4	681.3	-195.2	-678.8	0.00	0.00	0.00
7,104.0	7.11	344.02	7,060.4	681.5	-195.2	-679.0	0.00	0.00	0.00
7,105.0	7.11	344.02	7,061.4	681.6	-195.2	-679.1	0.00	0.00	0.00
7,106.0	7.11	344.02	7,062.4	681.7	-195.3	-679.2	0.00	0.00	0.00
7,107.0	7.11	344.02	7,063.4	681.8	-195.3	-679.3	0.00	0.00	0.00
7,108.0	7.11	344.02	7,064.4	681.9	-195.3	-679.4	0.00	0.00	0.00
7,109.0	7.11	344.02	7,065.4	682.1	-195.4	-679.5	0.00	0.00	0.00
7,110.0	7.11	344.02	7,066.4	682.2	-195.4	-679.7	0.00	0.00	0.00
7,111.0	7.11	344.02	7,067.4	682.3	-195.4	-679.8	0.00	0.00	0.00
7,112.0	7.11	344.02	7,068.4	682.4	-195.5	-679.9	0.00	0.00	0.00
7,113.0	7.11	344.02	7,069.3	682.5	-195.5	-680.0	0.00	0.00	0.00
7,114.0	7.11	344.02	7,070.3	682.7	-195.6	-680.1	0.00	0.00	0.00
7,115.0	7.11	344.02	7,071.3	682.8	-195.6	-680.3	0.00	0.00	0.00
7,116.0	7.11	344.02	7,072.3	682.9	-195.6	-680.4	0.00	0.00	0.00
7,117.0	7.11	344.02	7,073.3	683.0	-195.7	-680.5	0.00	0.00	0.00
7,118.0	7.11	344.02	7,074.3	683.1	-195.7	-680.6	0.00	0.00	0.00
7,119.0	7.11	344.02	7,075.3	683.2	-195.7	-680.7	0.00	0.00	0.00
7,120.0	7.11	344.02	7,076.3	683.4	-195.8	-680.9	0.00	0.00	0.00
7,121.0	7.11	344.02	7,077.3	683.5	-195.8	-681.0	0.00	0.00	0.00
7,122.0	7.11	344.02	7,078.3	683.6	-195.8	-681.1	0.00	0.00	0.00
7,123.0	7.11	344.02	7,079.3	683.7	-195.9	-681.2	0.00	0.00	0.00
7,124.0	7.11	344.02	7,080.3	683.8	-195.9	-681.3	0.00	0.00	0.00
7,125.0	7.11	344.02	7,081.3	684.0	-195.9	-681.4	0.00	0.00	0.00
7,126.0	7.11	344.02	7,082.2	684.1	-196.0	-681.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,127.0	7.11	344.02	7,083.2	684.2	-196.0	-681.7	0.00	0.00	0.00
7,128.0	7.11	344.02	7,084.2	684.3	-196.0	-681.8	0.00	0.00	0.00
7,129.0	7.11	344.02	7,085.2	684.4	-196.1	-681.9	0.00	0.00	0.00
7,130.0	7.11	344.02	7,086.2	684.6	-196.1	-682.0	0.00	0.00	0.00
7,131.0	7.11	344.02	7,087.2	684.7	-196.1	-682.2	0.00	0.00	0.00
7,132.0	7.11	344.02	7,088.2	684.8	-196.2	-682.3	0.00	0.00	0.00
7,133.0	7.11	344.02	7,089.2	684.9	-196.2	-682.4	0.00	0.00	0.00
7,134.0	7.11	344.02	7,090.2	685.0	-196.2	-682.5	0.00	0.00	0.00
7,135.0	7.11	344.02	7,091.2	685.2	-196.3	-682.6	0.00	0.00	0.00
7,136.0	7.11	344.02	7,092.2	685.3	-196.3	-682.8	0.00	0.00	0.00
7,137.0	7.11	344.02	7,093.2	685.4	-196.3	-682.9	0.00	0.00	0.00
7,138.0	7.11	344.02	7,094.2	685.5	-196.4	-683.0	0.00	0.00	0.00
7,139.0	7.11	344.02	7,095.1	685.6	-196.4	-683.1	0.00	0.00	0.00
7,140.0	7.11	344.02	7,096.1	685.7	-196.4	-683.2	0.00	0.00	0.00
7,141.0	7.11	344.02	7,097.1	685.9	-196.5	-683.3	0.00	0.00	0.00
7,142.0	7.11	344.02	7,098.1	686.0	-196.5	-683.5	0.00	0.00	0.00
7,143.0	7.11	344.02	7,099.1	686.1	-196.5	-683.6	0.00	0.00	0.00
7,144.0	7.11	344.02	7,100.1	686.2	-196.6	-683.7	0.00	0.00	0.00
7,145.0	7.11	344.02	7,101.1	686.3	-196.6	-683.8	0.00	0.00	0.00
7,146.0	7.11	344.02	7,102.1	686.5	-196.6	-683.9	0.00	0.00	0.00
7,147.0	7.11	344.02	7,103.1	686.6	-196.7	-684.1	0.00	0.00	0.00
7,148.0	7.11	344.02	7,104.1	686.7	-196.7	-684.2	0.00	0.00	0.00
7,149.0	7.11	344.02	7,105.1	686.8	-196.7	-684.3	0.00	0.00	0.00
7,150.0	7.11	344.02	7,106.1	686.9	-196.8	-684.4	0.00	0.00	0.00
7,151.0	7.11	344.02	7,107.1	687.1	-196.8	-684.5	0.00	0.00	0.00
7,152.0	7.11	344.02	7,108.0	687.2	-196.8	-684.6	0.00	0.00	0.00
7,153.0	7.11	344.02	7,109.0	687.3	-196.9	-684.8	0.00	0.00	0.00
7,154.0	7.11	344.02	7,110.0	687.4	-196.9	-684.9	0.00	0.00	0.00
7,155.0	7.11	344.02	7,111.0	687.5	-196.9	-685.0	0.00	0.00	0.00
7,156.0	7.11	344.02	7,112.0	687.7	-197.0	-685.1	0.00	0.00	0.00
7,157.0	7.11	344.02	7,113.0	687.8	-197.0	-685.2	0.00	0.00	0.00
7,158.0	7.11	344.02	7,114.0	687.9	-197.1	-685.4	0.00	0.00	0.00
7,159.0	7.11	344.02	7,115.0	688.0	-197.1	-685.5	0.00	0.00	0.00
7,160.0	7.11	344.02	7,116.0	688.1	-197.1	-685.6	0.00	0.00	0.00
7,161.0	7.11	344.02	7,117.0	688.2	-197.2	-685.7	0.00	0.00	0.00
7,162.0	7.11	344.02	7,118.0	688.4	-197.2	-685.8	0.00	0.00	0.00
7,163.0	7.11	344.02	7,119.0	688.5	-197.2	-686.0	0.00	0.00	0.00
7,164.0	7.11	344.02	7,120.0	688.6	-197.3	-686.1	0.00	0.00	0.00
7,165.0	7.11	344.02	7,120.9	688.7	-197.3	-686.2	0.00	0.00	0.00
7,166.0	7.11	344.02	7,121.9	688.8	-197.3	-686.3	0.00	0.00	0.00
7,167.0	7.11	344.02	7,122.9	689.0	-197.4	-686.4	0.00	0.00	0.00
7,168.0	7.11	344.02	7,123.9	689.1	-197.4	-686.5	0.00	0.00	0.00
7,169.0	7.11	344.02	7,124.9	689.2	-197.4	-686.7	0.00	0.00	0.00
7,170.0	7.11	344.02	7,125.9	689.3	-197.5	-686.8	0.00	0.00	0.00
7,171.0	7.11	344.02	7,126.9	689.4	-197.5	-686.9	0.00	0.00	0.00
7,172.0	7.11	344.02	7,127.9	689.6	-197.5	-687.0	0.00	0.00	0.00
7,173.0	7.11	344.02	7,128.9	689.7	-197.6	-687.1	0.00	0.00	0.00
7,174.0	7.11	344.02	7,129.9	689.8	-197.6	-687.3	0.00	0.00	0.00
7,175.0	7.11	344.02	7,130.9	689.9	-197.6	-687.4	0.00	0.00	0.00
7,176.0	7.11	344.02	7,131.9	690.0	-197.7	-687.5	0.00	0.00	0.00
7,177.0	7.11	344.02	7,132.9	690.2	-197.7	-687.6	0.00	0.00	0.00
7,178.0	7.11	344.02	7,133.8	690.3	-197.7	-687.7	0.00	0.00	0.00
7,179.0	7.11	344.02	7,134.8	690.4	-197.8	-687.8	0.00	0.00	0.00
7,180.0	7.11	344.02	7,135.8	690.5	-197.8	-688.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,181.0	7.11	344.02	7,136.8	690.6	-197.8	-688.1	0.00	0.00	0.00
7,182.0	7.11	344.02	7,137.8	690.7	-197.9	-688.2	0.00	0.00	0.00
7,183.0	7.11	344.02	7,138.8	690.9	-197.9	-688.3	0.00	0.00	0.00
7,184.0	7.11	344.02	7,139.8	691.0	-197.9	-688.4	0.00	0.00	0.00
7,185.0	7.11	344.02	7,140.8	691.1	-198.0	-688.6	0.00	0.00	0.00
7,186.0	7.11	344.02	7,141.8	691.2	-198.0	-688.7	0.00	0.00	0.00
7,187.0	7.11	344.02	7,142.8	691.3	-198.0	-688.8	0.00	0.00	0.00
7,188.0	7.11	344.02	7,143.8	691.5	-198.1	-688.9	0.00	0.00	0.00
7,189.0	7.11	344.02	7,144.8	691.6	-198.1	-689.0	0.00	0.00	0.00
7,190.0	7.11	344.02	7,145.8	691.7	-198.1	-689.2	0.00	0.00	0.00
7,191.0	7.11	344.02	7,146.7	691.8	-198.2	-689.3	0.00	0.00	0.00
7,192.0	7.11	344.02	7,147.7	691.9	-198.2	-689.4	0.00	0.00	0.00
7,193.0	7.11	344.02	7,148.7	692.1	-198.2	-689.5	0.00	0.00	0.00
7,194.0	7.11	344.02	7,149.7	692.2	-198.3	-689.6	0.00	0.00	0.00
7,195.0	7.11	344.02	7,150.7	692.3	-198.3	-689.7	0.00	0.00	0.00
7,196.0	7.11	344.02	7,151.7	692.4	-198.3	-689.9	0.00	0.00	0.00
7,197.0	7.11	344.02	7,152.7	692.5	-198.4	-690.0	0.00	0.00	0.00
7,198.0	7.11	344.02	7,153.7	692.6	-198.4	-690.1	0.00	0.00	0.00
7,199.0	7.11	344.02	7,154.7	692.8	-198.4	-690.2	0.00	0.00	0.00
7,200.0	7.11	344.02	7,155.7	692.9	-198.5	-690.3	0.00	0.00	0.00
7,201.0	7.11	344.02	7,156.7	693.0	-198.5	-690.5	0.00	0.00	0.00
7,202.0	7.11	344.02	7,157.7	693.1	-198.6	-690.6	0.00	0.00	0.00
7,203.0	7.11	344.02	7,158.7	693.2	-198.6	-690.7	0.00	0.00	0.00
7,204.0	7.11	344.02	7,159.6	693.4	-198.6	-690.8	0.00	0.00	0.00
7,205.0	7.11	344.02	7,160.6	693.5	-198.7	-690.9	0.00	0.00	0.00
7,206.0	7.11	344.02	7,161.6	693.6	-198.7	-691.1	0.00	0.00	0.00
7,207.0	7.11	344.02	7,162.6	693.7	-198.7	-691.2	0.00	0.00	0.00
7,208.0	7.11	344.02	7,163.6	693.8	-198.8	-691.3	0.00	0.00	0.00
7,209.0	7.11	344.02	7,164.6	694.0	-198.8	-691.4	0.00	0.00	0.00
7,210.0	7.11	344.02	7,165.6	694.1	-198.8	-691.5	0.00	0.00	0.00
7,211.0	7.11	344.02	7,166.6	694.2	-198.9	-691.6	0.00	0.00	0.00
7,212.0	7.11	344.02	7,167.6	694.3	-198.9	-691.8	0.00	0.00	0.00
7,213.0	7.11	344.02	7,168.6	694.4	-198.9	-691.9	0.00	0.00	0.00
7,214.0	7.11	344.02	7,169.6	694.6	-199.0	-692.0	0.00	0.00	0.00
7,215.0	7.11	344.02	7,170.6	694.7	-199.0	-692.1	0.00	0.00	0.00
7,216.0	7.11	344.02	7,171.6	694.8	-199.0	-692.2	0.00	0.00	0.00
7,217.0	7.11	344.02	7,172.5	694.9	-199.1	-692.4	0.00	0.00	0.00
7,218.0	7.11	344.02	7,173.5	695.0	-199.1	-692.5	0.00	0.00	0.00
7,219.0	7.11	344.02	7,174.5	695.1	-199.1	-692.6	0.00	0.00	0.00
7,220.0	7.11	344.02	7,175.5	695.3	-199.2	-692.7	0.00	0.00	0.00
7,221.0	7.11	344.02	7,176.5	695.4	-199.2	-692.8	0.00	0.00	0.00
7,222.0	7.11	344.02	7,177.5	695.5	-199.2	-692.9	0.00	0.00	0.00
7,223.0	7.11	344.02	7,178.5	695.6	-199.3	-693.1	0.00	0.00	0.00
7,224.0	7.11	344.02	7,179.5	695.7	-199.3	-693.2	0.00	0.00	0.00
7,225.0	7.11	344.02	7,180.5	695.9	-199.3	-693.3	0.00	0.00	0.00
7,226.0	7.11	344.02	7,181.5	696.0	-199.4	-693.4	0.00	0.00	0.00
7,227.0	7.11	344.02	7,182.5	696.1	-199.4	-693.5	0.00	0.00	0.00
7,228.0	7.11	344.02	7,183.5	696.2	-199.4	-693.7	0.00	0.00	0.00
7,229.0	7.11	344.02	7,184.5	696.3	-199.5	-693.8	0.00	0.00	0.00
7,230.0	7.11	344.02	7,185.4	696.5	-199.5	-693.9	0.00	0.00	0.00
7,231.0	7.11	344.02	7,186.4	696.6	-199.5	-694.0	0.00	0.00	0.00
7,232.0	7.11	344.02	7,187.4	696.7	-199.6	-694.1	0.00	0.00	0.00
7,233.0	7.11	344.02	7,188.4	696.8	-199.6	-694.3	0.00	0.00	0.00
7,234.0	7.11	344.02	7,189.4	696.9	-199.6	-694.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,235.0	7.11	344.02	7,190.4	697.1	-199.7	-694.5	0.00	0.00	0.00
7,236.0	7.11	344.02	7,191.4	697.2	-199.7	-694.6	0.00	0.00	0.00
7,237.0	7.11	344.02	7,192.4	697.3	-199.7	-694.7	0.00	0.00	0.00
7,238.0	7.11	344.02	7,193.4	697.4	-199.8	-694.8	0.00	0.00	0.00
7,239.0	7.11	344.02	7,194.4	697.5	-199.8	-695.0	0.00	0.00	0.00
7,240.0	7.11	344.02	7,195.4	697.6	-199.8	-695.1	0.00	0.00	0.00
7,241.0	7.11	344.02	7,196.4	697.8	-199.9	-695.2	0.00	0.00	0.00
7,242.0	7.11	344.02	7,197.4	697.9	-199.9	-695.3	0.00	0.00	0.00
7,243.0	7.11	344.02	7,198.3	698.0	-199.9	-695.4	0.00	0.00	0.00
7,244.0	7.11	344.02	7,199.3	698.1	-200.0	-695.6	0.00	0.00	0.00
7,245.0	7.11	344.02	7,200.3	698.2	-200.0	-695.7	0.00	0.00	0.00
7,246.0	7.11	344.02	7,201.3	698.4	-200.1	-695.8	0.00	0.00	0.00
7,247.0	7.11	344.02	7,202.3	698.5	-200.1	-695.9	0.00	0.00	0.00
7,248.0	7.11	344.02	7,203.3	698.6	-200.1	-696.0	0.00	0.00	0.00
7,249.0	7.11	344.02	7,204.3	698.7	-200.2	-696.1	0.00	0.00	0.00
7,250.0	7.11	344.02	7,205.3	698.8	-200.2	-696.3	0.00	0.00	0.00
7,251.0	7.11	344.02	7,206.3	699.0	-200.2	-696.4	0.00	0.00	0.00
7,252.0	7.11	344.02	7,207.3	699.1	-200.3	-696.5	0.00	0.00	0.00
7,253.0	7.11	344.02	7,208.3	699.2	-200.3	-696.6	0.00	0.00	0.00
7,254.0	7.11	344.02	7,209.3	699.3	-200.3	-696.7	0.00	0.00	0.00
7,255.0	7.11	344.02	7,210.3	699.4	-200.4	-696.9	0.00	0.00	0.00
7,256.0	7.11	344.02	7,211.2	699.6	-200.4	-697.0	0.00	0.00	0.00
7,257.0	7.11	344.02	7,212.2	699.7	-200.4	-697.1	0.00	0.00	0.00
7,258.0	7.11	344.02	7,213.2	699.8	-200.5	-697.2	0.00	0.00	0.00
7,259.0	7.11	344.02	7,214.2	699.9	-200.5	-697.3	0.00	0.00	0.00
7,260.0	7.11	344.02	7,215.2	700.0	-200.5	-697.5	0.00	0.00	0.00
7,261.0	7.11	344.02	7,216.2	700.1	-200.6	-697.6	0.00	0.00	0.00
7,262.0	7.11	344.02	7,217.2	700.3	-200.6	-697.7	0.00	0.00	0.00
7,263.0	7.11	344.02	7,218.2	700.4	-200.6	-697.8	0.00	0.00	0.00
7,264.0	7.11	344.02	7,219.2	700.5	-200.7	-697.9	0.00	0.00	0.00
7,265.0	7.11	344.02	7,220.2	700.6	-200.7	-698.0	0.00	0.00	0.00
7,266.0	7.11	344.02	7,221.2	700.7	-200.7	-698.2	0.00	0.00	0.00
7,267.0	7.11	344.02	7,222.2	700.9	-200.8	-698.3	0.00	0.00	0.00
7,268.0	7.11	344.02	7,223.2	701.0	-200.8	-698.4	0.00	0.00	0.00
7,269.0	7.11	344.02	7,224.1	701.1	-200.8	-698.5	0.00	0.00	0.00
7,270.0	7.11	344.02	7,225.1	701.2	-200.9	-698.6	0.00	0.00	0.00
7,271.0	7.11	344.02	7,226.1	701.3	-200.9	-698.8	0.00	0.00	0.00
7,272.0	7.11	344.02	7,227.1	701.5	-200.9	-698.9	0.00	0.00	0.00
7,273.0	7.11	344.02	7,228.1	701.6	-201.0	-699.0	0.00	0.00	0.00
7,274.0	7.11	344.02	7,229.1	701.7	-201.0	-699.1	0.00	0.00	0.00
7,275.0	7.11	344.02	7,230.1	701.8	-201.0	-699.2	0.00	0.00	0.00
7,276.0	7.11	344.02	7,231.1	701.9	-201.1	-699.3	0.00	0.00	0.00
7,277.0	7.11	344.02	7,232.1	702.1	-201.1	-699.5	0.00	0.00	0.00
7,278.0	7.11	344.02	7,233.1	702.2	-201.1	-699.6	0.00	0.00	0.00
7,279.0	7.11	344.02	7,234.1	702.3	-201.2	-699.7	0.00	0.00	0.00
7,280.0	7.11	344.02	7,235.1	702.4	-201.2	-699.8	0.00	0.00	0.00
7,281.0	7.11	344.02	7,236.1	702.5	-201.2	-699.9	0.00	0.00	0.00
7,282.0	7.11	344.02	7,237.0	702.6	-201.3	-700.1	0.00	0.00	0.00
7,283.0	7.11	344.02	7,238.0	702.8	-201.3	-700.2	0.00	0.00	0.00
7,284.0	7.11	344.02	7,239.0	702.9	-201.3	-700.3	0.00	0.00	0.00
7,285.0	7.11	344.02	7,240.0	703.0	-201.4	-700.4	0.00	0.00	0.00
7,286.0	7.11	344.02	7,241.0	703.1	-201.4	-700.5	0.00	0.00	0.00
7,287.0	7.11	344.02	7,242.0	703.2	-201.4	-700.7	0.00	0.00	0.00
7,288.0	7.11	344.02	7,243.0	703.4	-201.5	-700.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,289.0	7.11	344.02	7,244.0	703.5	-201.5	-700.9	0.00	0.00	0.00
7,290.0	7.11	344.02	7,245.0	703.6	-201.6	-701.0	0.00	0.00	0.00
7,291.0	7.11	344.02	7,246.0	703.7	-201.6	-701.1	0.00	0.00	0.00
7,292.0	7.11	344.02	7,247.0	703.8	-201.6	-701.2	0.00	0.00	0.00
7,293.0	7.11	344.02	7,248.0	704.0	-201.7	-701.4	0.00	0.00	0.00
7,294.0	7.11	344.02	7,249.0	704.1	-201.7	-701.5	0.00	0.00	0.00
7,295.0	7.11	344.02	7,249.9	704.2	-201.7	-701.6	0.00	0.00	0.00
7,296.0	7.11	344.02	7,250.9	704.3	-201.8	-701.7	0.00	0.00	0.00
7,297.0	7.11	344.02	7,251.9	704.4	-201.8	-701.8	0.00	0.00	0.00
7,298.0	7.11	344.02	7,252.9	704.5	-201.8	-702.0	0.00	0.00	0.00
7,299.0	7.11	344.02	7,253.9	704.7	-201.9	-702.1	0.00	0.00	0.00
7,300.0	7.11	344.02	7,254.9	704.8	-201.9	-702.2	0.00	0.00	0.00
7,301.0	7.11	344.02	7,255.9	704.9	-201.9	-702.3	0.00	0.00	0.00
7,302.0	7.11	344.02	7,256.9	705.0	-202.0	-702.4	0.00	0.00	0.00
7,303.0	7.11	344.02	7,257.9	705.1	-202.0	-702.6	0.00	0.00	0.00
7,304.0	7.11	344.02	7,258.9	705.3	-202.0	-702.7	0.00	0.00	0.00
7,305.0	7.11	344.02	7,259.9	705.4	-202.1	-702.8	0.00	0.00	0.00
7,306.0	7.11	344.02	7,260.9	705.5	-202.1	-702.9	0.00	0.00	0.00
7,307.0	7.11	344.02	7,261.9	705.6	-202.1	-703.0	0.00	0.00	0.00
7,308.0	7.11	344.02	7,262.8	705.7	-202.2	-703.1	0.00	0.00	0.00
7,309.0	7.11	344.02	7,263.8	705.9	-202.2	-703.3	0.00	0.00	0.00
7,310.0	7.11	344.02	7,264.8	706.0	-202.2	-703.4	0.00	0.00	0.00
7,311.0	7.11	344.02	7,265.8	706.1	-202.3	-703.5	0.00	0.00	0.00
7,312.0	7.11	344.02	7,266.8	706.2	-202.3	-703.6	0.00	0.00	0.00
7,313.0	7.11	344.02	7,267.8	706.3	-202.3	-703.7	0.00	0.00	0.00
7,314.0	7.11	344.02	7,268.8	706.5	-202.4	-703.9	0.00	0.00	0.00
7,315.0	7.11	344.02	7,269.8	706.6	-202.4	-704.0	0.00	0.00	0.00
7,316.0	7.11	344.02	7,270.8	706.7	-202.4	-704.1	0.00	0.00	0.00
7,317.0	7.11	344.02	7,271.8	706.8	-202.5	-704.2	0.00	0.00	0.00
7,318.0	7.11	344.02	7,272.8	706.9	-202.5	-704.3	0.00	0.00	0.00
7,319.0	7.11	344.02	7,273.8	707.0	-202.5	-704.4	0.00	0.00	0.00
7,320.0	7.11	344.02	7,274.8	707.2	-202.6	-704.6	0.00	0.00	0.00
7,321.0	7.11	344.02	7,275.7	707.3	-202.6	-704.7	0.00	0.00	0.00
7,322.0	7.11	344.02	7,276.7	707.4	-202.6	-704.8	0.00	0.00	0.00
7,323.0	7.11	344.02	7,277.7	707.5	-202.7	-704.9	0.00	0.00	0.00
7,324.0	7.11	344.02	7,278.7	707.6	-202.7	-705.0	0.00	0.00	0.00
7,325.0	7.11	344.02	7,279.7	707.8	-202.7	-705.2	0.00	0.00	0.00
7,326.0	7.11	344.02	7,280.7	707.9	-202.8	-705.3	0.00	0.00	0.00
7,327.0	7.11	344.02	7,281.7	708.0	-202.8	-705.4	0.00	0.00	0.00
7,328.0	7.11	344.02	7,282.7	708.1	-202.8	-705.5	0.00	0.00	0.00
7,329.0	7.11	344.02	7,283.7	708.2	-202.9	-705.6	0.00	0.00	0.00
7,330.0	7.11	344.02	7,284.7	708.4	-202.9	-705.8	0.00	0.00	0.00
7,331.0	7.11	344.02	7,285.7	708.5	-202.9	-705.9	0.00	0.00	0.00
7,332.0	7.11	344.02	7,286.7	708.6	-203.0	-706.0	0.00	0.00	0.00
7,333.0	7.11	344.02	7,287.7	708.7	-203.0	-706.1	0.00	0.00	0.00
7,334.0	7.11	344.02	7,288.6	708.8	-203.1	-706.2	0.00	0.00	0.00
7,335.0	7.11	344.02	7,289.6	709.0	-203.1	-706.3	0.00	0.00	0.00
7,336.0	7.11	344.02	7,290.6	709.1	-203.1	-706.5	0.00	0.00	0.00
7,337.0	7.11	344.02	7,291.6	709.2	-203.2	-706.6	0.00	0.00	0.00
7,338.0	7.11	344.02	7,292.6	709.3	-203.2	-706.7	0.00	0.00	0.00
7,339.0	7.11	344.02	7,293.6	709.4	-203.2	-706.8	0.00	0.00	0.00
7,340.0	7.11	344.02	7,294.6	709.5	-203.3	-706.9	0.00	0.00	0.00
7,341.0	7.11	344.02	7,295.6	709.7	-203.3	-707.1	0.00	0.00	0.00
7,342.0	7.11	344.02	7,296.6	709.8	-203.3	-707.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,343.0	7.11	344.02	7,297.6	709.9	-203.4	-707.3	0.00	0.00	0.00
7,344.0	7.11	344.02	7,298.6	710.0	-203.4	-707.4	0.00	0.00	0.00
7,345.0	7.11	344.02	7,299.6	710.1	-203.4	-707.5	0.00	0.00	0.00
7,346.0	7.11	344.02	7,300.6	710.3	-203.5	-707.6	0.00	0.00	0.00
7,347.0	7.11	344.02	7,301.5	710.4	-203.5	-707.8	0.00	0.00	0.00
7,348.0	7.11	344.02	7,302.5	710.5	-203.5	-707.9	0.00	0.00	0.00
7,349.0	7.11	344.02	7,303.5	710.6	-203.6	-708.0	0.00	0.00	0.00
7,350.0	7.11	344.02	7,304.5	710.7	-203.6	-708.1	0.00	0.00	0.00
7,351.0	7.11	344.02	7,305.5	710.9	-203.6	-708.2	0.00	0.00	0.00
7,352.0	7.11	344.02	7,306.5	711.0	-203.7	-708.4	0.00	0.00	0.00
7,353.0	7.11	344.02	7,307.5	711.1	-203.7	-708.5	0.00	0.00	0.00
7,354.0	7.11	344.02	7,308.5	711.2	-203.7	-708.6	0.00	0.00	0.00
7,355.0	7.11	344.02	7,309.5	711.3	-203.8	-708.7	0.00	0.00	0.00
7,356.0	7.11	344.02	7,310.5	711.5	-203.8	-708.8	0.00	0.00	0.00
7,357.0	7.11	344.02	7,311.5	711.6	-203.8	-709.0	0.00	0.00	0.00
7,358.0	7.11	344.02	7,312.5	711.7	-203.9	-709.1	0.00	0.00	0.00
7,359.0	7.11	344.02	7,313.5	711.8	-203.9	-709.2	0.00	0.00	0.00
7,360.0	7.11	344.02	7,314.4	711.9	-203.9	-709.3	0.00	0.00	0.00
7,361.0	7.11	344.02	7,315.4	712.0	-204.0	-709.4	0.00	0.00	0.00
7,362.0	7.11	344.02	7,316.4	712.2	-204.0	-709.5	0.00	0.00	0.00
7,363.0	7.11	344.02	7,317.4	712.3	-204.0	-709.7	0.00	0.00	0.00
7,364.0	7.11	344.02	7,318.4	712.4	-204.1	-709.8	0.00	0.00	0.00
7,365.0	7.11	344.02	7,319.4	712.5	-204.1	-709.9	0.00	0.00	0.00
7,366.0	7.11	344.02	7,320.4	712.6	-204.1	-710.0	0.00	0.00	0.00
7,367.0	7.11	344.02	7,321.4	712.8	-204.2	-710.1	0.00	0.00	0.00
7,368.0	7.11	344.02	7,322.4	712.9	-204.2	-710.3	0.00	0.00	0.00
7,369.0	7.11	344.02	7,323.4	713.0	-204.2	-710.4	0.00	0.00	0.00
7,370.0	7.11	344.02	7,324.4	713.1	-204.3	-710.5	0.00	0.00	0.00
7,371.0	7.11	344.02	7,325.4	713.2	-204.3	-710.6	0.00	0.00	0.00
7,372.0	7.11	344.02	7,326.4	713.4	-204.3	-710.7	0.00	0.00	0.00
7,373.0	7.11	344.02	7,327.3	713.5	-204.4	-710.9	0.00	0.00	0.00
7,374.0	7.11	344.02	7,328.3	713.6	-204.4	-711.0	0.00	0.00	0.00
7,375.0	7.11	344.02	7,329.3	713.7	-204.4	-711.1	0.00	0.00	0.00
7,376.0	7.11	344.02	7,330.3	713.8	-204.5	-711.2	0.00	0.00	0.00
7,377.0	7.11	344.02	7,331.3	714.0	-204.5	-711.3	0.00	0.00	0.00
7,378.0	7.11	344.02	7,332.3	714.1	-204.6	-711.4	0.00	0.00	0.00
7,379.0	7.11	344.02	7,333.3	714.2	-204.6	-711.6	0.00	0.00	0.00
7,380.0	7.11	344.02	7,334.3	714.3	-204.6	-711.7	0.00	0.00	0.00
7,381.0	7.11	344.02	7,335.3	714.4	-204.7	-711.8	0.00	0.00	0.00
7,382.0	7.11	344.02	7,336.3	714.5	-204.7	-711.9	0.00	0.00	0.00
7,383.0	7.11	344.02	7,337.3	714.7	-204.7	-712.0	0.00	0.00	0.00
7,384.0	7.11	344.02	7,338.3	714.8	-204.8	-712.2	0.00	0.00	0.00
7,385.0	7.11	344.02	7,339.3	714.9	-204.8	-712.3	0.00	0.00	0.00
7,386.0	7.11	344.02	7,340.2	715.0	-204.8	-712.4	0.00	0.00	0.00
7,387.0	7.11	344.02	7,341.2	715.1	-204.9	-712.5	0.00	0.00	0.00
7,388.0	7.11	344.02	7,342.2	715.3	-204.9	-712.6	0.00	0.00	0.00
7,389.0	7.11	344.02	7,343.2	715.4	-204.9	-712.7	0.00	0.00	0.00
7,390.0	7.11	344.02	7,344.2	715.5	-205.0	-712.9	0.00	0.00	0.00
7,391.0	7.11	344.02	7,345.2	715.6	-205.0	-713.0	0.00	0.00	0.00
7,392.0	7.11	344.02	7,346.2	715.7	-205.0	-713.1	0.00	0.00	0.00
7,393.0	7.11	344.02	7,347.2	715.9	-205.1	-713.2	0.00	0.00	0.00
7,394.0	7.11	344.02	7,348.2	716.0	-205.1	-713.3	0.00	0.00	0.00
7,395.0	7.11	344.02	7,349.2	716.1	-205.1	-713.5	0.00	0.00	0.00
7,396.0	7.11	344.02	7,350.2	716.2	-205.2	-713.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,397.0	7.11	344.02	7,351.2	716.3	-205.2	-713.7	0.00	0.00	0.00
7,398.0	7.11	344.02	7,352.2	716.5	-205.2	-713.8	0.00	0.00	0.00
7,399.0	7.11	344.02	7,353.1	716.6	-205.3	-713.9	0.00	0.00	0.00
7,400.0	7.11	344.02	7,354.1	716.7	-205.3	-714.1	0.00	0.00	0.00
7,401.0	7.11	344.02	7,355.1	716.8	-205.3	-714.2	0.00	0.00	0.00
7,402.0	7.11	344.02	7,356.1	716.9	-205.4	-714.3	0.00	0.00	0.00
7,403.0	7.11	344.02	7,357.1	717.0	-205.4	-714.4	0.00	0.00	0.00
7,404.0	7.11	344.02	7,358.1	717.2	-205.4	-714.5	0.00	0.00	0.00
7,405.0	7.11	344.02	7,359.1	717.3	-205.5	-714.6	0.00	0.00	0.00
7,406.0	7.11	344.02	7,360.1	717.4	-205.5	-714.8	0.00	0.00	0.00
7,407.0	7.11	344.02	7,361.1	717.5	-205.5	-714.9	0.00	0.00	0.00
7,408.0	7.11	344.02	7,362.1	717.6	-205.6	-715.0	0.00	0.00	0.00
7,409.0	7.11	344.02	7,363.1	717.8	-205.6	-715.1	0.00	0.00	0.00
7,410.0	7.11	344.02	7,364.1	717.9	-205.6	-715.2	0.00	0.00	0.00
7,411.0	7.11	344.02	7,365.1	718.0	-205.7	-715.4	0.00	0.00	0.00
7,412.0	7.11	344.02	7,366.0	718.1	-205.7	-715.5	0.00	0.00	0.00
7,413.0	7.11	344.02	7,367.0	718.2	-205.7	-715.6	0.00	0.00	0.00
7,414.0	7.11	344.02	7,368.0	718.4	-205.8	-715.7	0.00	0.00	0.00
7,415.0	7.11	344.02	7,369.0	718.5	-205.8	-715.8	0.00	0.00	0.00
7,416.0	7.11	344.02	7,370.0	718.6	-205.8	-715.9	0.00	0.00	0.00
7,417.0	7.11	344.02	7,371.0	718.7	-205.9	-716.1	0.00	0.00	0.00
7,418.0	7.11	344.02	7,372.0	718.8	-205.9	-716.2	0.00	0.00	0.00
7,419.0	7.11	344.02	7,373.0	718.9	-205.9	-716.3	0.00	0.00	0.00
7,420.0	7.11	344.02	7,374.0	719.1	-206.0	-716.4	0.00	0.00	0.00
7,421.0	7.11	344.02	7,375.0	719.2	-206.0	-716.5	0.00	0.00	0.00
7,422.0	7.11	344.02	7,376.0	719.3	-206.1	-716.7	0.00	0.00	0.00
7,423.0	7.11	344.02	7,377.0	719.4	-206.1	-716.8	0.00	0.00	0.00
7,424.0	7.11	344.02	7,378.0	719.5	-206.1	-716.9	0.00	0.00	0.00
7,425.0	7.11	344.02	7,378.9	719.7	-206.2	-717.0	0.00	0.00	0.00
7,426.0	7.11	344.02	7,379.9	719.8	-206.2	-717.1	0.00	0.00	0.00
7,427.0	7.11	344.02	7,380.9	719.9	-206.2	-717.3	0.00	0.00	0.00
7,428.0	7.11	344.02	7,381.9	720.0	-206.3	-717.4	0.00	0.00	0.00
7,429.0	7.11	344.02	7,382.9	720.1	-206.3	-717.5	0.00	0.00	0.00
7,430.0	7.11	344.02	7,383.9	720.3	-206.3	-717.6	0.00	0.00	0.00
7,431.0	7.11	344.02	7,384.9	720.4	-206.4	-717.7	0.00	0.00	0.00
7,432.0	7.11	344.02	7,385.9	720.5	-206.4	-717.8	0.00	0.00	0.00
7,433.0	7.11	344.02	7,386.9	720.6	-206.4	-718.0	0.00	0.00	0.00
7,434.0	7.11	344.02	7,387.9	720.7	-206.5	-718.1	0.00	0.00	0.00
7,435.0	7.11	344.02	7,388.9	720.9	-206.5	-718.2	0.00	0.00	0.00
7,436.0	7.11	344.02	7,389.9	721.0	-206.5	-718.3	0.00	0.00	0.00
7,437.0	7.11	344.02	7,390.9	721.1	-206.6	-718.4	0.00	0.00	0.00
7,438.0	7.11	344.02	7,391.8	721.2	-206.6	-718.6	0.00	0.00	0.00
7,439.0	7.11	344.02	7,392.8	721.3	-206.6	-718.7	0.00	0.00	0.00
7,440.0	7.11	344.02	7,393.8	721.4	-206.7	-718.8	0.00	0.00	0.00
7,441.0	7.11	344.02	7,394.8	721.6	-206.7	-718.9	0.00	0.00	0.00
7,442.0	7.11	344.02	7,395.8	721.7	-206.7	-719.0	0.00	0.00	0.00
7,443.0	7.11	344.02	7,396.8	721.8	-206.8	-719.2	0.00	0.00	0.00
7,444.0	7.11	344.02	7,397.8	721.9	-206.8	-719.3	0.00	0.00	0.00
7,445.0	7.11	344.02	7,398.8	722.0	-206.8	-719.4	0.00	0.00	0.00
7,446.0	7.11	344.02	7,399.8	722.2	-206.9	-719.5	0.00	0.00	0.00
7,447.0	7.11	344.02	7,400.8	722.3	-206.9	-719.6	0.00	0.00	0.00
7,448.0	7.11	344.02	7,401.8	722.4	-206.9	-719.7	0.00	0.00	0.00
7,449.0	7.11	344.02	7,402.8	722.5	-207.0	-719.9	0.00	0.00	0.00
7,450.0	7.11	344.02	7,403.8	722.6	-207.0	-720.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,451.0	7.11	344.02	7,404.7	722.8	-207.0	-720.1	0.00	0.00	0.00
7,452.0	7.11	344.02	7,405.7	722.9	-207.1	-720.2	0.00	0.00	0.00
7,453.0	7.11	344.02	7,406.7	723.0	-207.1	-720.3	0.00	0.00	0.00
7,454.0	7.11	344.02	7,407.7	723.1	-207.1	-720.5	0.00	0.00	0.00
7,455.0	7.11	344.02	7,408.7	723.2	-207.2	-720.6	0.00	0.00	0.00
7,456.0	7.11	344.02	7,409.7	723.4	-207.2	-720.7	0.00	0.00	0.00
7,457.0	7.11	344.02	7,410.7	723.5	-207.2	-720.8	0.00	0.00	0.00
7,458.0	7.11	344.02	7,411.7	723.6	-207.3	-720.9	0.00	0.00	0.00
7,459.0	7.11	344.02	7,412.7	723.7	-207.3	-721.0	0.00	0.00	0.00
7,460.0	7.11	344.02	7,413.7	723.8	-207.3	-721.2	0.00	0.00	0.00
7,461.0	7.11	344.02	7,414.7	723.9	-207.4	-721.3	0.00	0.00	0.00
7,462.0	7.11	344.02	7,415.7	724.1	-207.4	-721.4	0.00	0.00	0.00
7,463.0	7.11	344.02	7,416.7	724.2	-207.4	-721.5	0.00	0.00	0.00
7,464.0	7.11	344.02	7,417.6	724.3	-207.5	-721.6	0.00	0.00	0.00
7,465.0	7.11	344.02	7,418.6	724.4	-207.5	-721.8	0.00	0.00	0.00
7,466.0	7.11	344.02	7,419.6	724.5	-207.6	-721.9	0.00	0.00	0.00
7,467.0	7.11	344.02	7,420.6	724.7	-207.6	-722.0	0.00	0.00	0.00
7,468.0	7.11	344.02	7,421.6	724.8	-207.6	-722.1	0.00	0.00	0.00
7,469.0	7.11	344.02	7,422.6	724.9	-207.7	-722.2	0.00	0.00	0.00
7,470.0	7.11	344.02	7,423.6	725.0	-207.7	-722.4	0.00	0.00	0.00
7,471.0	7.11	344.02	7,424.6	725.1	-207.7	-722.5	0.00	0.00	0.00
7,472.0	7.11	344.02	7,425.6	725.3	-207.8	-722.6	0.00	0.00	0.00
7,473.0	7.11	344.02	7,426.6	725.4	-207.8	-722.7	0.00	0.00	0.00
7,474.0	7.11	344.02	7,427.6	725.5	-207.8	-722.8	0.00	0.00	0.00
7,475.0	7.11	344.02	7,428.6	725.6	-207.9	-722.9	0.00	0.00	0.00
7,476.0	7.11	344.02	7,429.6	725.7	-207.9	-723.1	0.00	0.00	0.00
7,477.0	7.11	344.02	7,430.5	725.9	-207.9	-723.2	0.00	0.00	0.00
7,478.0	7.11	344.02	7,431.5	726.0	-208.0	-723.3	0.00	0.00	0.00
7,479.0	7.11	344.02	7,432.5	726.1	-208.0	-723.4	0.00	0.00	0.00
7,480.0	7.11	344.02	7,433.5	726.2	-208.0	-723.5	0.00	0.00	0.00
7,481.0	7.11	344.02	7,434.5	726.3	-208.1	-723.7	0.00	0.00	0.00
7,482.0	7.11	344.02	7,435.5	726.4	-208.1	-723.8	0.00	0.00	0.00
7,483.0	7.11	344.02	7,436.5	726.6	-208.1	-723.9	0.00	0.00	0.00
7,484.0	7.11	344.02	7,437.5	726.7	-208.2	-724.0	0.00	0.00	0.00
7,485.0	7.11	344.02	7,438.5	726.8	-208.2	-724.1	0.00	0.00	0.00
7,486.0	7.11	344.02	7,439.5	726.9	-208.2	-724.2	0.00	0.00	0.00
7,487.0	7.11	344.02	7,440.5	727.0	-208.3	-724.4	0.00	0.00	0.00
7,488.0	7.11	344.02	7,441.5	727.2	-208.3	-724.5	0.00	0.00	0.00
7,489.0	7.11	344.02	7,442.5	727.3	-208.3	-724.6	0.00	0.00	0.00
7,490.0	7.11	344.02	7,443.4	727.4	-208.4	-724.7	0.00	0.00	0.00
7,491.0	7.11	344.02	7,444.4	727.5	-208.4	-724.8	0.00	0.00	0.00
7,492.0	7.11	344.02	7,445.4	727.6	-208.4	-725.0	0.00	0.00	0.00
7,493.0	7.11	344.02	7,446.4	727.8	-208.5	-725.1	0.00	0.00	0.00
7,494.0	7.11	344.02	7,447.4	727.9	-208.5	-725.2	0.00	0.00	0.00
7,495.0	7.11	344.02	7,448.4	728.0	-208.5	-725.3	0.00	0.00	0.00
7,496.0	7.11	344.02	7,449.4	728.1	-208.6	-725.4	0.00	0.00	0.00
7,497.0	7.11	344.02	7,450.4	728.2	-208.6	-725.6	0.00	0.00	0.00
7,498.0	7.11	344.02	7,451.4	728.4	-208.6	-725.7	0.00	0.00	0.00
7,499.0	7.11	344.02	7,452.4	728.5	-208.7	-725.8	0.00	0.00	0.00
7,500.0	7.11	344.02	7,453.4	728.6	-208.7	-725.9	0.00	0.00	0.00
7,501.0	7.11	344.02	7,454.4	728.7	-208.7	-726.0	0.00	0.00	0.00
7,502.0	7.11	344.02	7,455.4	728.8	-208.8	-726.1	0.00	0.00	0.00
7,503.0	7.11	344.02	7,456.3	728.9	-208.8	-726.3	0.00	0.00	0.00
7,504.0	7.11	344.02	7,457.3	729.1	-208.8	-726.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,505.0	7.11	344.02	7,458.3	729.2	-208.9	-726.5	0.00	0.00	0.00
7,506.0	7.11	344.02	7,459.3	729.3	-208.9	-726.6	0.00	0.00	0.00
7,507.0	7.11	344.02	7,460.3	729.4	-208.9	-726.7	0.00	0.00	0.00
7,508.0	7.11	344.02	7,461.3	729.5	-209.0	-726.9	0.00	0.00	0.00
7,509.0	7.11	344.02	7,462.3	729.7	-209.0	-727.0	0.00	0.00	0.00
7,510.0	7.11	344.02	7,463.3	729.8	-209.1	-727.1	0.00	0.00	0.00
7,511.0	7.11	344.02	7,464.3	729.9	-209.1	-727.2	0.00	0.00	0.00
7,512.0	7.11	344.02	7,465.3	730.0	-209.1	-727.3	0.00	0.00	0.00
7,513.0	7.11	344.02	7,466.3	730.1	-209.2	-727.4	0.00	0.00	0.00
7,514.0	7.11	344.02	7,467.3	730.3	-209.2	-727.6	0.00	0.00	0.00
7,515.0	7.11	344.02	7,468.3	730.4	-209.2	-727.7	0.00	0.00	0.00
7,516.0	7.11	344.02	7,469.2	730.5	-209.3	-727.8	0.00	0.00	0.00
7,517.0	7.11	344.02	7,470.2	730.6	-209.3	-727.9	0.00	0.00	0.00
7,518.0	7.11	344.02	7,471.2	730.7	-209.3	-728.0	0.00	0.00	0.00
7,519.0	7.11	344.02	7,472.2	730.8	-209.4	-728.2	0.00	0.00	0.00
7,520.0	7.11	344.02	7,473.2	731.0	-209.4	-728.3	0.00	0.00	0.00
7,521.0	7.11	344.02	7,474.2	731.1	-209.4	-728.4	0.00	0.00	0.00
7,522.0	7.11	344.02	7,475.2	731.2	-209.5	-728.5	0.00	0.00	0.00
7,523.0	7.11	344.02	7,476.2	731.3	-209.5	-728.6	0.00	0.00	0.00
7,524.0	7.11	344.02	7,477.2	731.4	-209.5	-728.8	0.00	0.00	0.00
7,525.0	7.11	344.02	7,478.2	731.6	-209.6	-728.9	0.00	0.00	0.00
7,526.0	7.11	344.02	7,479.2	731.7	-209.6	-729.0	0.00	0.00	0.00
7,527.0	7.11	344.02	7,480.2	731.8	-209.6	-729.1	0.00	0.00	0.00
7,528.0	7.11	344.02	7,481.2	731.9	-209.7	-729.2	0.00	0.00	0.00
7,529.0	7.11	344.02	7,482.1	732.0	-209.7	-729.3	0.00	0.00	0.00
7,530.0	7.11	344.02	7,483.1	732.2	-209.7	-729.5	0.00	0.00	0.00
7,531.0	7.11	344.02	7,484.1	732.3	-209.8	-729.6	0.00	0.00	0.00
7,532.0	7.11	344.02	7,485.1	732.4	-209.8	-729.7	0.00	0.00	0.00
7,533.0	7.11	344.02	7,486.1	732.5	-209.8	-729.8	0.00	0.00	0.00
7,534.0	7.11	344.02	7,487.1	732.6	-209.9	-729.9	0.00	0.00	0.00
7,535.0	7.11	344.02	7,488.1	732.8	-209.9	-730.1	0.00	0.00	0.00
7,536.0	7.11	344.02	7,489.1	732.9	-209.9	-730.2	0.00	0.00	0.00
7,537.0	7.11	344.02	7,490.1	733.0	-210.0	-730.3	0.00	0.00	0.00
7,538.0	7.11	344.02	7,491.1	733.1	-210.0	-730.4	0.00	0.00	0.00
7,539.0	7.11	344.02	7,492.1	733.2	-210.0	-730.5	0.00	0.00	0.00
7,540.0	7.11	344.02	7,493.1	733.3	-210.1	-730.7	0.00	0.00	0.00
7,541.0	7.11	344.02	7,494.1	733.5	-210.1	-730.8	0.00	0.00	0.00
7,542.0	7.11	344.02	7,495.0	733.6	-210.1	-730.9	0.00	0.00	0.00
7,543.0	7.11	344.02	7,496.0	733.7	-210.2	-731.0	0.00	0.00	0.00
7,544.0	7.11	344.02	7,497.0	733.8	-210.2	-731.1	0.00	0.00	0.00
7,545.0	7.11	344.02	7,498.0	733.9	-210.2	-731.2	0.00	0.00	0.00
7,546.0	7.11	344.02	7,499.0	734.1	-210.3	-731.4	0.00	0.00	0.00
7,547.0	7.11	344.02	7,500.0	734.2	-210.3	-731.5	0.00	0.00	0.00
7,548.0	7.11	344.02	7,501.0	734.3	-210.3	-731.6	0.00	0.00	0.00
7,549.0	7.11	344.02	7,502.0	734.4	-210.4	-731.7	0.00	0.00	0.00
7,550.0	7.11	344.02	7,503.0	734.5	-210.4	-731.8	0.00	0.00	0.00
7,551.0	7.11	344.02	7,504.0	734.7	-210.4	-732.0	0.00	0.00	0.00
7,552.0	7.11	344.02	7,505.0	734.8	-210.5	-732.1	0.00	0.00	0.00
7,553.0	7.11	344.02	7,506.0	734.9	-210.5	-732.2	0.00	0.00	0.00
7,554.0	7.11	344.02	7,507.0	735.0	-210.6	-732.3	0.00	0.00	0.00
7,555.0	7.11	344.02	7,507.9	735.1	-210.6	-732.4	0.00	0.00	0.00
7,556.0	7.11	344.02	7,508.9	735.3	-210.6	-732.5	0.00	0.00	0.00
7,557.0	7.11	344.02	7,509.9	735.4	-210.7	-732.7	0.00	0.00	0.00
7,558.0	7.11	344.02	7,510.9	735.5	-210.7	-732.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,559.0	7.11	344.02	7,511.9	735.6	-210.7	-732.9	0.00	0.00	0.00
7,560.0	7.11	344.02	7,512.9	735.7	-210.8	-733.0	0.00	0.00	0.00
7,561.0	7.11	344.02	7,513.9	735.8	-210.8	-733.1	0.00	0.00	0.00
7,562.0	7.11	344.02	7,514.9	736.0	-210.8	-733.3	0.00	0.00	0.00
7,563.0	7.11	344.02	7,515.9	736.1	-210.9	-733.4	0.00	0.00	0.00
7,564.0	7.11	344.02	7,516.9	736.2	-210.9	-733.5	0.00	0.00	0.00
7,565.0	7.11	344.02	7,517.9	736.3	-210.9	-733.6	0.00	0.00	0.00
7,566.0	7.11	344.02	7,518.9	736.4	-211.0	-733.7	0.00	0.00	0.00
7,567.0	7.11	344.02	7,519.9	736.6	-211.0	-733.9	0.00	0.00	0.00
7,568.0	7.11	344.02	7,520.8	736.7	-211.0	-734.0	0.00	0.00	0.00
7,569.0	7.11	344.02	7,521.8	736.8	-211.1	-734.1	0.00	0.00	0.00
7,570.0	7.11	344.02	7,522.8	736.9	-211.1	-734.2	0.00	0.00	0.00
7,571.0	7.11	344.02	7,523.8	737.0	-211.1	-734.3	0.00	0.00	0.00
7,572.0	7.11	344.02	7,524.8	737.2	-211.2	-734.4	0.00	0.00	0.00
7,573.0	7.11	344.02	7,525.8	737.3	-211.2	-734.6	0.00	0.00	0.00
7,574.0	7.11	344.02	7,526.8	737.4	-211.2	-734.7	0.00	0.00	0.00
7,575.0	7.11	344.02	7,527.8	737.5	-211.3	-734.8	0.00	0.00	0.00
7,576.0	7.11	344.02	7,528.8	737.6	-211.3	-734.9	0.00	0.00	0.00
7,577.0	7.11	344.02	7,529.8	737.8	-211.3	-735.0	0.00	0.00	0.00
7,578.0	7.11	344.02	7,530.8	737.9	-211.4	-735.2	0.00	0.00	0.00
7,579.0	7.11	344.02	7,531.8	738.0	-211.4	-735.3	0.00	0.00	0.00
7,580.0	7.11	344.02	7,532.8	738.1	-211.4	-735.4	0.00	0.00	0.00
7,581.0	7.11	344.02	7,533.7	738.2	-211.5	-735.5	0.00	0.00	0.00
7,582.0	7.11	344.02	7,534.7	738.3	-211.5	-735.6	0.00	0.00	0.00
7,583.0	7.11	344.02	7,535.7	738.5	-211.5	-735.7	0.00	0.00	0.00
7,584.0	7.11	344.02	7,536.7	738.6	-211.6	-735.9	0.00	0.00	0.00
7,585.0	7.11	344.02	7,537.7	738.7	-211.6	-736.0	0.00	0.00	0.00
7,586.0	7.11	344.02	7,538.7	738.8	-211.6	-736.1	0.00	0.00	0.00
7,587.0	7.11	344.02	7,539.7	738.9	-211.7	-736.2	0.00	0.00	0.00
7,588.0	7.11	344.02	7,540.7	739.1	-211.7	-736.3	0.00	0.00	0.00
7,589.0	7.11	344.02	7,541.7	739.2	-211.7	-736.5	0.00	0.00	0.00
7,590.0	7.11	344.02	7,542.7	739.3	-211.8	-736.6	0.00	0.00	0.00
7,591.0	7.11	344.02	7,543.7	739.4	-211.8	-736.7	0.00	0.00	0.00
7,592.0	7.11	344.02	7,544.7	739.5	-211.8	-736.8	0.00	0.00	0.00
7,593.0	7.11	344.02	7,545.7	739.7	-211.9	-736.9	0.00	0.00	0.00
7,594.0	7.11	344.02	7,546.6	739.8	-211.9	-737.1	0.00	0.00	0.00
7,595.0	7.11	344.02	7,547.6	739.9	-211.9	-737.2	0.00	0.00	0.00
7,596.0	7.11	344.02	7,548.6	740.0	-212.0	-737.3	0.00	0.00	0.00
7,597.0	7.11	344.02	7,549.6	740.1	-212.0	-737.4	0.00	0.00	0.00
7,598.0	7.11	344.02	7,550.6	740.3	-212.1	-737.5	0.00	0.00	0.00
7,599.0	7.11	344.02	7,551.6	740.4	-212.1	-737.6	0.00	0.00	0.00
7,600.0	7.11	344.02	7,552.6	740.5	-212.1	-737.8	0.00	0.00	0.00
7,601.0	7.11	344.02	7,553.6	740.6	-212.2	-737.9	0.00	0.00	0.00
7,602.0	7.11	344.02	7,554.6	740.7	-212.2	-738.0	0.00	0.00	0.00
7,603.0	7.11	344.02	7,555.6	740.8	-212.2	-738.1	0.00	0.00	0.00
7,604.0	7.11	344.02	7,556.6	741.0	-212.3	-738.2	0.00	0.00	0.00
7,605.0	7.11	344.02	7,557.6	741.1	-212.3	-738.4	0.00	0.00	0.00
7,606.0	7.11	344.02	7,558.6	741.2	-212.3	-738.5	0.00	0.00	0.00
7,607.0	7.11	344.02	7,559.5	741.3	-212.4	-738.6	0.00	0.00	0.00
7,608.0	7.11	344.02	7,560.5	741.4	-212.4	-738.7	0.00	0.00	0.00
7,609.0	7.11	344.02	7,561.5	741.6	-212.4	-738.8	0.00	0.00	0.00
7,610.0	7.11	344.02	7,562.5	741.7	-212.5	-739.0	0.00	0.00	0.00
7,611.0	7.11	344.02	7,563.5	741.8	-212.5	-739.1	0.00	0.00	0.00
7,612.0	7.11	344.02	7,564.5	741.9	-212.5	-739.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,613.0	7.11	344.02	7,565.5	742.0	-212.6	-739.3	0.00	0.00	0.00
7,614.0	7.11	344.02	7,566.5	742.2	-212.6	-739.4	0.00	0.00	0.00
7,615.0	7.11	344.02	7,567.5	742.3	-212.6	-739.5	0.00	0.00	0.00
7,616.0	7.11	344.02	7,568.5	742.4	-212.7	-739.7	0.00	0.00	0.00
7,617.0	7.11	344.02	7,569.5	742.5	-212.7	-739.8	0.00	0.00	0.00
7,618.0	7.11	344.02	7,570.5	742.6	-212.7	-739.9	0.00	0.00	0.00
7,619.0	7.11	344.02	7,571.5	742.7	-212.8	-740.0	0.00	0.00	0.00
7,620.0	7.11	344.02	7,572.4	742.9	-212.8	-740.1	0.00	0.00	0.00
7,621.0	7.11	344.02	7,573.4	743.0	-212.8	-740.3	0.00	0.00	0.00
7,622.0	7.11	344.02	7,574.4	743.1	-212.9	-740.4	0.00	0.00	0.00
7,623.0	7.11	344.02	7,575.4	743.2	-212.9	-740.5	0.00	0.00	0.00
7,624.0	7.11	344.02	7,576.4	743.3	-212.9	-740.6	0.00	0.00	0.00
7,625.0	7.11	344.02	7,577.4	743.5	-213.0	-740.7	0.00	0.00	0.00
7,626.0	7.11	344.02	7,578.4	743.6	-213.0	-740.8	0.00	0.00	0.00
7,627.0	7.11	344.02	7,579.4	743.7	-213.0	-741.0	0.00	0.00	0.00
7,628.0	7.11	344.02	7,580.4	743.8	-213.1	-741.1	0.00	0.00	0.00
7,629.0	7.11	344.02	7,581.4	743.9	-213.1	-741.2	0.00	0.00	0.00
7,630.0	7.11	344.02	7,582.4	744.1	-213.1	-741.3	0.00	0.00	0.00
7,631.0	7.11	344.02	7,583.4	744.2	-213.2	-741.4	0.00	0.00	0.00
7,632.0	7.11	344.02	7,584.4	744.3	-213.2	-741.6	0.00	0.00	0.00
7,633.0	7.11	344.02	7,585.3	744.4	-213.2	-741.7	0.00	0.00	0.00
7,634.0	7.11	344.02	7,586.3	744.5	-213.3	-741.8	0.00	0.00	0.00
7,635.0	7.11	344.02	7,587.3	744.7	-213.3	-741.9	0.00	0.00	0.00
7,636.0	7.11	344.02	7,588.3	744.8	-213.3	-742.0	0.00	0.00	0.00
7,637.0	7.11	344.02	7,589.3	744.9	-213.4	-742.2	0.00	0.00	0.00
7,638.0	7.11	344.02	7,590.3	745.0	-213.4	-742.3	0.00	0.00	0.00
7,639.0	7.11	344.02	7,591.3	745.1	-213.4	-742.4	0.00	0.00	0.00
7,640.0	7.11	344.02	7,592.3	745.2	-213.5	-742.5	0.00	0.00	0.00
7,641.0	7.11	344.02	7,593.3	745.4	-213.5	-742.6	0.00	0.00	0.00
7,642.0	7.11	344.02	7,594.3	745.5	-213.6	-742.7	0.00	0.00	0.00
7,643.0	7.11	344.02	7,595.3	745.6	-213.6	-742.9	0.00	0.00	0.00
7,644.0	7.11	344.02	7,596.3	745.7	-213.6	-743.0	0.00	0.00	0.00
7,645.0	7.11	344.02	7,597.3	745.8	-213.7	-743.1	0.00	0.00	0.00
7,646.0	7.11	344.02	7,598.2	746.0	-213.7	-743.2	0.00	0.00	0.00
7,647.0	7.11	344.02	7,599.2	746.1	-213.7	-743.3	0.00	0.00	0.00
7,648.0	7.11	344.02	7,600.2	746.2	-213.8	-743.5	0.00	0.00	0.00
7,649.0	7.11	344.02	7,601.2	746.3	-213.8	-743.6	0.00	0.00	0.00
7,650.0	7.11	344.02	7,602.2	746.4	-213.8	-743.7	0.00	0.00	0.00
7,651.0	7.11	344.02	7,603.2	746.6	-213.9	-743.8	0.00	0.00	0.00
7,652.0	7.11	344.02	7,604.2	746.7	-213.9	-743.9	0.00	0.00	0.00
7,653.0	7.11	344.02	7,605.2	746.8	-213.9	-744.0	0.00	0.00	0.00
7,653.2	7.11	344.02	7,605.4	746.8	-213.9	-744.1	0.00	0.00	0.00
7,654.0	7.09	344.02	7,606.2	746.9	-214.0	-744.2	2.00	-2.00	0.00
7,655.0	7.07	344.02	7,607.2	747.0	-214.0	-744.3	2.00	-2.00	0.00
7,656.0	7.05	344.02	7,608.2	747.2	-214.0	-744.4	2.00	-2.00	0.00
7,657.0	7.03	344.02	7,609.2	747.3	-214.1	-744.5	2.00	-2.00	0.00
7,658.0	7.01	344.02	7,610.2	747.4	-214.1	-744.6	2.00	-2.00	0.00
7,659.0	6.99	344.02	7,611.1	747.5	-214.1	-744.8	2.00	-2.00	0.00
7,660.0	6.97	344.02	7,612.1	747.6	-214.2	-744.9	2.00	-2.00	0.00
7,661.0	6.95	344.02	7,613.1	747.7	-214.2	-745.0	2.00	-2.00	0.00
7,662.0	6.93	344.02	7,614.1	747.9	-214.2	-745.1	2.00	-2.00	0.00
7,663.0	6.91	344.02	7,615.1	748.0	-214.3	-745.2	2.00	-2.00	0.00
7,664.0	6.89	344.02	7,616.1	748.1	-214.3	-745.3	2.00	-2.00	0.00
7,665.0	6.87	344.02	7,617.1	748.2	-214.3	-745.4	2.00	-2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,666.0	6.85	344.02	7,618.1	748.3	-214.4	-745.6	2.00	-2.00	0.00
7,667.0	6.83	344.02	7,619.1	748.4	-214.4	-745.7	2.00	-2.00	0.00
7,668.0	6.81	344.02	7,620.1	748.5	-214.4	-745.8	2.00	-2.00	0.00
7,669.0	6.79	344.02	7,621.1	748.7	-214.5	-745.9	2.00	-2.00	0.00
7,670.0	6.77	344.02	7,622.1	748.8	-214.5	-746.0	2.00	-2.00	0.00
7,671.0	6.75	344.02	7,623.1	748.9	-214.5	-746.1	2.00	-2.00	0.00
7,672.0	6.73	344.02	7,624.1	749.0	-214.6	-746.2	2.00	-2.00	0.00
7,673.0	6.71	344.02	7,625.0	749.1	-214.6	-746.4	2.00	-2.00	0.00
7,674.0	6.69	344.02	7,626.0	749.2	-214.6	-746.5	2.00	-2.00	0.00
7,675.0	6.67	344.02	7,627.0	749.3	-214.7	-746.6	2.00	-2.00	0.00
7,676.0	6.65	344.02	7,628.0	749.4	-214.7	-746.7	2.00	-2.00	0.00
7,677.0	6.63	344.02	7,629.0	749.6	-214.7	-746.8	2.00	-2.00	0.00
7,678.0	6.61	344.02	7,630.0	749.7	-214.7	-746.9	2.00	-2.00	0.00
7,679.0	6.59	344.02	7,631.0	749.8	-214.8	-747.0	2.00	-2.00	0.00
7,680.0	6.57	344.02	7,632.0	749.9	-214.8	-747.1	2.00	-2.00	0.00
7,681.0	6.55	344.02	7,633.0	750.0	-214.8	-747.2	2.00	-2.00	0.00
7,682.0	6.53	344.02	7,634.0	750.1	-214.9	-747.3	2.00	-2.00	0.00
7,683.0	6.51	344.02	7,635.0	750.2	-214.9	-747.5	2.00	-2.00	0.00
7,684.0	6.49	344.02	7,636.0	750.3	-214.9	-747.6	2.00	-2.00	0.00
7,685.0	6.47	344.02	7,637.0	750.4	-215.0	-747.7	2.00	-2.00	0.00
7,686.0	6.45	344.02	7,638.0	750.5	-215.0	-747.8	2.00	-2.00	0.00
7,687.0	6.43	344.02	7,639.0	750.7	-215.0	-747.9	2.00	-2.00	0.00
7,688.0	6.41	344.02	7,639.9	750.8	-215.1	-748.0	2.00	-2.00	0.00
7,689.0	6.39	344.02	7,640.9	750.9	-215.1	-748.1	2.00	-2.00	0.00
7,690.0	6.37	344.02	7,641.9	751.0	-215.1	-748.2	2.00	-2.00	0.00
7,691.0	6.35	344.02	7,642.9	751.1	-215.2	-748.3	2.00	-2.00	0.00
7,692.0	6.33	344.02	7,643.9	751.2	-215.2	-748.4	2.00	-2.00	0.00
7,693.0	6.31	344.02	7,644.9	751.3	-215.2	-748.5	2.00	-2.00	0.00
7,694.0	6.29	344.02	7,645.9	751.4	-215.2	-748.6	2.00	-2.00	0.00
7,695.0	6.27	344.02	7,646.9	751.5	-215.3	-748.7	2.00	-2.00	0.00
7,696.0	6.25	344.02	7,647.9	751.6	-215.3	-748.8	2.00	-2.00	0.00
7,697.0	6.23	344.02	7,648.9	751.7	-215.3	-748.9	2.00	-2.00	0.00
7,698.0	6.21	344.02	7,649.9	751.8	-215.4	-749.1	2.00	-2.00	0.00
7,699.0	6.19	344.02	7,650.9	751.9	-215.4	-749.2	2.00	-2.00	0.00
7,700.0	6.17	344.02	7,651.9	752.0	-215.4	-749.3	2.00	-2.00	0.00
7,701.0	6.15	344.02	7,652.9	752.1	-215.5	-749.4	2.00	-2.00	0.00
7,702.0	6.13	344.02	7,653.9	752.2	-215.5	-749.5	2.00	-2.00	0.00
7,703.0	6.11	344.02	7,654.9	752.3	-215.5	-749.6	2.00	-2.00	0.00
7,704.0	6.09	344.02	7,655.9	752.4	-215.5	-749.7	2.00	-2.00	0.00
7,705.0	6.07	344.02	7,656.8	752.5	-215.6	-749.8	2.00	-2.00	0.00
7,706.0	6.05	344.02	7,657.8	752.6	-215.6	-749.9	2.00	-2.00	0.00
7,707.0	6.03	344.02	7,658.8	752.7	-215.6	-750.0	2.00	-2.00	0.00
7,708.0	6.01	344.02	7,659.8	752.8	-215.7	-750.1	2.00	-2.00	0.00
7,709.0	5.99	344.02	7,660.8	752.9	-215.7	-750.2	2.00	-2.00	0.00
7,710.0	5.97	344.02	7,661.8	753.0	-215.7	-750.3	2.00	-2.00	0.00
7,711.0	5.95	344.02	7,662.8	753.1	-215.7	-750.4	2.00	-2.00	0.00
7,712.0	5.93	344.02	7,663.8	753.2	-215.8	-750.5	2.00	-2.00	0.00
7,713.0	5.91	344.02	7,664.8	753.3	-215.8	-750.6	2.00	-2.00	0.00
7,714.0	5.89	344.02	7,665.8	753.4	-215.8	-750.7	2.00	-2.00	0.00
7,715.0	5.87	344.02	7,666.8	753.5	-215.9	-750.8	2.00	-2.00	0.00
7,716.0	5.85	344.02	7,667.8	753.6	-215.9	-750.9	2.00	-2.00	0.00
7,717.0	5.83	344.02	7,668.8	753.7	-215.9	-751.0	2.00	-2.00	0.00
7,718.0	5.81	344.02	7,669.8	753.8	-215.9	-751.1	2.00	-2.00	0.00
7,719.0	5.79	344.02	7,670.8	753.9	-216.0	-751.2	2.00	-2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,720.0	5.77	344.02	7,671.8	754.0	-216.0	-751.3	2.00	-2.00	0.00
7,721.0	5.75	344.02	7,672.8	754.1	-216.0	-751.3	2.00	-2.00	0.00
7,722.0	5.73	344.02	7,673.8	754.2	-216.1	-751.4	2.00	-2.00	0.00
7,723.0	5.71	344.02	7,674.7	754.3	-216.1	-751.5	2.00	-2.00	0.00
7,724.0	5.69	344.02	7,675.7	754.4	-216.1	-751.6	2.00	-2.00	0.00
7,725.0	5.67	344.02	7,676.7	754.5	-216.1	-751.7	2.00	-2.00	0.00
7,726.0	5.65	344.02	7,677.7	754.6	-216.2	-751.8	2.00	-2.00	0.00
7,727.0	5.63	344.02	7,678.7	754.7	-216.2	-751.9	2.00	-2.00	0.00
7,728.0	5.61	344.02	7,679.7	754.8	-216.2	-752.0	2.00	-2.00	0.00
7,729.0	5.59	344.02	7,680.7	754.9	-216.2	-752.1	2.00	-2.00	0.00
7,730.0	5.57	344.02	7,681.7	755.0	-216.3	-752.2	2.00	-2.00	0.00
7,731.0	5.55	344.02	7,682.7	755.1	-216.3	-752.3	2.00	-2.00	0.00
7,732.0	5.53	344.02	7,683.7	755.2	-216.3	-752.4	2.00	-2.00	0.00
7,733.0	5.51	344.02	7,684.7	755.3	-216.3	-752.5	2.00	-2.00	0.00
7,734.0	5.49	344.02	7,685.7	755.3	-216.4	-752.6	2.00	-2.00	0.00
7,735.0	5.47	344.02	7,686.7	755.4	-216.4	-752.7	2.00	-2.00	0.00
7,736.0	5.45	344.02	7,687.7	755.5	-216.4	-752.8	2.00	-2.00	0.00
7,737.0	5.43	344.02	7,688.7	755.6	-216.5	-752.8	2.00	-2.00	0.00
7,738.0	5.41	344.02	7,689.7	755.7	-216.5	-752.9	2.00	-2.00	0.00
7,739.0	5.39	344.02	7,690.7	755.8	-216.5	-753.0	2.00	-2.00	0.00
7,740.0	5.37	344.02	7,691.7	755.9	-216.5	-753.1	2.00	-2.00	0.00
7,741.0	5.35	344.02	7,692.7	756.0	-216.6	-753.2	2.00	-2.00	0.00
7,742.0	5.33	344.02	7,693.7	756.1	-216.6	-753.3	2.00	-2.00	0.00
7,743.0	5.31	344.02	7,694.7	756.2	-216.6	-753.4	2.00	-2.00	0.00
7,744.0	5.29	344.02	7,695.7	756.3	-216.6	-753.5	2.00	-2.00	0.00
7,745.0	5.27	344.02	7,696.6	756.3	-216.7	-753.6	2.00	-2.00	0.00
7,746.0	5.25	344.02	7,697.6	756.4	-216.7	-753.6	2.00	-2.00	0.00
7,747.0	5.23	344.02	7,698.6	756.5	-216.7	-753.7	2.00	-2.00	0.00
7,748.0	5.21	344.02	7,699.6	756.6	-216.7	-753.8	2.00	-2.00	0.00
7,749.0	5.19	344.02	7,700.6	756.7	-216.8	-753.9	2.00	-2.00	0.00
7,750.0	5.17	344.02	7,701.6	756.8	-216.8	-754.0	2.00	-2.00	0.00
7,751.0	5.15	344.02	7,702.6	756.9	-216.8	-754.1	2.00	-2.00	0.00
7,752.0	5.13	344.02	7,703.6	756.9	-216.8	-754.2	2.00	-2.00	0.00
7,753.0	5.11	344.02	7,704.6	757.0	-216.9	-754.3	2.00	-2.00	0.00
7,754.0	5.09	344.02	7,705.6	757.1	-216.9	-754.3	2.00	-2.00	0.00
7,755.0	5.07	344.02	7,706.6	757.2	-216.9	-754.4	2.00	-2.00	0.00
7,756.0	5.05	344.02	7,707.6	757.3	-216.9	-754.5	2.00	-2.00	0.00
7,757.0	5.03	344.02	7,708.6	757.4	-217.0	-754.6	2.00	-2.00	0.00
7,758.0	5.01	344.02	7,709.6	757.5	-217.0	-754.7	2.00	-2.00	0.00
7,759.0	4.99	344.02	7,710.6	757.5	-217.0	-754.8	2.00	-2.00	0.00
7,760.0	4.97	344.02	7,711.6	757.6	-217.0	-754.8	2.00	-2.00	0.00
7,761.0	4.95	344.02	7,712.6	757.7	-217.1	-754.9	2.00	-2.00	0.00
7,762.0	4.93	344.02	7,713.6	757.8	-217.1	-755.0	2.00	-2.00	0.00
7,763.0	4.91	344.02	7,714.6	757.9	-217.1	-755.1	2.00	-2.00	0.00
7,764.0	4.89	344.02	7,715.6	758.0	-217.1	-755.2	2.00	-2.00	0.00
7,765.0	4.87	344.02	7,716.6	758.0	-217.1	-755.3	2.00	-2.00	0.00
7,766.0	4.85	344.02	7,717.6	758.1	-217.2	-755.3	2.00	-2.00	0.00
7,767.0	4.83	344.02	7,718.6	758.2	-217.2	-755.4	2.00	-2.00	0.00
7,768.0	4.81	344.02	7,719.6	758.3	-217.2	-755.5	2.00	-2.00	0.00
7,769.0	4.79	344.02	7,720.6	758.4	-217.2	-755.6	2.00	-2.00	0.00
7,770.0	4.77	344.02	7,721.6	758.4	-217.3	-755.7	2.00	-2.00	0.00
7,771.0	4.75	344.02	7,722.5	758.5	-217.3	-755.7	2.00	-2.00	0.00
7,772.0	4.73	344.02	7,723.5	758.6	-217.3	-755.8	2.00	-2.00	0.00
7,773.0	4.71	344.02	7,724.5	758.7	-217.3	-755.9	2.00	-2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,774.0	4.69	344.02	7,725.5	758.8	-217.4	-756.0	2.00	-2.00	0.00
7,775.0	4.67	344.02	7,726.5	758.8	-217.4	-756.0	2.00	-2.00	0.00
7,776.0	4.65	344.02	7,727.5	758.9	-217.4	-756.1	2.00	-2.00	0.00
7,777.0	4.63	344.02	7,728.5	759.0	-217.4	-756.2	2.00	-2.00	0.00
7,778.0	4.61	344.02	7,729.5	759.1	-217.4	-756.3	2.00	-2.00	0.00
7,779.0	4.59	344.02	7,730.5	759.2	-217.5	-756.4	2.00	-2.00	0.00
7,780.0	4.57	344.02	7,731.5	759.2	-217.5	-756.4	2.00	-2.00	0.00
7,781.0	4.55	344.02	7,732.5	759.3	-217.5	-756.5	2.00	-2.00	0.00
7,782.0	4.53	344.02	7,733.5	759.4	-217.5	-756.6	2.00	-2.00	0.00
7,783.0	4.51	344.02	7,734.5	759.5	-217.6	-756.7	2.00	-2.00	0.00
7,784.0	4.49	344.02	7,735.5	759.5	-217.6	-756.7	2.00	-2.00	0.00
7,785.0	4.47	344.02	7,736.5	759.6	-217.6	-756.8	2.00	-2.00	0.00
7,786.0	4.45	344.02	7,737.5	759.7	-217.6	-756.9	2.00	-2.00	0.00
7,787.0	4.43	344.02	7,738.5	759.8	-217.6	-757.0	2.00	-2.00	0.00
7,788.0	4.41	344.02	7,739.5	759.8	-217.7	-757.0	2.00	-2.00	0.00
7,789.0	4.39	344.02	7,740.5	759.9	-217.7	-757.1	2.00	-2.00	0.00
7,790.0	4.37	344.02	7,741.5	760.0	-217.7	-757.2	2.00	-2.00	0.00
7,791.0	4.35	344.02	7,742.5	760.1	-217.7	-757.3	2.00	-2.00	0.00
7,792.0	4.33	344.02	7,743.5	760.1	-217.7	-757.3	2.00	-2.00	0.00
7,793.0	4.31	344.02	7,744.5	760.2	-217.8	-757.4	2.00	-2.00	0.00
7,794.0	4.29	344.02	7,745.5	760.3	-217.8	-757.5	2.00	-2.00	0.00
7,795.0	4.27	344.02	7,746.5	760.3	-217.8	-757.5	2.00	-2.00	0.00
7,796.0	4.25	344.02	7,747.5	760.4	-217.8	-757.6	2.00	-2.00	0.00
7,797.0	4.23	344.02	7,748.5	760.5	-217.8	-757.7	2.00	-2.00	0.00
7,798.0	4.21	344.02	7,749.5	760.6	-217.9	-757.8	2.00	-2.00	0.00
7,799.0	4.19	344.02	7,750.5	760.6	-217.9	-757.8	2.00	-2.00	0.00
7,800.0	4.17	344.02	7,751.5	760.7	-217.9	-757.9	2.00	-2.00	0.00
7,801.0	4.15	344.02	7,752.5	760.8	-217.9	-758.0	2.00	-2.00	0.00
7,802.0	4.13	344.02	7,753.5	760.8	-217.9	-758.0	2.00	-2.00	0.00
7,803.0	4.11	344.02	7,754.5	760.9	-218.0	-758.1	2.00	-2.00	0.00
7,804.0	4.09	344.02	7,755.5	761.0	-218.0	-758.2	2.00	-2.00	0.00
7,805.0	4.07	344.02	7,756.4	761.0	-218.0	-758.2	2.00	-2.00	0.00
7,806.0	4.05	344.02	7,757.4	761.1	-218.0	-758.3	2.00	-2.00	0.00
7,807.0	4.03	344.02	7,758.4	761.2	-218.0	-758.4	2.00	-2.00	0.00
7,808.0	4.01	344.02	7,759.4	761.2	-218.1	-758.4	2.00	-2.00	0.00
7,809.0	3.99	344.02	7,760.4	761.3	-218.1	-758.5	2.00	-2.00	0.00
7,810.0	3.97	344.02	7,761.4	761.4	-218.1	-758.6	2.00	-2.00	0.00
7,811.0	3.95	344.02	7,762.4	761.4	-218.1	-758.6	2.00	-2.00	0.00
7,812.0	3.93	344.02	7,763.4	761.5	-218.1	-758.7	2.00	-2.00	0.00
7,813.0	3.91	344.02	7,764.4	761.6	-218.2	-758.8	2.00	-2.00	0.00
7,814.0	3.89	344.02	7,765.4	761.6	-218.2	-758.8	2.00	-2.00	0.00
7,815.0	3.87	344.02	7,766.4	761.7	-218.2	-758.9	2.00	-2.00	0.00
7,816.0	3.85	344.02	7,767.4	761.8	-218.2	-759.0	2.00	-2.00	0.00
7,817.0	3.83	344.02	7,768.4	761.8	-218.2	-759.0	2.00	-2.00	0.00
7,818.0	3.81	344.02	7,769.4	761.9	-218.3	-759.1	2.00	-2.00	0.00
7,819.0	3.79	344.02	7,770.4	762.0	-218.3	-759.2	2.00	-2.00	0.00
7,820.0	3.77	344.02	7,771.4	762.0	-218.3	-759.2	2.00	-2.00	0.00
7,821.0	3.75	344.02	7,772.4	762.1	-218.3	-759.3	2.00	-2.00	0.00
7,822.0	3.73	344.02	7,773.4	762.2	-218.3	-759.3	2.00	-2.00	0.00
7,823.0	3.71	344.02	7,774.4	762.2	-218.3	-759.4	2.00	-2.00	0.00
7,824.0	3.69	344.02	7,775.4	762.3	-218.4	-759.5	2.00	-2.00	0.00
7,825.0	3.67	344.02	7,776.4	762.3	-218.4	-759.5	2.00	-2.00	0.00
7,826.0	3.65	344.02	7,777.4	762.4	-218.4	-759.6	2.00	-2.00	0.00
7,827.0	3.63	344.02	7,778.4	762.5	-218.4	-759.7	2.00	-2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,828.0	3.61	344.02	7,779.4	762.5	-218.4	-759.7	2.00	-2.00	0.00
7,829.0	3.59	344.02	7,780.4	762.6	-218.4	-759.8	2.00	-2.00	0.00
7,830.0	3.57	344.02	7,781.4	762.6	-218.5	-759.8	2.00	-2.00	0.00
7,831.0	3.55	344.02	7,782.4	762.7	-218.5	-759.9	2.00	-2.00	0.00
7,832.0	3.53	344.02	7,783.4	762.8	-218.5	-760.0	2.00	-2.00	0.00
7,833.0	3.51	344.02	7,784.4	762.8	-218.5	-760.0	2.00	-2.00	0.00
7,834.0	3.49	344.02	7,785.4	762.9	-218.5	-760.1	2.00	-2.00	0.00
7,835.0	3.47	344.02	7,786.4	762.9	-218.5	-760.1	2.00	-2.00	0.00
7,836.0	3.45	344.02	7,787.4	763.0	-218.6	-760.2	2.00	-2.00	0.00
7,837.0	3.43	344.02	7,788.4	763.1	-218.6	-760.2	2.00	-2.00	0.00
7,838.0	3.41	344.02	7,789.4	763.1	-218.6	-760.3	2.00	-2.00	0.00
7,839.0	3.39	344.02	7,790.4	763.2	-218.6	-760.4	2.00	-2.00	0.00
7,840.0	3.37	344.02	7,791.4	763.2	-218.6	-760.4	2.00	-2.00	0.00
7,841.0	3.35	344.02	7,792.4	763.3	-218.6	-760.5	2.00	-2.00	0.00
7,842.0	3.33	344.02	7,793.4	763.3	-218.7	-760.5	2.00	-2.00	0.00
7,843.0	3.31	344.02	7,794.4	763.4	-218.7	-760.6	2.00	-2.00	0.00
7,844.0	3.29	344.02	7,795.4	763.4	-218.7	-760.6	2.00	-2.00	0.00
7,845.0	3.27	344.02	7,796.4	763.5	-218.7	-760.7	2.00	-2.00	0.00
7,846.0	3.25	344.02	7,797.4	763.6	-218.7	-760.7	2.00	-2.00	0.00
7,847.0	3.23	344.02	7,798.4	763.6	-218.7	-760.8	2.00	-2.00	0.00
7,848.0	3.21	344.02	7,799.4	763.7	-218.8	-760.9	2.00	-2.00	0.00
7,849.0	3.19	344.02	7,800.4	763.7	-218.8	-760.9	2.00	-2.00	0.00
7,850.0	3.17	344.02	7,801.4	763.8	-218.8	-761.0	2.00	-2.00	0.00
7,851.0	3.15	344.02	7,802.4	763.8	-218.8	-761.0	2.00	-2.00	0.00
7,852.0	3.13	344.02	7,803.4	763.9	-218.8	-761.1	2.00	-2.00	0.00
7,853.0	3.11	344.02	7,804.4	763.9	-218.8	-761.1	2.00	-2.00	0.00
7,854.0	3.09	344.02	7,805.4	764.0	-218.8	-761.2	2.00	-2.00	0.00
7,855.0	3.07	344.02	7,806.4	764.0	-218.9	-761.2	2.00	-2.00	0.00
7,856.0	3.05	344.02	7,807.3	764.1	-218.9	-761.3	2.00	-2.00	0.00
7,857.0	3.03	344.02	7,808.3	764.1	-218.9	-761.3	2.00	-2.00	0.00
7,858.0	3.01	344.02	7,809.3	764.2	-218.9	-761.4	2.00	-2.00	0.00
7,859.0	2.99	344.02	7,810.3	764.2	-218.9	-761.4	2.00	-2.00	0.00
7,860.0	2.97	344.02	7,811.3	764.3	-218.9	-761.5	2.00	-2.00	0.00
7,861.0	2.95	344.02	7,812.3	764.3	-219.0	-761.5	2.00	-2.00	0.00
7,862.0	2.93	344.02	7,813.3	764.4	-219.0	-761.6	2.00	-2.00	0.00
7,863.0	2.91	344.02	7,814.3	764.4	-219.0	-761.6	2.00	-2.00	0.00
7,864.0	2.89	344.02	7,815.3	764.5	-219.0	-761.7	2.00	-2.00	0.00
7,865.0	2.87	344.02	7,816.3	764.5	-219.0	-761.7	2.00	-2.00	0.00
7,866.0	2.85	344.02	7,817.3	764.6	-219.0	-761.8	2.00	-2.00	0.00
7,867.0	2.83	344.02	7,818.3	764.6	-219.0	-761.8	2.00	-2.00	0.00
7,868.0	2.81	344.02	7,819.3	764.7	-219.0	-761.9	2.00	-2.00	0.00
7,869.0	2.79	344.02	7,820.3	764.7	-219.1	-761.9	2.00	-2.00	0.00
7,870.0	2.77	344.02	7,821.3	764.8	-219.1	-762.0	2.00	-2.00	0.00
7,871.0	2.75	344.02	7,822.3	764.8	-219.1	-762.0	2.00	-2.00	0.00
7,872.0	2.73	344.02	7,823.3	764.9	-219.1	-762.1	2.00	-2.00	0.00
7,873.0	2.71	344.02	7,824.3	764.9	-219.1	-762.1	2.00	-2.00	0.00
7,874.0	2.69	344.02	7,825.3	765.0	-219.1	-762.1	2.00	-2.00	0.00
7,875.0	2.67	344.02	7,826.3	765.0	-219.1	-762.2	2.00	-2.00	0.00
7,876.0	2.65	344.02	7,827.3	765.0	-219.2	-762.2	2.00	-2.00	0.00
7,877.0	2.63	344.02	7,828.3	765.1	-219.2	-762.3	2.00	-2.00	0.00
7,878.0	2.61	344.02	7,829.3	765.1	-219.2	-762.3	2.00	-2.00	0.00
7,879.0	2.59	344.02	7,830.3	765.2	-219.2	-762.4	2.00	-2.00	0.00
7,880.0	2.57	344.02	7,831.3	765.2	-219.2	-762.4	2.00	-2.00	0.00
7,881.0	2.55	344.02	7,832.3	765.3	-219.2	-762.4	2.00	-2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,882.0	2.53	344.02	7,833.3	765.3	-219.2	-762.5	2.00	-2.00	0.00
7,883.0	2.51	344.02	7,834.3	765.3	-219.2	-762.5	2.00	-2.00	0.00
7,884.0	2.49	344.02	7,835.3	765.4	-219.3	-762.6	2.00	-2.00	0.00
7,885.0	2.47	344.02	7,836.3	765.4	-219.3	-762.6	2.00	-2.00	0.00
7,886.0	2.45	344.02	7,837.3	765.5	-219.3	-762.7	2.00	-2.00	0.00
7,887.0	2.43	344.02	7,838.3	765.5	-219.3	-762.7	2.00	-2.00	0.00
7,888.0	2.41	344.02	7,839.3	765.6	-219.3	-762.7	2.00	-2.00	0.00
7,889.0	2.39	344.02	7,840.3	765.6	-219.3	-762.8	2.00	-2.00	0.00
7,890.0	2.37	344.02	7,841.3	765.6	-219.3	-762.8	2.00	-2.00	0.00
7,891.0	2.35	344.02	7,842.3	765.7	-219.3	-762.9	2.00	-2.00	0.00
7,892.0	2.33	344.02	7,843.3	765.7	-219.3	-762.9	2.00	-2.00	0.00
7,893.0	2.31	344.02	7,844.3	765.8	-219.4	-762.9	2.00	-2.00	0.00
7,894.0	2.29	344.02	7,845.3	765.8	-219.4	-763.0	2.00	-2.00	0.00
7,895.0	2.27	344.02	7,846.3	765.8	-219.4	-763.0	2.00	-2.00	0.00
7,896.0	2.25	344.02	7,847.3	765.9	-219.4	-763.1	2.00	-2.00	0.00
7,897.0	2.23	344.02	7,848.3	765.9	-219.4	-763.1	2.00	-2.00	0.00
7,898.0	2.21	344.02	7,849.3	765.9	-219.4	-763.1	2.00	-2.00	0.00
7,899.0	2.19	344.02	7,850.3	766.0	-219.4	-763.2	2.00	-2.00	0.00
7,900.0	2.17	344.02	7,851.3	766.0	-219.4	-763.2	2.00	-2.00	0.00
7,901.0	2.15	344.02	7,852.3	766.1	-219.4	-763.2	2.00	-2.00	0.00
7,902.0	2.13	344.02	7,853.3	766.1	-219.5	-763.3	2.00	-2.00	0.00
7,903.0	2.11	344.02	7,854.3	766.1	-219.5	-763.3	2.00	-2.00	0.00
7,904.0	2.09	344.02	7,855.3	766.2	-219.5	-763.3	2.00	-2.00	0.00
7,905.0	2.07	344.02	7,856.3	766.2	-219.5	-763.4	2.00	-2.00	0.00
7,906.0	2.05	344.02	7,857.3	766.2	-219.5	-763.4	2.00	-2.00	0.00
7,907.0	2.03	344.02	7,858.3	766.3	-219.5	-763.4	2.00	-2.00	0.00
7,908.0	2.01	344.02	7,859.3	766.3	-219.5	-763.5	2.00	-2.00	0.00
7,909.0	1.99	344.02	7,860.3	766.3	-219.5	-763.5	2.00	-2.00	0.00
7,910.0	1.97	344.02	7,861.3	766.4	-219.5	-763.5	2.00	-2.00	0.00
7,911.0	1.95	344.02	7,862.3	766.4	-219.5	-763.6	2.00	-2.00	0.00
7,912.0	1.93	344.02	7,863.3	766.4	-219.6	-763.6	2.00	-2.00	0.00
7,913.0	1.91	344.02	7,864.3	766.5	-219.6	-763.6	2.00	-2.00	0.00
7,914.0	1.89	344.02	7,865.3	766.5	-219.6	-763.7	2.00	-2.00	0.00
7,915.0	1.87	344.02	7,866.3	766.5	-219.6	-763.7	2.00	-2.00	0.00
7,916.0	1.85	344.02	7,867.3	766.6	-219.6	-763.7	2.00	-2.00	0.00
7,917.0	1.83	344.02	7,868.3	766.6	-219.6	-763.8	2.00	-2.00	0.00
7,918.0	1.81	344.02	7,869.3	766.6	-219.6	-763.8	2.00	-2.00	0.00
7,919.0	1.79	344.02	7,870.3	766.6	-219.6	-763.8	2.00	-2.00	0.00
7,920.0	1.77	344.02	7,871.3	766.7	-219.6	-763.9	2.00	-2.00	0.00
7,921.0	1.75	344.02	7,872.3	766.7	-219.6	-763.9	2.00	-2.00	0.00
7,922.0	1.73	344.02	7,873.3	766.7	-219.6	-763.9	2.00	-2.00	0.00
7,923.0	1.71	344.02	7,874.3	766.8	-219.6	-763.9	2.00	-2.00	0.00
7,924.0	1.69	344.02	7,875.3	766.8	-219.7	-764.0	2.00	-2.00	0.00
7,925.0	1.67	344.02	7,876.3	766.8	-219.7	-764.0	2.00	-2.00	0.00
7,926.0	1.65	344.02	7,877.3	766.9	-219.7	-764.0	2.00	-2.00	0.00
7,927.0	1.63	344.02	7,878.3	766.9	-219.7	-764.1	2.00	-2.00	0.00
7,928.0	1.61	344.02	7,879.3	766.9	-219.7	-764.1	2.00	-2.00	0.00
7,929.0	1.59	344.02	7,880.3	766.9	-219.7	-764.1	2.00	-2.00	0.00
7,930.0	1.57	344.02	7,881.3	767.0	-219.7	-764.1	2.00	-2.00	0.00
7,931.0	1.55	344.02	7,882.3	767.0	-219.7	-764.2	2.00	-2.00	0.00
7,932.0	1.53	344.02	7,883.3	767.0	-219.7	-764.2	2.00	-2.00	0.00
7,933.0	1.51	344.02	7,884.3	767.0	-219.7	-764.2	2.00	-2.00	0.00
7,934.0	1.49	344.02	7,885.3	767.1	-219.7	-764.2	2.00	-2.00	0.00
7,935.0	1.47	344.02	7,886.3	767.1	-219.7	-764.3	2.00	-2.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,936.0	1.45	344.02	7,887.3	767.1	-219.7	-764.3	2.00	-2.00	0.00	
7,937.0	1.43	344.02	7,888.3	767.1	-219.8	-764.3	2.00	-2.00	0.00	
7,938.0	1.41	344.02	7,889.3	767.2	-219.8	-764.3	2.00	-2.00	0.00	
7,939.0	1.39	344.02	7,890.3	767.2	-219.8	-764.4	2.00	-2.00	0.00	
7,940.0	1.37	344.02	7,891.3	767.2	-219.8	-764.4	2.00	-2.00	0.00	
7,941.0	1.35	344.02	7,892.3	767.2	-219.8	-764.4	2.00	-2.00	0.00	
7,942.0	1.33	344.02	7,893.3	767.3	-219.8	-764.4	2.00	-2.00	0.00	
7,943.0	1.31	344.02	7,894.3	767.3	-219.8	-764.5	2.00	-2.00	0.00	
7,944.0	1.29	344.02	7,895.3	767.3	-219.8	-764.5	2.00	-2.00	0.00	
7,945.0	1.27	344.02	7,896.3	767.3	-219.8	-764.5	2.00	-2.00	0.00	
7,946.0	1.25	344.02	7,897.3	767.3	-219.8	-764.5	2.00	-2.00	0.00	
7,947.0	1.23	344.02	7,898.3	767.4	-219.8	-764.5	2.00	-2.00	0.00	
7,948.0	1.21	344.02	7,899.3	767.4	-219.8	-764.6	2.00	-2.00	0.00	
7,949.0	1.19	344.02	7,900.3	767.4	-219.8	-764.6	2.00	-2.00	0.00	
7,950.0	1.17	344.02	7,901.3	767.4	-219.8	-764.6	2.00	-2.00	0.00	
7,951.0	1.15	344.02	7,902.3	767.4	-219.8	-764.6	2.00	-2.00	0.00	
7,952.0	1.13	344.02	7,903.3	767.5	-219.8	-764.6	2.00	-2.00	0.00	
7,953.0	1.11	344.02	7,904.3	767.5	-219.9	-764.7	2.00	-2.00	0.00	
7,954.0	1.09	344.02	7,905.3	767.5	-219.9	-764.7	2.00	-2.00	0.00	
7,955.0	1.07	344.02	7,906.3	767.5	-219.9	-764.7	2.00	-2.00	0.00	
7,956.0	1.05	344.02	7,907.3	767.5	-219.9	-764.7	2.00	-2.00	0.00	
7,957.0	1.03	344.02	7,908.3	767.6	-219.9	-764.7	2.00	-2.00	0.00	
7,958.0	1.01	344.02	7,909.3	767.6	-219.9	-764.7	2.00	-2.00	0.00	
7,959.0	0.99	344.02	7,910.3	767.6	-219.9	-764.8	2.00	-2.00	0.00	
7,960.0	0.97	344.02	7,911.3	767.6	-219.9	-764.8	2.00	-2.00	0.00	
7,961.0	0.95	344.02	7,912.3	767.6	-219.9	-764.8	2.00	-2.00	0.00	
7,962.0	0.93	344.02	7,913.3	767.6	-219.9	-764.8	2.00	-2.00	0.00	
7,963.0	0.91	344.02	7,914.3	767.6	-219.9	-764.8	2.00	-2.00	0.00	
7,964.0	0.89	344.02	7,915.3	767.7	-219.9	-764.8	2.00	-2.00	0.00	
7,965.0	0.87	344.02	7,916.3	767.7	-219.9	-764.9	2.00	-2.00	0.00	
7,966.0	0.85	344.02	7,917.3	767.7	-219.9	-764.9	2.00	-2.00	0.00	
7,967.0	0.83	344.02	7,918.3	767.7	-219.9	-764.9	2.00	-2.00	0.00	
7,968.0	0.81	344.02	7,919.3	767.7	-219.9	-764.9	2.00	-2.00	0.00	
7,969.0	0.79	344.02	7,920.3	767.7	-219.9	-764.9	2.00	-2.00	0.00	
7,970.0	0.77	344.02	7,921.3	767.7	-219.9	-764.9	2.00	-2.00	0.00	
7,971.0	0.75	344.02	7,922.3	767.8	-219.9	-764.9	2.00	-2.00	0.00	
7,972.0	0.73	344.02	7,923.3	767.8	-219.9	-764.9	2.00	-2.00	0.00	
7,973.0	0.71	344.02	7,924.3	767.8	-219.9	-765.0	2.00	-2.00	0.00	
7,974.0	0.69	344.02	7,925.3	767.8	-219.9	-765.0	2.00	-2.00	0.00	
7,975.0	0.67	344.02	7,926.3	767.8	-219.9	-765.0	2.00	-2.00	0.00	
7,976.0	0.65	344.02	7,927.3	767.8	-219.9	-765.0	2.00	-2.00	0.00	
7,977.0	0.63	344.02	7,928.3	767.8	-220.0	-765.0	2.00	-2.00	0.00	
7,978.0	0.61	344.02	7,929.3	767.8	-220.0	-765.0	2.00	-2.00	0.00	
7,979.0	0.59	344.02	7,930.3	767.9	-220.0	-765.0	2.00	-2.00	0.00	
7,980.0	0.57	344.02	7,931.3	767.9	-220.0	-765.0	2.00	-2.00	0.00	
7,981.0	0.55	344.02	7,932.3	767.9	-220.0	-765.0	2.00	-2.00	0.00	
7,982.0	0.53	344.02	7,933.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,983.0	0.51	344.02	7,934.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,984.0	0.49	344.02	7,935.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,985.0	0.47	344.02	7,936.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,986.0	0.45	344.02	7,937.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,987.0	0.43	344.02	7,938.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,988.0	0.41	344.02	7,939.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,989.0	0.39	344.02	7,940.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,990.0	0.37	344.02	7,941.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,991.0	0.35	344.02	7,942.3	767.9	-220.0	-765.1	2.00	-2.00	0.00	
7,992.0	0.33	344.02	7,943.3	768.0	-220.0	-765.1	2.00	-2.00	0.00	
7,993.0	0.31	344.02	7,944.3	768.0	-220.0	-765.1	2.00	-2.00	0.00	
7,994.0	0.29	344.02	7,945.3	768.0	-220.0	-765.1	2.00	-2.00	0.00	
7,995.0	0.27	344.02	7,946.3	768.0	-220.0	-765.1	2.00	-2.00	0.00	
7,996.0	0.25	344.02	7,947.3	768.0	-220.0	-765.1	2.00	-2.00	0.00	
7,997.0	0.23	344.02	7,948.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
7,998.0	0.21	344.02	7,949.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
7,999.0	0.19	344.02	7,950.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,000.0	0.17	344.02	7,951.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,001.0	0.15	344.02	7,952.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,002.0	0.13	344.02	7,953.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,003.0	0.11	344.02	7,954.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,004.0	0.09	344.02	7,955.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,005.0	0.07	344.02	7,956.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,006.0	0.05	344.02	7,957.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,007.0	0.03	344.02	7,958.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,008.0	0.01	344.02	7,959.3	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,008.7	0.00	0.00	7,960.0	768.0	-220.0	-765.2	2.00	-2.00	0.00	
8,009.0	0.00	0.00	7,960.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,010.0	0.00	0.00	7,961.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,011.0	0.00	0.00	7,962.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,012.0	0.00	0.00	7,963.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,013.0	0.00	0.00	7,964.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,014.0	0.00	0.00	7,965.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,015.0	0.00	0.00	7,966.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,016.0	0.00	0.00	7,967.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,017.0	0.00	0.00	7,968.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,018.0	0.00	0.00	7,969.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,019.0	0.00	0.00	7,970.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,020.0	0.00	0.00	7,971.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,021.0	0.00	0.00	7,972.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,022.0	0.00	0.00	7,973.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,023.0	0.00	0.00	7,974.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,024.0	0.00	0.00	7,975.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,025.0	0.00	0.00	7,976.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,026.0	0.00	0.00	7,977.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,027.0	0.00	0.00	7,978.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,028.0	0.00	0.00	7,979.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,029.0	0.00	0.00	7,980.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,030.0	0.00	0.00	7,981.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,031.0	0.00	0.00	7,982.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,032.0	0.00	0.00	7,983.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,033.0	0.00	0.00	7,984.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,034.0	0.00	0.00	7,985.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,035.0	0.00	0.00	7,986.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,036.0	0.00	0.00	7,987.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,037.0	0.00	0.00	7,988.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,038.0	0.00	0.00	7,989.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,039.0	0.00	0.00	7,990.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,040.0	0.00	0.00	7,991.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,041.0	0.00	0.00	7,992.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
8,042.0	0.00	0.00	7,993.3	768.0	-220.0	-765.2	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,043.0	0.00	0.00	7,994.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,044.0	0.00	0.00	7,995.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,045.0	0.00	0.00	7,996.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,046.0	0.00	0.00	7,997.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,047.0	0.00	0.00	7,998.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,048.0	0.00	0.00	7,999.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,049.0	0.00	0.00	8,000.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,050.0	0.00	0.00	8,001.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,051.0	0.00	0.00	8,002.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,052.0	0.00	0.00	8,003.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,053.0	0.00	0.00	8,004.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,054.0	0.00	0.00	8,005.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,055.0	0.00	0.00	8,006.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,056.0	0.00	0.00	8,007.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,057.0	0.00	0.00	8,008.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,058.0	0.00	0.00	8,009.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,059.0	0.00	0.00	8,010.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,060.0	0.00	0.00	8,011.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,061.0	0.00	0.00	8,012.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,062.0	0.00	0.00	8,013.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,063.0	0.00	0.00	8,014.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,064.0	0.00	0.00	8,015.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,065.0	0.00	0.00	8,016.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,066.0	0.00	0.00	8,017.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,067.0	0.00	0.00	8,018.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,068.0	0.00	0.00	8,019.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,069.0	0.00	0.00	8,020.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,070.0	0.00	0.00	8,021.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,071.0	0.00	0.00	8,022.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,072.0	0.00	0.00	8,023.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,073.0	0.00	0.00	8,024.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,074.0	0.00	0.00	8,025.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,075.0	0.00	0.00	8,026.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,076.0	0.00	0.00	8,027.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,077.0	0.00	0.00	8,028.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,078.0	0.00	0.00	8,029.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,079.0	0.00	0.00	8,030.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,080.0	0.00	0.00	8,031.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,081.0	0.00	0.00	8,032.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,082.0	0.00	0.00	8,033.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,083.0	0.00	0.00	8,034.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,084.0	0.00	0.00	8,035.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,085.0	0.00	0.00	8,036.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,086.0	0.00	0.00	8,037.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,087.0	0.00	0.00	8,038.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,088.0	0.00	0.00	8,039.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,089.0	0.00	0.00	8,040.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,090.0	0.00	0.00	8,041.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,091.0	0.00	0.00	8,042.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,092.0	0.00	0.00	8,043.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,093.0	0.00	0.00	8,044.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,094.0	0.00	0.00	8,045.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,095.0	0.00	0.00	8,046.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,096.0	0.00	0.00	8,047.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,097.0	0.00	0.00	8,048.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,098.0	0.00	0.00	8,049.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,099.0	0.00	0.00	8,050.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,100.0	0.00	0.00	8,051.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,101.0	0.00	0.00	8,052.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,102.0	0.00	0.00	8,053.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,103.0	0.00	0.00	8,054.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,104.0	0.00	0.00	8,055.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,105.0	0.00	0.00	8,056.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,106.0	0.00	0.00	8,057.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,107.0	0.00	0.00	8,058.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,108.0	0.00	0.00	8,059.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,109.0	0.00	0.00	8,060.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,110.0	0.00	0.00	8,061.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,111.0	0.00	0.00	8,062.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,112.0	0.00	0.00	8,063.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,113.0	0.00	0.00	8,064.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,114.0	0.00	0.00	8,065.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,115.0	0.00	0.00	8,066.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,116.0	0.00	0.00	8,067.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,117.0	0.00	0.00	8,068.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,118.0	0.00	0.00	8,069.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,119.0	0.00	0.00	8,070.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,120.0	0.00	0.00	8,071.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,121.0	0.00	0.00	8,072.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,122.0	0.00	0.00	8,073.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,123.0	0.00	0.00	8,074.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,124.0	0.00	0.00	8,075.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,125.0	0.00	0.00	8,076.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,126.0	0.00	0.00	8,077.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,127.0	0.00	0.00	8,078.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,128.0	0.00	0.00	8,079.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,129.0	0.00	0.00	8,080.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,130.0	0.00	0.00	8,081.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,131.0	0.00	0.00	8,082.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,132.0	0.00	0.00	8,083.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,133.0	0.00	0.00	8,084.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,134.0	0.00	0.00	8,085.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,135.0	0.00	0.00	8,086.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,136.0	0.00	0.00	8,087.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,137.0	0.00	0.00	8,088.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,138.0	0.00	0.00	8,089.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,139.0	0.00	0.00	8,090.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,140.0	0.00	0.00	8,091.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,141.0	0.00	0.00	8,092.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,142.0	0.00	0.00	8,093.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,143.0	0.00	0.00	8,094.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,144.0	0.00	0.00	8,095.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,145.0	0.00	0.00	8,096.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,146.0	0.00	0.00	8,097.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,147.0	0.00	0.00	8,098.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,148.0	0.00	0.00	8,099.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,149.0	0.00	0.00	8,100.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,150.0	0.00	0.00	8,101.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,151.0	0.00	0.00	8,102.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,152.0	0.00	0.00	8,103.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,153.0	0.00	0.00	8,104.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,154.0	0.00	0.00	8,105.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,155.0	0.00	0.00	8,106.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,156.0	0.00	0.00	8,107.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,157.0	0.00	0.00	8,108.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,158.0	0.00	0.00	8,109.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,159.0	0.00	0.00	8,110.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,160.0	0.00	0.00	8,111.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,161.0	0.00	0.00	8,112.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,162.0	0.00	0.00	8,113.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,163.0	0.00	0.00	8,114.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,164.0	0.00	0.00	8,115.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,165.0	0.00	0.00	8,116.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,166.0	0.00	0.00	8,117.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,167.0	0.00	0.00	8,118.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,168.0	0.00	0.00	8,119.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,169.0	0.00	0.00	8,120.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,170.0	0.00	0.00	8,121.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,171.0	0.00	0.00	8,122.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,172.0	0.00	0.00	8,123.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,173.0	0.00	0.00	8,124.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,174.0	0.00	0.00	8,125.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,175.0	0.00	0.00	8,126.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,176.0	0.00	0.00	8,127.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,177.0	0.00	0.00	8,128.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,178.0	0.00	0.00	8,129.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,179.0	0.00	0.00	8,130.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,180.0	0.00	0.00	8,131.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,181.0	0.00	0.00	8,132.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,182.0	0.00	0.00	8,133.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,183.0	0.00	0.00	8,134.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,184.0	0.00	0.00	8,135.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,185.0	0.00	0.00	8,136.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,186.0	0.00	0.00	8,137.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,187.0	0.00	0.00	8,138.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,188.0	0.00	0.00	8,139.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,189.0	0.00	0.00	8,140.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,190.0	0.00	0.00	8,141.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,191.0	0.00	0.00	8,142.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,192.0	0.00	0.00	8,143.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,193.0	0.00	0.00	8,144.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,194.0	0.00	0.00	8,145.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,195.0	0.00	0.00	8,146.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,196.0	0.00	0.00	8,147.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,197.0	0.00	0.00	8,148.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,198.0	0.00	0.00	8,149.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,199.0	0.00	0.00	8,150.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,151.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,201.0	0.00	0.00	8,152.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,202.0	0.00	0.00	8,153.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,203.0	0.00	0.00	8,154.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,204.0	0.00	0.00	8,155.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,205.0	0.00	0.00	8,156.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,206.0	0.00	0.00	8,157.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,207.0	0.00	0.00	8,158.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,208.0	0.00	0.00	8,159.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,209.0	0.00	0.00	8,160.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,210.0	0.00	0.00	8,161.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,211.0	0.00	0.00	8,162.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,212.0	0.00	0.00	8,163.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,213.0	0.00	0.00	8,164.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,214.0	0.00	0.00	8,165.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,215.0	0.00	0.00	8,166.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,216.0	0.00	0.00	8,167.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,217.0	0.00	0.00	8,168.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,218.0	0.00	0.00	8,169.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,219.0	0.00	0.00	8,170.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,220.0	0.00	0.00	8,171.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,221.0	0.00	0.00	8,172.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,222.0	0.00	0.00	8,173.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,223.0	0.00	0.00	8,174.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,224.0	0.00	0.00	8,175.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,225.0	0.00	0.00	8,176.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,226.0	0.00	0.00	8,177.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,227.0	0.00	0.00	8,178.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,228.0	0.00	0.00	8,179.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,229.0	0.00	0.00	8,180.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,230.0	0.00	0.00	8,181.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,231.0	0.00	0.00	8,182.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,232.0	0.00	0.00	8,183.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,233.0	0.00	0.00	8,184.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,234.0	0.00	0.00	8,185.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,235.0	0.00	0.00	8,186.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,236.0	0.00	0.00	8,187.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,237.0	0.00	0.00	8,188.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,238.0	0.00	0.00	8,189.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,239.0	0.00	0.00	8,190.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,240.0	0.00	0.00	8,191.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,241.0	0.00	0.00	8,192.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,242.0	0.00	0.00	8,193.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,243.0	0.00	0.00	8,194.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,244.0	0.00	0.00	8,195.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,245.0	0.00	0.00	8,196.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,246.0	0.00	0.00	8,197.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,247.0	0.00	0.00	8,198.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,248.0	0.00	0.00	8,199.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,249.0	0.00	0.00	8,200.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,250.0	0.00	0.00	8,201.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,251.0	0.00	0.00	8,202.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,252.0	0.00	0.00	8,203.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,253.0	0.00	0.00	8,204.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,254.0	0.00	0.00	8,205.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,255.0	0.00	0.00	8,206.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,256.0	0.00	0.00	8,207.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,257.0	0.00	0.00	8,208.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,258.0	0.00	0.00	8,209.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,259.0	0.00	0.00	8,210.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,260.0	0.00	0.00	8,211.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,261.0	0.00	0.00	8,212.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,262.0	0.00	0.00	8,213.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,263.0	0.00	0.00	8,214.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,264.0	0.00	0.00	8,215.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,265.0	0.00	0.00	8,216.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,266.0	0.00	0.00	8,217.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,267.0	0.00	0.00	8,218.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,268.0	0.00	0.00	8,219.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,269.0	0.00	0.00	8,220.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,270.0	0.00	0.00	8,221.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,271.0	0.00	0.00	8,222.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,272.0	0.00	0.00	8,223.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,273.0	0.00	0.00	8,224.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,274.0	0.00	0.00	8,225.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,275.0	0.00	0.00	8,226.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,276.0	0.00	0.00	8,227.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,277.0	0.00	0.00	8,228.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,278.0	0.00	0.00	8,229.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,279.0	0.00	0.00	8,230.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,280.0	0.00	0.00	8,231.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,281.0	0.00	0.00	8,232.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,282.0	0.00	0.00	8,233.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,283.0	0.00	0.00	8,234.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,284.0	0.00	0.00	8,235.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,285.0	0.00	0.00	8,236.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,286.0	0.00	0.00	8,237.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,287.0	0.00	0.00	8,238.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,288.0	0.00	0.00	8,239.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,289.0	0.00	0.00	8,240.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,290.0	0.00	0.00	8,241.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,291.0	0.00	0.00	8,242.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,292.0	0.00	0.00	8,243.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,293.0	0.00	0.00	8,244.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,294.0	0.00	0.00	8,245.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,295.0	0.00	0.00	8,246.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,296.0	0.00	0.00	8,247.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,297.0	0.00	0.00	8,248.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,298.0	0.00	0.00	8,249.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,299.0	0.00	0.00	8,250.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,300.0	0.00	0.00	8,251.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,301.0	0.00	0.00	8,252.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,302.0	0.00	0.00	8,253.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,303.0	0.00	0.00	8,254.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,304.0	0.00	0.00	8,255.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,305.0	0.00	0.00	8,256.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,306.0	0.00	0.00	8,257.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,307.0	0.00	0.00	8,258.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,308.0	0.00	0.00	8,259.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,309.0	0.00	0.00	8,260.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,310.0	0.00	0.00	8,261.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,311.0	0.00	0.00	8,262.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,312.0	0.00	0.00	8,263.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,313.0	0.00	0.00	8,264.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,314.0	0.00	0.00	8,265.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,315.0	0.00	0.00	8,266.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,316.0	0.00	0.00	8,267.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,317.0	0.00	0.00	8,268.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,318.0	0.00	0.00	8,269.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,319.0	0.00	0.00	8,270.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,320.0	0.00	0.00	8,271.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,321.0	0.00	0.00	8,272.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,322.0	0.00	0.00	8,273.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,323.0	0.00	0.00	8,274.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,324.0	0.00	0.00	8,275.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,325.0	0.00	0.00	8,276.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,326.0	0.00	0.00	8,277.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,327.0	0.00	0.00	8,278.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,328.0	0.00	0.00	8,279.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,329.0	0.00	0.00	8,280.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,330.0	0.00	0.00	8,281.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,331.0	0.00	0.00	8,282.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,332.0	0.00	0.00	8,283.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,333.0	0.00	0.00	8,284.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,334.0	0.00	0.00	8,285.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,335.0	0.00	0.00	8,286.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,336.0	0.00	0.00	8,287.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,337.0	0.00	0.00	8,288.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,338.0	0.00	0.00	8,289.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,339.0	0.00	0.00	8,290.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,340.0	0.00	0.00	8,291.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,341.0	0.00	0.00	8,292.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,342.0	0.00	0.00	8,293.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,343.0	0.00	0.00	8,294.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,344.0	0.00	0.00	8,295.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,345.0	0.00	0.00	8,296.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,346.0	0.00	0.00	8,297.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,347.0	0.00	0.00	8,298.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,348.0	0.00	0.00	8,299.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,349.0	0.00	0.00	8,300.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,350.0	0.00	0.00	8,301.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,351.0	0.00	0.00	8,302.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,352.0	0.00	0.00	8,303.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,353.0	0.00	0.00	8,304.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,354.0	0.00	0.00	8,305.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,355.0	0.00	0.00	8,306.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,356.0	0.00	0.00	8,307.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,357.0	0.00	0.00	8,308.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,358.0	0.00	0.00	8,309.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,359.0	0.00	0.00	8,310.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,360.0	0.00	0.00	8,311.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,361.0	0.00	0.00	8,312.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,362.0	0.00	0.00	8,313.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,363.0	0.00	0.00	8,314.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,364.0	0.00	0.00	8,315.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,365.0	0.00	0.00	8,316.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,366.0	0.00	0.00	8,317.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,367.0	0.00	0.00	8,318.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,368.0	0.00	0.00	8,319.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,369.0	0.00	0.00	8,320.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,370.0	0.00	0.00	8,321.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,371.0	0.00	0.00	8,322.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,372.0	0.00	0.00	8,323.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,373.0	0.00	0.00	8,324.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,374.0	0.00	0.00	8,325.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,375.0	0.00	0.00	8,326.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,376.0	0.00	0.00	8,327.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,377.0	0.00	0.00	8,328.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,378.0	0.00	0.00	8,329.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,379.0	0.00	0.00	8,330.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,380.0	0.00	0.00	8,331.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,381.0	0.00	0.00	8,332.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,382.0	0.00	0.00	8,333.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,383.0	0.00	0.00	8,334.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,384.0	0.00	0.00	8,335.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,385.0	0.00	0.00	8,336.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,386.0	0.00	0.00	8,337.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,387.0	0.00	0.00	8,338.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,388.0	0.00	0.00	8,339.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,389.0	0.00	0.00	8,340.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,390.0	0.00	0.00	8,341.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,391.0	0.00	0.00	8,342.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,392.0	0.00	0.00	8,343.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,393.0	0.00	0.00	8,344.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,394.0	0.00	0.00	8,345.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,395.0	0.00	0.00	8,346.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,396.0	0.00	0.00	8,347.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,397.0	0.00	0.00	8,348.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,398.0	0.00	0.00	8,349.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,399.0	0.00	0.00	8,350.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,351.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,401.0	0.00	0.00	8,352.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,402.0	0.00	0.00	8,353.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,403.0	0.00	0.00	8,354.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,404.0	0.00	0.00	8,355.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,405.0	0.00	0.00	8,356.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,406.0	0.00	0.00	8,357.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,407.0	0.00	0.00	8,358.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,408.0	0.00	0.00	8,359.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,409.0	0.00	0.00	8,360.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,410.0	0.00	0.00	8,361.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,411.0	0.00	0.00	8,362.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,412.0	0.00	0.00	8,363.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,413.0	0.00	0.00	8,364.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,414.0	0.00	0.00	8,365.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,415.0	0.00	0.00	8,366.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,416.0	0.00	0.00	8,367.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,417.0	0.00	0.00	8,368.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,418.0	0.00	0.00	8,369.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,419.0	0.00	0.00	8,370.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,420.0	0.00	0.00	8,371.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,421.0	0.00	0.00	8,372.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,422.0	0.00	0.00	8,373.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,423.0	0.00	0.00	8,374.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,424.0	0.00	0.00	8,375.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,425.0	0.00	0.00	8,376.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,426.0	0.00	0.00	8,377.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,427.0	0.00	0.00	8,378.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,428.0	0.00	0.00	8,379.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,429.0	0.00	0.00	8,380.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,430.0	0.00	0.00	8,381.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,431.0	0.00	0.00	8,382.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,432.0	0.00	0.00	8,383.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,433.0	0.00	0.00	8,384.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,434.0	0.00	0.00	8,385.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,435.0	0.00	0.00	8,386.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,436.0	0.00	0.00	8,387.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,437.0	0.00	0.00	8,388.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,438.0	0.00	0.00	8,389.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,439.0	0.00	0.00	8,390.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,440.0	0.00	0.00	8,391.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,441.0	0.00	0.00	8,392.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,442.0	0.00	0.00	8,393.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,443.0	0.00	0.00	8,394.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,444.0	0.00	0.00	8,395.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,445.0	0.00	0.00	8,396.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,446.0	0.00	0.00	8,397.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,447.0	0.00	0.00	8,398.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,448.0	0.00	0.00	8,399.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,449.0	0.00	0.00	8,400.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,450.0	0.00	0.00	8,401.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,451.0	0.00	0.00	8,402.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,452.0	0.00	0.00	8,403.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,453.0	0.00	0.00	8,404.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,454.0	0.00	0.00	8,405.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,455.0	0.00	0.00	8,406.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,456.0	0.00	0.00	8,407.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,457.0	0.00	0.00	8,408.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,458.0	0.00	0.00	8,409.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,459.0	0.00	0.00	8,410.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,460.0	0.00	0.00	8,411.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,461.0	0.00	0.00	8,412.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,462.0	0.00	0.00	8,413.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,463.0	0.00	0.00	8,414.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,464.0	0.00	0.00	8,415.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,465.0	0.00	0.00	8,416.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,466.0	0.00	0.00	8,417.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,467.0	0.00	0.00	8,418.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,468.0	0.00	0.00	8,419.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,469.0	0.00	0.00	8,420.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,470.0	0.00	0.00	8,421.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,471.0	0.00	0.00	8,422.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,472.0	0.00	0.00	8,423.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,473.0	0.00	0.00	8,424.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,474.0	0.00	0.00	8,425.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,475.0	0.00	0.00	8,426.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,476.0	0.00	0.00	8,427.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,477.0	0.00	0.00	8,428.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,478.0	0.00	0.00	8,429.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,479.0	0.00	0.00	8,430.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,480.0	0.00	0.00	8,431.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,481.0	0.00	0.00	8,432.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,482.0	0.00	0.00	8,433.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,483.0	0.00	0.00	8,434.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,484.0	0.00	0.00	8,435.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,485.0	0.00	0.00	8,436.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,486.0	0.00	0.00	8,437.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,487.0	0.00	0.00	8,438.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,488.0	0.00	0.00	8,439.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,489.0	0.00	0.00	8,440.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,490.0	0.00	0.00	8,441.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,491.0	0.00	0.00	8,442.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,492.0	0.00	0.00	8,443.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,493.0	0.00	0.00	8,444.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,494.0	0.00	0.00	8,445.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,495.0	0.00	0.00	8,446.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,496.0	0.00	0.00	8,447.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,497.0	0.00	0.00	8,448.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,498.0	0.00	0.00	8,449.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,499.0	0.00	0.00	8,450.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,451.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,501.0	0.00	0.00	8,452.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,502.0	0.00	0.00	8,453.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,503.0	0.00	0.00	8,454.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,504.0	0.00	0.00	8,455.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,505.0	0.00	0.00	8,456.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,506.0	0.00	0.00	8,457.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,507.0	0.00	0.00	8,458.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,508.0	0.00	0.00	8,459.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,509.0	0.00	0.00	8,460.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,510.0	0.00	0.00	8,461.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,511.0	0.00	0.00	8,462.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,512.0	0.00	0.00	8,463.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,513.0	0.00	0.00	8,464.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,514.0	0.00	0.00	8,465.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,515.0	0.00	0.00	8,466.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,516.0	0.00	0.00	8,467.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,517.0	0.00	0.00	8,468.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,518.0	0.00	0.00	8,469.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,519.0	0.00	0.00	8,470.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,520.0	0.00	0.00	8,471.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,521.0	0.00	0.00	8,472.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,522.0	0.00	0.00	8,473.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,523.0	0.00	0.00	8,474.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,524.0	0.00	0.00	8,475.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,525.0	0.00	0.00	8,476.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,526.0	0.00	0.00	8,477.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,527.0	0.00	0.00	8,478.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,528.0	0.00	0.00	8,479.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,529.0	0.00	0.00	8,480.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,530.0	0.00	0.00	8,481.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,531.0	0.00	0.00	8,482.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,532.0	0.00	0.00	8,483.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,533.0	0.00	0.00	8,484.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,534.0	0.00	0.00	8,485.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,535.0	0.00	0.00	8,486.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,536.0	0.00	0.00	8,487.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,537.0	0.00	0.00	8,488.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,538.0	0.00	0.00	8,489.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,539.0	0.00	0.00	8,490.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,540.0	0.00	0.00	8,491.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,541.0	0.00	0.00	8,492.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,542.0	0.00	0.00	8,493.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,543.0	0.00	0.00	8,494.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,544.0	0.00	0.00	8,495.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,545.0	0.00	0.00	8,496.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,546.0	0.00	0.00	8,497.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,547.0	0.00	0.00	8,498.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,548.0	0.00	0.00	8,499.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,549.0	0.00	0.00	8,500.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,550.0	0.00	0.00	8,501.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,551.0	0.00	0.00	8,502.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,552.0	0.00	0.00	8,503.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,553.0	0.00	0.00	8,504.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,554.0	0.00	0.00	8,505.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,555.0	0.00	0.00	8,506.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,556.0	0.00	0.00	8,507.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,557.0	0.00	0.00	8,508.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,558.0	0.00	0.00	8,509.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,559.0	0.00	0.00	8,510.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,560.0	0.00	0.00	8,511.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,561.0	0.00	0.00	8,512.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,562.0	0.00	0.00	8,513.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,563.0	0.00	0.00	8,514.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,564.0	0.00	0.00	8,515.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,565.0	0.00	0.00	8,516.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,566.0	0.00	0.00	8,517.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,567.0	0.00	0.00	8,518.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,568.0	0.00	0.00	8,519.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,569.0	0.00	0.00	8,520.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,570.0	0.00	0.00	8,521.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,571.0	0.00	0.00	8,522.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,572.0	0.00	0.00	8,523.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,573.0	0.00	0.00	8,524.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,574.0	0.00	0.00	8,525.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,575.0	0.00	0.00	8,526.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,576.0	0.00	0.00	8,527.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,577.0	0.00	0.00	8,528.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,578.0	0.00	0.00	8,529.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,579.0	0.00	0.00	8,530.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,580.0	0.00	0.00	8,531.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,581.0	0.00	0.00	8,532.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,582.0	0.00	0.00	8,533.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,583.0	0.00	0.00	8,534.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,584.0	0.00	0.00	8,535.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,585.0	0.00	0.00	8,536.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,586.0	0.00	0.00	8,537.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,587.0	0.00	0.00	8,538.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,588.0	0.00	0.00	8,539.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,589.0	0.00	0.00	8,540.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,590.0	0.00	0.00	8,541.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,591.0	0.00	0.00	8,542.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,592.0	0.00	0.00	8,543.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,593.0	0.00	0.00	8,544.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,594.0	0.00	0.00	8,545.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,595.0	0.00	0.00	8,546.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,596.0	0.00	0.00	8,547.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,597.0	0.00	0.00	8,548.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,598.0	0.00	0.00	8,549.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,599.0	0.00	0.00	8,550.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,551.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,601.0	0.00	0.00	8,552.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,602.0	0.00	0.00	8,553.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,603.0	0.00	0.00	8,554.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,604.0	0.00	0.00	8,555.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,605.0	0.00	0.00	8,556.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,606.0	0.00	0.00	8,557.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,607.0	0.00	0.00	8,558.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,608.0	0.00	0.00	8,559.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,609.0	0.00	0.00	8,560.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,610.0	0.00	0.00	8,561.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,611.0	0.00	0.00	8,562.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,612.0	0.00	0.00	8,563.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,613.0	0.00	0.00	8,564.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,614.0	0.00	0.00	8,565.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,615.0	0.00	0.00	8,566.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,616.0	0.00	0.00	8,567.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,617.0	0.00	0.00	8,568.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,618.0	0.00	0.00	8,569.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,619.0	0.00	0.00	8,570.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,620.0	0.00	0.00	8,571.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,621.0	0.00	0.00	8,572.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,622.0	0.00	0.00	8,573.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,623.0	0.00	0.00	8,574.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,624.0	0.00	0.00	8,575.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,625.0	0.00	0.00	8,576.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,626.0	0.00	0.00	8,577.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,627.0	0.00	0.00	8,578.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,628.0	0.00	0.00	8,579.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,629.0	0.00	0.00	8,580.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,630.0	0.00	0.00	8,581.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,631.0	0.00	0.00	8,582.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,632.0	0.00	0.00	8,583.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,633.0	0.00	0.00	8,584.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,634.0	0.00	0.00	8,585.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,635.0	0.00	0.00	8,586.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,636.0	0.00	0.00	8,587.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,637.0	0.00	0.00	8,588.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,638.0	0.00	0.00	8,589.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,639.0	0.00	0.00	8,590.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,640.0	0.00	0.00	8,591.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,641.0	0.00	0.00	8,592.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,642.0	0.00	0.00	8,593.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,643.0	0.00	0.00	8,594.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,644.0	0.00	0.00	8,595.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,645.0	0.00	0.00	8,596.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,646.0	0.00	0.00	8,597.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,647.0	0.00	0.00	8,598.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,648.0	0.00	0.00	8,599.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,649.0	0.00	0.00	8,600.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,650.0	0.00	0.00	8,601.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,651.0	0.00	0.00	8,602.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,652.0	0.00	0.00	8,603.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,653.0	0.00	0.00	8,604.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,654.0	0.00	0.00	8,605.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,655.0	0.00	0.00	8,606.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,656.0	0.00	0.00	8,607.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,657.0	0.00	0.00	8,608.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,658.0	0.00	0.00	8,609.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,659.0	0.00	0.00	8,610.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,660.0	0.00	0.00	8,611.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,661.0	0.00	0.00	8,612.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,662.0	0.00	0.00	8,613.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,663.0	0.00	0.00	8,614.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,664.0	0.00	0.00	8,615.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,665.0	0.00	0.00	8,616.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,666.0	0.00	0.00	8,617.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,667.0	0.00	0.00	8,618.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,668.0	0.00	0.00	8,619.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,669.0	0.00	0.00	8,620.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,670.0	0.00	0.00	8,621.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,671.0	0.00	0.00	8,622.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,672.0	0.00	0.00	8,623.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,673.0	0.00	0.00	8,624.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,674.0	0.00	0.00	8,625.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,675.0	0.00	0.00	8,626.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,676.0	0.00	0.00	8,627.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,677.0	0.00	0.00	8,628.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,678.0	0.00	0.00	8,629.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,679.0	0.00	0.00	8,630.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,680.0	0.00	0.00	8,631.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,681.0	0.00	0.00	8,632.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,682.0	0.00	0.00	8,633.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,683.0	0.00	0.00	8,634.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,684.0	0.00	0.00	8,635.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,685.0	0.00	0.00	8,636.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,686.0	0.00	0.00	8,637.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,687.0	0.00	0.00	8,638.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,688.0	0.00	0.00	8,639.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,689.0	0.00	0.00	8,640.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,690.0	0.00	0.00	8,641.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,691.0	0.00	0.00	8,642.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,692.0	0.00	0.00	8,643.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,693.0	0.00	0.00	8,644.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,694.0	0.00	0.00	8,645.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,695.0	0.00	0.00	8,646.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,696.0	0.00	0.00	8,647.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,697.0	0.00	0.00	8,648.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,698.0	0.00	0.00	8,649.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,699.0	0.00	0.00	8,650.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,651.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,701.0	0.00	0.00	8,652.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,702.0	0.00	0.00	8,653.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,703.0	0.00	0.00	8,654.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,704.0	0.00	0.00	8,655.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,705.0	0.00	0.00	8,656.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,706.0	0.00	0.00	8,657.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,707.0	0.00	0.00	8,658.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,708.0	0.00	0.00	8,659.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,709.0	0.00	0.00	8,660.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,710.0	0.00	0.00	8,661.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,711.0	0.00	0.00	8,662.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,712.0	0.00	0.00	8,663.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,713.0	0.00	0.00	8,664.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,714.0	0.00	0.00	8,665.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,715.0	0.00	0.00	8,666.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,716.0	0.00	0.00	8,667.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,717.0	0.00	0.00	8,668.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,718.0	0.00	0.00	8,669.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,719.0	0.00	0.00	8,670.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,720.0	0.00	0.00	8,671.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,721.0	0.00	0.00	8,672.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,722.0	0.00	0.00	8,673.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,723.0	0.00	0.00	8,674.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,724.0	0.00	0.00	8,675.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,725.0	0.00	0.00	8,676.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,726.0	0.00	0.00	8,677.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,727.0	0.00	0.00	8,678.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,728.0	0.00	0.00	8,679.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,729.0	0.00	0.00	8,680.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,730.0	0.00	0.00	8,681.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,731.0	0.00	0.00	8,682.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,732.0	0.00	0.00	8,683.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,733.0	0.00	0.00	8,684.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,734.0	0.00	0.00	8,685.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,735.0	0.00	0.00	8,686.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,736.0	0.00	0.00	8,687.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,737.0	0.00	0.00	8,688.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,738.0	0.00	0.00	8,689.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,739.0	0.00	0.00	8,690.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,740.0	0.00	0.00	8,691.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,741.0	0.00	0.00	8,692.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,742.0	0.00	0.00	8,693.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,743.0	0.00	0.00	8,694.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,744.0	0.00	0.00	8,695.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,745.0	0.00	0.00	8,696.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,746.0	0.00	0.00	8,697.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,747.0	0.00	0.00	8,698.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,748.0	0.00	0.00	8,699.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,749.0	0.00	0.00	8,700.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,750.0	0.00	0.00	8,701.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,751.0	0.00	0.00	8,702.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,752.0	0.00	0.00	8,703.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,753.0	0.00	0.00	8,704.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,754.0	0.00	0.00	8,705.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,755.0	0.00	0.00	8,706.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,756.0	0.00	0.00	8,707.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,757.0	0.00	0.00	8,708.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,758.0	0.00	0.00	8,709.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,759.0	0.00	0.00	8,710.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,760.0	0.00	0.00	8,711.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,761.0	0.00	0.00	8,712.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,762.0	0.00	0.00	8,713.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,763.0	0.00	0.00	8,714.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,764.0	0.00	0.00	8,715.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,765.0	0.00	0.00	8,716.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,766.0	0.00	0.00	8,717.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,767.0	0.00	0.00	8,718.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,768.0	0.00	0.00	8,719.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,769.0	0.00	0.00	8,720.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,770.0	0.00	0.00	8,721.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,771.0	0.00	0.00	8,722.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,772.0	0.00	0.00	8,723.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,773.0	0.00	0.00	8,724.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,774.0	0.00	0.00	8,725.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,775.0	0.00	0.00	8,726.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,776.0	0.00	0.00	8,727.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,777.0	0.00	0.00	8,728.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,778.0	0.00	0.00	8,729.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,779.0	0.00	0.00	8,730.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,780.0	0.00	0.00	8,731.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,781.0	0.00	0.00	8,732.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,782.0	0.00	0.00	8,733.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,783.0	0.00	0.00	8,734.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,784.0	0.00	0.00	8,735.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,785.0	0.00	0.00	8,736.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,786.0	0.00	0.00	8,737.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,787.0	0.00	0.00	8,738.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,788.0	0.00	0.00	8,739.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,789.0	0.00	0.00	8,740.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,790.0	0.00	0.00	8,741.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,791.0	0.00	0.00	8,742.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,792.0	0.00	0.00	8,743.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,793.0	0.00	0.00	8,744.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,794.0	0.00	0.00	8,745.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,795.0	0.00	0.00	8,746.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,796.0	0.00	0.00	8,747.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,797.0	0.00	0.00	8,748.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,798.0	0.00	0.00	8,749.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,799.0	0.00	0.00	8,750.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,800.0	0.00	0.00	8,751.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,801.0	0.00	0.00	8,752.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,802.0	0.00	0.00	8,753.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,803.0	0.00	0.00	8,754.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,804.0	0.00	0.00	8,755.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,805.0	0.00	0.00	8,756.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,806.0	0.00	0.00	8,757.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,807.0	0.00	0.00	8,758.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,808.0	0.00	0.00	8,759.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,809.0	0.00	0.00	8,760.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,810.0	0.00	0.00	8,761.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,811.0	0.00	0.00	8,762.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,812.0	0.00	0.00	8,763.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,813.0	0.00	0.00	8,764.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,814.0	0.00	0.00	8,765.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,815.0	0.00	0.00	8,766.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,816.0	0.00	0.00	8,767.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,817.0	0.00	0.00	8,768.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,818.0	0.00	0.00	8,769.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,819.0	0.00	0.00	8,770.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,820.0	0.00	0.00	8,771.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,821.0	0.00	0.00	8,772.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,822.0	0.00	0.00	8,773.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,823.0	0.00	0.00	8,774.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,824.0	0.00	0.00	8,775.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,825.0	0.00	0.00	8,776.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,826.0	0.00	0.00	8,777.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,827.0	0.00	0.00	8,778.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,828.0	0.00	0.00	8,779.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,829.0	0.00	0.00	8,780.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,830.0	0.00	0.00	8,781.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,831.0	0.00	0.00	8,782.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,832.0	0.00	0.00	8,783.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,833.0	0.00	0.00	8,784.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,834.0	0.00	0.00	8,785.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,835.0	0.00	0.00	8,786.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,836.0	0.00	0.00	8,787.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,837.0	0.00	0.00	8,788.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,838.0	0.00	0.00	8,789.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,839.0	0.00	0.00	8,790.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,840.0	0.00	0.00	8,791.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,841.0	0.00	0.00	8,792.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,842.0	0.00	0.00	8,793.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,843.0	0.00	0.00	8,794.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,844.0	0.00	0.00	8,795.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,845.0	0.00	0.00	8,796.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,846.0	0.00	0.00	8,797.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,847.0	0.00	0.00	8,798.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,848.0	0.00	0.00	8,799.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,849.0	0.00	0.00	8,800.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,850.0	0.00	0.00	8,801.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,851.0	0.00	0.00	8,802.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,852.0	0.00	0.00	8,803.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,853.0	0.00	0.00	8,804.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,854.0	0.00	0.00	8,805.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,855.0	0.00	0.00	8,806.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,856.0	0.00	0.00	8,807.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,857.0	0.00	0.00	8,808.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,858.0	0.00	0.00	8,809.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,859.0	0.00	0.00	8,810.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,860.0	0.00	0.00	8,811.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,861.0	0.00	0.00	8,812.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,862.0	0.00	0.00	8,813.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,863.0	0.00	0.00	8,814.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,864.0	0.00	0.00	8,815.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,865.0	0.00	0.00	8,816.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,866.0	0.00	0.00	8,817.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,867.0	0.00	0.00	8,818.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,868.0	0.00	0.00	8,819.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,869.0	0.00	0.00	8,820.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,870.0	0.00	0.00	8,821.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,871.0	0.00	0.00	8,822.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,872.0	0.00	0.00	8,823.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,873.0	0.00	0.00	8,824.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,874.0	0.00	0.00	8,825.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,875.0	0.00	0.00	8,826.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,876.0	0.00	0.00	8,827.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,877.0	0.00	0.00	8,828.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,878.0	0.00	0.00	8,829.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,879.0	0.00	0.00	8,830.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,880.0	0.00	0.00	8,831.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,881.0	0.00	0.00	8,832.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,882.0	0.00	0.00	8,833.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,883.0	0.00	0.00	8,834.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,884.0	0.00	0.00	8,835.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,885.0	0.00	0.00	8,836.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,886.0	0.00	0.00	8,837.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,887.0	0.00	0.00	8,838.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,888.0	0.00	0.00	8,839.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,889.0	0.00	0.00	8,840.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,890.0	0.00	0.00	8,841.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,891.0	0.00	0.00	8,842.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,892.0	0.00	0.00	8,843.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,893.0	0.00	0.00	8,844.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,894.0	0.00	0.00	8,845.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,895.0	0.00	0.00	8,846.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,896.0	0.00	0.00	8,847.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,897.0	0.00	0.00	8,848.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,898.0	0.00	0.00	8,849.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,899.0	0.00	0.00	8,850.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,851.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,901.0	0.00	0.00	8,852.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,902.0	0.00	0.00	8,853.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,903.0	0.00	0.00	8,854.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,904.0	0.00	0.00	8,855.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,905.0	0.00	0.00	8,856.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,906.0	0.00	0.00	8,857.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,907.0	0.00	0.00	8,858.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,908.0	0.00	0.00	8,859.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,909.0	0.00	0.00	8,860.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,910.0	0.00	0.00	8,861.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,911.0	0.00	0.00	8,862.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,912.0	0.00	0.00	8,863.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,913.0	0.00	0.00	8,864.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,914.0	0.00	0.00	8,865.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,915.0	0.00	0.00	8,866.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,916.0	0.00	0.00	8,867.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,917.0	0.00	0.00	8,868.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,918.0	0.00	0.00	8,869.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,919.0	0.00	0.00	8,870.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,920.0	0.00	0.00	8,871.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,921.0	0.00	0.00	8,872.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,922.0	0.00	0.00	8,873.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,923.0	0.00	0.00	8,874.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,924.0	0.00	0.00	8,875.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,925.0	0.00	0.00	8,876.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,926.0	0.00	0.00	8,877.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,927.0	0.00	0.00	8,878.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,928.0	0.00	0.00	8,879.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,929.0	0.00	0.00	8,880.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,930.0	0.00	0.00	8,881.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,931.0	0.00	0.00	8,882.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,932.0	0.00	0.00	8,883.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,933.0	0.00	0.00	8,884.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,934.0	0.00	0.00	8,885.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,935.0	0.00	0.00	8,886.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,936.0	0.00	0.00	8,887.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,937.0	0.00	0.00	8,888.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,938.0	0.00	0.00	8,889.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,939.0	0.00	0.00	8,890.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,940.0	0.00	0.00	8,891.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,941.0	0.00	0.00	8,892.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,942.0	0.00	0.00	8,893.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,943.0	0.00	0.00	8,894.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,944.0	0.00	0.00	8,895.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,945.0	0.00	0.00	8,896.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,946.0	0.00	0.00	8,897.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,947.0	0.00	0.00	8,898.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,948.0	0.00	0.00	8,899.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,949.0	0.00	0.00	8,900.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,950.0	0.00	0.00	8,901.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,951.0	0.00	0.00	8,902.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,952.0	0.00	0.00	8,903.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,953.0	0.00	0.00	8,904.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,954.0	0.00	0.00	8,905.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,955.0	0.00	0.00	8,906.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,956.0	0.00	0.00	8,907.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,957.0	0.00	0.00	8,908.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,958.0	0.00	0.00	8,909.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,959.0	0.00	0.00	8,910.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,960.0	0.00	0.00	8,911.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,961.0	0.00	0.00	8,912.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,962.0	0.00	0.00	8,913.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,963.0	0.00	0.00	8,914.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,964.0	0.00	0.00	8,915.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,965.0	0.00	0.00	8,916.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,966.0	0.00	0.00	8,917.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,967.0	0.00	0.00	8,918.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,968.0	0.00	0.00	8,919.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,969.0	0.00	0.00	8,920.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,970.0	0.00	0.00	8,921.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,971.0	0.00	0.00	8,922.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,972.0	0.00	0.00	8,923.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,973.0	0.00	0.00	8,924.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,974.0	0.00	0.00	8,925.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,975.0	0.00	0.00	8,926.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,976.0	0.00	0.00	8,927.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,977.0	0.00	0.00	8,928.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,978.0	0.00	0.00	8,929.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,979.0	0.00	0.00	8,930.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,980.0	0.00	0.00	8,931.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,981.0	0.00	0.00	8,932.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,982.0	0.00	0.00	8,933.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,983.0	0.00	0.00	8,934.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,984.0	0.00	0.00	8,935.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,985.0	0.00	0.00	8,936.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,986.0	0.00	0.00	8,937.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,987.0	0.00	0.00	8,938.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,988.0	0.00	0.00	8,939.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,989.0	0.00	0.00	8,940.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,990.0	0.00	0.00	8,941.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,991.0	0.00	0.00	8,942.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,992.0	0.00	0.00	8,943.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,993.0	0.00	0.00	8,944.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,994.0	0.00	0.00	8,945.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,995.0	0.00	0.00	8,946.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,996.0	0.00	0.00	8,947.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,997.0	0.00	0.00	8,948.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,998.0	0.00	0.00	8,949.3	768.0	-220.0	-765.2	0.00	0.00	0.00
8,999.0	0.00	0.00	8,950.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,951.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,001.0	0.00	0.00	8,952.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,002.0	0.00	0.00	8,953.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,003.0	0.00	0.00	8,954.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,004.0	0.00	0.00	8,955.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,005.0	0.00	0.00	8,956.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,006.0	0.00	0.00	8,957.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,007.0	0.00	0.00	8,958.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,008.0	0.00	0.00	8,959.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,009.0	0.00	0.00	8,960.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,010.0	0.00	0.00	8,961.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,011.0	0.00	0.00	8,962.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,012.0	0.00	0.00	8,963.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,013.0	0.00	0.00	8,964.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,014.0	0.00	0.00	8,965.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,015.0	0.00	0.00	8,966.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,016.0	0.00	0.00	8,967.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,017.0	0.00	0.00	8,968.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,018.0	0.00	0.00	8,969.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,019.0	0.00	0.00	8,970.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,020.0	0.00	0.00	8,971.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,021.0	0.00	0.00	8,972.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,022.0	0.00	0.00	8,973.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,023.0	0.00	0.00	8,974.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,024.0	0.00	0.00	8,975.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,025.0	0.00	0.00	8,976.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,026.0	0.00	0.00	8,977.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,027.0	0.00	0.00	8,978.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,028.0	0.00	0.00	8,979.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,029.0	0.00	0.00	8,980.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,030.0	0.00	0.00	8,981.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,031.0	0.00	0.00	8,982.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,032.0	0.00	0.00	8,983.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,033.0	0.00	0.00	8,984.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,034.0	0.00	0.00	8,985.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,035.0	0.00	0.00	8,986.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,036.0	0.00	0.00	8,987.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,037.0	0.00	0.00	8,988.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,038.0	0.00	0.00	8,989.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,039.0	0.00	0.00	8,990.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,040.0	0.00	0.00	8,991.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,041.0	0.00	0.00	8,992.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,042.0	0.00	0.00	8,993.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,043.0	0.00	0.00	8,994.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,044.0	0.00	0.00	8,995.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,045.0	0.00	0.00	8,996.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,046.0	0.00	0.00	8,997.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,047.0	0.00	0.00	8,998.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,048.0	0.00	0.00	8,999.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,049.0	0.00	0.00	9,000.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,050.0	0.00	0.00	9,001.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,051.0	0.00	0.00	9,002.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,052.0	0.00	0.00	9,003.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,053.0	0.00	0.00	9,004.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,054.0	0.00	0.00	9,005.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,055.0	0.00	0.00	9,006.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,056.0	0.00	0.00	9,007.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,057.0	0.00	0.00	9,008.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,058.0	0.00	0.00	9,009.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,059.0	0.00	0.00	9,010.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,060.0	0.00	0.00	9,011.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,061.0	0.00	0.00	9,012.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,062.0	0.00	0.00	9,013.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,063.0	0.00	0.00	9,014.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,064.0	0.00	0.00	9,015.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,065.0	0.00	0.00	9,016.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,066.0	0.00	0.00	9,017.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,067.0	0.00	0.00	9,018.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,068.0	0.00	0.00	9,019.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,069.0	0.00	0.00	9,020.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,070.0	0.00	0.00	9,021.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,071.0	0.00	0.00	9,022.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,072.0	0.00	0.00	9,023.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,073.0	0.00	0.00	9,024.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,074.0	0.00	0.00	9,025.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,075.0	0.00	0.00	9,026.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,076.0	0.00	0.00	9,027.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,077.0	0.00	0.00	9,028.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,078.0	0.00	0.00	9,029.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,079.0	0.00	0.00	9,030.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,080.0	0.00	0.00	9,031.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,081.0	0.00	0.00	9,032.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,082.0	0.00	0.00	9,033.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,083.0	0.00	0.00	9,034.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,084.0	0.00	0.00	9,035.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,085.0	0.00	0.00	9,036.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,086.0	0.00	0.00	9,037.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,087.0	0.00	0.00	9,038.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,088.0	0.00	0.00	9,039.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,089.0	0.00	0.00	9,040.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,090.0	0.00	0.00	9,041.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,091.0	0.00	0.00	9,042.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,092.0	0.00	0.00	9,043.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,093.0	0.00	0.00	9,044.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,094.0	0.00	0.00	9,045.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,095.0	0.00	0.00	9,046.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,096.0	0.00	0.00	9,047.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,097.0	0.00	0.00	9,048.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,098.0	0.00	0.00	9,049.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,099.0	0.00	0.00	9,050.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,100.0	0.00	0.00	9,051.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,101.0	0.00	0.00	9,052.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,102.0	0.00	0.00	9,053.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,103.0	0.00	0.00	9,054.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,104.0	0.00	0.00	9,055.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,105.0	0.00	0.00	9,056.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,106.0	0.00	0.00	9,057.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,107.0	0.00	0.00	9,058.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,108.0	0.00	0.00	9,059.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,109.0	0.00	0.00	9,060.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,110.0	0.00	0.00	9,061.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,111.0	0.00	0.00	9,062.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,112.0	0.00	0.00	9,063.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,113.0	0.00	0.00	9,064.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,114.0	0.00	0.00	9,065.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,115.0	0.00	0.00	9,066.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,116.0	0.00	0.00	9,067.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,117.0	0.00	0.00	9,068.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,118.0	0.00	0.00	9,069.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,119.0	0.00	0.00	9,070.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,120.0	0.00	0.00	9,071.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,121.0	0.00	0.00	9,072.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,122.0	0.00	0.00	9,073.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,123.0	0.00	0.00	9,074.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,124.0	0.00	0.00	9,075.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,125.0	0.00	0.00	9,076.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,126.0	0.00	0.00	9,077.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,127.0	0.00	0.00	9,078.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,128.0	0.00	0.00	9,079.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,129.0	0.00	0.00	9,080.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,130.0	0.00	0.00	9,081.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,131.0	0.00	0.00	9,082.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,132.0	0.00	0.00	9,083.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,133.0	0.00	0.00	9,084.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,134.0	0.00	0.00	9,085.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,135.0	0.00	0.00	9,086.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,136.0	0.00	0.00	9,087.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,137.0	0.00	0.00	9,088.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,138.0	0.00	0.00	9,089.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,139.0	0.00	0.00	9,090.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,140.0	0.00	0.00	9,091.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,141.0	0.00	0.00	9,092.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,142.0	0.00	0.00	9,093.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,143.0	0.00	0.00	9,094.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,144.0	0.00	0.00	9,095.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,145.0	0.00	0.00	9,096.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,146.0	0.00	0.00	9,097.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,147.0	0.00	0.00	9,098.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,148.0	0.00	0.00	9,099.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,149.0	0.00	0.00	9,100.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,150.0	0.00	0.00	9,101.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,151.0	0.00	0.00	9,102.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,152.0	0.00	0.00	9,103.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,153.0	0.00	0.00	9,104.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,154.0	0.00	0.00	9,105.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,155.0	0.00	0.00	9,106.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,156.0	0.00	0.00	9,107.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,157.0	0.00	0.00	9,108.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,158.0	0.00	0.00	9,109.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,159.0	0.00	0.00	9,110.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,160.0	0.00	0.00	9,111.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,161.0	0.00	0.00	9,112.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,162.0	0.00	0.00	9,113.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,163.0	0.00	0.00	9,114.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,164.0	0.00	0.00	9,115.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,165.0	0.00	0.00	9,116.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,166.0	0.00	0.00	9,117.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,167.0	0.00	0.00	9,118.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,168.0	0.00	0.00	9,119.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,169.0	0.00	0.00	9,120.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,170.0	0.00	0.00	9,121.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,171.0	0.00	0.00	9,122.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,172.0	0.00	0.00	9,123.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,173.0	0.00	0.00	9,124.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,174.0	0.00	0.00	9,125.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,175.0	0.00	0.00	9,126.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,176.0	0.00	0.00	9,127.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,177.0	0.00	0.00	9,128.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,178.0	0.00	0.00	9,129.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,179.0	0.00	0.00	9,130.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,180.0	0.00	0.00	9,131.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,181.0	0.00	0.00	9,132.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,182.0	0.00	0.00	9,133.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,183.0	0.00	0.00	9,134.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,184.0	0.00	0.00	9,135.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,185.0	0.00	0.00	9,136.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,186.0	0.00	0.00	9,137.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,187.0	0.00	0.00	9,138.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,188.0	0.00	0.00	9,139.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,189.0	0.00	0.00	9,140.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,190.0	0.00	0.00	9,141.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,191.0	0.00	0.00	9,142.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,192.0	0.00	0.00	9,143.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,193.0	0.00	0.00	9,144.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,194.0	0.00	0.00	9,145.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,195.0	0.00	0.00	9,146.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,196.0	0.00	0.00	9,147.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,197.0	0.00	0.00	9,148.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,198.0	0.00	0.00	9,149.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,199.0	0.00	0.00	9,150.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,151.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,201.0	0.00	0.00	9,152.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,202.0	0.00	0.00	9,153.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,203.0	0.00	0.00	9,154.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,204.0	0.00	0.00	9,155.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,205.0	0.00	0.00	9,156.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,206.0	0.00	0.00	9,157.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,207.0	0.00	0.00	9,158.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,208.0	0.00	0.00	9,159.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,209.0	0.00	0.00	9,160.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,210.0	0.00	0.00	9,161.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,211.0	0.00	0.00	9,162.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,212.0	0.00	0.00	9,163.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,213.0	0.00	0.00	9,164.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,214.0	0.00	0.00	9,165.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,215.0	0.00	0.00	9,166.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,216.0	0.00	0.00	9,167.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,217.0	0.00	0.00	9,168.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,218.0	0.00	0.00	9,169.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,219.0	0.00	0.00	9,170.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,220.0	0.00	0.00	9,171.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,221.0	0.00	0.00	9,172.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,222.0	0.00	0.00	9,173.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,223.0	0.00	0.00	9,174.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,224.0	0.00	0.00	9,175.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,225.0	0.00	0.00	9,176.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,226.0	0.00	0.00	9,177.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,227.0	0.00	0.00	9,178.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,228.0	0.00	0.00	9,179.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,229.0	0.00	0.00	9,180.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,230.0	0.00	0.00	9,181.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,231.0	0.00	0.00	9,182.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,232.0	0.00	0.00	9,183.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,233.0	0.00	0.00	9,184.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,234.0	0.00	0.00	9,185.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,235.0	0.00	0.00	9,186.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,236.0	0.00	0.00	9,187.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,237.0	0.00	0.00	9,188.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,238.0	0.00	0.00	9,189.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,239.0	0.00	0.00	9,190.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,240.0	0.00	0.00	9,191.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,241.0	0.00	0.00	9,192.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,242.0	0.00	0.00	9,193.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,243.0	0.00	0.00	9,194.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,244.0	0.00	0.00	9,195.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,245.0	0.00	0.00	9,196.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,246.0	0.00	0.00	9,197.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,247.0	0.00	0.00	9,198.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,248.0	0.00	0.00	9,199.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,249.0	0.00	0.00	9,200.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,250.0	0.00	0.00	9,201.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,251.0	0.00	0.00	9,202.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,252.0	0.00	0.00	9,203.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,253.0	0.00	0.00	9,204.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,254.0	0.00	0.00	9,205.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,255.0	0.00	0.00	9,206.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,256.0	0.00	0.00	9,207.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,257.0	0.00	0.00	9,208.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,258.0	0.00	0.00	9,209.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,259.0	0.00	0.00	9,210.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,260.0	0.00	0.00	9,211.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,261.0	0.00	0.00	9,212.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,262.0	0.00	0.00	9,213.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,263.0	0.00	0.00	9,214.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,264.0	0.00	0.00	9,215.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,265.0	0.00	0.00	9,216.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,266.0	0.00	0.00	9,217.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,267.0	0.00	0.00	9,218.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,268.0	0.00	0.00	9,219.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,269.0	0.00	0.00	9,220.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,270.0	0.00	0.00	9,221.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,271.0	0.00	0.00	9,222.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,272.0	0.00	0.00	9,223.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,273.0	0.00	0.00	9,224.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,274.0	0.00	0.00	9,225.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,275.0	0.00	0.00	9,226.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,276.0	0.00	0.00	9,227.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,277.0	0.00	0.00	9,228.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,278.0	0.00	0.00	9,229.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,279.0	0.00	0.00	9,230.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,280.0	0.00	0.00	9,231.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,281.0	0.00	0.00	9,232.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,282.0	0.00	0.00	9,233.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,283.0	0.00	0.00	9,234.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,284.0	0.00	0.00	9,235.3	768.0	-220.0	-765.2	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,285.0	0.00	0.00	9,236.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,286.0	0.00	0.00	9,237.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,287.0	0.00	0.00	9,238.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,288.0	0.00	0.00	9,239.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,289.0	0.00	0.00	9,240.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,290.0	0.00	0.00	9,241.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,291.0	0.00	0.00	9,242.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,292.0	0.00	0.00	9,243.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,293.0	0.00	0.00	9,244.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,294.0	0.00	0.00	9,245.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,295.0	0.00	0.00	9,246.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,296.0	0.00	0.00	9,247.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,297.0	0.00	0.00	9,248.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,298.0	0.00	0.00	9,249.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,299.0	0.00	0.00	9,250.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,251.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,301.0	0.00	0.00	9,252.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,302.0	0.00	0.00	9,253.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,303.0	0.00	0.00	9,254.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,304.0	0.00	0.00	9,255.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,305.0	0.00	0.00	9,256.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,306.0	0.00	0.00	9,257.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,307.0	0.00	0.00	9,258.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,308.0	0.00	0.00	9,259.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,309.0	0.00	0.00	9,260.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,310.0	0.00	0.00	9,261.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,311.0	0.00	0.00	9,262.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,312.0	0.00	0.00	9,263.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,313.0	0.00	0.00	9,264.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,314.0	0.00	0.00	9,265.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,315.0	0.00	0.00	9,266.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,316.0	0.00	0.00	9,267.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,317.0	0.00	0.00	9,268.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,318.0	0.00	0.00	9,269.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,319.0	0.00	0.00	9,270.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,320.0	0.00	0.00	9,271.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,321.0	0.00	0.00	9,272.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,322.0	0.00	0.00	9,273.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,323.0	0.00	0.00	9,274.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,324.0	0.00	0.00	9,275.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,325.0	0.00	0.00	9,276.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,326.0	0.00	0.00	9,277.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,327.0	0.00	0.00	9,278.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,328.0	0.00	0.00	9,279.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,329.0	0.00	0.00	9,280.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,330.0	0.00	0.00	9,281.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,331.0	0.00	0.00	9,282.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,332.0	0.00	0.00	9,283.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,333.0	0.00	0.00	9,284.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,334.0	0.00	0.00	9,285.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,335.0	0.00	0.00	9,286.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,336.0	0.00	0.00	9,287.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,337.0	0.00	0.00	9,288.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,338.0	0.00	0.00	9,289.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,339.0	0.00	0.00	9,290.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,340.0	0.00	0.00	9,291.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,341.0	0.00	0.00	9,292.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,342.0	0.00	0.00	9,293.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,343.0	0.00	0.00	9,294.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,344.0	0.00	0.00	9,295.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,345.0	0.00	0.00	9,296.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,346.0	0.00	0.00	9,297.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,347.0	0.00	0.00	9,298.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,348.0	0.00	0.00	9,299.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,349.0	0.00	0.00	9,300.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,350.0	0.00	0.00	9,301.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,351.0	0.00	0.00	9,302.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,352.0	0.00	0.00	9,303.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,353.0	0.00	0.00	9,304.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,354.0	0.00	0.00	9,305.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,355.0	0.00	0.00	9,306.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,356.0	0.00	0.00	9,307.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,357.0	0.00	0.00	9,308.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,358.0	0.00	0.00	9,309.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,359.0	0.00	0.00	9,310.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,360.0	0.00	0.00	9,311.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,361.0	0.00	0.00	9,312.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,362.0	0.00	0.00	9,313.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,363.0	0.00	0.00	9,314.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,364.0	0.00	0.00	9,315.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,365.0	0.00	0.00	9,316.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,366.0	0.00	0.00	9,317.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,367.0	0.00	0.00	9,318.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,368.0	0.00	0.00	9,319.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,369.0	0.00	0.00	9,320.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,370.0	0.00	0.00	9,321.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,371.0	0.00	0.00	9,322.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,372.0	0.00	0.00	9,323.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,373.0	0.00	0.00	9,324.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,374.0	0.00	0.00	9,325.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,375.0	0.00	0.00	9,326.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,376.0	0.00	0.00	9,327.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,377.0	0.00	0.00	9,328.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,378.0	0.00	0.00	9,329.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,379.0	0.00	0.00	9,330.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,380.0	0.00	0.00	9,331.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,381.0	0.00	0.00	9,332.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,382.0	0.00	0.00	9,333.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,383.0	0.00	0.00	9,334.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,384.0	0.00	0.00	9,335.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,385.0	0.00	0.00	9,336.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,386.0	0.00	0.00	9,337.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,387.0	0.00	0.00	9,338.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,388.0	0.00	0.00	9,339.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,389.0	0.00	0.00	9,340.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,390.0	0.00	0.00	9,341.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,391.0	0.00	0.00	9,342.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,392.0	0.00	0.00	9,343.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,393.0	0.00	0.00	9,344.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,394.0	0.00	0.00	9,345.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,395.0	0.00	0.00	9,346.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,396.0	0.00	0.00	9,347.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,397.0	0.00	0.00	9,348.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,398.0	0.00	0.00	9,349.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,399.0	0.00	0.00	9,350.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,351.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,401.0	0.00	0.00	9,352.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,402.0	0.00	0.00	9,353.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,403.0	0.00	0.00	9,354.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,404.0	0.00	0.00	9,355.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,405.0	0.00	0.00	9,356.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,406.0	0.00	0.00	9,357.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,407.0	0.00	0.00	9,358.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,408.0	0.00	0.00	9,359.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,409.0	0.00	0.00	9,360.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,410.0	0.00	0.00	9,361.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,411.0	0.00	0.00	9,362.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,412.0	0.00	0.00	9,363.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,413.0	0.00	0.00	9,364.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,414.0	0.00	0.00	9,365.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,415.0	0.00	0.00	9,366.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,416.0	0.00	0.00	9,367.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,417.0	0.00	0.00	9,368.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,418.0	0.00	0.00	9,369.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,419.0	0.00	0.00	9,370.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,420.0	0.00	0.00	9,371.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,421.0	0.00	0.00	9,372.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,422.0	0.00	0.00	9,373.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,423.0	0.00	0.00	9,374.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,424.0	0.00	0.00	9,375.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,425.0	0.00	0.00	9,376.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,426.0	0.00	0.00	9,377.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,427.0	0.00	0.00	9,378.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,428.0	0.00	0.00	9,379.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,429.0	0.00	0.00	9,380.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,430.0	0.00	0.00	9,381.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,431.0	0.00	0.00	9,382.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,432.0	0.00	0.00	9,383.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,433.0	0.00	0.00	9,384.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,434.0	0.00	0.00	9,385.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,435.0	0.00	0.00	9,386.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,436.0	0.00	0.00	9,387.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,437.0	0.00	0.00	9,388.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,438.0	0.00	0.00	9,389.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,439.0	0.00	0.00	9,390.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,440.0	0.00	0.00	9,391.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,441.0	0.00	0.00	9,392.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,442.0	0.00	0.00	9,393.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,443.0	0.00	0.00	9,394.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,444.0	0.00	0.00	9,395.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,445.0	0.00	0.00	9,396.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,446.0	0.00	0.00	9,397.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,447.0	0.00	0.00	9,398.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,448.0	0.00	0.00	9,399.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,449.0	0.00	0.00	9,400.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,450.0	0.00	0.00	9,401.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,451.0	0.00	0.00	9,402.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,452.0	0.00	0.00	9,403.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,453.0	0.00	0.00	9,404.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,454.0	0.00	0.00	9,405.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,455.0	0.00	0.00	9,406.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,456.0	0.00	0.00	9,407.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,457.0	0.00	0.00	9,408.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,458.0	0.00	0.00	9,409.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,459.0	0.00	0.00	9,410.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,460.0	0.00	0.00	9,411.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,461.0	0.00	0.00	9,412.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,462.0	0.00	0.00	9,413.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,463.0	0.00	0.00	9,414.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,464.0	0.00	0.00	9,415.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,465.0	0.00	0.00	9,416.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,466.0	0.00	0.00	9,417.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,467.0	0.00	0.00	9,418.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,468.0	0.00	0.00	9,419.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,469.0	0.00	0.00	9,420.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,470.0	0.00	0.00	9,421.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,471.0	0.00	0.00	9,422.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,472.0	0.00	0.00	9,423.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,473.0	0.00	0.00	9,424.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,474.0	0.00	0.00	9,425.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,475.0	0.00	0.00	9,426.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,476.0	0.00	0.00	9,427.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,477.0	0.00	0.00	9,428.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,478.0	0.00	0.00	9,429.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,479.0	0.00	0.00	9,430.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,480.0	0.00	0.00	9,431.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,481.0	0.00	0.00	9,432.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,482.0	0.00	0.00	9,433.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,483.0	0.00	0.00	9,434.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,484.0	0.00	0.00	9,435.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,485.0	0.00	0.00	9,436.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,486.0	0.00	0.00	9,437.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,487.0	0.00	0.00	9,438.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,488.0	0.00	0.00	9,439.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,489.0	0.00	0.00	9,440.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,490.0	0.00	0.00	9,441.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,491.0	0.00	0.00	9,442.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,492.0	0.00	0.00	9,443.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,493.0	0.00	0.00	9,444.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,494.0	0.00	0.00	9,445.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,495.0	0.00	0.00	9,446.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,496.0	0.00	0.00	9,447.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,497.0	0.00	0.00	9,448.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,498.0	0.00	0.00	9,449.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,499.0	0.00	0.00	9,450.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,500.0	0.00	0.00	9,451.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,501.0	0.00	0.00	9,452.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,502.0	0.00	0.00	9,453.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,503.0	0.00	0.00	9,454.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,504.0	0.00	0.00	9,455.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,505.0	0.00	0.00	9,456.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,506.0	0.00	0.00	9,457.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,507.0	0.00	0.00	9,458.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,508.0	0.00	0.00	9,459.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,509.0	0.00	0.00	9,460.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,510.0	0.00	0.00	9,461.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,511.0	0.00	0.00	9,462.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,512.0	0.00	0.00	9,463.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,513.0	0.00	0.00	9,464.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,514.0	0.00	0.00	9,465.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,515.0	0.00	0.00	9,466.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,516.0	0.00	0.00	9,467.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,517.0	0.00	0.00	9,468.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,518.0	0.00	0.00	9,469.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,519.0	0.00	0.00	9,470.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,520.0	0.00	0.00	9,471.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,521.0	0.00	0.00	9,472.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,522.0	0.00	0.00	9,473.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,523.0	0.00	0.00	9,474.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,524.0	0.00	0.00	9,475.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,525.0	0.00	0.00	9,476.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,526.0	0.00	0.00	9,477.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,527.0	0.00	0.00	9,478.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,528.0	0.00	0.00	9,479.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,529.0	0.00	0.00	9,480.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,530.0	0.00	0.00	9,481.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,531.0	0.00	0.00	9,482.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,532.0	0.00	0.00	9,483.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,533.0	0.00	0.00	9,484.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,534.0	0.00	0.00	9,485.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,535.0	0.00	0.00	9,486.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,536.0	0.00	0.00	9,487.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,537.0	0.00	0.00	9,488.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,538.0	0.00	0.00	9,489.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,539.0	0.00	0.00	9,490.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,540.0	0.00	0.00	9,491.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,541.0	0.00	0.00	9,492.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,542.0	0.00	0.00	9,493.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,543.0	0.00	0.00	9,494.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,544.0	0.00	0.00	9,495.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,545.0	0.00	0.00	9,496.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,546.0	0.00	0.00	9,497.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,547.0	0.00	0.00	9,498.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,548.0	0.00	0.00	9,499.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,549.0	0.00	0.00	9,500.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,550.0	0.00	0.00	9,501.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,551.0	0.00	0.00	9,502.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,552.0	0.00	0.00	9,503.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,553.0	0.00	0.00	9,504.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
9,554.0	0.00	0.00	9,505.3	768.0	-220.0	-765.2	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,555.0	0.00	0.00	9,506.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,556.0	0.00	0.00	9,507.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,557.0	0.00	0.00	9,508.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,558.0	0.00	0.00	9,509.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,559.0	0.00	0.00	9,510.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,560.0	0.00	0.00	9,511.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,561.0	0.00	0.00	9,512.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,562.0	0.00	0.00	9,513.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,563.0	0.00	0.00	9,514.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,564.0	0.00	0.00	9,515.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,565.0	0.00	0.00	9,516.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,566.0	0.00	0.00	9,517.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,567.0	0.00	0.00	9,518.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,568.0	0.00	0.00	9,519.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,569.0	0.00	0.00	9,520.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,570.0	0.00	0.00	9,521.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,571.0	0.00	0.00	9,522.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,572.0	0.00	0.00	9,523.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,573.0	0.00	0.00	9,524.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,574.0	0.00	0.00	9,525.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,575.0	0.00	0.00	9,526.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,576.0	0.00	0.00	9,527.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,577.0	0.00	0.00	9,528.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,578.0	0.00	0.00	9,529.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,579.0	0.00	0.00	9,530.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,580.0	0.00	0.00	9,531.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,581.0	0.00	0.00	9,532.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,582.0	0.00	0.00	9,533.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,583.0	0.00	0.00	9,534.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,584.0	0.00	0.00	9,535.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,585.0	0.00	0.00	9,536.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,586.0	0.00	0.00	9,537.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,587.0	0.00	0.00	9,538.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,588.0	0.00	0.00	9,539.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,589.0	0.00	0.00	9,540.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,590.0	0.00	0.00	9,541.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,591.0	0.00	0.00	9,542.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,592.0	0.00	0.00	9,543.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,593.0	0.00	0.00	9,544.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,594.0	0.00	0.00	9,545.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,595.0	0.00	0.00	9,546.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,596.0	0.00	0.00	9,547.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,597.0	0.00	0.00	9,548.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,598.0	0.00	0.00	9,549.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,599.0	0.00	0.00	9,550.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,551.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,601.0	0.00	0.00	9,552.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,602.0	0.00	0.00	9,553.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,603.0	0.00	0.00	9,554.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,604.0	0.00	0.00	9,555.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,605.0	0.00	0.00	9,556.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,606.0	0.00	0.00	9,557.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,607.0	0.00	0.00	9,558.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,608.0	0.00	0.00	9,559.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,609.0	0.00	0.00	9,560.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,610.0	0.00	0.00	9,561.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,611.0	0.00	0.00	9,562.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,612.0	0.00	0.00	9,563.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,613.0	0.00	0.00	9,564.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,614.0	0.00	0.00	9,565.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,615.0	0.00	0.00	9,566.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,616.0	0.00	0.00	9,567.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,617.0	0.00	0.00	9,568.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,618.0	0.00	0.00	9,569.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,619.0	0.00	0.00	9,570.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,620.0	0.00	0.00	9,571.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,621.0	0.00	0.00	9,572.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,622.0	0.00	0.00	9,573.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,623.0	0.00	0.00	9,574.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,624.0	0.00	0.00	9,575.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,625.0	0.00	0.00	9,576.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,626.0	0.00	0.00	9,577.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,627.0	0.00	0.00	9,578.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,628.0	0.00	0.00	9,579.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,629.0	0.00	0.00	9,580.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,630.0	0.00	0.00	9,581.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,631.0	0.00	0.00	9,582.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,632.0	0.00	0.00	9,583.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,633.0	0.00	0.00	9,584.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,634.0	0.00	0.00	9,585.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,635.0	0.00	0.00	9,586.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,636.0	0.00	0.00	9,587.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,637.0	0.00	0.00	9,588.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,638.0	0.00	0.00	9,589.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,639.0	0.00	0.00	9,590.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,640.0	0.00	0.00	9,591.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,641.0	0.00	0.00	9,592.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,642.0	0.00	0.00	9,593.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,643.0	0.00	0.00	9,594.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,644.0	0.00	0.00	9,595.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,645.0	0.00	0.00	9,596.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,646.0	0.00	0.00	9,597.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,647.0	0.00	0.00	9,598.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,648.0	0.00	0.00	9,599.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,649.0	0.00	0.00	9,600.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,650.0	0.00	0.00	9,601.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,651.0	0.00	0.00	9,602.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,652.0	0.00	0.00	9,603.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,653.0	0.00	0.00	9,604.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,654.0	0.00	0.00	9,605.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,655.0	0.00	0.00	9,606.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,656.0	0.00	0.00	9,607.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,657.0	0.00	0.00	9,608.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,658.0	0.00	0.00	9,609.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,659.0	0.00	0.00	9,610.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,660.0	0.00	0.00	9,611.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,661.0	0.00	0.00	9,612.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,662.0	0.00	0.00	9,613.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,663.0	0.00	0.00	9,614.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,664.0	0.00	0.00	9,615.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,665.0	0.00	0.00	9,616.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,666.0	0.00	0.00	9,617.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,667.0	0.00	0.00	9,618.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,668.0	0.00	0.00	9,619.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,669.0	0.00	0.00	9,620.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,670.0	0.00	0.00	9,621.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,671.0	0.00	0.00	9,622.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,672.0	0.00	0.00	9,623.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,673.0	0.00	0.00	9,624.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,674.0	0.00	0.00	9,625.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,675.0	0.00	0.00	9,626.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,676.0	0.00	0.00	9,627.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,677.0	0.00	0.00	9,628.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,678.0	0.00	0.00	9,629.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,679.0	0.00	0.00	9,630.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,680.0	0.00	0.00	9,631.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,681.0	0.00	0.00	9,632.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,682.0	0.00	0.00	9,633.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,683.0	0.00	0.00	9,634.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,684.0	0.00	0.00	9,635.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,685.0	0.00	0.00	9,636.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,686.0	0.00	0.00	9,637.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,687.0	0.00	0.00	9,638.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,688.0	0.00	0.00	9,639.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,689.0	0.00	0.00	9,640.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,690.0	0.00	0.00	9,641.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,691.0	0.00	0.00	9,642.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,692.0	0.00	0.00	9,643.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,693.0	0.00	0.00	9,644.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,694.0	0.00	0.00	9,645.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,695.0	0.00	0.00	9,646.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,696.0	0.00	0.00	9,647.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,697.0	0.00	0.00	9,648.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,698.0	0.00	0.00	9,649.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,699.0	0.00	0.00	9,650.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,651.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,701.0	0.00	0.00	9,652.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,702.0	0.00	0.00	9,653.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,703.0	0.00	0.00	9,654.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,704.0	0.00	0.00	9,655.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,705.0	0.00	0.00	9,656.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,706.0	0.00	0.00	9,657.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,707.0	0.00	0.00	9,658.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,708.0	0.00	0.00	9,659.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,709.0	0.00	0.00	9,660.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,710.0	0.00	0.00	9,661.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,711.0	0.00	0.00	9,662.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,712.0	0.00	0.00	9,663.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,713.0	0.00	0.00	9,664.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,714.0	0.00	0.00	9,665.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,715.0	0.00	0.00	9,666.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,716.0	0.00	0.00	9,667.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,717.0	0.00	0.00	9,668.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,718.0	0.00	0.00	9,669.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,719.0	0.00	0.00	9,670.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,720.0	0.00	0.00	9,671.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,721.0	0.00	0.00	9,672.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,722.0	0.00	0.00	9,673.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,723.0	0.00	0.00	9,674.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,724.0	0.00	0.00	9,675.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,725.0	0.00	0.00	9,676.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,726.0	0.00	0.00	9,677.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,727.0	0.00	0.00	9,678.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,728.0	0.00	0.00	9,679.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,729.0	0.00	0.00	9,680.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,730.0	0.00	0.00	9,681.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,731.0	0.00	0.00	9,682.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,732.0	0.00	0.00	9,683.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,733.0	0.00	0.00	9,684.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,734.0	0.00	0.00	9,685.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,735.0	0.00	0.00	9,686.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,736.0	0.00	0.00	9,687.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,737.0	0.00	0.00	9,688.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,738.0	0.00	0.00	9,689.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,739.0	0.00	0.00	9,690.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,740.0	0.00	0.00	9,691.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,741.0	0.00	0.00	9,692.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,742.0	0.00	0.00	9,693.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,743.0	0.00	0.00	9,694.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,744.0	0.00	0.00	9,695.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,745.0	0.00	0.00	9,696.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,746.0	0.00	0.00	9,697.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,747.0	0.00	0.00	9,698.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,748.0	0.00	0.00	9,699.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,749.0	0.00	0.00	9,700.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,750.0	0.00	0.00	9,701.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,751.0	0.00	0.00	9,702.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,752.0	0.00	0.00	9,703.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,753.0	0.00	0.00	9,704.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,754.0	0.00	0.00	9,705.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,755.0	0.00	0.00	9,706.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,756.0	0.00	0.00	9,707.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,757.0	0.00	0.00	9,708.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,758.0	0.00	0.00	9,709.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,759.0	0.00	0.00	9,710.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,760.0	0.00	0.00	9,711.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,761.0	0.00	0.00	9,712.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,762.0	0.00	0.00	9,713.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,763.0	0.00	0.00	9,714.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,764.0	0.00	0.00	9,715.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,765.0	0.00	0.00	9,716.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,766.0	0.00	0.00	9,717.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,767.0	0.00	0.00	9,718.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,768.0	0.00	0.00	9,719.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,769.0	0.00	0.00	9,720.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,770.0	0.00	0.00	9,721.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,771.0	0.00	0.00	9,722.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,772.0	0.00	0.00	9,723.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,773.0	0.00	0.00	9,724.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,774.0	0.00	0.00	9,725.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,775.0	0.00	0.00	9,726.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,776.0	0.00	0.00	9,727.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,777.0	0.00	0.00	9,728.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,778.0	0.00	0.00	9,729.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,779.0	0.00	0.00	9,730.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,780.0	0.00	0.00	9,731.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,781.0	0.00	0.00	9,732.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,782.0	0.00	0.00	9,733.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,783.0	0.00	0.00	9,734.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,784.0	0.00	0.00	9,735.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,785.0	0.00	0.00	9,736.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,786.0	0.00	0.00	9,737.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,787.0	0.00	0.00	9,738.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,788.0	0.00	0.00	9,739.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,789.0	0.00	0.00	9,740.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,790.0	0.00	0.00	9,741.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,791.0	0.00	0.00	9,742.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,792.0	0.00	0.00	9,743.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,793.0	0.00	0.00	9,744.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,794.0	0.00	0.00	9,745.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,795.0	0.00	0.00	9,746.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,796.0	0.00	0.00	9,747.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,797.0	0.00	0.00	9,748.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,798.0	0.00	0.00	9,749.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,799.0	0.00	0.00	9,750.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,800.0	0.00	0.00	9,751.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,801.0	0.00	0.00	9,752.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,802.0	0.00	0.00	9,753.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,803.0	0.00	0.00	9,754.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,804.0	0.00	0.00	9,755.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,805.0	0.00	0.00	9,756.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,806.0	0.00	0.00	9,757.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,807.0	0.00	0.00	9,758.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,808.0	0.00	0.00	9,759.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,809.0	0.00	0.00	9,760.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,810.0	0.00	0.00	9,761.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,811.0	0.00	0.00	9,762.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,812.0	0.00	0.00	9,763.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,813.0	0.00	0.00	9,764.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,814.0	0.00	0.00	9,765.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,815.0	0.00	0.00	9,766.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,816.0	0.00	0.00	9,767.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,817.0	0.00	0.00	9,768.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,818.0	0.00	0.00	9,769.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,819.0	0.00	0.00	9,770.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,820.0	0.00	0.00	9,771.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,821.0	0.00	0.00	9,772.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,822.0	0.00	0.00	9,773.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,823.0	0.00	0.00	9,774.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,824.0	0.00	0.00	9,775.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,825.0	0.00	0.00	9,776.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,826.0	0.00	0.00	9,777.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,827.0	0.00	0.00	9,778.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,828.0	0.00	0.00	9,779.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,829.0	0.00	0.00	9,780.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,830.0	0.00	0.00	9,781.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,831.0	0.00	0.00	9,782.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,832.0	0.00	0.00	9,783.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,833.0	0.00	0.00	9,784.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,834.0	0.00	0.00	9,785.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,835.0	0.00	0.00	9,786.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,836.0	0.00	0.00	9,787.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,837.0	0.00	0.00	9,788.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,838.0	0.00	0.00	9,789.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,839.0	0.00	0.00	9,790.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,840.0	0.00	0.00	9,791.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,841.0	0.00	0.00	9,792.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,842.0	0.00	0.00	9,793.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,843.0	0.00	0.00	9,794.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,844.0	0.00	0.00	9,795.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,845.0	0.00	0.00	9,796.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,846.0	0.00	0.00	9,797.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,847.0	0.00	0.00	9,798.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,848.0	0.00	0.00	9,799.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,849.0	0.00	0.00	9,800.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,850.0	0.00	0.00	9,801.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,851.0	0.00	0.00	9,802.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,852.0	0.00	0.00	9,803.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,853.0	0.00	0.00	9,804.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,854.0	0.00	0.00	9,805.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,855.0	0.00	0.00	9,806.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,856.0	0.00	0.00	9,807.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,857.0	0.00	0.00	9,808.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,858.0	0.00	0.00	9,809.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,859.0	0.00	0.00	9,810.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,860.0	0.00	0.00	9,811.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,861.0	0.00	0.00	9,812.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,862.0	0.00	0.00	9,813.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,863.0	0.00	0.00	9,814.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,864.0	0.00	0.00	9,815.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,865.0	0.00	0.00	9,816.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,866.0	0.00	0.00	9,817.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,867.0	0.00	0.00	9,818.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,868.0	0.00	0.00	9,819.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,869.0	0.00	0.00	9,820.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,870.0	0.00	0.00	9,821.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,871.0	0.00	0.00	9,822.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,872.0	0.00	0.00	9,823.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,873.0	0.00	0.00	9,824.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,874.0	0.00	0.00	9,825.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,875.0	0.00	0.00	9,826.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,876.0	0.00	0.00	9,827.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,877.0	0.00	0.00	9,828.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,878.0	0.00	0.00	9,829.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,879.0	0.00	0.00	9,830.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,880.0	0.00	0.00	9,831.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,881.0	0.00	0.00	9,832.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,882.0	0.00	0.00	9,833.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,883.0	0.00	0.00	9,834.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,884.0	0.00	0.00	9,835.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,885.0	0.00	0.00	9,836.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,886.0	0.00	0.00	9,837.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,887.0	0.00	0.00	9,838.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,888.0	0.00	0.00	9,839.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,889.0	0.00	0.00	9,840.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,890.0	0.00	0.00	9,841.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,891.0	0.00	0.00	9,842.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,892.0	0.00	0.00	9,843.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,893.0	0.00	0.00	9,844.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,894.0	0.00	0.00	9,845.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,895.0	0.00	0.00	9,846.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,896.0	0.00	0.00	9,847.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,897.0	0.00	0.00	9,848.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,898.0	0.00	0.00	9,849.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,899.0	0.00	0.00	9,850.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,900.0	0.00	0.00	9,851.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,901.0	0.00	0.00	9,852.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,902.0	0.00	0.00	9,853.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,903.0	0.00	0.00	9,854.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,904.0	0.00	0.00	9,855.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,905.0	0.00	0.00	9,856.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,906.0	0.00	0.00	9,857.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,907.0	0.00	0.00	9,858.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,908.0	0.00	0.00	9,859.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,909.0	0.00	0.00	9,860.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,910.0	0.00	0.00	9,861.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,911.0	0.00	0.00	9,862.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,912.0	0.00	0.00	9,863.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,913.0	0.00	0.00	9,864.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,914.0	0.00	0.00	9,865.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,915.0	0.00	0.00	9,866.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,916.0	0.00	0.00	9,867.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,917.0	0.00	0.00	9,868.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,918.0	0.00	0.00	9,869.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,919.0	0.00	0.00	9,870.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,920.0	0.00	0.00	9,871.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,921.0	0.00	0.00	9,872.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,922.0	0.00	0.00	9,873.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,923.0	0.00	0.00	9,874.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,924.0	0.00	0.00	9,875.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,925.0	0.00	0.00	9,876.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,926.0	0.00	0.00	9,877.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,927.0	0.00	0.00	9,878.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,928.0	0.00	0.00	9,879.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,929.0	0.00	0.00	9,880.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,930.0	0.00	0.00	9,881.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,931.0	0.00	0.00	9,882.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,932.0	0.00	0.00	9,883.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,933.0	0.00	0.00	9,884.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,934.0	0.00	0.00	9,885.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,935.0	0.00	0.00	9,886.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,936.0	0.00	0.00	9,887.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,937.0	0.00	0.00	9,888.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,938.0	0.00	0.00	9,889.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,939.0	0.00	0.00	9,890.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,940.0	0.00	0.00	9,891.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,941.0	0.00	0.00	9,892.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,942.0	0.00	0.00	9,893.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,943.0	0.00	0.00	9,894.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,944.0	0.00	0.00	9,895.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,945.0	0.00	0.00	9,896.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,946.0	0.00	0.00	9,897.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,947.0	0.00	0.00	9,898.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,948.0	0.00	0.00	9,899.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,949.0	0.00	0.00	9,900.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,950.0	0.00	0.00	9,901.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,951.0	0.00	0.00	9,902.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,952.0	0.00	0.00	9,903.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,953.0	0.00	0.00	9,904.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,954.0	0.00	0.00	9,905.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,955.0	0.00	0.00	9,906.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,956.0	0.00	0.00	9,907.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,957.0	0.00	0.00	9,908.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,958.0	0.00	0.00	9,909.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,959.0	0.00	0.00	9,910.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,960.0	0.00	0.00	9,911.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,961.0	0.00	0.00	9,912.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,962.0	0.00	0.00	9,913.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,963.0	0.00	0.00	9,914.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,964.0	0.00	0.00	9,915.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,965.0	0.00	0.00	9,916.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,966.0	0.00	0.00	9,917.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,967.0	0.00	0.00	9,918.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,968.0	0.00	0.00	9,919.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,969.0	0.00	0.00	9,920.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,970.0	0.00	0.00	9,921.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,971.0	0.00	0.00	9,922.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,972.0	0.00	0.00	9,923.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,973.0	0.00	0.00	9,924.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,974.0	0.00	0.00	9,925.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,975.0	0.00	0.00	9,926.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,976.0	0.00	0.00	9,927.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,977.0	0.00	0.00	9,928.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,978.0	0.00	0.00	9,929.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,979.0	0.00	0.00	9,930.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,980.0	0.00	0.00	9,931.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,981.0	0.00	0.00	9,932.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,982.0	0.00	0.00	9,933.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,983.0	0.00	0.00	9,934.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,984.0	0.00	0.00	9,935.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,985.0	0.00	0.00	9,936.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,986.0	0.00	0.00	9,937.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,987.0	0.00	0.00	9,938.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,988.0	0.00	0.00	9,939.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,989.0	0.00	0.00	9,940.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,990.0	0.00	0.00	9,941.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,991.0	0.00	0.00	9,942.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,992.0	0.00	0.00	9,943.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,993.0	0.00	0.00	9,944.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,994.0	0.00	0.00	9,945.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,995.0	0.00	0.00	9,946.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,996.0	0.00	0.00	9,947.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,997.0	0.00	0.00	9,948.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,998.0	0.00	0.00	9,949.3	768.0	-220.0	-765.2	0.00	0.00	0.00
9,999.0	0.00	0.00	9,950.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,000.0	0.00	0.00	9,951.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,001.0	0.00	0.00	9,952.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,002.0	0.00	0.00	9,953.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,003.0	0.00	0.00	9,954.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,004.0	0.00	0.00	9,955.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,005.0	0.00	0.00	9,956.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,006.0	0.00	0.00	9,957.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,007.0	0.00	0.00	9,958.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,008.0	0.00	0.00	9,959.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,009.0	0.00	0.00	9,960.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,010.0	0.00	0.00	9,961.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,011.0	0.00	0.00	9,962.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,012.0	0.00	0.00	9,963.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,013.0	0.00	0.00	9,964.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,014.0	0.00	0.00	9,965.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,015.0	0.00	0.00	9,966.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,016.0	0.00	0.00	9,967.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,017.0	0.00	0.00	9,968.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,018.0	0.00	0.00	9,969.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,019.0	0.00	0.00	9,970.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,020.0	0.00	0.00	9,971.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,021.0	0.00	0.00	9,972.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,022.0	0.00	0.00	9,973.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,023.0	0.00	0.00	9,974.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,024.0	0.00	0.00	9,975.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,025.0	0.00	0.00	9,976.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,026.0	0.00	0.00	9,977.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,027.0	0.00	0.00	9,978.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,028.0	0.00	0.00	9,979.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,029.0	0.00	0.00	9,980.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,030.0	0.00	0.00	9,981.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,031.0	0.00	0.00	9,982.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,032.0	0.00	0.00	9,983.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,033.0	0.00	0.00	9,984.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,034.0	0.00	0.00	9,985.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,035.0	0.00	0.00	9,986.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,036.0	0.00	0.00	9,987.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,037.0	0.00	0.00	9,988.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,038.0	0.00	0.00	9,989.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,039.0	0.00	0.00	9,990.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,040.0	0.00	0.00	9,991.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,041.0	0.00	0.00	9,992.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,042.0	0.00	0.00	9,993.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,043.0	0.00	0.00	9,994.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,044.0	0.00	0.00	9,995.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,045.0	0.00	0.00	9,996.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,046.0	0.00	0.00	9,997.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,047.0	0.00	0.00	9,998.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,048.0	0.00	0.00	9,999.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,049.0	0.00	0.00	10,000.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,050.0	0.00	0.00	10,001.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,051.0	0.00	0.00	10,002.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,052.0	0.00	0.00	10,003.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,053.0	0.00	0.00	10,004.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,054.0	0.00	0.00	10,005.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,055.0	0.00	0.00	10,006.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,056.0	0.00	0.00	10,007.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,057.0	0.00	0.00	10,008.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,058.0	0.00	0.00	10,009.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,059.0	0.00	0.00	10,010.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,060.0	0.00	0.00	10,011.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,061.0	0.00	0.00	10,012.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,062.0	0.00	0.00	10,013.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,063.0	0.00	0.00	10,014.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,064.0	0.00	0.00	10,015.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,065.0	0.00	0.00	10,016.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,066.0	0.00	0.00	10,017.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,067.0	0.00	0.00	10,018.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,068.0	0.00	0.00	10,019.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,069.0	0.00	0.00	10,020.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,070.0	0.00	0.00	10,021.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,071.0	0.00	0.00	10,022.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,072.0	0.00	0.00	10,023.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,073.0	0.00	0.00	10,024.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,074.0	0.00	0.00	10,025.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,075.0	0.00	0.00	10,026.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,076.0	0.00	0.00	10,027.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,077.0	0.00	0.00	10,028.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,078.0	0.00	0.00	10,029.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,079.0	0.00	0.00	10,030.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,080.0	0.00	0.00	10,031.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,081.0	0.00	0.00	10,032.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,082.0	0.00	0.00	10,033.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,083.0	0.00	0.00	10,034.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,084.0	0.00	0.00	10,035.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,085.0	0.00	0.00	10,036.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,086.0	0.00	0.00	10,037.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,087.0	0.00	0.00	10,038.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,088.0	0.00	0.00	10,039.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,089.0	0.00	0.00	10,040.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,090.0	0.00	0.00	10,041.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,091.0	0.00	0.00	10,042.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,092.0	0.00	0.00	10,043.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,093.0	0.00	0.00	10,044.3	768.0	-220.0	-765.2	0.00	0.00	0.00	
10,094.0	0.00	0.00	10,045.3	768.0	-220.0	-765.2	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,095.0	0.00	0.00	10,046.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,096.0	0.00	0.00	10,047.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,097.0	0.00	0.00	10,048.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,098.0	0.00	0.00	10,049.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,099.0	0.00	0.00	10,050.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,100.0	0.00	0.00	10,051.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,101.0	0.00	0.00	10,052.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,102.0	0.00	0.00	10,053.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,103.0	0.00	0.00	10,054.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,104.0	0.00	0.00	10,055.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,105.0	0.00	0.00	10,056.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,106.0	0.00	0.00	10,057.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,107.0	0.00	0.00	10,058.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,108.0	0.00	0.00	10,059.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,109.0	0.00	0.00	10,060.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,110.0	0.00	0.00	10,061.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,111.0	0.00	0.00	10,062.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,112.0	0.00	0.00	10,063.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,113.0	0.00	0.00	10,064.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,114.0	0.00	0.00	10,065.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,115.0	0.00	0.00	10,066.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,116.0	0.00	0.00	10,067.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,117.0	0.00	0.00	10,068.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,118.0	0.00	0.00	10,069.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,119.0	0.00	0.00	10,070.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,120.0	0.00	0.00	10,071.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,121.0	0.00	0.00	10,072.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,122.0	0.00	0.00	10,073.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,123.0	0.00	0.00	10,074.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,124.0	0.00	0.00	10,075.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,125.0	0.00	0.00	10,076.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,126.0	0.00	0.00	10,077.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,127.0	0.00	0.00	10,078.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,128.0	0.00	0.00	10,079.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,129.0	0.00	0.00	10,080.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,130.0	0.00	0.00	10,081.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,131.0	0.00	0.00	10,082.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,132.0	0.00	0.00	10,083.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,133.0	0.00	0.00	10,084.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,134.0	0.00	0.00	10,085.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,135.0	0.00	0.00	10,086.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,136.0	0.00	0.00	10,087.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,137.0	0.00	0.00	10,088.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,138.0	0.00	0.00	10,089.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,139.0	0.00	0.00	10,090.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,140.0	0.00	0.00	10,091.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,141.0	0.00	0.00	10,092.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,142.0	0.00	0.00	10,093.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,143.0	0.00	0.00	10,094.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,144.0	0.00	0.00	10,095.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,145.0	0.00	0.00	10,096.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,146.0	0.00	0.00	10,097.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,147.0	0.00	0.00	10,098.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,148.0	0.00	0.00	10,099.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
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Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,149.0	0.00	0.00	10,100.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,150.0	0.00	0.00	10,101.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,151.0	0.00	0.00	10,102.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,152.0	0.00	0.00	10,103.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,153.0	0.00	0.00	10,104.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,154.0	0.00	0.00	10,105.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,155.0	0.00	0.00	10,106.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,156.0	0.00	0.00	10,107.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,157.0	0.00	0.00	10,108.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,158.0	0.00	0.00	10,109.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,159.0	0.00	0.00	10,110.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,160.0	0.00	0.00	10,111.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,161.0	0.00	0.00	10,112.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,162.0	0.00	0.00	10,113.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,163.0	0.00	0.00	10,114.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,164.0	0.00	0.00	10,115.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,165.0	0.00	0.00	10,116.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,166.0	0.00	0.00	10,117.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,167.0	0.00	0.00	10,118.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,168.0	0.00	0.00	10,119.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,169.0	0.00	0.00	10,120.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,170.0	0.00	0.00	10,121.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,171.0	0.00	0.00	10,122.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,172.0	0.00	0.00	10,123.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,173.0	0.00	0.00	10,124.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,174.0	0.00	0.00	10,125.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,175.0	0.00	0.00	10,126.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,176.0	0.00	0.00	10,127.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,177.0	0.00	0.00	10,128.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,178.0	0.00	0.00	10,129.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,179.0	0.00	0.00	10,130.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,180.0	0.00	0.00	10,131.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,181.0	0.00	0.00	10,132.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,182.0	0.00	0.00	10,133.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,183.0	0.00	0.00	10,134.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,184.0	0.00	0.00	10,135.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,185.0	0.00	0.00	10,136.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,186.0	0.00	0.00	10,137.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,187.0	0.00	0.00	10,138.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,188.0	0.00	0.00	10,139.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,189.0	0.00	0.00	10,140.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,190.0	0.00	0.00	10,141.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,191.0	0.00	0.00	10,142.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,192.0	0.00	0.00	10,143.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,193.0	0.00	0.00	10,144.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,194.0	0.00	0.00	10,145.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,195.0	0.00	0.00	10,146.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,196.0	0.00	0.00	10,147.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,197.0	0.00	0.00	10,148.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,198.0	0.00	0.00	10,149.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,199.0	0.00	0.00	10,150.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,200.0	0.00	0.00	10,151.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,201.0	0.00	0.00	10,152.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,202.0	0.00	0.00	10,153.3	768.0	-220.0	-765.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,203.0	0.00	0.00	10,154.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,204.0	0.00	0.00	10,155.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,205.0	0.00	0.00	10,156.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,206.0	0.00	0.00	10,157.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,207.0	0.00	0.00	10,158.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,208.0	0.00	0.00	10,159.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,209.0	0.00	0.00	10,160.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,210.0	0.00	0.00	10,161.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,211.0	0.00	0.00	10,162.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,212.0	0.00	0.00	10,163.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,213.0	0.00	0.00	10,164.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,214.0	0.00	0.00	10,165.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,215.0	0.00	0.00	10,166.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,216.0	0.00	0.00	10,167.3	768.0	-220.0	-765.2	0.00	0.00	0.00
10,216.2	0.00	0.00	10,167.5	768.0	-220.0	-765.2	0.00	0.00	0.00
10,217.0	0.09	180.00	10,168.3	768.0	-220.0	-765.2	12.00	12.00	0.00
10,218.0	0.21	180.00	10,169.3	768.0	-220.0	-765.2	12.00	12.00	0.00
10,219.0	0.33	180.00	10,170.3	768.0	-220.0	-765.2	12.00	12.00	0.00
10,220.0	0.45	180.00	10,171.3	768.0	-220.0	-765.2	12.00	12.00	0.00
10,221.0	0.57	180.00	10,172.3	768.0	-220.0	-765.2	12.00	12.00	0.00
10,222.0	0.69	180.00	10,173.3	768.0	-220.0	-765.1	12.00	12.00	0.00
10,223.0	0.81	180.00	10,174.3	768.0	-220.0	-765.1	12.00	12.00	0.00
10,224.0	0.93	180.00	10,175.3	767.9	-220.0	-765.1	12.00	12.00	0.00
10,225.0	1.05	180.00	10,176.3	767.9	-220.0	-765.1	12.00	12.00	0.00
10,226.0	1.17	180.00	10,177.3	767.9	-220.0	-765.1	12.00	12.00	0.00
10,227.0	1.29	180.00	10,178.3	767.9	-220.0	-765.1	12.00	12.00	0.00
10,228.0	1.41	180.00	10,179.3	767.9	-220.0	-765.0	12.00	12.00	0.00
10,229.0	1.53	180.00	10,180.3	767.8	-220.0	-765.0	12.00	12.00	0.00
10,230.0	1.65	180.00	10,181.3	767.8	-220.0	-765.0	12.00	12.00	0.00
10,231.0	1.77	180.00	10,182.3	767.8	-220.0	-764.9	12.00	12.00	0.00
10,232.0	1.89	180.00	10,183.3	767.7	-220.0	-764.9	12.00	12.00	0.00
10,233.0	2.01	180.00	10,184.3	767.7	-220.0	-764.9	12.00	12.00	0.00
10,234.0	2.13	180.00	10,185.3	767.7	-220.0	-764.8	12.00	12.00	0.00
10,235.0	2.25	180.00	10,186.3	767.6	-220.0	-764.8	12.00	12.00	0.00
10,236.0	2.37	180.00	10,187.3	767.6	-220.0	-764.8	12.00	12.00	0.00
10,237.0	2.49	180.00	10,188.3	767.5	-220.0	-764.7	12.00	12.00	0.00
10,238.0	2.61	180.00	10,189.3	767.5	-220.0	-764.7	12.00	12.00	0.00
10,239.0	2.73	180.00	10,190.3	767.5	-220.0	-764.6	12.00	12.00	0.00
10,240.0	2.85	180.00	10,191.3	767.4	-220.0	-764.6	12.00	12.00	0.00
10,241.0	2.97	180.00	10,192.3	767.4	-220.0	-764.5	12.00	12.00	0.00
10,242.0	3.09	180.00	10,193.3	767.3	-220.0	-764.5	12.00	12.00	0.00
10,243.0	3.21	180.00	10,194.3	767.2	-220.0	-764.4	12.00	12.00	0.00
10,244.0	3.33	180.00	10,195.3	767.2	-220.0	-764.4	12.00	12.00	0.00
10,245.0	3.45	180.00	10,196.3	767.1	-220.0	-764.3	12.00	12.00	0.00
10,246.0	3.57	180.00	10,197.3	767.1	-220.0	-764.2	12.00	12.00	0.00
10,247.0	3.69	180.00	10,198.3	767.0	-220.0	-764.2	12.00	12.00	0.00
10,248.0	3.81	180.00	10,199.3	766.9	-220.0	-764.1	12.00	12.00	0.00
10,249.0	3.93	180.00	10,200.3	766.9	-220.0	-764.1	12.00	12.00	0.00
10,250.0	4.05	180.00	10,201.2	766.8	-220.0	-764.0	12.00	12.00	0.00
10,251.0	4.17	180.00	10,202.2	766.7	-220.0	-763.9	12.00	12.00	0.00
10,252.0	4.29	180.00	10,203.2	766.7	-220.0	-763.8	12.00	12.00	0.00
10,253.0	4.41	180.00	10,204.2	766.6	-220.0	-763.8	12.00	12.00	0.00
10,254.0	4.53	180.00	10,205.2	766.5	-220.0	-763.7	12.00	12.00	0.00
10,255.0	4.65	180.00	10,206.2	766.4	-220.0	-763.6	12.00	12.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,256.0	4.77	180.00	10,207.2	766.3	-220.0	-763.5	12.00	12.00	0.00
10,257.0	4.89	180.00	10,208.2	766.3	-220.0	-763.4	12.00	12.00	0.00
10,258.0	5.01	180.00	10,209.2	766.2	-220.0	-763.3	12.00	12.00	0.00
10,259.0	5.13	180.00	10,210.2	766.1	-220.0	-763.3	12.00	12.00	0.00
10,260.0	5.25	180.00	10,211.2	766.0	-220.0	-763.2	12.00	12.00	0.00
10,261.0	5.37	180.00	10,212.2	765.9	-220.0	-763.1	12.00	12.00	0.00
10,262.0	5.49	180.00	10,213.2	765.8	-220.0	-763.0	12.00	12.00	0.00
10,263.0	5.61	180.00	10,214.2	765.7	-220.0	-762.9	12.00	12.00	0.00
10,264.0	5.73	180.00	10,215.2	765.6	-220.0	-762.8	12.00	12.00	0.00
10,265.0	5.85	180.00	10,216.2	765.5	-220.0	-762.7	12.00	12.00	0.00
10,266.0	5.97	180.00	10,217.2	765.4	-220.0	-762.6	12.00	12.00	0.00
10,267.0	6.09	180.00	10,218.2	765.3	-220.0	-762.5	12.00	12.00	0.00
10,268.0	6.21	180.00	10,219.2	765.2	-220.0	-762.4	12.00	12.00	0.00
10,269.0	6.33	180.00	10,220.2	765.1	-220.0	-762.3	12.00	12.00	0.00
10,270.0	6.45	180.00	10,221.2	765.0	-220.0	-762.1	12.00	12.00	0.00
10,271.0	6.57	180.00	10,222.2	764.9	-220.0	-762.0	12.00	12.00	0.00
10,272.0	6.69	180.00	10,223.1	764.7	-220.0	-761.9	12.00	12.00	0.00
10,273.0	6.81	180.00	10,224.1	764.6	-220.0	-761.8	12.00	12.00	0.00
10,274.0	6.93	180.00	10,225.1	764.5	-220.0	-761.7	12.00	12.00	0.00
10,275.0	7.05	180.00	10,226.1	764.4	-220.0	-761.6	12.00	12.00	0.00
10,276.0	7.17	180.00	10,227.1	764.3	-220.0	-761.4	12.00	12.00	0.00
10,277.0	7.29	180.00	10,228.1	764.1	-220.0	-761.3	12.00	12.00	0.00
10,278.0	7.41	180.00	10,229.1	764.0	-220.0	-761.2	12.00	12.00	0.00
10,279.0	7.53	180.00	10,230.1	763.9	-220.0	-761.1	12.00	12.00	0.00
10,280.0	7.65	180.00	10,231.1	763.7	-220.0	-760.9	12.00	12.00	0.00
10,281.0	7.77	180.00	10,232.1	763.6	-220.0	-760.8	12.00	12.00	0.00
10,282.0	7.89	180.00	10,233.1	763.5	-220.0	-760.7	12.00	12.00	0.00
10,283.0	8.01	180.00	10,234.1	763.3	-220.0	-760.5	12.00	12.00	0.00
10,284.0	8.13	180.00	10,235.0	763.2	-220.0	-760.4	12.00	12.00	0.00
10,285.0	8.25	180.00	10,236.0	763.1	-220.0	-760.2	12.00	12.00	0.00
10,286.0	8.37	180.00	10,237.0	762.9	-220.0	-760.1	12.00	12.00	0.00
10,287.0	8.49	180.00	10,238.0	762.8	-220.0	-759.9	12.00	12.00	0.00
10,288.0	8.61	180.00	10,239.0	762.6	-220.0	-759.8	12.00	12.00	0.00
10,289.0	8.73	180.00	10,240.0	762.5	-220.0	-759.6	12.00	12.00	0.00
10,290.0	8.85	180.00	10,241.0	762.3	-220.0	-759.5	12.00	12.00	0.00
10,291.0	8.97	180.00	10,242.0	762.2	-220.0	-759.3	12.00	12.00	0.00
10,292.0	9.09	180.00	10,243.0	762.0	-220.0	-759.2	12.00	12.00	0.00
10,293.0	9.21	180.00	10,243.9	761.8	-220.0	-759.0	12.00	12.00	0.00
10,294.0	9.33	180.00	10,244.9	761.7	-220.0	-758.9	12.00	12.00	0.00
10,295.0	9.45	180.00	10,245.9	761.5	-220.0	-758.7	12.00	12.00	0.00
10,296.0	9.57	180.00	10,246.9	761.4	-220.0	-758.5	12.00	12.00	0.00
10,297.0	9.69	180.00	10,247.9	761.2	-220.0	-758.4	12.00	12.00	0.00
10,298.0	9.81	180.00	10,248.9	761.0	-220.0	-758.2	12.00	12.00	0.00
10,299.0	9.93	180.00	10,249.9	760.8	-220.0	-758.0	12.00	12.00	0.00
10,300.0	10.05	180.00	10,250.8	760.7	-220.0	-757.8	12.00	12.00	0.00
10,301.0	10.17	180.00	10,251.8	760.5	-220.0	-757.7	12.00	12.00	0.00
10,302.0	10.29	180.00	10,252.8	760.3	-220.0	-757.5	12.00	12.00	0.00
10,303.0	10.41	180.00	10,253.8	760.1	-220.0	-757.3	12.00	12.00	0.00
10,304.0	10.53	180.00	10,254.8	760.0	-220.0	-757.1	12.00	12.00	0.00
10,305.0	10.65	180.00	10,255.8	759.8	-220.0	-756.9	12.00	12.00	0.00
10,306.0	10.77	180.00	10,256.7	759.6	-220.0	-756.8	12.00	12.00	0.00
10,307.0	10.89	180.00	10,257.7	759.4	-220.0	-756.6	12.00	12.00	0.00
10,308.0	11.01	180.00	10,258.7	759.2	-220.0	-756.4	12.00	12.00	0.00
10,309.0	11.13	180.00	10,259.7	759.0	-220.0	-756.2	12.00	12.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,310.0	11.25	180.00	10,260.7	758.8	-220.0	-756.0	12.00	12.00	0.00	
10,311.0	11.37	180.00	10,261.7	758.6	-220.0	-755.8	12.00	12.00	0.00	
10,312.0	11.49	180.00	10,262.6	758.4	-220.0	-755.6	12.00	12.00	0.00	
10,313.0	11.61	180.00	10,263.6	758.2	-220.0	-755.4	12.00	12.00	0.00	
10,314.0	11.73	180.00	10,264.6	758.0	-220.0	-755.2	12.00	12.00	0.00	
10,315.0	11.85	180.00	10,265.6	757.8	-220.0	-755.0	12.00	12.00	0.00	
10,316.0	11.97	180.00	10,266.6	757.6	-220.0	-754.8	12.00	12.00	0.00	
10,317.0	12.09	180.00	10,267.5	757.4	-220.0	-754.6	12.00	12.00	0.00	
10,318.0	12.21	180.00	10,268.5	757.2	-220.0	-754.4	12.00	12.00	0.00	
10,319.0	12.33	180.00	10,269.5	757.0	-220.0	-754.2	12.00	12.00	0.00	
10,320.0	12.45	180.00	10,270.5	756.8	-220.0	-753.9	12.00	12.00	0.00	
10,321.0	12.57	180.00	10,271.4	756.5	-220.0	-753.7	12.00	12.00	0.00	
10,322.0	12.69	180.00	10,272.4	756.3	-220.0	-753.5	12.00	12.00	0.00	
10,323.0	12.81	180.00	10,273.4	756.1	-220.0	-753.3	12.00	12.00	0.00	
10,324.0	12.93	180.00	10,274.4	755.9	-220.0	-753.1	12.00	12.00	0.00	
10,325.0	13.05	180.00	10,275.3	755.7	-220.0	-752.8	12.00	12.00	0.00	
10,326.0	13.17	180.00	10,276.3	755.4	-220.0	-752.6	12.00	12.00	0.00	
10,327.0	13.29	180.00	10,277.3	755.2	-220.0	-752.4	12.00	12.00	0.00	
10,328.0	13.41	180.00	10,278.3	755.0	-220.0	-752.2	12.00	12.00	0.00	
10,329.0	13.53	180.00	10,279.2	754.7	-220.0	-751.9	12.00	12.00	0.00	
10,330.0	13.65	180.00	10,280.2	754.5	-220.0	-751.7	12.00	12.00	0.00	
10,331.0	13.77	180.00	10,281.2	754.3	-220.0	-751.4	12.00	12.00	0.00	
10,332.0	13.89	180.00	10,282.1	754.0	-220.0	-751.2	12.00	12.00	0.00	
10,333.0	14.01	180.00	10,283.1	753.8	-220.0	-751.0	12.00	12.00	0.00	
10,334.0	14.13	180.00	10,284.1	753.5	-220.0	-750.7	12.00	12.00	0.00	
10,335.0	14.25	180.00	10,285.1	753.3	-220.0	-750.5	12.00	12.00	0.00	
10,336.0	14.37	180.00	10,286.0	753.1	-220.0	-750.2	12.00	12.00	0.00	
10,337.0	14.49	180.00	10,287.0	752.8	-220.0	-750.0	12.00	12.00	0.00	
10,338.0	14.61	180.00	10,288.0	752.6	-220.0	-749.7	12.00	12.00	0.00	
10,339.0	14.73	180.00	10,288.9	752.3	-220.0	-749.5	12.00	12.00	0.00	
10,340.0	14.85	180.00	10,289.9	752.0	-220.0	-749.2	12.00	12.00	0.00	
10,341.0	14.97	180.00	10,290.9	751.8	-220.0	-749.0	12.00	12.00	0.00	
10,342.0	15.09	180.00	10,291.8	751.5	-220.0	-748.7	12.00	12.00	0.00	
10,343.0	15.21	180.00	10,292.8	751.3	-220.0	-748.4	12.00	12.00	0.00	
10,344.0	15.33	180.00	10,293.8	751.0	-220.0	-748.2	12.00	12.00	0.00	
10,345.0	15.45	180.00	10,294.7	750.7	-220.0	-747.9	12.00	12.00	0.00	
10,346.0	15.57	180.00	10,295.7	750.5	-220.0	-747.6	12.00	12.00	0.00	
10,347.0	15.69	180.00	10,296.6	750.2	-220.0	-747.4	12.00	12.00	0.00	
10,348.0	15.81	180.00	10,297.6	749.9	-220.0	-747.1	12.00	12.00	0.00	
10,349.0	15.93	180.00	10,298.6	749.7	-220.0	-746.8	12.00	12.00	0.00	
10,350.0	16.05	180.00	10,299.5	749.4	-220.0	-746.6	12.00	12.00	0.00	
10,351.0	16.17	180.00	10,300.5	749.1	-220.0	-746.3	12.00	12.00	0.00	
10,352.0	16.29	180.00	10,301.5	748.8	-220.0	-746.0	12.00	12.00	0.00	
10,353.0	16.41	180.00	10,302.4	748.5	-220.0	-745.7	12.00	12.00	0.00	
10,354.0	16.53	180.00	10,303.4	748.3	-220.0	-745.4	12.00	12.00	0.00	
10,355.0	16.65	180.00	10,304.3	748.0	-220.0	-745.1	12.00	12.00	0.00	
10,356.0	16.77	180.00	10,305.3	747.7	-220.0	-744.9	12.00	12.00	0.00	
10,357.0	16.90	180.00	10,306.2	747.4	-220.0	-744.6	12.00	12.00	0.00	
10,358.0	17.02	180.00	10,307.2	747.1	-220.0	-744.3	12.00	12.00	0.00	
10,359.0	17.14	180.00	10,308.2	746.8	-220.0	-744.0	12.00	12.00	0.00	
10,360.0	17.26	180.00	10,309.1	746.5	-220.0	-743.7	12.00	12.00	0.00	
10,361.0	17.38	180.00	10,310.1	746.2	-220.0	-743.4	12.00	12.00	0.00	
10,362.0	17.50	180.00	10,311.0	745.9	-220.0	-743.1	12.00	12.00	0.00	
10,363.0	17.62	180.00	10,312.0	745.6	-220.0	-742.8	12.00	12.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,364.0	17.74	180.00	10,312.9	745.3	-220.0	-742.5	12.00	12.00	0.00	
10,365.0	17.86	180.00	10,313.9	745.0	-220.0	-742.2	12.00	12.00	0.00	
10,366.0	17.98	180.00	10,314.8	744.7	-220.0	-741.9	12.00	12.00	0.00	
10,367.0	18.10	180.00	10,315.8	744.4	-220.0	-741.6	12.00	12.00	0.00	
10,368.0	18.22	180.00	10,316.7	744.1	-220.0	-741.3	12.00	12.00	0.00	
10,369.0	18.34	180.00	10,317.7	743.8	-220.0	-740.9	12.00	12.00	0.00	
10,370.0	18.46	180.00	10,318.6	743.4	-220.0	-740.6	12.00	12.00	0.00	
10,371.0	18.58	180.00	10,319.6	743.1	-220.0	-740.3	12.00	12.00	0.00	
10,372.0	18.70	180.00	10,320.5	742.8	-220.0	-740.0	12.00	12.00	0.00	
10,373.0	18.82	180.00	10,321.5	742.5	-220.0	-739.7	12.00	12.00	0.00	
10,374.0	18.94	180.00	10,322.4	742.2	-220.0	-739.3	12.00	12.00	0.00	
10,375.0	19.06	180.00	10,323.4	741.8	-220.0	-739.0	12.00	12.00	0.00	
10,376.0	19.18	180.00	10,324.3	741.5	-220.0	-738.7	12.00	12.00	0.00	
10,377.0	19.30	180.00	10,325.3	741.2	-220.0	-738.4	12.00	12.00	0.00	
10,378.0	19.42	180.00	10,326.2	740.9	-220.0	-738.0	12.00	12.00	0.00	
10,379.0	19.54	180.00	10,327.1	740.5	-220.0	-737.7	12.00	12.00	0.00	
10,380.0	19.66	180.00	10,328.1	740.2	-220.0	-737.4	12.00	12.00	0.00	
10,381.0	19.78	180.00	10,329.0	739.8	-220.0	-737.0	12.00	12.00	0.00	
10,382.0	19.90	180.00	10,330.0	739.5	-220.0	-736.7	12.00	12.00	0.00	
10,383.0	20.02	180.00	10,330.9	739.2	-220.0	-736.3	12.00	12.00	0.00	
10,384.0	20.14	180.00	10,331.8	738.8	-220.0	-736.0	12.00	12.00	0.00	
10,385.0	20.26	180.00	10,332.8	738.5	-220.0	-735.7	12.00	12.00	0.00	
10,386.0	20.38	180.00	10,333.7	738.1	-220.0	-735.3	12.00	12.00	0.00	
10,387.0	20.50	180.00	10,334.7	737.8	-220.0	-735.0	12.00	12.00	0.00	
10,388.0	20.62	180.00	10,335.6	737.4	-220.0	-734.6	12.00	12.00	0.00	
10,389.0	20.74	180.00	10,336.5	737.1	-220.0	-734.3	12.00	12.00	0.00	
10,390.0	20.86	180.00	10,337.5	736.7	-220.0	-733.9	12.00	12.00	0.00	
10,391.0	20.98	180.00	10,338.4	736.4	-220.0	-733.5	12.00	12.00	0.00	
10,392.0	21.10	180.00	10,339.3	736.0	-220.0	-733.2	12.00	12.00	0.00	
10,393.0	21.22	180.00	10,340.3	735.6	-220.0	-732.8	12.00	12.00	0.00	
10,394.0	21.34	180.00	10,341.2	735.3	-220.0	-732.5	12.00	12.00	0.00	
10,395.0	21.46	180.00	10,342.1	734.9	-220.0	-732.1	12.00	12.00	0.00	
10,396.0	21.58	180.00	10,343.1	734.5	-220.0	-731.7	12.00	12.00	0.00	
10,397.0	21.70	180.00	10,344.0	734.2	-220.0	-731.4	12.00	12.00	0.00	
10,398.0	21.82	180.00	10,344.9	733.8	-220.0	-731.0	12.00	12.00	0.00	
10,399.0	21.94	180.00	10,345.8	733.4	-220.0	-730.6	12.00	12.00	0.00	
10,400.0	22.06	180.00	10,346.8	733.1	-220.0	-730.2	12.00	12.00	0.00	
10,401.0	22.18	180.00	10,347.7	732.7	-220.0	-729.9	12.00	12.00	0.00	
10,402.0	22.30	180.00	10,348.6	732.3	-220.0	-729.5	12.00	12.00	0.00	
10,403.0	22.42	180.00	10,349.5	731.9	-220.0	-729.1	12.00	12.00	0.00	
10,404.0	22.54	180.00	10,350.5	731.5	-220.0	-728.7	12.00	12.00	0.00	
10,405.0	22.66	180.00	10,351.4	731.2	-220.0	-728.3	12.00	12.00	0.00	
10,406.0	22.78	180.00	10,352.3	730.8	-220.0	-728.0	12.00	12.00	0.00	
10,407.0	22.90	180.00	10,353.2	730.4	-220.0	-727.6	12.00	12.00	0.00	
10,408.0	23.02	180.00	10,354.2	730.0	-220.0	-727.2	12.00	12.00	0.00	
10,409.0	23.14	180.00	10,355.1	729.6	-220.0	-726.8	12.00	12.00	0.00	
10,410.0	23.26	180.00	10,356.0	729.2	-220.0	-726.4	12.00	12.00	0.00	
10,411.0	23.38	180.00	10,356.9	728.8	-220.0	-726.0	12.00	12.00	0.00	
10,412.0	23.50	180.00	10,357.8	728.4	-220.0	-725.6	12.00	12.00	0.00	
10,413.0	23.62	180.00	10,358.8	728.0	-220.0	-725.2	12.00	12.00	0.00	
10,414.0	23.74	180.00	10,359.7	727.6	-220.0	-724.8	12.00	12.00	0.00	
10,415.0	23.86	180.00	10,360.6	727.2	-220.0	-724.4	12.00	12.00	0.00	
10,416.0	23.98	180.00	10,361.5	726.8	-220.0	-724.0	12.00	12.00	0.00	
10,417.0	24.10	180.00	10,362.4	726.4	-220.0	-723.6	12.00	12.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,418.0	24.22	180.00	10,363.3	726.0	-220.0	-723.2	12.00	12.00	0.00	
10,419.0	24.34	180.00	10,364.2	725.6	-220.0	-722.8	12.00	12.00	0.00	
10,420.0	24.46	180.00	10,365.1	725.2	-220.0	-722.3	12.00	12.00	0.00	
10,421.0	24.58	180.00	10,366.1	724.8	-220.0	-721.9	12.00	12.00	0.00	
10,422.0	24.70	180.00	10,367.0	724.3	-220.0	-721.5	12.00	12.00	0.00	
10,423.0	24.82	180.00	10,367.9	723.9	-220.0	-721.1	12.00	12.00	0.00	
10,424.0	24.94	180.00	10,368.8	723.5	-220.0	-720.7	12.00	12.00	0.00	
10,425.0	25.06	180.00	10,369.7	723.1	-220.0	-720.3	12.00	12.00	0.00	
10,426.0	25.18	180.00	10,370.6	722.6	-220.0	-719.8	12.00	12.00	0.00	
10,427.0	25.30	180.00	10,371.5	722.2	-220.0	-719.4	12.00	12.00	0.00	
10,428.0	25.42	180.00	10,372.4	721.8	-220.0	-719.0	12.00	12.00	0.00	
10,429.0	25.54	180.00	10,373.3	721.4	-220.0	-718.5	12.00	12.00	0.00	
10,430.0	25.66	180.00	10,374.2	720.9	-220.0	-718.1	12.00	12.00	0.00	
10,431.0	25.78	180.00	10,375.1	720.5	-220.0	-717.7	12.00	12.00	0.00	
10,432.0	25.90	180.00	10,376.0	720.1	-220.0	-717.2	12.00	12.00	0.00	
10,433.0	26.02	180.00	10,376.9	719.6	-220.0	-716.8	12.00	12.00	0.00	
10,434.0	26.14	180.00	10,377.8	719.2	-220.0	-716.4	12.00	12.00	0.00	
10,435.0	26.26	180.00	10,378.7	718.7	-220.0	-715.9	12.00	12.00	0.00	
10,436.0	26.38	180.00	10,379.6	718.3	-220.0	-715.5	12.00	12.00	0.00	
10,436.7	26.46	180.00	10,380.2	718.0	-220.0	-715.2	12.00	12.00	0.00	
10,437.0	26.50	180.00	10,380.5	717.9	-220.0	-715.0	12.00	12.00	-0.30	
10,438.0	26.62	180.00	10,381.4	717.4	-220.0	-714.6	12.00	12.00	-0.30	
10,439.0	26.74	179.99	10,382.3	717.0	-220.0	-714.1	12.00	12.00	-0.30	
10,440.0	26.86	179.99	10,383.2	716.5	-220.0	-713.7	12.00	12.00	-0.29	
10,441.0	26.98	179.99	10,384.1	716.1	-220.0	-713.2	12.00	12.00	-0.29	
10,442.0	27.10	179.98	10,385.0	715.6	-220.0	-712.8	12.00	12.00	-0.29	
10,443.0	27.22	179.98	10,385.8	715.1	-220.0	-712.3	12.00	12.00	-0.29	
10,444.0	27.34	179.98	10,386.7	714.7	-220.0	-711.9	12.00	12.00	-0.28	
10,445.0	27.46	179.98	10,387.6	714.2	-220.0	-711.4	12.00	12.00	-0.28	
10,446.0	27.58	179.97	10,388.5	713.8	-220.0	-710.9	12.00	12.00	-0.28	
10,447.0	27.70	179.97	10,389.4	713.3	-220.0	-710.5	12.00	12.00	-0.28	
10,448.0	27.82	179.97	10,390.3	712.8	-220.0	-710.0	12.00	12.00	-0.27	
10,449.0	27.94	179.96	10,391.2	712.4	-220.0	-709.5	12.00	12.00	-0.27	
10,450.0	28.06	179.96	10,392.0	711.9	-220.0	-709.1	12.00	12.00	-0.27	
10,451.0	28.18	179.96	10,392.9	711.4	-220.0	-708.6	12.00	12.00	-0.27	
10,452.0	28.30	179.96	10,393.8	711.0	-220.0	-708.1	12.00	12.00	-0.27	
10,453.0	28.42	179.95	10,394.7	710.5	-220.0	-707.7	12.00	12.00	-0.26	
10,454.0	28.54	179.95	10,395.6	710.0	-220.0	-707.2	12.00	12.00	-0.26	
10,455.0	28.66	179.95	10,396.4	709.5	-220.0	-706.7	12.00	12.00	-0.26	
10,456.0	28.78	179.95	10,397.3	709.0	-220.0	-706.2	12.00	12.00	-0.26	
10,457.0	28.90	179.94	10,398.2	708.6	-220.0	-705.7	12.00	12.00	-0.26	
10,458.0	29.02	179.94	10,399.1	708.1	-220.0	-705.3	12.00	12.00	-0.25	
10,459.0	29.14	179.94	10,399.9	707.6	-220.0	-704.8	12.00	12.00	-0.25	
10,460.0	29.26	179.94	10,400.8	707.1	-220.0	-704.3	12.00	12.00	-0.25	
10,461.0	29.38	179.93	10,401.7	706.6	-220.0	-703.8	12.00	12.00	-0.25	
10,462.0	29.50	179.93	10,402.6	706.1	-220.0	-703.3	12.00	12.00	-0.25	
10,463.0	29.62	179.93	10,403.4	705.6	-220.0	-702.8	12.00	12.00	-0.24	
10,464.0	29.74	179.93	10,404.3	705.1	-220.0	-702.3	12.00	12.00	-0.24	
10,465.0	29.86	179.92	10,405.2	704.6	-220.0	-701.8	12.00	12.00	-0.24	
10,466.0	29.98	179.92	10,406.0	704.1	-220.0	-701.3	12.00	12.00	-0.24	
10,467.0	30.10	179.92	10,406.9	703.6	-220.0	-700.8	12.00	12.00	-0.24	
10,468.0	30.22	179.92	10,407.8	703.1	-220.0	-700.3	12.00	12.00	-0.24	
10,469.0	30.34	179.91	10,408.6	702.6	-220.0	-699.8	12.00	12.00	-0.23	
10,470.0	30.46	179.91	10,409.5	702.1	-220.0	-699.3	12.00	12.00	-0.23	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,471.0	30.58	179.91	10,410.4	701.6	-220.0	-698.8	12.00	12.00	-0.23
10,472.0	30.70	179.91	10,411.2	701.1	-220.0	-698.3	12.00	12.00	-0.23
10,473.0	30.82	179.91	10,412.1	700.6	-220.0	-697.8	12.00	12.00	-0.23
10,474.0	30.94	179.90	10,412.9	700.1	-220.0	-697.3	12.00	12.00	-0.23
10,475.0	31.06	179.90	10,413.8	699.6	-220.0	-696.7	12.00	12.00	-0.22
10,476.0	31.18	179.90	10,414.6	699.1	-220.0	-696.2	12.00	12.00	-0.22
10,477.0	31.30	179.90	10,415.5	698.5	-220.0	-695.7	12.00	12.00	-0.22
10,478.0	31.42	179.89	10,416.4	698.0	-220.0	-695.2	12.00	12.00	-0.22
10,479.0	31.54	179.89	10,417.2	697.5	-220.0	-694.7	12.00	12.00	-0.22
10,480.0	31.66	179.89	10,418.1	697.0	-220.0	-694.1	12.00	12.00	-0.22
10,481.0	31.78	179.89	10,418.9	696.4	-220.0	-693.6	12.00	12.00	-0.22
10,482.0	31.90	179.89	10,419.8	695.9	-220.0	-693.1	12.00	12.00	-0.21
10,483.0	32.02	179.88	10,420.6	695.4	-220.0	-692.6	12.00	12.00	-0.21
10,484.0	32.14	179.88	10,421.5	694.9	-220.0	-692.0	12.00	12.00	-0.21
10,485.0	32.26	179.88	10,422.3	694.3	-220.0	-691.5	12.00	12.00	-0.21
10,486.0	32.38	179.88	10,423.1	693.8	-220.0	-691.0	12.00	12.00	-0.21
10,487.0	32.50	179.88	10,424.0	693.2	-220.0	-690.4	12.00	12.00	-0.21
10,488.0	32.62	179.87	10,424.8	692.7	-220.0	-689.9	12.00	12.00	-0.21
10,489.0	32.74	179.87	10,425.7	692.2	-220.0	-689.4	12.00	12.00	-0.20
10,490.0	32.86	179.87	10,426.5	691.6	-220.0	-688.8	12.00	12.00	-0.20
10,491.0	32.98	179.87	10,427.4	691.1	-220.0	-688.3	12.00	12.00	-0.20
10,492.0	33.10	179.86	10,428.2	690.5	-220.0	-687.7	12.00	12.00	-0.20
10,493.0	33.22	179.86	10,429.0	690.0	-220.0	-687.2	12.00	12.00	-0.20
10,494.0	33.34	179.86	10,429.9	689.4	-220.0	-686.6	12.00	12.00	-0.20
10,495.0	33.46	179.86	10,430.7	688.9	-220.0	-686.1	12.00	12.00	-0.20
10,496.0	33.58	179.86	10,431.5	688.3	-220.0	-685.5	12.00	12.00	-0.20
10,497.0	33.70	179.86	10,432.4	687.8	-220.0	-685.0	12.00	12.00	-0.19
10,498.0	33.82	179.85	10,433.2	687.2	-220.0	-684.4	12.00	12.00	-0.19
10,499.0	33.94	179.85	10,434.0	686.7	-220.0	-683.9	12.00	12.00	-0.19
10,500.0	34.06	179.85	10,434.9	686.1	-220.0	-683.3	12.00	12.00	-0.19
10,501.0	34.18	179.85	10,435.7	685.6	-220.0	-682.7	12.00	12.00	-0.19
10,502.0	34.30	179.85	10,436.5	685.0	-220.0	-682.2	12.00	12.00	-0.19
10,503.0	34.42	179.84	10,437.3	684.4	-219.9	-681.6	12.00	12.00	-0.19
10,504.0	34.54	179.84	10,438.2	683.9	-219.9	-681.0	12.00	12.00	-0.19
10,505.0	34.66	179.84	10,439.0	683.3	-219.9	-680.5	12.00	12.00	-0.18
10,506.0	34.78	179.84	10,439.8	682.7	-219.9	-679.9	12.00	12.00	-0.18
10,507.0	34.90	179.84	10,440.6	682.2	-219.9	-679.3	12.00	12.00	-0.18
10,508.0	35.02	179.83	10,441.4	681.6	-219.9	-678.8	12.00	12.00	-0.18
10,509.0	35.14	179.83	10,442.3	681.0	-219.9	-678.2	12.00	12.00	-0.18
10,510.0	35.26	179.83	10,443.1	680.4	-219.9	-677.6	12.00	12.00	-0.18
10,511.0	35.38	179.83	10,443.9	679.9	-219.9	-677.0	12.00	12.00	-0.18
10,512.0	35.50	179.83	10,444.7	679.3	-219.9	-676.5	12.00	12.00	-0.18
10,513.0	35.62	179.83	10,445.5	678.7	-219.9	-675.9	12.00	12.00	-0.18
10,514.0	35.74	179.82	10,446.3	678.1	-219.9	-675.3	12.00	12.00	-0.17
10,515.0	35.86	179.82	10,447.2	677.5	-219.9	-674.7	12.00	12.00	-0.17
10,516.0	35.98	179.82	10,448.0	676.9	-219.9	-674.1	12.00	12.00	-0.17
10,517.0	36.10	179.82	10,448.8	676.3	-219.9	-673.5	12.00	12.00	-0.17
10,518.0	36.22	179.82	10,449.6	675.8	-219.9	-672.9	12.00	12.00	-0.17
10,519.0	36.34	179.82	10,450.4	675.2	-219.9	-672.3	12.00	12.00	-0.17
10,520.0	36.46	179.81	10,451.2	674.6	-219.9	-671.8	12.00	12.00	-0.17
10,521.0	36.58	179.81	10,452.0	674.0	-219.9	-671.2	12.00	12.00	-0.17
10,522.0	36.70	179.81	10,452.8	673.4	-219.9	-670.6	12.00	12.00	-0.17
10,523.0	36.82	179.81	10,453.6	672.8	-219.9	-670.0	12.00	12.00	-0.17
10,524.0	36.94	179.81	10,454.4	672.2	-219.9	-669.4	12.00	12.00	-0.17



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,525.0	37.06	179.81	10,455.2	671.6	-219.9	-668.8	12.00	12.00	-0.16
10,526.0	37.18	179.80	10,456.0	671.0	-219.9	-668.2	12.00	12.00	-0.16
10,527.0	37.30	179.80	10,456.8	670.4	-219.9	-667.6	12.00	12.00	-0.16
10,528.0	37.42	179.80	10,457.6	669.8	-219.9	-666.9	12.00	12.00	-0.16
10,529.0	37.54	179.80	10,458.4	669.2	-219.9	-666.3	12.00	12.00	-0.16
10,530.0	37.66	179.80	10,459.2	668.5	-219.9	-665.7	12.00	12.00	-0.16
10,531.0	37.78	179.80	10,460.0	667.9	-219.9	-665.1	12.00	12.00	-0.16
10,532.0	37.90	179.79	10,460.8	667.3	-219.9	-664.5	12.00	12.00	-0.16
10,533.0	38.02	179.79	10,461.5	666.7	-219.9	-663.9	12.00	12.00	-0.16
10,534.0	38.14	179.79	10,462.3	666.1	-219.9	-663.3	12.00	12.00	-0.16
10,535.0	38.26	179.79	10,463.1	665.5	-219.9	-662.7	12.00	12.00	-0.16
10,536.0	38.38	179.79	10,463.9	664.9	-219.9	-662.0	12.00	12.00	-0.15
10,537.0	38.50	179.79	10,464.7	664.2	-219.9	-661.4	12.00	12.00	-0.15
10,538.0	38.62	179.78	10,465.5	663.6	-219.9	-660.8	12.00	12.00	-0.15
10,539.0	38.74	179.78	10,466.2	663.0	-219.9	-660.2	12.00	12.00	-0.15
10,540.0	38.86	179.78	10,467.0	662.4	-219.9	-659.5	12.00	12.00	-0.15
10,541.0	38.98	179.78	10,467.8	661.7	-219.9	-658.9	12.00	12.00	-0.15
10,542.0	39.10	179.78	10,468.6	661.1	-219.9	-658.3	12.00	12.00	-0.15
10,543.0	39.22	179.78	10,469.4	660.5	-219.9	-657.7	12.00	12.00	-0.15
10,544.0	39.34	179.78	10,470.1	659.8	-219.9	-657.0	12.00	12.00	-0.15
10,545.0	39.46	179.77	10,470.9	659.2	-219.9	-656.4	12.00	12.00	-0.15
10,546.0	39.58	179.77	10,471.7	658.6	-219.9	-655.7	12.00	12.00	-0.15
10,547.0	39.70	179.77	10,472.4	657.9	-219.9	-655.1	12.00	12.00	-0.15
10,548.0	39.82	179.77	10,473.2	657.3	-219.9	-654.5	12.00	12.00	-0.15
10,549.0	39.94	179.77	10,474.0	656.6	-219.9	-653.8	12.00	12.00	-0.14
10,550.0	40.06	179.77	10,474.7	656.0	-219.9	-653.2	12.00	12.00	-0.14
10,551.0	40.18	179.77	10,475.5	655.4	-219.8	-652.5	12.00	12.00	-0.14
10,552.0	40.30	179.76	10,476.3	654.7	-219.8	-651.9	12.00	12.00	-0.14
10,553.0	40.42	179.76	10,477.0	654.1	-219.8	-651.2	12.00	12.00	-0.14
10,554.0	40.54	179.76	10,477.8	653.4	-219.8	-650.6	12.00	12.00	-0.14
10,555.0	40.66	179.76	10,478.6	652.8	-219.8	-649.9	12.00	12.00	-0.14
10,556.0	40.78	179.76	10,479.3	652.1	-219.8	-649.3	12.00	12.00	-0.14
10,557.0	40.90	179.76	10,480.1	651.5	-219.8	-648.6	12.00	12.00	-0.14
10,558.0	41.02	179.76	10,480.8	650.8	-219.8	-648.0	12.00	12.00	-0.14
10,559.0	41.14	179.75	10,481.6	650.1	-219.8	-647.3	12.00	12.00	-0.14
10,560.0	41.26	179.75	10,482.3	649.5	-219.8	-646.7	12.00	12.00	-0.14
10,561.0	41.38	179.75	10,483.1	648.8	-219.8	-646.0	12.00	12.00	-0.14
10,562.0	41.50	179.75	10,483.8	648.2	-219.8	-645.4	12.00	12.00	-0.14
10,563.0	41.62	179.75	10,484.6	647.5	-219.8	-644.7	12.00	12.00	-0.14
10,564.0	41.74	179.75	10,485.3	646.8	-219.8	-644.0	12.00	12.00	-0.13
10,565.0	41.86	179.75	10,486.1	646.2	-219.8	-643.4	12.00	12.00	-0.13
10,566.0	41.98	179.74	10,486.8	645.5	-219.8	-642.7	12.00	12.00	-0.13
10,567.0	42.10	179.74	10,487.6	644.8	-219.8	-642.0	12.00	12.00	-0.13
10,568.0	42.22	179.74	10,488.3	644.2	-219.8	-641.3	12.00	12.00	-0.13
10,569.0	42.34	179.74	10,489.0	643.5	-219.8	-640.7	12.00	12.00	-0.13
10,570.0	42.46	179.74	10,489.8	642.8	-219.8	-640.0	12.00	12.00	-0.13
10,571.0	42.58	179.74	10,490.5	642.1	-219.8	-639.3	12.00	12.00	-0.13
10,572.0	42.70	179.74	10,491.3	641.5	-219.8	-638.6	12.00	12.00	-0.13
10,573.0	42.82	179.74	10,492.0	640.8	-219.8	-638.0	12.00	12.00	-0.13
10,574.0	42.94	179.73	10,492.7	640.1	-219.8	-637.3	12.00	12.00	-0.13
10,575.0	43.06	179.73	10,493.4	639.4	-219.8	-636.6	12.00	12.00	-0.13
10,576.0	43.18	179.73	10,494.2	638.7	-219.8	-635.9	12.00	12.00	-0.13
10,577.0	43.30	179.73	10,494.9	638.1	-219.8	-635.2	12.00	12.00	-0.13
10,578.0	43.42	179.73	10,495.6	637.4	-219.8	-634.6	12.00	12.00	-0.13



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,579.0	43.54	179.73	10,496.4	636.7	-219.8	-633.9	12.00	12.00	-0.13	
10,580.0	43.66	179.73	10,497.1	636.0	-219.8	-633.2	12.00	12.00	-0.13	
10,581.0	43.78	179.73	10,497.8	635.3	-219.8	-632.5	12.00	12.00	-0.12	
10,582.0	43.90	179.72	10,498.5	634.6	-219.8	-631.8	12.00	12.00	-0.12	
10,583.0	44.02	179.72	10,499.2	633.9	-219.8	-631.1	12.00	12.00	-0.12	
10,584.0	44.14	179.72	10,500.0	633.2	-219.7	-630.4	12.00	12.00	-0.12	
10,585.0	44.26	179.72	10,500.7	632.5	-219.7	-629.7	12.00	12.00	-0.12	
10,586.0	44.38	179.72	10,501.4	631.8	-219.7	-629.0	12.00	12.00	-0.12	
10,587.0	44.50	179.72	10,502.1	631.1	-219.7	-628.3	12.00	12.00	-0.12	
10,588.0	44.62	179.72	10,502.8	630.4	-219.7	-627.6	12.00	12.00	-0.12	
10,589.0	44.74	179.72	10,503.5	629.7	-219.7	-626.9	12.00	12.00	-0.12	
10,590.0	44.86	179.71	10,504.2	629.0	-219.7	-626.2	12.00	12.00	-0.12	
10,591.0	44.98	179.71	10,505.0	628.3	-219.7	-625.5	12.00	12.00	-0.12	
10,592.0	45.10	179.71	10,505.7	627.6	-219.7	-624.8	12.00	12.00	-0.12	
10,593.0	45.22	179.71	10,506.4	626.9	-219.7	-624.1	12.00	12.00	-0.12	
10,594.0	45.34	179.71	10,507.1	626.2	-219.7	-623.4	12.00	12.00	-0.12	
10,595.0	45.46	179.71	10,507.8	625.5	-219.7	-622.7	12.00	12.00	-0.12	
10,596.0	45.58	179.71	10,508.5	624.7	-219.7	-621.9	12.00	12.00	-0.12	
10,597.0	45.70	179.71	10,509.2	624.0	-219.7	-621.2	12.00	12.00	-0.12	
10,598.0	45.82	179.71	10,509.9	623.3	-219.7	-620.5	12.00	12.00	-0.12	
10,599.0	45.94	179.70	10,510.6	622.6	-219.7	-619.8	12.00	12.00	-0.12	
10,600.0	46.06	179.70	10,511.3	621.9	-219.7	-619.1	12.00	12.00	-0.12	
10,601.0	46.18	179.70	10,512.0	621.2	-219.7	-618.4	12.00	12.00	-0.11	
10,602.0	46.30	179.70	10,512.6	620.4	-219.7	-617.6	12.00	12.00	-0.11	
10,603.0	46.42	179.70	10,513.3	619.7	-219.7	-616.9	12.00	12.00	-0.11	
10,604.0	46.54	179.70	10,514.0	619.0	-219.7	-616.2	12.00	12.00	-0.11	
10,605.0	46.66	179.70	10,514.7	618.3	-219.7	-615.5	12.00	12.00	-0.11	
10,606.0	46.78	179.70	10,515.4	617.5	-219.7	-614.7	12.00	12.00	-0.11	
10,607.0	46.90	179.69	10,516.1	616.8	-219.7	-614.0	12.00	12.00	-0.11	
10,608.0	47.02	179.69	10,516.8	616.1	-219.7	-613.3	12.00	12.00	-0.11	
10,609.0	47.14	179.69	10,517.4	615.3	-219.7	-612.5	12.00	12.00	-0.11	
10,610.0	47.26	179.69	10,518.1	614.6	-219.7	-611.8	12.00	12.00	-0.11	
10,611.0	47.38	179.69	10,518.8	613.9	-219.6	-611.1	12.00	12.00	-0.11	
10,612.0	47.50	179.69	10,519.5	613.1	-219.6	-610.3	12.00	12.00	-0.11	
10,613.0	47.62	179.69	10,520.2	612.4	-219.6	-609.6	12.00	12.00	-0.11	
10,614.0	47.74	179.69	10,520.8	611.7	-219.6	-608.9	12.00	12.00	-0.11	
10,615.0	47.86	179.69	10,521.5	610.9	-219.6	-608.1	12.00	12.00	-0.11	
10,616.0	47.98	179.69	10,522.2	610.2	-219.6	-607.4	12.00	12.00	-0.11	
10,617.0	48.10	179.68	10,522.8	609.4	-219.6	-606.6	12.00	12.00	-0.11	
10,618.0	48.22	179.68	10,523.5	608.7	-219.6	-605.9	12.00	12.00	-0.11	
10,619.0	48.34	179.68	10,524.2	607.9	-219.6	-605.1	12.00	12.00	-0.11	
10,620.0	48.46	179.68	10,524.8	607.2	-219.6	-604.4	12.00	12.00	-0.11	
10,621.0	48.58	179.68	10,525.5	606.4	-219.6	-603.6	12.00	12.00	-0.11	
10,622.0	48.70	179.68	10,526.2	605.7	-219.6	-602.9	12.00	12.00	-0.11	
10,623.0	48.82	179.68	10,526.8	604.9	-219.6	-602.1	12.00	12.00	-0.11	
10,624.0	48.94	179.68	10,527.5	604.2	-219.6	-601.4	12.00	12.00	-0.10	
10,625.0	49.06	179.68	10,528.1	603.4	-219.6	-600.6	12.00	12.00	-0.10	
10,626.0	49.18	179.67	10,528.8	602.7	-219.6	-599.9	12.00	12.00	-0.10	
10,627.0	49.30	179.67	10,529.4	601.9	-219.6	-599.1	12.00	12.00	-0.10	
10,628.0	49.42	179.67	10,530.1	601.2	-219.6	-598.4	12.00	12.00	-0.10	
10,629.0	49.54	179.67	10,530.7	600.4	-219.6	-597.6	12.00	12.00	-0.10	
10,630.0	49.66	179.67	10,531.4	599.6	-219.6	-596.8	12.00	12.00	-0.10	
10,631.0	49.78	179.67	10,532.0	598.9	-219.6	-596.1	12.00	12.00	-0.10	
10,632.0	49.90	179.67	10,532.7	598.1	-219.6	-595.3	12.00	12.00	-0.10	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,633.0	50.02	179.67	10,533.3	597.3	-219.6	-594.5	12.00	12.00	-0.10	
10,634.0	50.14	179.67	10,534.0	596.6	-219.6	-593.8	12.00	12.00	-0.10	
10,635.0	50.26	179.67	10,534.6	595.8	-219.5	-593.0	12.00	12.00	-0.10	
10,636.0	50.38	179.66	10,535.2	595.0	-219.5	-592.2	12.00	12.00	-0.10	
10,637.0	50.50	179.66	10,535.9	594.3	-219.5	-591.5	12.00	12.00	-0.10	
10,638.0	50.62	179.66	10,536.5	593.5	-219.5	-590.7	12.00	12.00	-0.10	
10,639.0	50.74	179.66	10,537.1	592.7	-219.5	-589.9	12.00	12.00	-0.10	
10,640.0	50.86	179.66	10,537.8	592.0	-219.5	-589.1	12.00	12.00	-0.10	
10,641.0	50.98	179.66	10,538.4	591.2	-219.5	-588.4	12.00	12.00	-0.10	
10,642.0	51.10	179.66	10,539.0	590.4	-219.5	-587.6	12.00	12.00	-0.10	
10,643.0	51.22	179.66	10,539.7	589.6	-219.5	-586.8	12.00	12.00	-0.10	
10,644.0	51.34	179.66	10,540.3	588.8	-219.5	-586.0	12.00	12.00	-0.10	
10,645.0	51.46	179.66	10,540.9	588.1	-219.5	-585.3	12.00	12.00	-0.10	
10,646.0	51.58	179.65	10,541.5	587.3	-219.5	-584.5	12.00	12.00	-0.10	
10,647.0	51.70	179.65	10,542.2	586.5	-219.5	-583.7	12.00	12.00	-0.10	
10,648.0	51.82	179.65	10,542.8	585.7	-219.5	-582.9	12.00	12.00	-0.10	
10,649.0	51.94	179.65	10,543.4	584.9	-219.5	-582.1	12.00	12.00	-0.10	
10,650.0	52.06	179.65	10,544.0	584.1	-219.5	-581.3	12.00	12.00	-0.10	
10,651.0	52.18	179.65	10,544.6	583.3	-219.5	-580.5	12.00	12.00	-0.10	
10,652.0	52.30	179.65	10,545.2	582.6	-219.5	-579.7	12.00	12.00	-0.10	
10,653.0	52.42	179.65	10,545.9	581.8	-219.5	-579.0	12.00	12.00	-0.09	
10,654.0	52.54	179.65	10,546.5	581.0	-219.5	-578.2	12.00	12.00	-0.09	
10,655.0	52.66	179.65	10,547.1	580.2	-219.5	-577.4	12.00	12.00	-0.09	
10,656.0	52.78	179.64	10,547.7	579.4	-219.4	-576.6	12.00	12.00	-0.09	
10,657.0	52.90	179.64	10,548.3	578.6	-219.4	-575.8	12.00	12.00	-0.09	
10,658.0	53.02	179.64	10,548.9	577.8	-219.4	-575.0	12.00	12.00	-0.09	
10,659.0	53.14	179.64	10,549.5	577.0	-219.4	-574.2	12.00	12.00	-0.09	
10,660.0	53.26	179.64	10,550.1	576.2	-219.4	-573.4	12.00	12.00	-0.09	
10,661.0	53.38	179.64	10,550.7	575.4	-219.4	-572.6	12.00	12.00	-0.09	
10,662.0	53.50	179.64	10,551.3	574.6	-219.4	-571.8	12.00	12.00	-0.09	
10,663.0	53.62	179.64	10,551.9	573.8	-219.4	-571.0	12.00	12.00	-0.09	
10,664.0	53.74	179.64	10,552.5	573.0	-219.4	-570.2	12.00	12.00	-0.09	
10,665.0	53.86	179.64	10,553.0	572.2	-219.4	-569.4	12.00	12.00	-0.09	
10,666.0	53.98	179.64	10,553.6	571.4	-219.4	-568.5	12.00	12.00	-0.09	
10,667.0	54.10	179.63	10,554.2	570.5	-219.4	-567.7	12.00	12.00	-0.09	
10,668.0	54.22	179.63	10,554.8	569.7	-219.4	-566.9	12.00	12.00	-0.09	
10,669.0	54.34	179.63	10,555.4	568.9	-219.4	-566.1	12.00	12.00	-0.09	
10,670.0	54.46	179.63	10,556.0	568.1	-219.4	-565.3	12.00	12.00	-0.09	
10,671.0	54.58	179.63	10,556.6	567.3	-219.4	-564.5	12.00	12.00	-0.09	
10,672.0	54.70	179.63	10,557.1	566.5	-219.4	-563.7	12.00	12.00	-0.09	
10,673.0	54.82	179.63	10,557.7	565.7	-219.4	-562.9	12.00	12.00	-0.09	
10,674.0	54.94	179.63	10,558.3	564.8	-219.4	-562.0	12.00	12.00	-0.09	
10,675.0	55.06	179.63	10,558.9	564.0	-219.4	-561.2	12.00	12.00	-0.09	
10,676.0	55.18	179.63	10,559.4	563.2	-219.3	-560.4	12.00	12.00	-0.09	
10,677.0	55.30	179.63	10,560.0	562.4	-219.3	-559.6	12.00	12.00	-0.09	
10,678.0	55.42	179.62	10,560.6	561.6	-219.3	-558.8	12.00	12.00	-0.09	
10,679.0	55.54	179.62	10,561.1	560.7	-219.3	-557.9	12.00	12.00	-0.09	
10,680.0	55.66	179.62	10,561.7	559.9	-219.3	-557.1	12.00	12.00	-0.09	
10,681.0	55.78	179.62	10,562.3	559.1	-219.3	-556.3	12.00	12.00	-0.09	
10,682.0	55.90	179.62	10,562.8	558.3	-219.3	-555.5	12.00	12.00	-0.09	
10,683.0	56.02	179.62	10,563.4	557.4	-219.3	-554.6	12.00	12.00	-0.09	
10,684.0	56.14	179.62	10,563.9	556.6	-219.3	-553.8	12.00	12.00	-0.09	
10,685.0	56.26	179.62	10,564.5	555.8	-219.3	-553.0	12.00	12.00	-0.09	
10,686.0	56.38	179.62	10,565.1	554.9	-219.3	-552.1	12.00	12.00	-0.09	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,687.0	56.50	179.62	10,565.6	554.1	-219.3	-551.3	12.00	12.00	-0.09
10,688.0	56.62	179.62	10,566.2	553.3	-219.3	-550.5	12.00	12.00	-0.09
10,689.0	56.74	179.62	10,566.7	552.4	-219.3	-549.6	12.00	12.00	-0.09
10,690.0	56.86	179.61	10,567.3	551.6	-219.3	-548.8	12.00	12.00	-0.09
10,691.0	56.98	179.61	10,567.8	550.8	-219.3	-548.0	12.00	12.00	-0.08
10,692.0	57.10	179.61	10,568.3	549.9	-219.3	-547.1	12.00	12.00	-0.08
10,693.0	57.22	179.61	10,568.9	549.1	-219.3	-546.3	12.00	12.00	-0.08
10,694.0	57.34	179.61	10,569.4	548.2	-219.2	-545.4	12.00	12.00	-0.08
10,695.0	57.46	179.61	10,570.0	547.4	-219.2	-544.6	12.00	12.00	-0.08
10,696.0	57.58	179.61	10,570.5	546.6	-219.2	-543.8	12.00	12.00	-0.08
10,697.0	57.70	179.61	10,571.0	545.7	-219.2	-542.9	12.00	12.00	-0.08
10,698.0	57.82	179.61	10,571.6	544.9	-219.2	-542.1	12.00	12.00	-0.08
10,699.0	57.94	179.61	10,572.1	544.0	-219.2	-541.2	12.00	12.00	-0.08
10,700.0	58.06	179.61	10,572.6	543.2	-219.2	-540.4	12.00	12.00	-0.08
10,701.0	58.18	179.61	10,573.2	542.3	-219.2	-539.5	12.00	12.00	-0.08
10,702.0	58.30	179.60	10,573.7	541.5	-219.2	-538.7	12.00	12.00	-0.08
10,703.0	58.42	179.60	10,574.2	540.6	-219.2	-537.8	12.00	12.00	-0.08
10,704.0	58.54	179.60	10,574.7	539.8	-219.2	-537.0	12.00	12.00	-0.08
10,705.0	58.66	179.60	10,575.3	538.9	-219.2	-536.1	12.00	12.00	-0.08
10,706.0	58.78	179.60	10,575.8	538.1	-219.2	-535.3	12.00	12.00	-0.08
10,707.0	58.90	179.60	10,576.3	537.2	-219.2	-534.4	12.00	12.00	-0.08
10,708.0	59.02	179.60	10,576.8	536.3	-219.2	-533.5	12.00	12.00	-0.08
10,709.0	59.14	179.60	10,577.3	535.5	-219.2	-532.7	12.00	12.00	-0.08
10,710.0	59.26	179.60	10,577.8	534.6	-219.2	-531.8	12.00	12.00	-0.08
10,711.0	59.38	179.60	10,578.4	533.8	-219.1	-531.0	12.00	12.00	-0.08
10,712.0	59.50	179.60	10,578.9	532.9	-219.1	-530.1	12.00	12.00	-0.08
10,713.0	59.62	179.60	10,579.4	532.0	-219.1	-529.2	12.00	12.00	-0.08
10,714.0	59.74	179.59	10,579.9	531.2	-219.1	-528.4	12.00	12.00	-0.08
10,715.0	59.86	179.59	10,580.4	530.3	-219.1	-527.5	12.00	12.00	-0.08
10,716.0	59.98	179.59	10,580.9	529.5	-219.1	-526.7	12.00	12.00	-0.08
10,717.0	60.10	179.59	10,581.4	528.6	-219.1	-525.8	12.00	12.00	-0.08
10,718.0	60.22	179.59	10,581.9	527.7	-219.1	-524.9	12.00	12.00	-0.08
10,719.0	60.34	179.59	10,582.4	526.8	-219.1	-524.1	12.00	12.00	-0.08
10,720.0	60.46	179.59	10,582.9	526.0	-219.1	-523.2	12.00	12.00	-0.08
10,721.0	60.58	179.59	10,583.4	525.1	-219.1	-522.3	12.00	12.00	-0.08
10,722.0	60.70	179.59	10,583.8	524.2	-219.1	-521.4	12.00	12.00	-0.08
10,723.0	60.82	179.59	10,584.3	523.4	-219.1	-520.6	12.00	12.00	-0.08
10,724.0	60.94	179.59	10,584.8	522.5	-219.1	-519.7	12.00	12.00	-0.08
10,725.0	61.06	179.59	10,585.3	521.6	-219.1	-518.8	12.00	12.00	-0.08
10,726.0	61.18	179.59	10,585.8	520.7	-219.1	-517.9	12.00	12.00	-0.08
10,727.0	61.30	179.58	10,586.3	519.9	-219.0	-517.1	12.00	12.00	-0.08
10,728.0	61.42	179.58	10,586.7	519.0	-219.0	-516.2	12.00	12.00	-0.08
10,729.0	61.54	179.58	10,587.2	518.1	-219.0	-515.3	12.00	12.00	-0.08
10,730.0	61.66	179.58	10,587.7	517.2	-219.0	-514.4	12.00	12.00	-0.08
10,731.0	61.78	179.58	10,588.2	516.3	-219.0	-513.6	12.00	12.00	-0.08
10,732.0	61.90	179.58	10,588.6	515.5	-219.0	-512.7	12.00	12.00	-0.08
10,733.0	62.02	179.58	10,589.1	514.6	-219.0	-511.8	12.00	12.00	-0.08
10,734.0	62.14	179.58	10,589.6	513.7	-219.0	-510.9	12.00	12.00	-0.08
10,735.0	62.26	179.58	10,590.1	512.8	-219.0	-510.0	12.00	12.00	-0.08
10,736.0	62.37	179.58	10,590.5	511.9	-219.0	-509.1	12.00	12.00	-0.08
10,737.0	62.49	179.58	10,591.0	511.0	-219.0	-508.3	12.00	12.00	-0.08
10,738.0	62.61	179.58	10,591.4	510.2	-219.0	-507.4	12.00	12.00	-0.08
10,739.0	62.73	179.58	10,591.9	509.3	-219.0	-506.5	12.00	12.00	-0.08
10,740.0	62.85	179.57	10,592.4	508.4	-219.0	-505.6	12.00	12.00	-0.08



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,741.0	62.97	179.57	10,592.8	507.5	-219.0	-504.7	12.00	12.00	-0.08
10,742.0	63.09	179.57	10,593.3	506.6	-218.9	-503.8	12.00	12.00	-0.07
10,743.0	63.21	179.57	10,593.7	505.7	-218.9	-502.9	12.00	12.00	-0.07
10,744.0	63.33	179.57	10,594.2	504.8	-218.9	-502.0	12.00	12.00	-0.07
10,745.0	63.45	179.57	10,594.6	503.9	-218.9	-501.1	12.00	12.00	-0.07
10,746.0	63.57	179.57	10,595.1	503.0	-218.9	-500.2	12.00	12.00	-0.07
10,747.0	63.69	179.57	10,595.5	502.1	-218.9	-499.3	12.00	12.00	-0.07
10,748.0	63.81	179.57	10,595.9	501.2	-218.9	-498.4	12.00	12.00	-0.07
10,749.0	63.93	179.57	10,596.4	500.3	-218.9	-497.5	12.00	12.00	-0.07
10,750.0	64.05	179.57	10,596.8	499.4	-218.9	-496.6	12.00	12.00	-0.07
10,751.0	64.17	179.57	10,597.3	498.5	-218.9	-495.7	12.00	12.00	-0.07
10,752.0	64.29	179.57	10,597.7	497.6	-218.9	-494.8	12.00	12.00	-0.07
10,753.0	64.41	179.57	10,598.1	496.7	-218.9	-493.9	12.00	12.00	-0.07
10,754.0	64.53	179.56	10,598.6	495.8	-218.9	-493.0	12.00	12.00	-0.07
10,755.0	64.65	179.56	10,599.0	494.9	-218.9	-492.1	12.00	12.00	-0.07
10,756.0	64.77	179.56	10,599.4	494.0	-218.9	-491.2	12.00	12.00	-0.07
10,757.0	64.89	179.56	10,599.8	493.1	-218.8	-490.3	12.00	12.00	-0.07
10,758.0	65.01	179.56	10,600.3	492.2	-218.8	-489.4	12.00	12.00	-0.07
10,759.0	65.13	179.56	10,600.7	491.3	-218.8	-488.5	12.00	12.00	-0.07
10,760.0	65.25	179.56	10,601.1	490.4	-218.8	-487.6	12.00	12.00	-0.07
10,761.0	65.37	179.56	10,601.5	489.5	-218.8	-486.7	12.00	12.00	-0.07
10,762.0	65.49	179.56	10,601.9	488.6	-218.8	-485.8	12.00	12.00	-0.07
10,763.0	65.61	179.56	10,602.4	487.7	-218.8	-484.9	12.00	12.00	-0.07
10,764.0	65.73	179.56	10,602.8	486.8	-218.8	-484.0	12.00	12.00	-0.07
10,765.0	65.85	179.56	10,603.2	485.8	-218.8	-483.1	12.00	12.00	-0.07
10,766.0	65.97	179.56	10,603.6	484.9	-218.8	-482.1	12.00	12.00	-0.07
10,767.0	66.09	179.55	10,604.0	484.0	-218.8	-481.2	12.00	12.00	-0.07
10,768.0	66.21	179.55	10,604.4	483.1	-218.8	-480.3	12.00	12.00	-0.07
10,769.0	66.33	179.55	10,604.8	482.2	-218.8	-479.4	12.00	12.00	-0.07
10,770.0	66.45	179.55	10,605.2	481.3	-218.8	-478.5	12.00	12.00	-0.07
10,771.0	66.57	179.55	10,605.6	480.4	-218.7	-477.6	12.00	12.00	-0.07
10,772.0	66.69	179.55	10,606.0	479.4	-218.7	-476.6	12.00	12.00	-0.07
10,773.0	66.81	179.55	10,606.4	478.5	-218.7	-475.7	12.00	12.00	-0.07
10,774.0	66.93	179.55	10,606.8	477.6	-218.7	-474.8	12.00	12.00	-0.07
10,775.0	67.05	179.55	10,607.2	476.7	-218.7	-473.9	12.00	12.00	-0.07
10,776.0	67.17	179.55	10,607.6	475.8	-218.7	-473.0	12.00	12.00	-0.07
10,777.0	67.29	179.55	10,607.9	474.8	-218.7	-472.0	12.00	12.00	-0.07
10,778.0	67.41	179.55	10,608.3	473.9	-218.7	-471.1	12.00	12.00	-0.07
10,779.0	67.53	179.55	10,608.7	473.0	-218.7	-470.2	12.00	12.00	-0.07
10,780.0	67.65	179.55	10,609.1	472.1	-218.7	-469.3	12.00	12.00	-0.07
10,781.0	67.77	179.55	10,609.5	471.1	-218.7	-468.4	12.00	12.00	-0.07
10,782.0	67.89	179.54	10,609.9	470.2	-218.7	-467.4	12.00	12.00	-0.07
10,783.0	68.01	179.54	10,610.2	469.3	-218.7	-466.5	12.00	12.00	-0.07
10,784.0	68.13	179.54	10,610.6	468.4	-218.7	-465.6	12.00	12.00	-0.07
10,785.0	68.25	179.54	10,611.0	467.4	-218.6	-464.6	12.00	12.00	-0.07
10,786.0	68.37	179.54	10,611.3	466.5	-218.6	-463.7	12.00	12.00	-0.07
10,787.0	68.49	179.54	10,611.7	465.6	-218.6	-462.8	12.00	12.00	-0.07
10,788.0	68.61	179.54	10,612.1	464.6	-218.6	-461.9	12.00	12.00	-0.07
10,789.0	68.73	179.54	10,612.4	463.7	-218.6	-460.9	12.00	12.00	-0.07
10,790.0	68.85	179.54	10,612.8	462.8	-218.6	-460.0	12.00	12.00	-0.07
10,791.0	68.97	179.54	10,613.2	461.8	-218.6	-459.1	12.00	12.00	-0.07
10,792.0	69.09	179.54	10,613.5	460.9	-218.6	-458.1	12.00	12.00	-0.07
10,793.0	69.21	179.54	10,613.9	460.0	-218.6	-457.2	12.00	12.00	-0.07
10,794.0	69.33	179.54	10,614.2	459.0	-218.6	-456.3	12.00	12.00	-0.07



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,795.0	69.45	179.54	10,614.6	458.1	-218.6	-455.3	12.00	12.00	-0.07
10,796.0	69.57	179.53	10,614.9	457.2	-218.6	-454.4	12.00	12.00	-0.07
10,797.0	69.69	179.53	10,615.3	456.2	-218.6	-453.4	12.00	12.00	-0.07
10,798.0	69.81	179.53	10,615.6	455.3	-218.5	-452.5	12.00	12.00	-0.07
10,799.0	69.93	179.53	10,616.0	454.4	-218.5	-451.6	12.00	12.00	-0.07
10,800.0	70.05	179.53	10,616.3	453.4	-218.5	-450.6	12.00	12.00	-0.07
10,801.0	70.17	179.53	10,616.7	452.5	-218.5	-449.7	12.00	12.00	-0.07
10,802.0	70.29	179.53	10,617.0	451.5	-218.5	-448.7	12.00	12.00	-0.07
10,803.0	70.41	179.53	10,617.3	450.6	-218.5	-447.8	12.00	12.00	-0.07
10,804.0	70.53	179.53	10,617.7	449.6	-218.5	-446.9	12.00	12.00	-0.07
10,805.0	70.65	179.53	10,618.0	448.7	-218.5	-445.9	12.00	12.00	-0.07
10,806.0	70.77	179.53	10,618.3	447.8	-218.5	-445.0	12.00	12.00	-0.07
10,807.0	70.89	179.53	10,618.6	446.8	-218.5	-444.0	12.00	12.00	-0.07
10,808.0	71.01	179.53	10,619.0	445.9	-218.5	-443.1	12.00	12.00	-0.07
10,809.0	71.13	179.53	10,619.3	444.9	-218.5	-442.1	12.00	12.00	-0.07
10,810.0	71.25	179.53	10,619.6	444.0	-218.5	-441.2	12.00	12.00	-0.07
10,811.0	71.37	179.52	10,619.9	443.0	-218.4	-440.2	12.00	12.00	-0.07
10,812.0	71.49	179.52	10,620.3	442.1	-218.4	-439.3	12.00	12.00	-0.07
10,813.0	71.61	179.52	10,620.6	441.1	-218.4	-438.4	12.00	12.00	-0.07
10,814.0	71.73	179.52	10,620.9	440.2	-218.4	-437.4	12.00	12.00	-0.07
10,815.0	71.85	179.52	10,621.2	439.2	-218.4	-436.5	12.00	12.00	-0.07
10,816.0	71.97	179.52	10,621.5	438.3	-218.4	-435.5	12.00	12.00	-0.07
10,817.0	72.09	179.52	10,621.8	437.3	-218.4	-434.6	12.00	12.00	-0.07
10,818.0	72.21	179.52	10,622.1	436.4	-218.4	-433.6	12.00	12.00	-0.07
10,819.0	72.33	179.52	10,622.4	435.4	-218.4	-432.6	12.00	12.00	-0.07
10,820.0	72.45	179.52	10,622.7	434.5	-218.4	-431.7	12.00	12.00	-0.07
10,821.0	72.57	179.52	10,623.0	433.5	-218.4	-430.7	12.00	12.00	-0.07
10,822.0	72.69	179.52	10,623.3	432.6	-218.4	-429.8	12.00	12.00	-0.07
10,823.0	72.81	179.52	10,623.6	431.6	-218.4	-428.8	12.00	12.00	-0.07
10,824.0	72.93	179.52	10,623.9	430.7	-218.3	-427.9	12.00	12.00	-0.07
10,825.0	73.05	179.52	10,624.2	429.7	-218.3	-426.9	12.00	12.00	-0.07
10,826.0	73.17	179.51	10,624.5	428.7	-218.3	-426.0	12.00	12.00	-0.06
10,827.0	73.29	179.51	10,624.8	427.8	-218.3	-425.0	12.00	12.00	-0.06
10,828.0	73.41	179.51	10,625.1	426.8	-218.3	-424.1	12.00	12.00	-0.06
10,829.0	73.53	179.51	10,625.4	425.9	-218.3	-423.1	12.00	12.00	-0.06
10,830.0	73.65	179.51	10,625.7	424.9	-218.3	-422.1	12.00	12.00	-0.06
10,831.0	73.77	179.51	10,625.9	423.9	-218.3	-421.2	12.00	12.00	-0.06
10,832.0	73.89	179.51	10,626.2	423.0	-218.3	-420.2	12.00	12.00	-0.06
10,833.0	74.01	179.51	10,626.5	422.0	-218.3	-419.3	12.00	12.00	-0.06
10,834.0	74.13	179.51	10,626.8	421.1	-218.3	-418.3	12.00	12.00	-0.06
10,835.0	74.25	179.51	10,627.0	420.1	-218.3	-417.3	12.00	12.00	-0.06
10,836.0	74.37	179.51	10,627.3	419.1	-218.2	-416.4	12.00	12.00	-0.06
10,837.0	74.49	179.51	10,627.6	418.2	-218.2	-415.4	12.00	12.00	-0.06
10,838.0	74.61	179.51	10,627.8	417.2	-218.2	-414.4	12.00	12.00	-0.06
10,839.0	74.73	179.51	10,628.1	416.2	-218.2	-413.5	12.00	12.00	-0.06
10,840.0	74.85	179.51	10,628.4	415.3	-218.2	-412.5	12.00	12.00	-0.06
10,841.0	74.97	179.51	10,628.6	414.3	-218.2	-411.5	12.00	12.00	-0.06
10,842.0	75.09	179.50	10,628.9	413.4	-218.2	-410.6	12.00	12.00	-0.06
10,843.0	75.21	179.50	10,629.1	412.4	-218.2	-409.6	12.00	12.00	-0.06
10,844.0	75.33	179.50	10,629.4	411.4	-218.2	-408.6	12.00	12.00	-0.06
10,845.0	75.45	179.50	10,629.6	410.5	-218.2	-407.7	12.00	12.00	-0.06
10,846.0	75.57	179.50	10,629.9	409.5	-218.2	-406.7	12.00	12.00	-0.06
10,847.0	75.69	179.50	10,630.1	408.5	-218.2	-405.7	12.00	12.00	-0.06
10,848.0	75.81	179.50	10,630.4	407.5	-218.1	-404.8	12.00	12.00	-0.06



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,849.0	75.93	179.50	10,630.6	406.6	-218.1	-403.8	12.00	12.00	-0.06
10,850.0	76.05	179.50	10,630.9	405.6	-218.1	-402.8	12.00	12.00	-0.06
10,851.0	76.17	179.50	10,631.1	404.6	-218.1	-401.9	12.00	12.00	-0.06
10,852.0	76.29	179.50	10,631.4	403.7	-218.1	-400.9	12.00	12.00	-0.06
10,853.0	76.41	179.50	10,631.6	402.7	-218.1	-399.9	12.00	12.00	-0.06
10,854.0	76.53	179.50	10,631.8	401.7	-218.1	-398.9	12.00	12.00	-0.06
10,855.0	76.65	179.50	10,632.1	400.7	-218.1	-398.0	12.00	12.00	-0.06
10,856.0	76.77	179.50	10,632.3	399.8	-218.1	-397.0	12.00	12.00	-0.06
10,857.0	76.89	179.50	10,632.5	398.8	-218.1	-396.0	12.00	12.00	-0.06
10,858.0	77.01	179.49	10,632.7	397.8	-218.1	-395.1	12.00	12.00	-0.06
10,859.0	77.13	179.49	10,633.0	396.9	-218.1	-394.1	12.00	12.00	-0.06
10,860.0	77.25	179.49	10,633.2	395.9	-218.0	-393.1	12.00	12.00	-0.06
10,861.0	77.37	179.49	10,633.4	394.9	-218.0	-392.1	12.00	12.00	-0.06
10,862.0	77.49	179.49	10,633.6	393.9	-218.0	-391.2	12.00	12.00	-0.06
10,863.0	77.61	179.49	10,633.8	392.9	-218.0	-390.2	12.00	12.00	-0.06
10,864.0	77.73	179.49	10,634.1	392.0	-218.0	-389.2	12.00	12.00	-0.06
10,865.0	77.85	179.49	10,634.3	391.0	-218.0	-388.2	12.00	12.00	-0.06
10,866.0	77.97	179.49	10,634.5	390.0	-218.0	-387.2	12.00	12.00	-0.06
10,867.0	78.09	179.49	10,634.7	389.0	-218.0	-386.3	12.00	12.00	-0.06
10,868.0	78.21	179.49	10,634.9	388.1	-218.0	-385.3	12.00	12.00	-0.06
10,869.0	78.33	179.49	10,635.1	387.1	-218.0	-384.3	12.00	12.00	-0.06
10,870.0	78.45	179.49	10,635.3	386.1	-218.0	-383.3	12.00	12.00	-0.06
10,871.0	78.57	179.49	10,635.5	385.1	-217.9	-382.4	12.00	12.00	-0.06
10,872.0	78.69	179.49	10,635.7	384.1	-217.9	-381.4	12.00	12.00	-0.06
10,873.0	78.81	179.49	10,635.9	383.2	-217.9	-380.4	12.00	12.00	-0.06
10,874.0	78.93	179.48	10,636.1	382.2	-217.9	-379.4	12.00	12.00	-0.06
10,875.0	79.05	179.48	10,636.3	381.2	-217.9	-378.4	12.00	12.00	-0.06
10,876.0	79.17	179.48	10,636.5	380.2	-217.9	-377.4	12.00	12.00	-0.06
10,877.0	79.29	179.48	10,636.6	379.2	-217.9	-376.5	12.00	12.00	-0.06
10,878.0	79.41	179.48	10,636.8	378.3	-217.9	-375.5	12.00	12.00	-0.06
10,879.0	79.53	179.48	10,637.0	377.3	-217.9	-374.5	12.00	12.00	-0.06
10,880.0	79.65	179.48	10,637.2	376.3	-217.9	-373.5	12.00	12.00	-0.06
10,881.0	79.77	179.48	10,637.4	375.3	-217.9	-372.5	12.00	12.00	-0.06
10,882.0	79.89	179.48	10,637.5	374.3	-217.9	-371.5	12.00	12.00	-0.06
10,883.0	80.01	179.48	10,637.7	373.3	-217.8	-370.6	12.00	12.00	-0.06
10,884.0	80.13	179.48	10,637.9	372.3	-217.8	-369.6	12.00	12.00	-0.06
10,885.0	80.25	179.48	10,638.1	371.4	-217.8	-368.6	12.00	12.00	-0.06
10,886.0	80.37	179.48	10,638.2	370.4	-217.8	-367.6	12.00	12.00	-0.06
10,887.0	80.49	179.48	10,638.4	369.4	-217.8	-366.6	12.00	12.00	-0.06
10,888.0	80.61	179.48	10,638.6	368.4	-217.8	-365.6	12.00	12.00	-0.06
10,889.0	80.73	179.48	10,638.7	367.4	-217.8	-364.6	12.00	12.00	-0.06
10,890.0	80.85	179.47	10,638.9	366.4	-217.8	-363.7	12.00	12.00	-0.06
10,891.0	80.97	179.47	10,639.0	365.4	-217.8	-362.7	12.00	12.00	-0.06
10,892.0	81.09	179.47	10,639.2	364.5	-217.8	-361.7	12.00	12.00	-0.06
10,893.0	81.21	179.47	10,639.3	363.5	-217.8	-360.7	12.00	12.00	-0.06
10,894.0	81.33	179.47	10,639.5	362.5	-217.7	-359.7	12.00	12.00	-0.06
10,895.0	81.45	179.47	10,639.6	361.5	-217.7	-358.7	12.00	12.00	-0.06
10,896.0	81.57	179.47	10,639.8	360.5	-217.7	-357.7	12.00	12.00	-0.06
10,897.0	81.69	179.47	10,639.9	359.5	-217.7	-356.7	12.00	12.00	-0.06
10,898.0	81.81	179.47	10,640.1	358.5	-217.7	-355.8	12.00	12.00	-0.06
10,899.0	81.93	179.47	10,640.2	357.5	-217.7	-354.8	12.00	12.00	-0.06
10,900.0	82.05	179.47	10,640.4	356.5	-217.7	-353.8	12.00	12.00	-0.06
10,901.0	82.17	179.47	10,640.5	355.5	-217.7	-352.8	12.00	12.00	-0.06
10,902.0	82.29	179.47	10,640.6	354.6	-217.7	-351.8	12.00	12.00	-0.06



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,903.0	82.41	179.47	10,640.8	353.6	-217.7	-350.8	12.00	12.00	-0.06	
10,904.0	82.53	179.47	10,640.9	352.6	-217.7	-349.8	12.00	12.00	-0.06	
10,905.0	82.65	179.47	10,641.0	351.6	-217.6	-348.8	12.00	12.00	-0.06	
10,906.0	82.77	179.47	10,641.2	350.6	-217.6	-347.8	12.00	12.00	-0.06	
10,907.0	82.89	179.46	10,641.3	349.6	-217.6	-346.8	12.00	12.00	-0.06	
10,908.0	83.01	179.46	10,641.4	348.6	-217.6	-345.8	12.00	12.00	-0.06	
10,909.0	83.13	179.46	10,641.5	347.6	-217.6	-344.9	12.00	12.00	-0.06	
10,910.0	83.25	179.46	10,641.6	346.6	-217.6	-343.9	12.00	12.00	-0.06	
10,911.0	83.37	179.46	10,641.8	345.6	-217.6	-342.9	12.00	12.00	-0.06	
10,912.0	83.49	179.46	10,641.9	344.6	-217.6	-341.9	12.00	12.00	-0.06	
10,913.0	83.61	179.46	10,642.0	343.6	-217.6	-340.9	12.00	12.00	-0.06	
10,914.0	83.73	179.46	10,642.1	342.6	-217.6	-339.9	12.00	12.00	-0.06	
10,915.0	83.85	179.46	10,642.2	341.7	-217.5	-338.9	12.00	12.00	-0.06	
10,916.0	83.97	179.46	10,642.3	340.7	-217.5	-337.9	12.00	12.00	-0.06	
10,917.0	84.09	179.46	10,642.4	339.7	-217.5	-336.9	12.00	12.00	-0.06	
10,918.0	84.21	179.46	10,642.5	338.7	-217.5	-335.9	12.00	12.00	-0.06	
10,919.0	84.33	179.46	10,642.6	337.7	-217.5	-334.9	12.00	12.00	-0.06	
10,920.0	84.45	179.46	10,642.7	336.7	-217.5	-333.9	12.00	12.00	-0.06	
10,921.0	84.57	179.46	10,642.8	335.7	-217.5	-332.9	12.00	12.00	-0.06	
10,922.0	84.69	179.46	10,642.9	334.7	-217.5	-331.9	12.00	12.00	-0.06	
10,923.0	84.81	179.45	10,643.0	333.7	-217.5	-330.9	12.00	12.00	-0.06	
10,924.0	84.93	179.45	10,643.1	332.7	-217.5	-329.9	12.00	12.00	-0.06	
10,925.0	85.05	179.45	10,643.2	331.7	-217.5	-328.9	12.00	12.00	-0.06	
10,926.0	85.17	179.45	10,643.3	330.7	-217.4	-327.9	12.00	12.00	-0.06	
10,927.0	85.29	179.45	10,643.3	329.7	-217.4	-327.0	12.00	12.00	-0.06	
10,928.0	85.41	179.45	10,643.4	328.7	-217.4	-326.0	12.00	12.00	-0.06	
10,929.0	85.53	179.45	10,643.5	327.7	-217.4	-325.0	12.00	12.00	-0.06	
10,930.0	85.65	179.45	10,643.6	326.7	-217.4	-324.0	12.00	12.00	-0.06	
10,931.0	85.77	179.45	10,643.7	325.7	-217.4	-323.0	12.00	12.00	-0.06	
10,932.0	85.89	179.45	10,643.7	324.7	-217.4	-322.0	12.00	12.00	-0.06	
10,933.0	86.01	179.45	10,643.8	323.7	-217.4	-321.0	12.00	12.00	-0.06	
10,934.0	86.13	179.45	10,643.9	322.7	-217.4	-320.0	12.00	12.00	-0.06	
10,935.0	86.25	179.45	10,643.9	321.7	-217.4	-319.0	12.00	12.00	-0.06	
10,936.0	86.37	179.45	10,644.0	320.7	-217.3	-318.0	12.00	12.00	-0.06	
10,937.0	86.49	179.45	10,644.1	319.7	-217.3	-317.0	12.00	12.00	-0.06	
10,938.0	86.61	179.45	10,644.1	318.7	-217.3	-316.0	12.00	12.00	-0.06	
10,939.0	86.73	179.45	10,644.2	317.7	-217.3	-315.0	12.00	12.00	-0.06	
10,940.0	86.85	179.44	10,644.2	316.7	-217.3	-314.0	12.00	12.00	-0.06	
10,941.0	86.97	179.44	10,644.3	315.7	-217.3	-313.0	12.00	12.00	-0.06	
10,942.0	87.09	179.44	10,644.3	314.7	-217.3	-312.0	12.00	12.00	-0.06	
10,943.0	87.21	179.44	10,644.4	313.7	-217.3	-311.0	12.00	12.00	-0.06	
10,944.0	87.33	179.44	10,644.4	312.7	-217.3	-310.0	12.00	12.00	-0.06	
10,945.0	87.45	179.44	10,644.5	311.7	-217.3	-309.0	12.00	12.00	-0.06	
10,946.0	87.57	179.44	10,644.5	310.7	-217.3	-308.0	12.00	12.00	-0.06	
10,947.0	87.69	179.44	10,644.6	309.7	-217.2	-307.0	12.00	12.00	-0.06	
10,948.0	87.81	179.44	10,644.6	308.7	-217.2	-306.0	12.00	12.00	-0.06	
10,949.0	87.93	179.44	10,644.6	307.8	-217.2	-305.0	12.00	12.00	-0.06	
10,950.0	88.05	179.44	10,644.7	306.8	-217.2	-304.0	12.00	12.00	-0.06	
10,951.0	88.17	179.44	10,644.7	305.8	-217.2	-303.0	12.00	12.00	-0.06	
10,952.0	88.29	179.44	10,644.7	304.8	-217.2	-302.0	12.00	12.00	-0.06	
10,953.0	88.41	179.44	10,644.8	303.8	-217.2	-301.0	12.00	12.00	-0.06	
10,954.0	88.53	179.44	10,644.8	302.8	-217.2	-300.0	12.00	12.00	-0.06	
10,955.0	88.65	179.44	10,644.8	301.8	-217.2	-299.0	12.00	12.00	-0.06	
10,956.0	88.77	179.44	10,644.8	300.8	-217.2	-298.0	12.00	12.00	-0.06	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,957.0	88.89	179.43	10,644.9	299.8	-217.1	-297.0	12.00	12.00	-0.06
10,958.0	89.01	179.43	10,644.9	298.8	-217.1	-296.0	12.00	12.00	-0.06
10,959.0	89.13	179.43	10,644.9	297.8	-217.1	-295.0	12.00	12.00	-0.06
10,960.0	89.25	179.43	10,644.9	296.8	-217.1	-294.0	12.00	12.00	-0.06
10,961.0	89.37	179.43	10,644.9	295.8	-217.1	-293.0	12.00	12.00	-0.06
10,962.0	89.49	179.43	10,644.9	294.8	-217.1	-292.0	12.00	12.00	-0.06
10,963.0	89.61	179.43	10,644.9	293.8	-217.1	-291.0	12.00	12.00	-0.06
10,964.0	89.73	179.43	10,644.9	292.8	-217.1	-290.0	12.00	12.00	-0.06
10,965.0	89.85	179.43	10,644.9	291.8	-217.1	-289.0	12.00	12.00	-0.06
10,966.0	89.97	179.43	10,644.9	290.8	-217.1	-288.0	12.00	12.00	-0.06
10,966.2	90.00	179.43	10,644.9	290.6	-217.1	-287.8	12.00	12.00	-0.06
10,967.0	90.00	179.43	10,644.9	289.8	-217.0	-287.0	0.00	0.00	0.00
10,968.0	90.00	179.43	10,644.9	288.8	-217.0	-286.0	0.00	0.00	0.00
10,969.0	90.00	179.43	10,644.9	287.8	-217.0	-285.0	0.00	0.00	0.00
10,970.0	90.00	179.43	10,644.9	286.8	-217.0	-284.0	0.00	0.00	0.00
10,971.0	90.00	179.43	10,644.9	285.8	-217.0	-283.0	0.00	0.00	0.00
10,972.0	90.00	179.43	10,644.9	284.8	-217.0	-282.0	0.00	0.00	0.00
10,973.0	90.00	179.43	10,644.9	283.8	-217.0	-281.0	0.00	0.00	0.00
10,974.0	90.00	179.43	10,644.9	282.8	-217.0	-280.0	0.00	0.00	0.00
10,975.0	90.00	179.43	10,644.9	281.8	-217.0	-279.0	0.00	0.00	0.00
10,976.0	90.00	179.43	10,644.9	280.8	-217.0	-278.0	0.00	0.00	0.00
10,977.0	90.00	179.43	10,644.9	279.8	-216.9	-277.0	0.00	0.00	0.00
10,978.0	90.00	179.43	10,644.9	278.8	-216.9	-276.0	0.00	0.00	0.00
10,979.0	90.00	179.43	10,644.9	277.8	-216.9	-275.0	0.00	0.00	0.00
10,980.0	90.00	179.43	10,644.9	276.8	-216.9	-274.0	0.00	0.00	0.00
10,981.0	90.00	179.43	10,644.9	275.8	-216.9	-273.0	0.00	0.00	0.00
10,982.0	90.00	179.43	10,644.9	274.8	-216.9	-272.0	0.00	0.00	0.00
10,983.0	90.00	179.43	10,644.9	273.8	-216.9	-271.0	0.00	0.00	0.00
10,984.0	90.00	179.43	10,644.9	272.8	-216.9	-270.0	0.00	0.00	0.00
10,985.0	90.00	179.43	10,644.9	271.8	-216.9	-269.0	0.00	0.00	0.00
10,986.0	90.00	179.43	10,644.9	270.8	-216.9	-268.0	0.00	0.00	0.00
10,987.0	90.00	179.43	10,644.9	269.8	-216.8	-267.0	0.00	0.00	0.00
10,988.0	90.00	179.43	10,644.9	268.8	-216.8	-266.0	0.00	0.00	0.00
10,989.0	90.00	179.43	10,644.9	267.8	-216.8	-265.0	0.00	0.00	0.00
10,990.0	90.00	179.43	10,644.9	266.8	-216.8	-264.0	0.00	0.00	0.00
10,991.0	90.00	179.43	10,644.9	265.8	-216.8	-263.0	0.00	0.00	0.00
10,992.0	90.00	179.43	10,644.9	264.8	-216.8	-262.0	0.00	0.00	0.00
10,993.0	90.00	179.43	10,644.9	263.8	-216.8	-261.0	0.00	0.00	0.00
10,994.0	90.00	179.43	10,644.9	262.8	-216.8	-260.0	0.00	0.00	0.00
10,995.0	90.00	179.43	10,644.9	261.8	-216.8	-259.0	0.00	0.00	0.00
10,996.0	90.00	179.43	10,644.9	260.8	-216.8	-258.0	0.00	0.00	0.00
10,997.0	90.00	179.43	10,644.9	259.8	-216.7	-257.0	0.00	0.00	0.00
10,998.0	90.00	179.43	10,644.9	258.8	-216.7	-256.0	0.00	0.00	0.00
10,999.0	90.00	179.43	10,644.9	257.8	-216.7	-255.0	0.00	0.00	0.00
11,000.0	90.00	179.43	10,644.9	256.8	-216.7	-254.0	0.00	0.00	0.00
11,001.0	90.00	179.43	10,644.9	255.8	-216.7	-253.0	0.00	0.00	0.00
11,002.0	90.00	179.43	10,644.9	254.8	-216.7	-252.0	0.00	0.00	0.00
11,003.0	90.00	179.43	10,644.9	253.8	-216.7	-251.0	0.00	0.00	0.00
11,004.0	90.00	179.43	10,644.9	252.8	-216.7	-250.0	0.00	0.00	0.00
11,005.0	90.00	179.43	10,644.9	251.8	-216.7	-249.0	0.00	0.00	0.00
11,006.0	90.00	179.43	10,644.9	250.8	-216.7	-248.0	0.00	0.00	0.00
11,007.0	90.00	179.43	10,644.9	249.8	-216.6	-247.0	0.00	0.00	0.00
11,008.0	90.00	179.43	10,644.9	248.8	-216.6	-246.0	0.00	0.00	0.00
11,009.0	90.00	179.43	10,644.9	247.8	-216.6	-245.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,010.0	90.00	179.43	10,644.9	246.8	-216.6	-244.0	0.00	0.00	0.00
11,011.0	90.00	179.43	10,644.9	245.8	-216.6	-243.0	0.00	0.00	0.00
11,012.0	90.00	179.43	10,644.9	244.8	-216.6	-242.0	0.00	0.00	0.00
11,013.0	90.00	179.43	10,644.9	243.8	-216.6	-241.0	0.00	0.00	0.00
11,014.0	90.00	179.43	10,644.9	242.8	-216.6	-240.0	0.00	0.00	0.00
11,015.0	90.00	179.43	10,645.0	241.8	-216.6	-239.0	0.00	0.00	0.00
11,016.0	90.00	179.43	10,645.0	240.8	-216.6	-238.0	0.00	0.00	0.00
11,017.0	90.00	179.43	10,645.0	239.8	-216.5	-237.0	0.00	0.00	0.00
11,018.0	90.00	179.43	10,645.0	238.8	-216.5	-236.0	0.00	0.00	0.00
11,019.0	90.00	179.43	10,645.0	237.8	-216.5	-235.0	0.00	0.00	0.00
11,020.0	90.00	179.43	10,645.0	236.8	-216.5	-234.0	0.00	0.00	0.00
11,021.0	90.00	179.43	10,645.0	235.8	-216.5	-233.0	0.00	0.00	0.00
11,022.0	90.00	179.43	10,645.0	234.8	-216.5	-232.0	0.00	0.00	0.00
11,023.0	90.00	179.43	10,645.0	233.8	-216.5	-231.0	0.00	0.00	0.00
11,024.0	90.00	179.43	10,645.0	232.8	-216.5	-230.0	0.00	0.00	0.00
11,025.0	90.00	179.43	10,645.0	231.8	-216.5	-229.0	0.00	0.00	0.00
11,026.0	90.00	179.43	10,645.0	230.8	-216.5	-228.0	0.00	0.00	0.00
11,027.0	90.00	179.43	10,645.0	229.8	-216.4	-227.0	0.00	0.00	0.00
11,028.0	90.00	179.43	10,645.0	228.8	-216.4	-226.0	0.00	0.00	0.00
11,029.0	90.00	179.43	10,645.0	227.8	-216.4	-225.0	0.00	0.00	0.00
11,030.0	90.00	179.43	10,645.0	226.8	-216.4	-224.0	0.00	0.00	0.00
11,031.0	90.00	179.43	10,645.0	225.8	-216.4	-223.0	0.00	0.00	0.00
11,032.0	90.00	179.43	10,645.0	224.8	-216.4	-222.0	0.00	0.00	0.00
11,033.0	90.00	179.43	10,645.0	223.8	-216.4	-221.0	0.00	0.00	0.00
11,034.0	90.00	179.43	10,645.0	222.8	-216.4	-220.0	0.00	0.00	0.00
11,035.0	90.00	179.43	10,645.0	221.8	-216.4	-219.0	0.00	0.00	0.00
11,036.0	90.00	179.43	10,645.0	220.8	-216.4	-218.0	0.00	0.00	0.00
11,037.0	90.00	179.43	10,645.0	219.8	-216.3	-217.0	0.00	0.00	0.00
11,038.0	90.00	179.43	10,645.0	218.8	-216.3	-216.0	0.00	0.00	0.00
11,039.0	90.00	179.43	10,645.0	217.8	-216.3	-215.0	0.00	0.00	0.00
11,040.0	90.00	179.43	10,645.0	216.8	-216.3	-214.0	0.00	0.00	0.00
11,041.0	90.00	179.43	10,645.0	215.8	-216.3	-213.0	0.00	0.00	0.00
11,042.0	90.00	179.43	10,645.0	214.8	-216.3	-212.0	0.00	0.00	0.00
11,043.0	90.00	179.43	10,645.0	213.8	-216.3	-211.0	0.00	0.00	0.00
11,044.0	90.00	179.43	10,645.0	212.8	-216.3	-210.0	0.00	0.00	0.00
11,045.0	90.00	179.43	10,645.0	211.8	-216.3	-209.0	0.00	0.00	0.00
11,046.0	90.00	179.43	10,645.0	210.8	-216.3	-208.0	0.00	0.00	0.00
11,047.0	90.00	179.43	10,645.0	209.8	-216.2	-207.0	0.00	0.00	0.00
11,048.0	90.00	179.43	10,645.0	208.8	-216.2	-206.0	0.00	0.00	0.00
11,049.0	90.00	179.43	10,645.0	207.8	-216.2	-205.0	0.00	0.00	0.00
11,050.0	90.00	179.43	10,645.0	206.8	-216.2	-204.0	0.00	0.00	0.00
11,051.0	90.00	179.43	10,645.0	205.8	-216.2	-203.0	0.00	0.00	0.00
11,052.0	90.00	179.43	10,645.0	204.8	-216.2	-202.0	0.00	0.00	0.00
11,053.0	90.00	179.43	10,645.0	203.8	-216.2	-201.0	0.00	0.00	0.00
11,054.0	90.00	179.43	10,645.0	202.8	-216.2	-200.0	0.00	0.00	0.00
11,055.0	90.00	179.43	10,645.0	201.8	-216.2	-199.0	0.00	0.00	0.00
11,056.0	90.00	179.43	10,645.0	200.8	-216.2	-198.0	0.00	0.00	0.00
11,057.0	90.00	179.43	10,645.0	199.8	-216.1	-197.0	0.00	0.00	0.00
11,058.0	90.00	179.43	10,645.0	198.8	-216.1	-196.0	0.00	0.00	0.00
11,059.0	90.00	179.43	10,645.0	197.8	-216.1	-195.0	0.00	0.00	0.00
11,060.0	90.00	179.43	10,645.0	196.8	-216.1	-194.0	0.00	0.00	0.00
11,061.0	90.00	179.43	10,645.0	195.8	-216.1	-193.0	0.00	0.00	0.00
11,062.0	90.00	179.43	10,645.0	194.8	-216.1	-192.0	0.00	0.00	0.00
11,063.0	90.00	179.43	10,645.0	193.8	-216.1	-191.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,064.0	90.00	179.43	10,645.0	192.8	-216.1	-190.0	0.00	0.00	0.00
11,065.0	90.00	179.43	10,645.0	191.8	-216.1	-189.0	0.00	0.00	0.00
11,066.0	90.00	179.43	10,645.0	190.8	-216.1	-188.0	0.00	0.00	0.00
11,067.0	90.00	179.43	10,645.0	189.8	-216.0	-187.0	0.00	0.00	0.00
11,068.0	90.00	179.43	10,645.0	188.8	-216.0	-186.0	0.00	0.00	0.00
11,069.0	90.00	179.43	10,645.0	187.8	-216.0	-185.0	0.00	0.00	0.00
11,070.0	90.00	179.43	10,645.0	186.8	-216.0	-184.0	0.00	0.00	0.00
11,071.0	90.00	179.43	10,645.0	185.8	-216.0	-183.0	0.00	0.00	0.00
11,072.0	90.00	179.43	10,645.0	184.8	-216.0	-182.0	0.00	0.00	0.00
11,073.0	90.00	179.43	10,645.0	183.8	-216.0	-181.0	0.00	0.00	0.00
11,074.0	90.00	179.43	10,645.0	182.8	-216.0	-180.0	0.00	0.00	0.00
11,075.0	90.00	179.43	10,645.0	181.8	-216.0	-179.0	0.00	0.00	0.00
11,076.0	90.00	179.43	10,645.0	180.8	-216.0	-178.0	0.00	0.00	0.00
11,077.0	90.00	179.43	10,645.0	179.8	-215.9	-177.0	0.00	0.00	0.00
11,078.0	90.00	179.43	10,645.0	178.8	-215.9	-176.0	0.00	0.00	0.00
11,079.0	90.00	179.43	10,645.0	177.8	-215.9	-175.0	0.00	0.00	0.00
11,080.0	90.00	179.43	10,645.0	176.8	-215.9	-174.0	0.00	0.00	0.00
11,081.0	90.00	179.43	10,645.0	175.8	-215.9	-173.0	0.00	0.00	0.00
11,082.0	90.00	179.43	10,645.0	174.8	-215.9	-172.0	0.00	0.00	0.00
11,083.0	90.00	179.43	10,645.0	173.8	-215.9	-171.0	0.00	0.00	0.00
11,084.0	90.00	179.43	10,645.0	172.8	-215.9	-170.0	0.00	0.00	0.00
11,085.0	90.00	179.43	10,645.0	171.8	-215.9	-169.0	0.00	0.00	0.00
11,086.0	90.00	179.43	10,645.0	170.8	-215.9	-168.0	0.00	0.00	0.00
11,087.0	90.00	179.43	10,645.0	169.8	-215.8	-167.0	0.00	0.00	0.00
11,088.0	90.00	179.43	10,645.0	168.8	-215.8	-166.0	0.00	0.00	0.00
11,089.0	90.00	179.43	10,645.0	167.8	-215.8	-165.0	0.00	0.00	0.00
11,090.0	90.00	179.43	10,645.0	166.8	-215.8	-164.0	0.00	0.00	0.00
11,091.0	90.00	179.43	10,645.0	165.8	-215.8	-163.0	0.00	0.00	0.00
11,092.0	90.00	179.43	10,645.0	164.8	-215.8	-162.0	0.00	0.00	0.00
11,093.0	90.00	179.43	10,645.0	163.8	-215.8	-161.0	0.00	0.00	0.00
11,094.0	90.00	179.43	10,645.0	162.8	-215.8	-160.0	0.00	0.00	0.00
11,095.0	90.00	179.43	10,645.0	161.8	-215.8	-159.0	0.00	0.00	0.00
11,096.0	90.00	179.43	10,645.0	160.8	-215.8	-158.0	0.00	0.00	0.00
11,097.0	90.00	179.43	10,645.0	159.8	-215.7	-157.0	0.00	0.00	0.00
11,098.0	90.00	179.43	10,645.0	158.8	-215.7	-156.0	0.00	0.00	0.00
11,099.0	90.00	179.43	10,645.0	157.8	-215.7	-155.0	0.00	0.00	0.00
11,100.0	90.00	179.43	10,645.0	156.8	-215.7	-154.0	0.00	0.00	0.00
11,101.0	90.00	179.43	10,645.0	155.8	-215.7	-153.0	0.00	0.00	0.00
11,102.0	90.00	179.43	10,645.0	154.8	-215.7	-152.0	0.00	0.00	0.00
11,103.0	90.00	179.43	10,645.0	153.8	-215.7	-151.0	0.00	0.00	0.00
11,104.0	90.00	179.43	10,645.0	152.8	-215.7	-150.0	0.00	0.00	0.00
11,105.0	90.00	179.43	10,645.0	151.8	-215.7	-149.0	0.00	0.00	0.00
11,106.0	90.00	179.43	10,645.0	150.8	-215.7	-148.0	0.00	0.00	0.00
11,107.0	90.00	179.43	10,645.0	149.8	-215.7	-147.0	0.00	0.00	0.00
11,108.0	90.00	179.43	10,645.0	148.8	-215.6	-146.0	0.00	0.00	0.00
11,109.0	90.00	179.43	10,645.0	147.8	-215.6	-145.0	0.00	0.00	0.00
11,110.0	90.00	179.43	10,645.0	146.8	-215.6	-144.0	0.00	0.00	0.00
11,111.0	90.00	179.43	10,645.0	145.8	-215.6	-143.0	0.00	0.00	0.00
11,112.0	90.00	179.43	10,645.0	144.8	-215.6	-142.0	0.00	0.00	0.00
11,113.0	90.00	179.43	10,645.0	143.8	-215.6	-141.0	0.00	0.00	0.00
11,114.0	90.00	179.43	10,645.0	142.8	-215.6	-140.0	0.00	0.00	0.00
11,115.0	90.00	179.43	10,645.0	141.8	-215.6	-139.0	0.00	0.00	0.00
11,116.0	90.00	179.43	10,645.0	140.8	-215.6	-138.0	0.00	0.00	0.00
11,117.0	90.00	179.43	10,645.0	139.8	-215.6	-137.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,118.0	90.00	179.43	10,645.0	138.8	-215.5	-136.0	0.00	0.00	0.00
11,119.0	90.00	179.43	10,645.0	137.8	-215.5	-135.0	0.00	0.00	0.00
11,120.0	90.00	179.43	10,645.0	136.8	-215.5	-134.0	0.00	0.00	0.00
11,121.0	90.00	179.43	10,645.0	135.8	-215.5	-133.0	0.00	0.00	0.00
11,122.0	90.00	179.43	10,645.0	134.8	-215.5	-132.0	0.00	0.00	0.00
11,123.0	90.00	179.43	10,645.0	133.8	-215.5	-131.0	0.00	0.00	0.00
11,124.0	90.00	179.43	10,645.0	132.8	-215.5	-130.0	0.00	0.00	0.00
11,125.0	90.00	179.43	10,645.0	131.8	-215.5	-129.0	0.00	0.00	0.00
11,126.0	90.00	179.43	10,645.0	130.8	-215.5	-128.0	0.00	0.00	0.00
11,127.0	90.00	179.43	10,645.0	129.8	-215.5	-127.0	0.00	0.00	0.00
11,128.0	90.00	179.43	10,645.0	128.8	-215.4	-126.0	0.00	0.00	0.00
11,129.0	90.00	179.43	10,645.0	127.8	-215.4	-125.0	0.00	0.00	0.00
11,130.0	90.00	179.43	10,645.0	126.8	-215.4	-124.0	0.00	0.00	0.00
11,131.0	90.00	179.43	10,645.0	125.8	-215.4	-123.0	0.00	0.00	0.00
11,132.0	90.00	179.43	10,645.0	124.8	-215.4	-122.0	0.00	0.00	0.00
11,133.0	90.00	179.43	10,645.0	123.8	-215.4	-121.0	0.00	0.00	0.00
11,134.0	90.00	179.43	10,645.0	122.8	-215.4	-120.0	0.00	0.00	0.00
11,135.0	90.00	179.43	10,645.0	121.8	-215.4	-119.0	0.00	0.00	0.00
11,136.0	90.00	179.43	10,645.0	120.8	-215.4	-118.0	0.00	0.00	0.00
11,137.0	90.00	179.43	10,645.0	119.8	-215.4	-117.0	0.00	0.00	0.00
11,138.0	90.00	179.43	10,645.0	118.8	-215.3	-116.0	0.00	0.00	0.00
11,139.0	90.00	179.43	10,645.0	117.8	-215.3	-115.0	0.00	0.00	0.00
11,140.0	90.00	179.43	10,645.0	116.8	-215.3	-114.0	0.00	0.00	0.00
11,141.0	90.00	179.43	10,645.0	115.8	-215.3	-113.0	0.00	0.00	0.00
11,142.0	90.00	179.43	10,645.0	114.8	-215.3	-112.0	0.00	0.00	0.00
11,143.0	90.00	179.43	10,645.0	113.8	-215.3	-111.0	0.00	0.00	0.00
11,144.0	90.00	179.43	10,645.0	112.8	-215.3	-110.0	0.00	0.00	0.00
11,145.0	90.00	179.43	10,645.0	111.8	-215.3	-109.1	0.00	0.00	0.00
11,146.0	90.00	179.43	10,645.0	110.8	-215.3	-108.1	0.00	0.00	0.00
11,147.0	90.00	179.43	10,645.0	109.8	-215.3	-107.1	0.00	0.00	0.00
11,148.0	90.00	179.43	10,645.0	108.8	-215.2	-106.1	0.00	0.00	0.00
11,149.0	90.00	179.43	10,645.0	107.8	-215.2	-105.1	0.00	0.00	0.00
11,150.0	90.00	179.43	10,645.0	106.8	-215.2	-104.1	0.00	0.00	0.00
11,151.0	90.00	179.43	10,645.0	105.8	-215.2	-103.1	0.00	0.00	0.00
11,152.0	90.00	179.43	10,645.0	104.8	-215.2	-102.1	0.00	0.00	0.00
11,153.0	90.00	179.43	10,645.0	103.8	-215.2	-101.1	0.00	0.00	0.00
11,154.0	90.00	179.43	10,645.0	102.8	-215.2	-100.1	0.00	0.00	0.00
11,155.0	90.00	179.43	10,645.0	101.8	-215.2	-99.1	0.00	0.00	0.00
11,156.0	90.00	179.43	10,645.0	100.8	-215.2	-98.1	0.00	0.00	0.00
11,157.0	90.00	179.43	10,645.0	99.8	-215.2	-97.1	0.00	0.00	0.00
11,158.0	90.00	179.43	10,645.0	98.8	-215.1	-96.1	0.00	0.00	0.00
11,159.0	90.00	179.43	10,645.0	97.8	-215.1	-95.1	0.00	0.00	0.00
11,160.0	90.00	179.43	10,645.0	96.8	-215.1	-94.1	0.00	0.00	0.00
11,161.0	90.00	179.43	10,645.0	95.8	-215.1	-93.1	0.00	0.00	0.00
11,162.0	90.00	179.43	10,645.0	94.8	-215.1	-92.1	0.00	0.00	0.00
11,163.0	90.00	179.43	10,645.0	93.8	-215.1	-91.1	0.00	0.00	0.00
11,164.0	90.00	179.43	10,645.0	92.8	-215.1	-90.1	0.00	0.00	0.00
11,165.0	90.00	179.43	10,645.0	91.8	-215.1	-89.1	0.00	0.00	0.00
11,166.0	90.00	179.43	10,645.0	90.8	-215.1	-88.1	0.00	0.00	0.00
11,167.0	90.00	179.43	10,645.0	89.8	-215.1	-87.1	0.00	0.00	0.00
11,168.0	90.00	179.43	10,645.0	88.8	-215.0	-86.1	0.00	0.00	0.00
11,169.0	90.00	179.43	10,645.0	87.8	-215.0	-85.1	0.00	0.00	0.00
11,170.0	90.00	179.43	10,645.0	86.8	-215.0	-84.1	0.00	0.00	0.00
11,171.0	90.00	179.43	10,645.0	85.8	-215.0	-83.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,172.0	90.00	179.43	10,645.0	84.8	-215.0	-82.1	0.00	0.00	0.00
11,173.0	90.00	179.43	10,645.0	83.8	-215.0	-81.1	0.00	0.00	0.00
11,174.0	90.00	179.43	10,645.0	82.8	-215.0	-80.1	0.00	0.00	0.00
11,175.0	90.00	179.43	10,645.0	81.8	-215.0	-79.1	0.00	0.00	0.00
11,176.0	90.00	179.43	10,645.0	80.8	-215.0	-78.1	0.00	0.00	0.00
11,177.0	90.00	179.43	10,645.0	79.8	-215.0	-77.1	0.00	0.00	0.00
11,178.0	90.00	179.43	10,645.0	78.8	-214.9	-76.1	0.00	0.00	0.00
11,179.0	90.00	179.43	10,645.0	77.8	-214.9	-75.1	0.00	0.00	0.00
11,180.0	90.00	179.43	10,645.0	76.8	-214.9	-74.1	0.00	0.00	0.00
11,181.0	90.00	179.43	10,645.0	75.8	-214.9	-73.1	0.00	0.00	0.00
11,182.0	90.00	179.43	10,645.0	74.8	-214.9	-72.1	0.00	0.00	0.00
11,183.0	90.00	179.43	10,645.0	73.8	-214.9	-71.1	0.00	0.00	0.00
11,184.0	90.00	179.43	10,645.0	72.8	-214.9	-70.1	0.00	0.00	0.00
11,185.0	90.00	179.43	10,645.0	71.8	-214.9	-69.1	0.00	0.00	0.00
11,186.0	90.00	179.43	10,645.0	70.8	-214.9	-68.1	0.00	0.00	0.00
11,187.0	90.00	179.43	10,645.0	69.8	-214.9	-67.1	0.00	0.00	0.00
11,188.0	90.00	179.43	10,645.0	68.8	-214.8	-66.1	0.00	0.00	0.00
11,189.0	90.00	179.43	10,645.0	67.8	-214.8	-65.1	0.00	0.00	0.00
11,190.0	90.00	179.43	10,645.0	66.8	-214.8	-64.1	0.00	0.00	0.00
11,191.0	90.00	179.43	10,645.0	65.8	-214.8	-63.1	0.00	0.00	0.00
11,192.0	90.00	179.43	10,645.0	64.8	-214.8	-62.1	0.00	0.00	0.00
11,193.0	90.00	179.43	10,645.0	63.8	-214.8	-61.1	0.00	0.00	0.00
11,194.0	90.00	179.43	10,645.0	62.8	-214.8	-60.1	0.00	0.00	0.00
11,195.0	90.00	179.43	10,645.0	61.8	-214.8	-59.1	0.00	0.00	0.00
11,196.0	90.00	179.43	10,645.0	60.8	-214.8	-58.1	0.00	0.00	0.00
11,197.0	90.00	179.43	10,645.0	59.8	-214.8	-57.1	0.00	0.00	0.00
11,198.0	90.00	179.43	10,645.0	58.8	-214.7	-56.1	0.00	0.00	0.00
11,199.0	90.00	179.43	10,645.0	57.8	-214.7	-55.1	0.00	0.00	0.00
11,200.0	90.00	179.43	10,645.0	56.8	-214.7	-54.1	0.00	0.00	0.00
11,201.0	90.00	179.43	10,645.0	55.8	-214.7	-53.1	0.00	0.00	0.00
11,202.0	90.00	179.43	10,645.0	54.8	-214.7	-52.1	0.00	0.00	0.00
11,203.0	90.00	179.43	10,645.0	53.8	-214.7	-51.1	0.00	0.00	0.00
11,204.0	90.00	179.43	10,645.0	52.8	-214.7	-50.1	0.00	0.00	0.00
11,205.0	90.00	179.43	10,645.0	51.8	-214.7	-49.1	0.00	0.00	0.00
11,206.0	90.00	179.43	10,645.0	50.8	-214.7	-48.1	0.00	0.00	0.00
11,207.0	90.00	179.43	10,645.0	49.8	-214.7	-47.1	0.00	0.00	0.00
11,208.0	90.00	179.43	10,645.0	48.8	-214.6	-46.1	0.00	0.00	0.00
11,209.0	90.00	179.43	10,645.0	47.8	-214.6	-45.1	0.00	0.00	0.00
11,210.0	90.00	179.43	10,645.0	46.8	-214.6	-44.1	0.00	0.00	0.00
11,211.0	90.00	179.43	10,645.0	45.8	-214.6	-43.1	0.00	0.00	0.00
11,212.0	90.00	179.43	10,645.0	44.8	-214.6	-42.1	0.00	0.00	0.00
11,213.0	90.00	179.43	10,645.0	43.8	-214.6	-41.1	0.00	0.00	0.00
11,214.0	90.00	179.43	10,645.0	42.8	-214.6	-40.1	0.00	0.00	0.00
11,215.0	90.00	179.43	10,645.0	41.8	-214.6	-39.1	0.00	0.00	0.00
11,216.0	90.00	179.43	10,645.0	40.8	-214.6	-38.1	0.00	0.00	0.00
11,217.0	90.00	179.43	10,645.0	39.8	-214.6	-37.1	0.00	0.00	0.00
11,218.0	90.00	179.43	10,645.0	38.8	-214.5	-36.1	0.00	0.00	0.00
11,219.0	90.00	179.43	10,645.0	37.8	-214.5	-35.1	0.00	0.00	0.00
11,220.0	90.00	179.43	10,645.0	36.8	-214.5	-34.1	0.00	0.00	0.00
11,221.0	90.00	179.43	10,645.0	35.8	-214.5	-33.1	0.00	0.00	0.00
11,222.0	90.00	179.43	10,645.0	34.8	-214.5	-32.1	0.00	0.00	0.00
11,223.0	90.00	179.43	10,645.0	33.8	-214.5	-31.1	0.00	0.00	0.00
11,224.0	90.00	179.43	10,645.0	32.8	-214.5	-30.1	0.00	0.00	0.00
11,225.0	90.00	179.43	10,645.0	31.8	-214.5	-29.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,226.0	90.00	179.43	10,645.0	30.8	-214.5	-28.1	0.00	0.00	0.00
11,227.0	90.00	179.43	10,645.0	29.8	-214.5	-27.1	0.00	0.00	0.00
11,228.0	90.00	179.43	10,645.0	28.8	-214.4	-26.1	0.00	0.00	0.00
11,229.0	90.00	179.43	10,645.0	27.8	-214.4	-25.1	0.00	0.00	0.00
11,230.0	90.00	179.43	10,645.0	26.8	-214.4	-24.1	0.00	0.00	0.00
11,231.0	90.00	179.43	10,645.0	25.8	-214.4	-23.1	0.00	0.00	0.00
11,232.0	90.00	179.43	10,645.0	24.8	-214.4	-22.1	0.00	0.00	0.00
11,233.0	90.00	179.43	10,645.0	23.8	-214.4	-21.1	0.00	0.00	0.00
11,234.0	90.00	179.43	10,645.0	22.8	-214.4	-20.1	0.00	0.00	0.00
11,235.0	90.00	179.43	10,645.0	21.8	-214.4	-19.1	0.00	0.00	0.00
11,236.0	90.00	179.43	10,645.0	20.8	-214.4	-18.1	0.00	0.00	0.00
11,237.0	90.00	179.43	10,645.0	19.8	-214.4	-17.1	0.00	0.00	0.00
11,238.0	90.00	179.43	10,645.0	18.8	-214.3	-16.1	0.00	0.00	0.00
11,239.0	90.00	179.43	10,645.0	17.8	-214.3	-15.1	0.00	0.00	0.00
11,240.0	90.00	179.43	10,645.0	16.8	-214.3	-14.1	0.00	0.00	0.00
11,241.0	90.00	179.43	10,645.0	15.8	-214.3	-13.1	0.00	0.00	0.00
11,242.0	90.00	179.43	10,645.0	14.8	-214.3	-12.1	0.00	0.00	0.00
11,243.0	90.00	179.43	10,645.0	13.8	-214.3	-11.1	0.00	0.00	0.00
11,244.0	90.00	179.43	10,645.0	12.8	-214.3	-10.1	0.00	0.00	0.00
11,245.0	90.00	179.43	10,645.0	11.8	-214.3	-9.1	0.00	0.00	0.00
11,246.0	90.00	179.43	10,645.0	10.8	-214.3	-8.1	0.00	0.00	0.00
11,247.0	90.00	179.43	10,645.0	9.8	-214.3	-7.1	0.00	0.00	0.00
11,248.0	90.00	179.43	10,645.0	8.8	-214.2	-6.1	0.00	0.00	0.00
11,249.0	90.00	179.43	10,645.0	7.8	-214.2	-5.1	0.00	0.00	0.00
11,250.0	90.00	179.43	10,645.0	6.8	-214.2	-4.1	0.00	0.00	0.00
11,251.0	90.00	179.43	10,645.0	5.8	-214.2	-3.1	0.00	0.00	0.00
11,252.0	90.00	179.43	10,645.0	4.8	-214.2	-2.1	0.00	0.00	0.00
11,253.0	90.00	179.43	10,645.0	3.8	-214.2	-1.1	0.00	0.00	0.00
11,254.0	90.00	179.43	10,645.0	2.8	-214.2	-0.1	0.00	0.00	0.00
11,255.0	90.00	179.43	10,645.0	1.8	-214.2	0.9	0.00	0.00	0.00
11,256.0	90.00	179.43	10,645.0	0.8	-214.2	1.9	0.00	0.00	0.00
11,257.0	90.00	179.43	10,645.0	-0.2	-214.2	2.9	0.00	0.00	0.00
11,258.0	90.00	179.43	10,645.0	-1.2	-214.1	3.9	0.00	0.00	0.00
11,259.0	90.00	179.43	10,645.0	-2.2	-214.1	4.9	0.00	0.00	0.00
11,260.0	90.00	179.43	10,645.0	-3.2	-214.1	5.9	0.00	0.00	0.00
11,261.0	90.00	179.43	10,645.0	-4.2	-214.1	6.9	0.00	0.00	0.00
11,262.0	90.00	179.43	10,645.0	-5.2	-214.1	7.9	0.00	0.00	0.00
11,263.0	90.00	179.43	10,645.0	-6.2	-214.1	8.9	0.00	0.00	0.00
11,264.0	90.00	179.43	10,645.0	-7.2	-214.1	9.9	0.00	0.00	0.00
11,265.0	90.00	179.43	10,645.0	-8.2	-214.1	10.9	0.00	0.00	0.00
11,266.0	90.00	179.43	10,645.0	-9.2	-214.1	11.9	0.00	0.00	0.00
11,267.0	90.00	179.43	10,645.0	-10.2	-214.1	12.9	0.00	0.00	0.00
11,268.0	90.00	179.43	10,645.0	-11.2	-214.0	13.9	0.00	0.00	0.00
11,269.0	90.00	179.43	10,645.0	-12.2	-214.0	14.9	0.00	0.00	0.00
11,270.0	90.00	179.43	10,645.0	-13.2	-214.0	15.9	0.00	0.00	0.00
11,271.0	90.00	179.43	10,645.0	-14.2	-214.0	16.9	0.00	0.00	0.00
11,272.0	90.00	179.43	10,645.0	-15.2	-214.0	17.9	0.00	0.00	0.00
11,273.0	90.00	179.43	10,645.0	-16.2	-214.0	18.9	0.00	0.00	0.00
11,274.0	90.00	179.43	10,645.0	-17.2	-214.0	19.9	0.00	0.00	0.00
11,275.0	90.00	179.43	10,645.0	-18.2	-214.0	20.9	0.00	0.00	0.00
11,276.0	90.00	179.43	10,645.0	-19.2	-214.0	21.9	0.00	0.00	0.00
11,277.0	90.00	179.43	10,645.0	-20.2	-214.0	22.9	0.00	0.00	0.00
11,278.0	90.00	179.43	10,645.0	-21.2	-213.9	23.9	0.00	0.00	0.00
11,279.0	90.00	179.43	10,645.0	-22.2	-213.9	24.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,280.0	90.00	179.43	10,645.0	-23.2	-213.9	25.9	0.00	0.00	0.00
11,281.0	90.00	179.43	10,645.0	-24.2	-213.9	26.9	0.00	0.00	0.00
11,282.0	90.00	179.43	10,645.0	-25.2	-213.9	27.9	0.00	0.00	0.00
11,283.0	90.00	179.43	10,645.0	-26.2	-213.9	28.9	0.00	0.00	0.00
11,284.0	90.00	179.43	10,645.0	-27.2	-213.9	29.9	0.00	0.00	0.00
11,285.0	90.00	179.43	10,645.0	-28.2	-213.9	30.9	0.00	0.00	0.00
11,286.0	90.00	179.43	10,645.0	-29.2	-213.9	31.9	0.00	0.00	0.00
11,287.0	90.00	179.43	10,645.0	-30.2	-213.9	32.9	0.00	0.00	0.00
11,288.0	90.00	179.43	10,645.0	-31.2	-213.8	33.9	0.00	0.00	0.00
11,289.0	90.00	179.43	10,645.0	-32.2	-213.8	34.9	0.00	0.00	0.00
11,290.0	90.00	179.43	10,645.0	-33.2	-213.8	35.9	0.00	0.00	0.00
11,291.0	90.00	179.43	10,645.0	-34.2	-213.8	36.9	0.00	0.00	0.00
11,292.0	90.00	179.43	10,645.0	-35.2	-213.8	37.9	0.00	0.00	0.00
11,293.0	90.00	179.43	10,645.0	-36.2	-213.8	38.9	0.00	0.00	0.00
11,294.0	90.00	179.43	10,645.0	-37.2	-213.8	39.9	0.00	0.00	0.00
11,295.0	90.00	179.43	10,645.0	-38.2	-213.8	40.9	0.00	0.00	0.00
11,296.0	90.00	179.43	10,645.0	-39.2	-213.8	41.9	0.00	0.00	0.00
11,297.0	90.00	179.43	10,645.0	-40.2	-213.8	42.9	0.00	0.00	0.00
11,298.0	90.00	179.43	10,645.0	-41.2	-213.7	43.9	0.00	0.00	0.00
11,299.0	90.00	179.43	10,645.0	-42.2	-213.7	44.9	0.00	0.00	0.00
11,300.0	90.00	179.43	10,645.0	-43.2	-213.7	45.9	0.00	0.00	0.00
11,301.0	90.00	179.43	10,645.0	-44.2	-213.7	46.9	0.00	0.00	0.00
11,302.0	90.00	179.43	10,645.0	-45.2	-213.7	47.9	0.00	0.00	0.00
11,303.0	90.00	179.43	10,645.0	-46.2	-213.7	48.9	0.00	0.00	0.00
11,304.0	90.00	179.43	10,645.0	-47.2	-213.7	49.9	0.00	0.00	0.00
11,305.0	90.00	179.43	10,645.0	-48.2	-213.7	50.9	0.00	0.00	0.00
11,306.0	90.00	179.43	10,645.0	-49.2	-213.7	51.9	0.00	0.00	0.00
11,307.0	90.00	179.43	10,645.0	-50.2	-213.7	52.9	0.00	0.00	0.00
11,308.0	90.00	179.43	10,645.0	-51.2	-213.6	53.9	0.00	0.00	0.00
11,309.0	90.00	179.43	10,645.0	-52.2	-213.6	54.9	0.00	0.00	0.00
11,310.0	90.00	179.43	10,645.0	-53.2	-213.6	55.9	0.00	0.00	0.00
11,311.0	90.00	179.43	10,645.0	-54.2	-213.6	56.9	0.00	0.00	0.00
11,312.0	90.00	179.43	10,645.0	-55.2	-213.6	57.9	0.00	0.00	0.00
11,313.0	90.00	179.43	10,645.0	-56.2	-213.6	58.9	0.00	0.00	0.00
11,314.0	90.00	179.43	10,645.0	-57.2	-213.6	59.9	0.00	0.00	0.00
11,315.0	90.00	179.43	10,645.0	-58.2	-213.6	60.9	0.00	0.00	0.00
11,316.0	90.00	179.43	10,645.0	-59.2	-213.6	61.9	0.00	0.00	0.00
11,317.0	90.00	179.43	10,645.0	-60.2	-213.6	62.9	0.00	0.00	0.00
11,318.0	90.00	179.43	10,645.0	-61.2	-213.5	63.9	0.00	0.00	0.00
11,319.0	90.00	179.43	10,645.0	-62.2	-213.5	64.9	0.00	0.00	0.00
11,320.0	90.00	179.43	10,645.0	-63.2	-213.5	65.9	0.00	0.00	0.00
11,321.0	90.00	179.43	10,645.0	-64.2	-213.5	66.9	0.00	0.00	0.00
11,322.0	90.00	179.43	10,645.0	-65.2	-213.5	67.9	0.00	0.00	0.00
11,323.0	90.00	179.43	10,645.0	-66.2	-213.5	68.9	0.00	0.00	0.00
11,324.0	90.00	179.43	10,645.0	-67.2	-213.5	69.9	0.00	0.00	0.00
11,325.0	90.00	179.43	10,645.0	-68.2	-213.5	70.9	0.00	0.00	0.00
11,326.0	90.00	179.43	10,645.0	-69.2	-213.5	71.9	0.00	0.00	0.00
11,327.0	90.00	179.43	10,645.0	-70.2	-213.5	72.9	0.00	0.00	0.00
11,328.0	90.00	179.43	10,645.0	-71.2	-213.4	73.9	0.00	0.00	0.00
11,329.0	90.00	179.43	10,645.0	-72.2	-213.4	74.9	0.00	0.00	0.00
11,330.0	90.00	179.43	10,645.0	-73.2	-213.4	75.9	0.00	0.00	0.00
11,331.0	90.00	179.43	10,645.0	-74.2	-213.4	76.9	0.00	0.00	0.00
11,332.0	90.00	179.43	10,645.0	-75.2	-213.4	77.9	0.00	0.00	0.00
11,333.0	90.00	179.43	10,645.0	-76.2	-213.4	78.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,334.0	90.00	179.43	10,645.0	-77.2	-213.4	79.9	0.00	0.00	0.00
11,335.0	90.00	179.43	10,645.0	-78.2	-213.4	80.9	0.00	0.00	0.00
11,336.0	90.00	179.43	10,645.0	-79.2	-213.4	81.9	0.00	0.00	0.00
11,337.0	90.00	179.43	10,645.0	-80.2	-213.4	82.9	0.00	0.00	0.00
11,338.0	90.00	179.43	10,645.0	-81.2	-213.3	83.9	0.00	0.00	0.00
11,339.0	90.00	179.43	10,645.0	-82.2	-213.3	84.9	0.00	0.00	0.00
11,340.0	90.00	179.43	10,645.0	-83.2	-213.3	85.9	0.00	0.00	0.00
11,341.0	90.00	179.43	10,645.0	-84.2	-213.3	86.9	0.00	0.00	0.00
11,342.0	90.00	179.43	10,645.0	-85.2	-213.3	87.9	0.00	0.00	0.00
11,343.0	90.00	179.43	10,645.0	-86.2	-213.3	88.9	0.00	0.00	0.00
11,344.0	90.00	179.43	10,645.0	-87.2	-213.3	89.9	0.00	0.00	0.00
11,345.0	90.00	179.43	10,645.0	-88.2	-213.3	90.9	0.00	0.00	0.00
11,346.0	90.00	179.43	10,645.0	-89.2	-213.3	91.9	0.00	0.00	0.00
11,347.0	90.00	179.43	10,645.0	-90.2	-213.3	92.9	0.00	0.00	0.00
11,348.0	90.00	179.43	10,645.0	-91.2	-213.2	93.9	0.00	0.00	0.00
11,349.0	90.00	179.43	10,645.0	-92.2	-213.2	94.9	0.00	0.00	0.00
11,350.0	90.00	179.43	10,645.0	-93.2	-213.2	95.9	0.00	0.00	0.00
11,351.0	90.00	179.43	10,645.0	-94.2	-213.2	96.9	0.00	0.00	0.00
11,352.0	90.00	179.43	10,645.0	-95.2	-213.2	97.9	0.00	0.00	0.00
11,353.0	90.00	179.43	10,645.0	-96.2	-213.2	98.9	0.00	0.00	0.00
11,354.0	90.00	179.43	10,645.0	-97.2	-213.2	99.9	0.00	0.00	0.00
11,355.0	90.00	179.43	10,645.0	-98.2	-213.2	100.9	0.00	0.00	0.00
11,356.0	90.00	179.43	10,645.0	-99.2	-213.2	101.9	0.00	0.00	0.00
11,357.0	90.00	179.43	10,645.0	-100.2	-213.2	102.9	0.00	0.00	0.00
11,358.0	90.00	179.43	10,645.0	-101.2	-213.1	103.9	0.00	0.00	0.00
11,359.0	90.00	179.43	10,645.0	-102.2	-213.1	104.9	0.00	0.00	0.00
11,360.0	90.00	179.43	10,645.0	-103.2	-213.1	105.9	0.00	0.00	0.00
11,361.0	90.00	179.43	10,645.0	-104.2	-213.1	106.9	0.00	0.00	0.00
11,362.0	90.00	179.43	10,645.0	-105.2	-213.1	107.9	0.00	0.00	0.00
11,363.0	90.00	179.43	10,645.0	-106.2	-213.1	108.9	0.00	0.00	0.00
11,364.0	90.00	179.43	10,645.0	-107.2	-213.1	109.9	0.00	0.00	0.00
11,365.0	90.00	179.43	10,645.0	-108.2	-213.1	110.9	0.00	0.00	0.00
11,366.0	90.00	179.43	10,645.0	-109.2	-213.1	111.9	0.00	0.00	0.00
11,367.0	90.00	179.43	10,645.0	-110.2	-213.1	112.9	0.00	0.00	0.00
11,368.0	90.00	179.43	10,645.0	-111.2	-213.0	113.9	0.00	0.00	0.00
11,369.0	90.00	179.43	10,645.0	-112.2	-213.0	114.9	0.00	0.00	0.00
11,370.0	90.00	179.43	10,645.0	-113.2	-213.0	115.9	0.00	0.00	0.00
11,371.0	90.00	179.43	10,645.0	-114.2	-213.0	116.9	0.00	0.00	0.00
11,372.0	90.00	179.43	10,645.0	-115.2	-213.0	117.9	0.00	0.00	0.00
11,373.0	90.00	179.43	10,645.0	-116.2	-213.0	118.9	0.00	0.00	0.00
11,374.0	90.00	179.43	10,645.0	-117.2	-213.0	119.9	0.00	0.00	0.00
11,375.0	90.00	179.43	10,645.0	-118.2	-213.0	120.9	0.00	0.00	0.00
11,376.0	90.00	179.43	10,645.0	-119.2	-213.0	121.9	0.00	0.00	0.00
11,377.0	90.00	179.43	10,645.0	-120.2	-213.0	122.9	0.00	0.00	0.00
11,378.0	90.00	179.43	10,645.0	-121.2	-212.9	123.9	0.00	0.00	0.00
11,379.0	90.00	179.43	10,645.0	-122.2	-212.9	124.9	0.00	0.00	0.00
11,380.0	90.00	179.43	10,645.0	-123.2	-212.9	125.9	0.00	0.00	0.00
11,381.0	90.00	179.43	10,645.0	-124.2	-212.9	126.9	0.00	0.00	0.00
11,382.0	90.00	179.43	10,645.0	-125.2	-212.9	127.9	0.00	0.00	0.00
11,383.0	90.00	179.43	10,645.0	-126.2	-212.9	128.9	0.00	0.00	0.00
11,384.0	90.00	179.43	10,645.0	-127.2	-212.9	129.9	0.00	0.00	0.00
11,385.0	90.00	179.43	10,645.0	-128.2	-212.9	130.9	0.00	0.00	0.00
11,386.0	90.00	179.43	10,645.0	-129.2	-212.9	131.9	0.00	0.00	0.00
11,387.0	90.00	179.43	10,645.0	-130.2	-212.9	132.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,388.0	90.00	179.43	10,645.0	-131.2	-212.8	133.9	0.00	0.00	0.00
11,389.0	90.00	179.43	10,645.0	-132.2	-212.8	134.9	0.00	0.00	0.00
11,390.0	90.00	179.43	10,645.0	-133.2	-212.8	135.9	0.00	0.00	0.00
11,391.0	90.00	179.43	10,645.0	-134.2	-212.8	136.9	0.00	0.00	0.00
11,392.0	90.00	179.43	10,645.0	-135.2	-212.8	137.9	0.00	0.00	0.00
11,393.0	90.00	179.43	10,645.0	-136.2	-212.8	138.9	0.00	0.00	0.00
11,394.0	90.00	179.43	10,645.0	-137.2	-212.8	139.9	0.00	0.00	0.00
11,395.0	90.00	179.43	10,645.0	-138.2	-212.8	140.9	0.00	0.00	0.00
11,396.0	90.00	179.43	10,645.0	-139.2	-212.8	141.9	0.00	0.00	0.00
11,397.0	90.00	179.43	10,645.0	-140.2	-212.8	142.9	0.00	0.00	0.00
11,398.0	90.00	179.43	10,645.0	-141.2	-212.8	143.9	0.00	0.00	0.00
11,399.0	90.00	179.43	10,645.0	-142.2	-212.7	144.9	0.00	0.00	0.00
11,400.0	90.00	179.43	10,645.0	-143.2	-212.7	145.9	0.00	0.00	0.00
11,401.0	90.00	179.43	10,645.0	-144.2	-212.7	146.9	0.00	0.00	0.00
11,402.0	90.00	179.43	10,645.0	-145.2	-212.7	147.9	0.00	0.00	0.00
11,403.0	90.00	179.43	10,645.0	-146.2	-212.7	148.9	0.00	0.00	0.00
11,404.0	90.00	179.43	10,645.0	-147.2	-212.7	149.9	0.00	0.00	0.00
11,405.0	90.00	179.43	10,645.0	-148.2	-212.7	150.9	0.00	0.00	0.00
11,406.0	90.00	179.43	10,645.0	-149.2	-212.7	151.9	0.00	0.00	0.00
11,407.0	90.00	179.43	10,645.0	-150.2	-212.7	152.9	0.00	0.00	0.00
11,408.0	90.00	179.43	10,645.0	-151.2	-212.7	153.9	0.00	0.00	0.00
11,409.0	90.00	179.43	10,645.0	-152.2	-212.6	154.9	0.00	0.00	0.00
11,410.0	90.00	179.43	10,645.0	-153.2	-212.6	155.9	0.00	0.00	0.00
11,411.0	90.00	179.43	10,645.0	-154.2	-212.6	156.9	0.00	0.00	0.00
11,412.0	90.00	179.43	10,645.0	-155.2	-212.6	157.9	0.00	0.00	0.00
11,413.0	90.00	179.43	10,645.0	-156.2	-212.6	158.9	0.00	0.00	0.00
11,414.0	90.00	179.43	10,645.0	-157.2	-212.6	159.9	0.00	0.00	0.00
11,415.0	90.00	179.43	10,645.0	-158.2	-212.6	160.9	0.00	0.00	0.00
11,416.0	90.00	179.43	10,645.0	-159.2	-212.6	161.9	0.00	0.00	0.00
11,417.0	90.00	179.43	10,645.0	-160.2	-212.6	162.9	0.00	0.00	0.00
11,418.0	90.00	179.43	10,645.0	-161.2	-212.6	163.9	0.00	0.00	0.00
11,419.0	90.00	179.43	10,645.0	-162.2	-212.5	164.9	0.00	0.00	0.00
11,420.0	90.00	179.43	10,645.0	-163.2	-212.5	165.9	0.00	0.00	0.00
11,421.0	90.00	179.43	10,645.0	-164.2	-212.5	166.9	0.00	0.00	0.00
11,422.0	90.00	179.43	10,645.0	-165.2	-212.5	167.9	0.00	0.00	0.00
11,423.0	90.00	179.43	10,645.0	-166.2	-212.5	168.9	0.00	0.00	0.00
11,424.0	90.00	179.43	10,645.0	-167.2	-212.5	169.9	0.00	0.00	0.00
11,425.0	90.00	179.43	10,645.0	-168.2	-212.5	170.9	0.00	0.00	0.00
11,426.0	90.00	179.43	10,645.0	-169.2	-212.5	171.9	0.00	0.00	0.00
11,427.0	90.00	179.43	10,645.0	-170.2	-212.5	172.9	0.00	0.00	0.00
11,428.0	90.00	179.43	10,645.0	-171.2	-212.5	173.9	0.00	0.00	0.00
11,429.0	90.00	179.43	10,645.0	-172.2	-212.4	174.9	0.00	0.00	0.00
11,430.0	90.00	179.43	10,645.0	-173.2	-212.4	175.9	0.00	0.00	0.00
11,431.0	90.00	179.43	10,645.0	-174.2	-212.4	176.9	0.00	0.00	0.00
11,432.0	90.00	179.43	10,645.0	-175.2	-212.4	177.9	0.00	0.00	0.00
11,433.0	90.00	179.43	10,645.0	-176.2	-212.4	178.9	0.00	0.00	0.00
11,434.0	90.00	179.43	10,645.0	-177.2	-212.4	179.9	0.00	0.00	0.00
11,435.0	90.00	179.43	10,645.0	-178.2	-212.4	180.9	0.00	0.00	0.00
11,436.0	90.00	179.43	10,645.0	-179.2	-212.4	181.9	0.00	0.00	0.00
11,437.0	90.00	179.43	10,645.0	-180.2	-212.4	182.9	0.00	0.00	0.00
11,438.0	90.00	179.43	10,645.0	-181.2	-212.4	183.9	0.00	0.00	0.00
11,439.0	90.00	179.43	10,645.0	-182.2	-212.3	184.9	0.00	0.00	0.00
11,440.0	90.00	179.43	10,645.0	-183.2	-212.3	185.9	0.00	0.00	0.00
11,441.0	90.00	179.43	10,645.0	-184.2	-212.3	186.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,442.0	90.00	179.43	10,645.0	-185.2	-212.3	187.9	0.00	0.00	0.00
11,443.0	90.00	179.43	10,645.0	-186.2	-212.3	188.9	0.00	0.00	0.00
11,444.0	90.00	179.43	10,645.0	-187.2	-212.3	189.9	0.00	0.00	0.00
11,445.0	90.00	179.43	10,645.0	-188.2	-212.3	190.9	0.00	0.00	0.00
11,446.0	90.00	179.43	10,645.0	-189.2	-212.3	191.9	0.00	0.00	0.00
11,447.0	90.00	179.43	10,645.0	-190.2	-212.3	192.9	0.00	0.00	0.00
11,448.0	90.00	179.43	10,645.0	-191.2	-212.3	193.9	0.00	0.00	0.00
11,449.0	90.00	179.43	10,645.0	-192.2	-212.2	194.9	0.00	0.00	0.00
11,450.0	90.00	179.43	10,645.0	-193.2	-212.2	195.9	0.00	0.00	0.00
11,451.0	90.00	179.43	10,645.0	-194.2	-212.2	196.9	0.00	0.00	0.00
11,452.0	90.00	179.43	10,645.0	-195.2	-212.2	197.9	0.00	0.00	0.00
11,453.0	90.00	179.43	10,645.0	-196.2	-212.2	198.9	0.00	0.00	0.00
11,454.0	90.00	179.43	10,645.0	-197.2	-212.2	199.9	0.00	0.00	0.00
11,455.0	90.00	179.43	10,645.0	-198.2	-212.2	200.9	0.00	0.00	0.00
11,456.0	90.00	179.43	10,645.0	-199.2	-212.2	201.9	0.00	0.00	0.00
11,457.0	90.00	179.43	10,645.0	-200.2	-212.2	202.9	0.00	0.00	0.00
11,458.0	90.00	179.43	10,645.0	-201.2	-212.2	203.9	0.00	0.00	0.00
11,459.0	90.00	179.43	10,645.0	-202.2	-212.1	204.9	0.00	0.00	0.00
11,460.0	90.00	179.43	10,645.0	-203.2	-212.1	205.9	0.00	0.00	0.00
11,461.0	90.00	179.43	10,645.0	-204.2	-212.1	206.9	0.00	0.00	0.00
11,462.0	90.00	179.43	10,645.0	-205.2	-212.1	207.9	0.00	0.00	0.00
11,463.0	90.00	179.43	10,645.0	-206.2	-212.1	208.9	0.00	0.00	0.00
11,464.0	90.00	179.43	10,645.0	-207.2	-212.1	209.9	0.00	0.00	0.00
11,465.0	90.00	179.43	10,645.0	-208.2	-212.1	210.9	0.00	0.00	0.00
11,466.0	90.00	179.43	10,645.0	-209.2	-212.1	211.9	0.00	0.00	0.00
11,467.0	90.00	179.43	10,645.0	-210.2	-212.1	212.9	0.00	0.00	0.00
11,468.0	90.00	179.43	10,645.0	-211.2	-212.1	213.9	0.00	0.00	0.00
11,469.0	90.00	179.43	10,645.0	-212.2	-212.0	214.9	0.00	0.00	0.00
11,470.0	90.00	179.43	10,645.0	-213.2	-212.0	215.9	0.00	0.00	0.00
11,471.0	90.00	179.43	10,645.0	-214.2	-212.0	216.9	0.00	0.00	0.00
11,472.0	90.00	179.43	10,645.0	-215.2	-212.0	217.9	0.00	0.00	0.00
11,473.0	90.00	179.43	10,645.0	-216.2	-212.0	218.9	0.00	0.00	0.00
11,474.0	90.00	179.43	10,645.0	-217.2	-212.0	219.9	0.00	0.00	0.00
11,475.0	90.00	179.43	10,645.0	-218.2	-212.0	220.9	0.00	0.00	0.00
11,476.0	90.00	179.43	10,645.0	-219.2	-212.0	221.9	0.00	0.00	0.00
11,477.0	90.00	179.43	10,645.0	-220.2	-212.0	222.9	0.00	0.00	0.00
11,478.0	90.00	179.43	10,645.0	-221.2	-212.0	223.9	0.00	0.00	0.00
11,479.0	90.00	179.43	10,645.0	-222.2	-211.9	224.9	0.00	0.00	0.00
11,480.0	90.00	179.43	10,645.0	-223.2	-211.9	225.9	0.00	0.00	0.00
11,481.0	90.00	179.43	10,645.0	-224.2	-211.9	226.9	0.00	0.00	0.00
11,482.0	90.00	179.43	10,645.0	-225.2	-211.9	227.9	0.00	0.00	0.00
11,483.0	90.00	179.43	10,645.0	-226.2	-211.9	228.9	0.00	0.00	0.00
11,484.0	90.00	179.43	10,645.0	-227.2	-211.9	229.9	0.00	0.00	0.00
11,485.0	90.00	179.43	10,645.0	-228.2	-211.9	230.9	0.00	0.00	0.00
11,486.0	90.00	179.43	10,645.0	-229.2	-211.9	231.9	0.00	0.00	0.00
11,487.0	90.00	179.43	10,645.0	-230.2	-211.9	232.9	0.00	0.00	0.00
11,488.0	90.00	179.43	10,645.0	-231.2	-211.9	233.9	0.00	0.00	0.00
11,489.0	90.00	179.43	10,645.0	-232.2	-211.8	234.9	0.00	0.00	0.00
11,490.0	90.00	179.43	10,645.0	-233.2	-211.8	235.9	0.00	0.00	0.00
11,491.0	90.00	179.43	10,645.0	-234.2	-211.8	236.9	0.00	0.00	0.00
11,492.0	90.00	179.43	10,645.0	-235.2	-211.8	237.9	0.00	0.00	0.00
11,493.0	90.00	179.43	10,645.0	-236.2	-211.8	238.9	0.00	0.00	0.00
11,494.0	90.00	179.43	10,645.0	-237.2	-211.8	239.9	0.00	0.00	0.00
11,495.0	90.00	179.43	10,645.0	-238.2	-211.8	240.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,496.0	90.00	179.43	10,645.0	-239.2	-211.8	241.9	0.00	0.00	0.00
11,497.0	90.00	179.43	10,645.0	-240.2	-211.8	242.9	0.00	0.00	0.00
11,498.0	90.00	179.43	10,645.0	-241.2	-211.8	243.9	0.00	0.00	0.00
11,499.0	90.00	179.43	10,645.0	-242.2	-211.7	244.9	0.00	0.00	0.00
11,500.0	90.00	179.43	10,645.0	-243.2	-211.7	245.9	0.00	0.00	0.00
11,501.0	90.00	179.43	10,645.0	-244.2	-211.7	246.9	0.00	0.00	0.00
11,502.0	90.00	179.43	10,645.0	-245.2	-211.7	247.9	0.00	0.00	0.00
11,503.0	90.00	179.43	10,645.0	-246.2	-211.7	248.9	0.00	0.00	0.00
11,504.0	90.00	179.43	10,645.0	-247.2	-211.7	249.9	0.00	0.00	0.00
11,505.0	90.00	179.43	10,645.0	-248.2	-211.7	250.9	0.00	0.00	0.00
11,506.0	90.00	179.43	10,645.0	-249.2	-211.7	251.9	0.00	0.00	0.00
11,507.0	90.00	179.43	10,645.0	-250.2	-211.7	252.9	0.00	0.00	0.00
11,508.0	90.00	179.43	10,645.0	-251.2	-211.7	253.9	0.00	0.00	0.00
11,509.0	90.00	179.43	10,645.0	-252.2	-211.6	254.9	0.00	0.00	0.00
11,510.0	90.00	179.43	10,645.0	-253.2	-211.6	255.9	0.00	0.00	0.00
11,511.0	90.00	179.43	10,645.0	-254.2	-211.6	256.9	0.00	0.00	0.00
11,512.0	90.00	179.43	10,645.0	-255.2	-211.6	257.9	0.00	0.00	0.00
11,513.0	90.00	179.43	10,645.0	-256.2	-211.6	258.9	0.00	0.00	0.00
11,514.0	90.00	179.43	10,645.0	-257.2	-211.6	259.9	0.00	0.00	0.00
11,515.0	90.00	179.43	10,645.0	-258.2	-211.6	260.9	0.00	0.00	0.00
11,516.0	90.00	179.43	10,645.0	-259.2	-211.6	261.9	0.00	0.00	0.00
11,517.0	90.00	179.43	10,645.0	-260.2	-211.6	262.9	0.00	0.00	0.00
11,518.0	90.00	179.43	10,645.0	-261.2	-211.6	263.9	0.00	0.00	0.00
11,519.0	90.00	179.43	10,645.0	-262.2	-211.5	264.9	0.00	0.00	0.00
11,520.0	90.00	179.43	10,645.0	-263.2	-211.5	265.9	0.00	0.00	0.00
11,521.0	90.00	179.43	10,645.0	-264.2	-211.5	266.9	0.00	0.00	0.00
11,522.0	90.00	179.43	10,645.0	-265.2	-211.5	267.9	0.00	0.00	0.00
11,523.0	90.00	179.43	10,645.0	-266.2	-211.5	268.9	0.00	0.00	0.00
11,524.0	90.00	179.43	10,645.0	-267.2	-211.5	269.9	0.00	0.00	0.00
11,525.0	90.00	179.43	10,645.0	-268.2	-211.5	270.9	0.00	0.00	0.00
11,526.0	90.00	179.43	10,645.0	-269.2	-211.5	271.9	0.00	0.00	0.00
11,527.0	90.00	179.43	10,645.0	-270.2	-211.5	272.9	0.00	0.00	0.00
11,528.0	90.00	179.43	10,645.0	-271.2	-211.5	273.9	0.00	0.00	0.00
11,529.0	90.00	179.43	10,645.0	-272.2	-211.4	274.9	0.00	0.00	0.00
11,530.0	90.00	179.43	10,645.0	-273.2	-211.4	275.9	0.00	0.00	0.00
11,531.0	90.00	179.43	10,645.0	-274.2	-211.4	276.9	0.00	0.00	0.00
11,532.0	90.00	179.43	10,645.0	-275.2	-211.4	277.9	0.00	0.00	0.00
11,533.0	90.00	179.43	10,645.0	-276.2	-211.4	278.9	0.00	0.00	0.00
11,534.0	90.00	179.43	10,645.0	-277.2	-211.4	279.9	0.00	0.00	0.00
11,535.0	90.00	179.43	10,645.0	-278.2	-211.4	280.9	0.00	0.00	0.00
11,536.0	90.00	179.43	10,645.0	-279.2	-211.4	281.9	0.00	0.00	0.00
11,537.0	90.00	179.43	10,645.0	-280.2	-211.4	282.9	0.00	0.00	0.00
11,538.0	90.00	179.43	10,645.0	-281.2	-211.4	283.9	0.00	0.00	0.00
11,539.0	90.00	179.43	10,645.0	-282.2	-211.3	284.8	0.00	0.00	0.00
11,540.0	90.00	179.43	10,645.0	-283.2	-211.3	285.8	0.00	0.00	0.00
11,541.0	90.00	179.43	10,645.0	-284.2	-211.3	286.8	0.00	0.00	0.00
11,542.0	90.00	179.43	10,645.0	-285.2	-211.3	287.8	0.00	0.00	0.00
11,543.0	90.00	179.43	10,645.0	-286.2	-211.3	288.8	0.00	0.00	0.00
11,544.0	90.00	179.43	10,645.0	-287.2	-211.3	289.8	0.00	0.00	0.00
11,545.0	90.00	179.43	10,645.0	-288.2	-211.3	290.8	0.00	0.00	0.00
11,546.0	90.00	179.43	10,645.0	-289.2	-211.3	291.8	0.00	0.00	0.00
11,547.0	90.00	179.43	10,645.0	-290.2	-211.3	292.8	0.00	0.00	0.00
11,548.0	90.00	179.43	10,645.0	-291.2	-211.3	293.8	0.00	0.00	0.00
11,549.0	90.00	179.43	10,645.0	-292.2	-211.2	294.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,550.0	90.00	179.43	10,645.0	-293.2	-211.2	295.8	0.00	0.00	0.00
11,551.0	90.00	179.43	10,645.0	-294.2	-211.2	296.8	0.00	0.00	0.00
11,552.0	90.00	179.43	10,645.0	-295.2	-211.2	297.8	0.00	0.00	0.00
11,553.0	90.00	179.43	10,645.0	-296.2	-211.2	298.8	0.00	0.00	0.00
11,554.0	90.00	179.43	10,645.0	-297.2	-211.2	299.8	0.00	0.00	0.00
11,555.0	90.00	179.43	10,645.0	-298.2	-211.2	300.8	0.00	0.00	0.00
11,556.0	90.00	179.43	10,645.0	-299.2	-211.2	301.8	0.00	0.00	0.00
11,557.0	90.00	179.43	10,645.0	-300.2	-211.2	302.8	0.00	0.00	0.00
11,558.0	90.00	179.43	10,645.0	-301.2	-211.2	303.8	0.00	0.00	0.00
11,559.0	90.00	179.43	10,645.0	-302.2	-211.1	304.8	0.00	0.00	0.00
11,560.0	90.00	179.43	10,645.0	-303.2	-211.1	305.8	0.00	0.00	0.00
11,561.0	90.00	179.43	10,645.0	-304.2	-211.1	306.8	0.00	0.00	0.00
11,562.0	90.00	179.43	10,645.0	-305.2	-211.1	307.8	0.00	0.00	0.00
11,563.0	90.00	179.43	10,645.0	-306.2	-211.1	308.8	0.00	0.00	0.00
11,564.0	90.00	179.43	10,645.0	-307.2	-211.1	309.8	0.00	0.00	0.00
11,565.0	90.00	179.43	10,645.0	-308.2	-211.1	310.8	0.00	0.00	0.00
11,566.0	90.00	179.43	10,645.0	-309.2	-211.1	311.8	0.00	0.00	0.00
11,567.0	90.00	179.43	10,645.0	-310.2	-211.1	312.8	0.00	0.00	0.00
11,568.0	90.00	179.43	10,645.0	-311.2	-211.1	313.8	0.00	0.00	0.00
11,569.0	90.00	179.43	10,645.0	-312.2	-211.0	314.8	0.00	0.00	0.00
11,570.0	90.00	179.43	10,645.0	-313.2	-211.0	315.8	0.00	0.00	0.00
11,571.0	90.00	179.43	10,645.0	-314.2	-211.0	316.8	0.00	0.00	0.00
11,572.0	90.00	179.43	10,645.0	-315.2	-211.0	317.8	0.00	0.00	0.00
11,573.0	90.00	179.43	10,645.0	-316.2	-211.0	318.8	0.00	0.00	0.00
11,574.0	90.00	179.43	10,645.0	-317.2	-211.0	319.8	0.00	0.00	0.00
11,575.0	90.00	179.43	10,645.0	-318.2	-211.0	320.8	0.00	0.00	0.00
11,576.0	90.00	179.43	10,645.0	-319.2	-211.0	321.8	0.00	0.00	0.00
11,577.0	90.00	179.43	10,645.0	-320.2	-211.0	322.8	0.00	0.00	0.00
11,578.0	90.00	179.43	10,645.0	-321.2	-211.0	323.8	0.00	0.00	0.00
11,579.0	90.00	179.43	10,645.0	-322.2	-210.9	324.8	0.00	0.00	0.00
11,580.0	90.00	179.43	10,645.0	-323.2	-210.9	325.8	0.00	0.00	0.00
11,581.0	90.00	179.43	10,645.0	-324.2	-210.9	326.8	0.00	0.00	0.00
11,582.0	90.00	179.43	10,645.0	-325.2	-210.9	327.8	0.00	0.00	0.00
11,583.0	90.00	179.43	10,645.0	-326.2	-210.9	328.8	0.00	0.00	0.00
11,584.0	90.00	179.43	10,645.0	-327.2	-210.9	329.8	0.00	0.00	0.00
11,585.0	90.00	179.43	10,645.0	-328.2	-210.9	330.8	0.00	0.00	0.00
11,586.0	90.00	179.43	10,645.0	-329.2	-210.9	331.8	0.00	0.00	0.00
11,587.0	90.00	179.43	10,645.0	-330.2	-210.9	332.8	0.00	0.00	0.00
11,588.0	90.00	179.43	10,645.0	-331.2	-210.9	333.8	0.00	0.00	0.00
11,589.0	90.00	179.43	10,645.0	-332.2	-210.8	334.8	0.00	0.00	0.00
11,590.0	90.00	179.43	10,645.0	-333.2	-210.8	335.8	0.00	0.00	0.00
11,591.0	90.00	179.43	10,645.0	-334.2	-210.8	336.8	0.00	0.00	0.00
11,592.0	90.00	179.43	10,645.0	-335.2	-210.8	337.8	0.00	0.00	0.00
11,593.0	90.00	179.43	10,645.0	-336.2	-210.8	338.8	0.00	0.00	0.00
11,594.0	90.00	179.43	10,645.0	-337.2	-210.8	339.8	0.00	0.00	0.00
11,595.0	90.00	179.43	10,645.0	-338.2	-210.8	340.8	0.00	0.00	0.00
11,596.0	90.00	179.43	10,645.0	-339.2	-210.8	341.8	0.00	0.00	0.00
11,597.0	90.00	179.43	10,645.0	-340.2	-210.8	342.8	0.00	0.00	0.00
11,598.0	90.00	179.43	10,645.0	-341.2	-210.8	343.8	0.00	0.00	0.00
11,599.0	90.00	179.43	10,645.0	-342.2	-210.7	344.8	0.00	0.00	0.00
11,600.0	90.00	179.43	10,645.0	-343.2	-210.7	345.8	0.00	0.00	0.00
11,601.0	90.00	179.43	10,645.0	-344.2	-210.7	346.8	0.00	0.00	0.00
11,602.0	90.00	179.43	10,645.0	-345.2	-210.7	347.8	0.00	0.00	0.00
11,603.0	90.00	179.43	10,645.0	-346.2	-210.7	348.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,604.0	90.00	179.43	10,645.0	-347.2	-210.7	349.8	0.00	0.00	0.00
11,605.0	90.00	179.43	10,645.0	-348.2	-210.7	350.8	0.00	0.00	0.00
11,606.0	90.00	179.43	10,645.0	-349.2	-210.7	351.8	0.00	0.00	0.00
11,607.0	90.00	179.43	10,645.0	-350.2	-210.7	352.8	0.00	0.00	0.00
11,608.0	90.00	179.43	10,645.0	-351.2	-210.7	353.8	0.00	0.00	0.00
11,609.0	90.00	179.43	10,645.0	-352.2	-210.6	354.8	0.00	0.00	0.00
11,610.0	90.00	179.43	10,645.0	-353.2	-210.6	355.8	0.00	0.00	0.00
11,611.0	90.00	179.43	10,645.0	-354.2	-210.6	356.8	0.00	0.00	0.00
11,612.0	90.00	179.43	10,645.0	-355.2	-210.6	357.8	0.00	0.00	0.00
11,613.0	90.00	179.43	10,645.0	-356.2	-210.6	358.8	0.00	0.00	0.00
11,614.0	90.00	179.43	10,645.0	-357.2	-210.6	359.8	0.00	0.00	0.00
11,615.0	90.00	179.43	10,645.0	-358.2	-210.6	360.8	0.00	0.00	0.00
11,616.0	90.00	179.43	10,645.0	-359.2	-210.6	361.8	0.00	0.00	0.00
11,617.0	90.00	179.43	10,645.0	-360.2	-210.6	362.8	0.00	0.00	0.00
11,618.0	90.00	179.43	10,645.0	-361.2	-210.6	363.8	0.00	0.00	0.00
11,619.0	90.00	179.43	10,645.0	-362.2	-210.5	364.8	0.00	0.00	0.00
11,620.0	90.00	179.43	10,645.0	-363.2	-210.5	365.8	0.00	0.00	0.00
11,621.0	90.00	179.43	10,645.0	-364.2	-210.5	366.8	0.00	0.00	0.00
11,622.0	90.00	179.43	10,645.0	-365.2	-210.5	367.8	0.00	0.00	0.00
11,623.0	90.00	179.43	10,645.0	-366.2	-210.5	368.8	0.00	0.00	0.00
11,624.0	90.00	179.43	10,645.0	-367.2	-210.5	369.8	0.00	0.00	0.00
11,625.0	90.00	179.43	10,645.0	-368.2	-210.5	370.8	0.00	0.00	0.00
11,626.0	90.00	179.43	10,645.0	-369.2	-210.5	371.8	0.00	0.00	0.00
11,627.0	90.00	179.43	10,645.0	-370.2	-210.5	372.8	0.00	0.00	0.00
11,628.0	90.00	179.43	10,645.0	-371.2	-210.5	373.8	0.00	0.00	0.00
11,629.0	90.00	179.43	10,645.0	-372.2	-210.4	374.8	0.00	0.00	0.00
11,630.0	90.00	179.43	10,645.0	-373.2	-210.4	375.8	0.00	0.00	0.00
11,631.0	90.00	179.43	10,645.0	-374.2	-210.4	376.8	0.00	0.00	0.00
11,632.0	90.00	179.43	10,645.0	-375.2	-210.4	377.8	0.00	0.00	0.00
11,633.0	90.00	179.43	10,645.0	-376.2	-210.4	378.8	0.00	0.00	0.00
11,634.0	90.00	179.43	10,645.0	-377.2	-210.4	379.8	0.00	0.00	0.00
11,635.0	90.00	179.43	10,645.0	-378.2	-210.4	380.8	0.00	0.00	0.00
11,636.0	90.00	179.43	10,645.0	-379.2	-210.4	381.8	0.00	0.00	0.00
11,637.0	90.00	179.43	10,645.0	-380.2	-210.4	382.8	0.00	0.00	0.00
11,638.0	90.00	179.43	10,645.0	-381.2	-210.4	383.8	0.00	0.00	0.00
11,639.0	90.00	179.43	10,645.0	-382.2	-210.3	384.8	0.00	0.00	0.00
11,640.0	90.00	179.43	10,645.0	-383.2	-210.3	385.8	0.00	0.00	0.00
11,641.0	90.00	179.43	10,645.0	-384.2	-210.3	386.8	0.00	0.00	0.00
11,642.0	90.00	179.43	10,645.0	-385.2	-210.3	387.8	0.00	0.00	0.00
11,643.0	90.00	179.43	10,645.0	-386.2	-210.3	388.8	0.00	0.00	0.00
11,644.0	90.00	179.43	10,645.0	-387.2	-210.3	389.8	0.00	0.00	0.00
11,645.0	90.00	179.43	10,645.0	-388.2	-210.3	390.8	0.00	0.00	0.00
11,646.0	90.00	179.43	10,645.0	-389.2	-210.3	391.8	0.00	0.00	0.00
11,647.0	90.00	179.43	10,645.0	-390.2	-210.3	392.8	0.00	0.00	0.00
11,648.0	90.00	179.43	10,645.0	-391.2	-210.3	393.8	0.00	0.00	0.00
11,649.0	90.00	179.43	10,645.0	-392.2	-210.2	394.8	0.00	0.00	0.00
11,650.0	90.00	179.43	10,645.0	-393.2	-210.2	395.8	0.00	0.00	0.00
11,651.0	90.00	179.43	10,645.0	-394.2	-210.2	396.8	0.00	0.00	0.00
11,652.0	90.00	179.43	10,645.0	-395.2	-210.2	397.8	0.00	0.00	0.00
11,653.0	90.00	179.43	10,645.0	-396.2	-210.2	398.8	0.00	0.00	0.00
11,654.0	90.00	179.43	10,645.0	-397.2	-210.2	399.8	0.00	0.00	0.00
11,655.0	90.00	179.43	10,645.0	-398.2	-210.2	400.8	0.00	0.00	0.00
11,656.0	90.00	179.43	10,645.0	-399.2	-210.2	401.8	0.00	0.00	0.00
11,657.0	90.00	179.43	10,645.0	-400.2	-210.2	402.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,658.0	90.00	179.43	10,645.0	-401.2	-210.2	403.8	0.00	0.00	0.00
11,659.0	90.00	179.43	10,645.0	-402.2	-210.1	404.8	0.00	0.00	0.00
11,660.0	90.00	179.43	10,645.0	-403.2	-210.1	405.8	0.00	0.00	0.00
11,661.0	90.00	179.43	10,645.0	-404.2	-210.1	406.8	0.00	0.00	0.00
11,662.0	90.00	179.43	10,645.0	-405.2	-210.1	407.8	0.00	0.00	0.00
11,663.0	90.00	179.43	10,645.0	-406.2	-210.1	408.8	0.00	0.00	0.00
11,664.0	90.00	179.43	10,645.0	-407.2	-210.1	409.8	0.00	0.00	0.00
11,665.0	90.00	179.43	10,645.0	-408.2	-210.1	410.8	0.00	0.00	0.00
11,666.0	90.00	179.43	10,645.0	-409.2	-210.1	411.8	0.00	0.00	0.00
11,667.0	90.00	179.43	10,645.0	-410.2	-210.1	412.8	0.00	0.00	0.00
11,668.0	90.00	179.43	10,645.0	-411.2	-210.1	413.8	0.00	0.00	0.00
11,669.0	90.00	179.43	10,645.0	-412.2	-210.0	414.8	0.00	0.00	0.00
11,670.0	90.00	179.43	10,645.0	-413.2	-210.0	415.8	0.00	0.00	0.00
11,671.0	90.00	179.43	10,645.0	-414.2	-210.0	416.8	0.00	0.00	0.00
11,672.0	90.00	179.43	10,645.0	-415.2	-210.0	417.8	0.00	0.00	0.00
11,673.0	90.00	179.43	10,645.0	-416.2	-210.0	418.8	0.00	0.00	0.00
11,674.0	90.00	179.43	10,645.0	-417.2	-210.0	419.8	0.00	0.00	0.00
11,675.0	90.00	179.43	10,645.0	-418.2	-210.0	420.8	0.00	0.00	0.00
11,676.0	90.00	179.43	10,645.0	-419.2	-210.0	421.8	0.00	0.00	0.00
11,677.0	90.00	179.43	10,645.0	-420.2	-210.0	422.8	0.00	0.00	0.00
11,678.0	90.00	179.43	10,645.0	-421.2	-210.0	423.8	0.00	0.00	0.00
11,679.0	90.00	179.43	10,645.0	-422.2	-209.9	424.8	0.00	0.00	0.00
11,680.0	90.00	179.43	10,645.0	-423.2	-209.9	425.8	0.00	0.00	0.00
11,681.0	90.00	179.43	10,645.0	-424.2	-209.9	426.8	0.00	0.00	0.00
11,682.0	90.00	179.43	10,645.0	-425.2	-209.9	427.8	0.00	0.00	0.00
11,683.0	90.00	179.43	10,645.0	-426.2	-209.9	428.8	0.00	0.00	0.00
11,684.0	90.00	179.43	10,645.0	-427.2	-209.9	429.8	0.00	0.00	0.00
11,685.0	90.00	179.43	10,645.0	-428.2	-209.9	430.8	0.00	0.00	0.00
11,686.0	90.00	179.43	10,645.0	-429.2	-209.9	431.8	0.00	0.00	0.00
11,687.0	90.00	179.43	10,645.0	-430.2	-209.9	432.8	0.00	0.00	0.00
11,688.0	90.00	179.43	10,645.0	-431.2	-209.9	433.8	0.00	0.00	0.00
11,689.0	90.00	179.43	10,645.0	-432.2	-209.9	434.8	0.00	0.00	0.00
11,690.0	90.00	179.43	10,645.0	-433.2	-209.8	435.8	0.00	0.00	0.00
11,691.0	90.00	179.43	10,645.0	-434.2	-209.8	436.8	0.00	0.00	0.00
11,692.0	90.00	179.43	10,645.0	-435.2	-209.8	437.8	0.00	0.00	0.00
11,693.0	90.00	179.43	10,645.0	-436.2	-209.8	438.8	0.00	0.00	0.00
11,694.0	90.00	179.43	10,645.0	-437.2	-209.8	439.8	0.00	0.00	0.00
11,695.0	90.00	179.43	10,645.0	-438.2	-209.8	440.8	0.00	0.00	0.00
11,696.0	90.00	179.43	10,645.0	-439.2	-209.8	441.8	0.00	0.00	0.00
11,697.0	90.00	179.43	10,645.0	-440.2	-209.8	442.8	0.00	0.00	0.00
11,698.0	90.00	179.43	10,645.0	-441.2	-209.8	443.8	0.00	0.00	0.00
11,699.0	90.00	179.43	10,645.0	-442.2	-209.8	444.8	0.00	0.00	0.00
11,700.0	90.00	179.43	10,645.0	-443.2	-209.7	445.8	0.00	0.00	0.00
11,701.0	90.00	179.43	10,645.0	-444.2	-209.7	446.8	0.00	0.00	0.00
11,702.0	90.00	179.43	10,645.0	-445.2	-209.7	447.8	0.00	0.00	0.00
11,703.0	90.00	179.43	10,645.0	-446.2	-209.7	448.8	0.00	0.00	0.00
11,704.0	90.00	179.43	10,645.0	-447.2	-209.7	449.8	0.00	0.00	0.00
11,705.0	90.00	179.43	10,645.0	-448.2	-209.7	450.8	0.00	0.00	0.00
11,706.0	90.00	179.43	10,645.0	-449.2	-209.7	451.8	0.00	0.00	0.00
11,707.0	90.00	179.43	10,645.0	-450.2	-209.7	452.8	0.00	0.00	0.00
11,708.0	90.00	179.43	10,645.0	-451.2	-209.7	453.8	0.00	0.00	0.00
11,709.0	90.00	179.43	10,645.0	-452.2	-209.7	454.8	0.00	0.00	0.00
11,710.0	90.00	179.43	10,645.0	-453.2	-209.6	455.8	0.00	0.00	0.00
11,711.0	90.00	179.43	10,645.0	-454.2	-209.6	456.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,712.0	90.00	179.43	10,645.0	-455.2	-209.6	457.8	0.00	0.00	0.00
11,713.0	90.00	179.43	10,645.0	-456.2	-209.6	458.8	0.00	0.00	0.00
11,714.0	90.00	179.43	10,645.0	-457.2	-209.6	459.8	0.00	0.00	0.00
11,715.0	90.00	179.43	10,645.0	-458.2	-209.6	460.8	0.00	0.00	0.00
11,716.0	90.00	179.43	10,645.0	-459.2	-209.6	461.8	0.00	0.00	0.00
11,717.0	90.00	179.43	10,645.0	-460.2	-209.6	462.8	0.00	0.00	0.00
11,718.0	90.00	179.43	10,645.0	-461.2	-209.6	463.8	0.00	0.00	0.00
11,719.0	90.00	179.43	10,645.0	-462.2	-209.6	464.8	0.00	0.00	0.00
11,720.0	90.00	179.43	10,645.0	-463.2	-209.5	465.8	0.00	0.00	0.00
11,721.0	90.00	179.43	10,645.0	-464.2	-209.5	466.8	0.00	0.00	0.00
11,722.0	90.00	179.43	10,645.0	-465.2	-209.5	467.8	0.00	0.00	0.00
11,723.0	90.00	179.43	10,645.0	-466.2	-209.5	468.8	0.00	0.00	0.00
11,724.0	90.00	179.43	10,645.0	-467.2	-209.5	469.8	0.00	0.00	0.00
11,725.0	90.00	179.43	10,645.0	-468.2	-209.5	470.8	0.00	0.00	0.00
11,726.0	90.00	179.43	10,645.0	-469.2	-209.5	471.8	0.00	0.00	0.00
11,727.0	90.00	179.43	10,645.0	-470.2	-209.5	472.8	0.00	0.00	0.00
11,728.0	90.00	179.43	10,645.0	-471.2	-209.5	473.8	0.00	0.00	0.00
11,729.0	90.00	179.43	10,645.0	-472.2	-209.5	474.8	0.00	0.00	0.00
11,730.0	90.00	179.43	10,645.0	-473.2	-209.4	475.8	0.00	0.00	0.00
11,731.0	90.00	179.43	10,645.0	-474.2	-209.4	476.8	0.00	0.00	0.00
11,732.0	90.00	179.43	10,645.0	-475.2	-209.4	477.8	0.00	0.00	0.00
11,733.0	90.00	179.43	10,645.0	-476.2	-209.4	478.8	0.00	0.00	0.00
11,734.0	90.00	179.43	10,645.0	-477.2	-209.4	479.8	0.00	0.00	0.00
11,735.0	90.00	179.43	10,645.0	-478.2	-209.4	480.8	0.00	0.00	0.00
11,736.0	90.00	179.43	10,645.0	-479.2	-209.4	481.8	0.00	0.00	0.00
11,737.0	90.00	179.43	10,645.0	-480.2	-209.4	482.8	0.00	0.00	0.00
11,738.0	90.00	179.43	10,645.0	-481.2	-209.4	483.8	0.00	0.00	0.00
11,739.0	90.00	179.43	10,645.0	-482.2	-209.4	484.8	0.00	0.00	0.00
11,740.0	90.00	179.43	10,645.0	-483.2	-209.3	485.8	0.00	0.00	0.00
11,741.0	90.00	179.43	10,645.0	-484.2	-209.3	486.8	0.00	0.00	0.00
11,742.0	90.00	179.43	10,645.0	-485.2	-209.3	487.8	0.00	0.00	0.00
11,743.0	90.00	179.43	10,645.0	-486.2	-209.3	488.8	0.00	0.00	0.00
11,744.0	90.00	179.43	10,645.0	-487.2	-209.3	489.8	0.00	0.00	0.00
11,745.0	90.00	179.43	10,645.0	-488.2	-209.3	490.8	0.00	0.00	0.00
11,746.0	90.00	179.43	10,645.0	-489.2	-209.3	491.8	0.00	0.00	0.00
11,747.0	90.00	179.43	10,645.0	-490.2	-209.3	492.8	0.00	0.00	0.00
11,748.0	90.00	179.43	10,645.0	-491.2	-209.3	493.8	0.00	0.00	0.00
11,749.0	90.00	179.43	10,645.0	-492.2	-209.3	494.8	0.00	0.00	0.00
11,750.0	90.00	179.43	10,645.0	-493.2	-209.2	495.8	0.00	0.00	0.00
11,751.0	90.00	179.43	10,645.0	-494.2	-209.2	496.8	0.00	0.00	0.00
11,752.0	90.00	179.43	10,645.0	-495.2	-209.2	497.8	0.00	0.00	0.00
11,753.0	90.00	179.43	10,645.0	-496.2	-209.2	498.8	0.00	0.00	0.00
11,754.0	90.00	179.43	10,645.0	-497.2	-209.2	499.8	0.00	0.00	0.00
11,755.0	90.00	179.43	10,645.0	-498.2	-209.2	500.8	0.00	0.00	0.00
11,756.0	90.00	179.43	10,645.0	-499.2	-209.2	501.8	0.00	0.00	0.00
11,757.0	90.00	179.43	10,645.0	-500.2	-209.2	502.8	0.00	0.00	0.00
11,758.0	90.00	179.43	10,645.0	-501.2	-209.2	503.8	0.00	0.00	0.00
11,759.0	90.00	179.43	10,645.0	-502.2	-209.2	504.8	0.00	0.00	0.00
11,760.0	90.00	179.43	10,645.0	-503.2	-209.1	505.8	0.00	0.00	0.00
11,761.0	90.00	179.43	10,645.0	-504.2	-209.1	506.8	0.00	0.00	0.00
11,762.0	90.00	179.43	10,645.0	-505.2	-209.1	507.8	0.00	0.00	0.00
11,763.0	90.00	179.43	10,645.0	-506.2	-209.1	508.8	0.00	0.00	0.00
11,764.0	90.00	179.43	10,645.0	-507.2	-209.1	509.8	0.00	0.00	0.00
11,765.0	90.00	179.43	10,645.0	-508.2	-209.1	510.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,766.0	90.00	179.43	10,645.0	-509.2	-209.1	511.8	0.00	0.00	0.00
11,767.0	90.00	179.43	10,645.0	-510.2	-209.1	512.8	0.00	0.00	0.00
11,768.0	90.00	179.43	10,645.0	-511.2	-209.1	513.8	0.00	0.00	0.00
11,769.0	90.00	179.43	10,645.0	-512.2	-209.1	514.8	0.00	0.00	0.00
11,770.0	90.00	179.43	10,645.0	-513.2	-209.0	515.8	0.00	0.00	0.00
11,771.0	90.00	179.43	10,645.0	-514.2	-209.0	516.8	0.00	0.00	0.00
11,772.0	90.00	179.43	10,645.0	-515.2	-209.0	517.8	0.00	0.00	0.00
11,773.0	90.00	179.43	10,645.0	-516.2	-209.0	518.8	0.00	0.00	0.00
11,774.0	90.00	179.43	10,645.0	-517.2	-209.0	519.8	0.00	0.00	0.00
11,775.0	90.00	179.43	10,645.0	-518.2	-209.0	520.8	0.00	0.00	0.00
11,776.0	90.00	179.43	10,645.0	-519.2	-209.0	521.8	0.00	0.00	0.00
11,777.0	90.00	179.43	10,645.0	-520.2	-209.0	522.8	0.00	0.00	0.00
11,778.0	90.00	179.43	10,645.0	-521.2	-209.0	523.8	0.00	0.00	0.00
11,779.0	90.00	179.43	10,645.0	-522.2	-209.0	524.8	0.00	0.00	0.00
11,780.0	90.00	179.43	10,645.0	-523.2	-208.9	525.8	0.00	0.00	0.00
11,781.0	90.00	179.43	10,645.0	-524.2	-208.9	526.8	0.00	0.00	0.00
11,782.0	90.00	179.43	10,645.0	-525.2	-208.9	527.8	0.00	0.00	0.00
11,783.0	90.00	179.43	10,645.0	-526.2	-208.9	528.8	0.00	0.00	0.00
11,784.0	90.00	179.43	10,645.0	-527.2	-208.9	529.8	0.00	0.00	0.00
11,785.0	90.00	179.43	10,645.0	-528.2	-208.9	530.8	0.00	0.00	0.00
11,786.0	90.00	179.43	10,645.0	-529.2	-208.9	531.8	0.00	0.00	0.00
11,787.0	90.00	179.43	10,645.0	-530.2	-208.9	532.8	0.00	0.00	0.00
11,788.0	90.00	179.43	10,645.0	-531.2	-208.9	533.8	0.00	0.00	0.00
11,789.0	90.00	179.43	10,645.0	-532.2	-208.9	534.8	0.00	0.00	0.00
11,790.0	90.00	179.43	10,645.0	-533.2	-208.8	535.8	0.00	0.00	0.00
11,791.0	90.00	179.43	10,645.0	-534.2	-208.8	536.8	0.00	0.00	0.00
11,792.0	90.00	179.43	10,645.0	-535.2	-208.8	537.8	0.00	0.00	0.00
11,793.0	90.00	179.43	10,645.0	-536.2	-208.8	538.8	0.00	0.00	0.00
11,794.0	90.00	179.43	10,645.0	-537.2	-208.8	539.8	0.00	0.00	0.00
11,795.0	90.00	179.43	10,645.0	-538.2	-208.8	540.8	0.00	0.00	0.00
11,796.0	90.00	179.43	10,645.0	-539.2	-208.8	541.8	0.00	0.00	0.00
11,797.0	90.00	179.43	10,645.0	-540.2	-208.8	542.8	0.00	0.00	0.00
11,798.0	90.00	179.43	10,645.0	-541.2	-208.8	543.8	0.00	0.00	0.00
11,799.0	90.00	179.43	10,645.0	-542.2	-208.8	544.8	0.00	0.00	0.00
11,800.0	90.00	179.43	10,645.0	-543.2	-208.7	545.8	0.00	0.00	0.00
11,801.0	90.00	179.43	10,645.0	-544.2	-208.7	546.8	0.00	0.00	0.00
11,802.0	90.00	179.43	10,645.0	-545.2	-208.7	547.8	0.00	0.00	0.00
11,803.0	90.00	179.43	10,645.0	-546.2	-208.7	548.8	0.00	0.00	0.00
11,804.0	90.00	179.43	10,645.0	-547.2	-208.7	549.8	0.00	0.00	0.00
11,805.0	90.00	179.43	10,645.0	-548.2	-208.7	550.8	0.00	0.00	0.00
11,806.0	90.00	179.43	10,645.0	-549.2	-208.7	551.8	0.00	0.00	0.00
11,807.0	90.00	179.43	10,645.0	-550.2	-208.7	552.8	0.00	0.00	0.00
11,808.0	90.00	179.43	10,645.0	-551.2	-208.7	553.8	0.00	0.00	0.00
11,809.0	90.00	179.43	10,645.0	-552.2	-208.7	554.8	0.00	0.00	0.00
11,810.0	90.00	179.43	10,645.0	-553.2	-208.6	555.8	0.00	0.00	0.00
11,811.0	90.00	179.43	10,645.0	-554.2	-208.6	556.8	0.00	0.00	0.00
11,812.0	90.00	179.43	10,645.0	-555.2	-208.6	557.8	0.00	0.00	0.00
11,813.0	90.00	179.43	10,645.0	-556.2	-208.6	558.8	0.00	0.00	0.00
11,814.0	90.00	179.43	10,645.0	-557.2	-208.6	559.8	0.00	0.00	0.00
11,815.0	90.00	179.43	10,645.0	-558.2	-208.6	560.8	0.00	0.00	0.00
11,816.0	90.00	179.43	10,645.0	-559.2	-208.6	561.8	0.00	0.00	0.00
11,817.0	90.00	179.43	10,645.0	-560.2	-208.6	562.8	0.00	0.00	0.00
11,818.0	90.00	179.43	10,645.0	-561.2	-208.6	563.8	0.00	0.00	0.00
11,819.0	90.00	179.43	10,645.0	-562.2	-208.6	564.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,820.0	90.00	179.43	10,645.0	-563.2	-208.5	565.8	0.00	0.00	0.00
11,821.0	90.00	179.43	10,645.0	-564.2	-208.5	566.8	0.00	0.00	0.00
11,822.0	90.00	179.43	10,645.0	-565.2	-208.5	567.8	0.00	0.00	0.00
11,823.0	90.00	179.43	10,645.0	-566.2	-208.5	568.8	0.00	0.00	0.00
11,824.0	90.00	179.43	10,645.0	-567.2	-208.5	569.8	0.00	0.00	0.00
11,825.0	90.00	179.43	10,645.0	-568.2	-208.5	570.8	0.00	0.00	0.00
11,826.0	90.00	179.43	10,645.0	-569.2	-208.5	571.8	0.00	0.00	0.00
11,827.0	90.00	179.43	10,645.0	-570.2	-208.5	572.8	0.00	0.00	0.00
11,828.0	90.00	179.43	10,645.0	-571.2	-208.5	573.8	0.00	0.00	0.00
11,829.0	90.00	179.43	10,645.0	-572.2	-208.5	574.8	0.00	0.00	0.00
11,830.0	90.00	179.43	10,645.0	-573.2	-208.4	575.8	0.00	0.00	0.00
11,831.0	90.00	179.43	10,645.0	-574.2	-208.4	576.8	0.00	0.00	0.00
11,832.0	90.00	179.43	10,645.0	-575.2	-208.4	577.8	0.00	0.00	0.00
11,833.0	90.00	179.43	10,645.0	-576.2	-208.4	578.8	0.00	0.00	0.00
11,834.0	90.00	179.43	10,645.0	-577.2	-208.4	579.8	0.00	0.00	0.00
11,835.0	90.00	179.43	10,645.0	-578.2	-208.4	580.8	0.00	0.00	0.00
11,836.0	90.00	179.43	10,645.0	-579.2	-208.4	581.8	0.00	0.00	0.00
11,837.0	90.00	179.43	10,645.0	-580.2	-208.4	582.8	0.00	0.00	0.00
11,838.0	90.00	179.43	10,645.0	-581.2	-208.4	583.8	0.00	0.00	0.00
11,839.0	90.00	179.43	10,645.0	-582.2	-208.4	584.8	0.00	0.00	0.00
11,840.0	90.00	179.43	10,645.0	-583.2	-208.3	585.8	0.00	0.00	0.00
11,841.0	90.00	179.43	10,645.0	-584.2	-208.3	586.8	0.00	0.00	0.00
11,842.0	90.00	179.43	10,645.0	-585.2	-208.3	587.8	0.00	0.00	0.00
11,843.0	90.00	179.43	10,645.0	-586.2	-208.3	588.8	0.00	0.00	0.00
11,844.0	90.00	179.43	10,645.0	-587.2	-208.3	589.8	0.00	0.00	0.00
11,845.0	90.00	179.43	10,645.0	-588.2	-208.3	590.8	0.00	0.00	0.00
11,846.0	90.00	179.43	10,645.0	-589.2	-208.3	591.8	0.00	0.00	0.00
11,847.0	90.00	179.43	10,645.0	-590.2	-208.3	592.8	0.00	0.00	0.00
11,848.0	90.00	179.43	10,645.0	-591.2	-208.3	593.8	0.00	0.00	0.00
11,849.0	90.00	179.43	10,645.0	-592.2	-208.3	594.8	0.00	0.00	0.00
11,850.0	90.00	179.43	10,645.0	-593.2	-208.2	595.8	0.00	0.00	0.00
11,851.0	90.00	179.43	10,645.0	-594.2	-208.2	596.8	0.00	0.00	0.00
11,852.0	90.00	179.43	10,645.0	-595.2	-208.2	597.8	0.00	0.00	0.00
11,853.0	90.00	179.43	10,645.0	-596.2	-208.2	598.8	0.00	0.00	0.00
11,854.0	90.00	179.43	10,645.0	-597.2	-208.2	599.8	0.00	0.00	0.00
11,855.0	90.00	179.43	10,645.0	-598.2	-208.2	600.8	0.00	0.00	0.00
11,856.0	90.00	179.43	10,645.0	-599.2	-208.2	601.8	0.00	0.00	0.00
11,857.0	90.00	179.43	10,645.0	-600.2	-208.2	602.8	0.00	0.00	0.00
11,858.0	90.00	179.43	10,645.0	-601.2	-208.2	603.8	0.00	0.00	0.00
11,859.0	90.00	179.43	10,645.0	-602.2	-208.2	604.8	0.00	0.00	0.00
11,860.0	90.00	179.43	10,645.0	-603.2	-208.1	605.8	0.00	0.00	0.00
11,861.0	90.00	179.43	10,645.0	-604.2	-208.1	606.8	0.00	0.00	0.00
11,862.0	90.00	179.43	10,645.0	-605.2	-208.1	607.8	0.00	0.00	0.00
11,863.0	90.00	179.43	10,645.0	-606.2	-208.1	608.8	0.00	0.00	0.00
11,864.0	90.00	179.43	10,645.0	-607.2	-208.1	609.8	0.00	0.00	0.00
11,865.0	90.00	179.43	10,645.0	-608.2	-208.1	610.8	0.00	0.00	0.00
11,866.0	90.00	179.43	10,645.0	-609.2	-208.1	611.8	0.00	0.00	0.00
11,867.0	90.00	179.43	10,645.0	-610.2	-208.1	612.8	0.00	0.00	0.00
11,868.0	90.00	179.43	10,645.0	-611.2	-208.1	613.8	0.00	0.00	0.00
11,869.0	90.00	179.43	10,645.0	-612.2	-208.1	614.8	0.00	0.00	0.00
11,870.0	90.00	179.43	10,645.0	-613.2	-208.0	615.8	0.00	0.00	0.00
11,871.0	90.00	179.43	10,645.0	-614.2	-208.0	616.8	0.00	0.00	0.00
11,872.0	90.00	179.43	10,645.0	-615.2	-208.0	617.8	0.00	0.00	0.00
11,873.0	90.00	179.43	10,645.0	-616.2	-208.0	618.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,874.0	90.00	179.43	10,645.0	-617.2	-208.0	619.8	0.00	0.00	0.00
11,875.0	90.00	179.43	10,645.0	-618.2	-208.0	620.8	0.00	0.00	0.00
11,876.0	90.00	179.43	10,645.0	-619.2	-208.0	621.8	0.00	0.00	0.00
11,877.0	90.00	179.43	10,645.0	-620.2	-208.0	622.8	0.00	0.00	0.00
11,878.0	90.00	179.43	10,645.0	-621.2	-208.0	623.8	0.00	0.00	0.00
11,879.0	90.00	179.43	10,645.0	-622.2	-208.0	624.8	0.00	0.00	0.00
11,880.0	90.00	179.43	10,645.0	-623.2	-207.9	625.8	0.00	0.00	0.00
11,881.0	90.00	179.43	10,645.0	-624.2	-207.9	626.8	0.00	0.00	0.00
11,882.0	90.00	179.43	10,645.0	-625.2	-207.9	627.8	0.00	0.00	0.00
11,883.0	90.00	179.43	10,645.0	-626.2	-207.9	628.8	0.00	0.00	0.00
11,884.0	90.00	179.43	10,645.0	-627.2	-207.9	629.8	0.00	0.00	0.00
11,885.0	90.00	179.43	10,645.0	-628.2	-207.9	630.8	0.00	0.00	0.00
11,886.0	90.00	179.43	10,645.0	-629.2	-207.9	631.8	0.00	0.00	0.00
11,887.0	90.00	179.43	10,645.0	-630.2	-207.9	632.8	0.00	0.00	0.00
11,888.0	90.00	179.43	10,645.0	-631.2	-207.9	633.8	0.00	0.00	0.00
11,889.0	90.00	179.43	10,645.0	-632.2	-207.9	634.8	0.00	0.00	0.00
11,890.0	90.00	179.43	10,645.0	-633.2	-207.8	635.8	0.00	0.00	0.00
11,891.0	90.00	179.43	10,645.0	-634.2	-207.8	636.8	0.00	0.00	0.00
11,892.0	90.00	179.43	10,645.0	-635.2	-207.8	637.8	0.00	0.00	0.00
11,893.0	90.00	179.43	10,645.0	-636.2	-207.8	638.8	0.00	0.00	0.00
11,894.0	90.00	179.43	10,645.0	-637.2	-207.8	639.8	0.00	0.00	0.00
11,895.0	90.00	179.43	10,645.0	-638.2	-207.8	640.8	0.00	0.00	0.00
11,896.0	90.00	179.43	10,645.0	-639.2	-207.8	641.8	0.00	0.00	0.00
11,897.0	90.00	179.43	10,645.0	-640.2	-207.8	642.8	0.00	0.00	0.00
11,898.0	90.00	179.43	10,645.0	-641.2	-207.8	643.8	0.00	0.00	0.00
11,899.0	90.00	179.43	10,645.0	-642.2	-207.8	644.8	0.00	0.00	0.00
11,900.0	90.00	179.43	10,645.0	-643.2	-207.7	645.8	0.00	0.00	0.00
11,901.0	90.00	179.43	10,645.0	-644.2	-207.7	646.8	0.00	0.00	0.00
11,902.0	90.00	179.43	10,645.0	-645.2	-207.7	647.8	0.00	0.00	0.00
11,903.0	90.00	179.43	10,645.0	-646.2	-207.7	648.8	0.00	0.00	0.00
11,904.0	90.00	179.43	10,645.0	-647.2	-207.7	649.8	0.00	0.00	0.00
11,905.0	90.00	179.43	10,645.0	-648.2	-207.7	650.8	0.00	0.00	0.00
11,906.0	90.00	179.43	10,645.0	-649.2	-207.7	651.8	0.00	0.00	0.00
11,907.0	90.00	179.43	10,645.0	-650.2	-207.7	652.8	0.00	0.00	0.00
11,908.0	90.00	179.43	10,645.0	-651.2	-207.7	653.8	0.00	0.00	0.00
11,909.0	90.00	179.43	10,645.0	-652.2	-207.7	654.8	0.00	0.00	0.00
11,910.0	90.00	179.43	10,645.0	-653.2	-207.6	655.8	0.00	0.00	0.00
11,911.0	90.00	179.43	10,645.0	-654.2	-207.6	656.8	0.00	0.00	0.00
11,912.0	90.00	179.43	10,645.0	-655.2	-207.6	657.8	0.00	0.00	0.00
11,913.0	90.00	179.43	10,645.0	-656.2	-207.6	658.8	0.00	0.00	0.00
11,914.0	90.00	179.43	10,645.0	-657.2	-207.6	659.8	0.00	0.00	0.00
11,915.0	90.00	179.43	10,645.0	-658.2	-207.6	660.8	0.00	0.00	0.00
11,916.0	90.00	179.43	10,645.0	-659.2	-207.6	661.8	0.00	0.00	0.00
11,917.0	90.00	179.43	10,645.0	-660.2	-207.6	662.8	0.00	0.00	0.00
11,918.0	90.00	179.43	10,645.0	-661.2	-207.6	663.8	0.00	0.00	0.00
11,919.0	90.00	179.43	10,645.0	-662.2	-207.6	664.8	0.00	0.00	0.00
11,920.0	90.00	179.43	10,645.0	-663.2	-207.5	665.8	0.00	0.00	0.00
11,921.0	90.00	179.43	10,645.0	-664.2	-207.5	666.8	0.00	0.00	0.00
11,922.0	90.00	179.43	10,645.0	-665.2	-207.5	667.8	0.00	0.00	0.00
11,923.0	90.00	179.43	10,645.0	-666.2	-207.5	668.8	0.00	0.00	0.00
11,924.0	90.00	179.43	10,645.0	-667.2	-207.5	669.8	0.00	0.00	0.00
11,925.0	90.00	179.43	10,645.0	-668.2	-207.5	670.8	0.00	0.00	0.00
11,926.0	90.00	179.43	10,645.0	-669.2	-207.5	671.8	0.00	0.00	0.00
11,927.0	90.00	179.43	10,645.0	-670.2	-207.5	672.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,928.0	90.00	179.43	10,645.0	-671.2	-207.5	673.8	0.00	0.00	0.00
11,929.0	90.00	179.43	10,645.0	-672.2	-207.5	674.8	0.00	0.00	0.00
11,930.0	90.00	179.43	10,645.0	-673.2	-207.4	675.8	0.00	0.00	0.00
11,931.0	90.00	179.43	10,645.0	-674.2	-207.4	676.8	0.00	0.00	0.00
11,932.0	90.00	179.43	10,645.0	-675.2	-207.4	677.8	0.00	0.00	0.00
11,933.0	90.00	179.43	10,645.0	-676.2	-207.4	678.7	0.00	0.00	0.00
11,934.0	90.00	179.43	10,645.0	-677.2	-207.4	679.7	0.00	0.00	0.00
11,935.0	90.00	179.43	10,645.0	-678.2	-207.4	680.7	0.00	0.00	0.00
11,936.0	90.00	179.43	10,645.0	-679.2	-207.4	681.7	0.00	0.00	0.00
11,937.0	90.00	179.43	10,645.0	-680.2	-207.4	682.7	0.00	0.00	0.00
11,938.0	90.00	179.43	10,645.0	-681.2	-207.4	683.7	0.00	0.00	0.00
11,939.0	90.00	179.43	10,645.0	-682.2	-207.4	684.7	0.00	0.00	0.00
11,940.0	90.00	179.43	10,645.0	-683.2	-207.3	685.7	0.00	0.00	0.00
11,941.0	90.00	179.43	10,645.0	-684.2	-207.3	686.7	0.00	0.00	0.00
11,942.0	90.00	179.43	10,645.0	-685.2	-207.3	687.7	0.00	0.00	0.00
11,943.0	90.00	179.43	10,645.0	-686.2	-207.3	688.7	0.00	0.00	0.00
11,944.0	90.00	179.43	10,645.0	-687.2	-207.3	689.7	0.00	0.00	0.00
11,945.0	90.00	179.43	10,645.0	-688.2	-207.3	690.7	0.00	0.00	0.00
11,946.0	90.00	179.43	10,645.0	-689.2	-207.3	691.7	0.00	0.00	0.00
11,947.0	90.00	179.43	10,645.0	-690.2	-207.3	692.7	0.00	0.00	0.00
11,948.0	90.00	179.43	10,645.0	-691.2	-207.3	693.7	0.00	0.00	0.00
11,949.0	90.00	179.43	10,645.0	-692.2	-207.3	694.7	0.00	0.00	0.00
11,950.0	90.00	179.43	10,645.0	-693.2	-207.2	695.7	0.00	0.00	0.00
11,951.0	90.00	179.43	10,645.0	-694.2	-207.2	696.7	0.00	0.00	0.00
11,952.0	90.00	179.43	10,645.0	-695.2	-207.2	697.7	0.00	0.00	0.00
11,953.0	90.00	179.43	10,645.0	-696.2	-207.2	698.7	0.00	0.00	0.00
11,954.0	90.00	179.43	10,645.0	-697.2	-207.2	699.7	0.00	0.00	0.00
11,955.0	90.00	179.43	10,645.0	-698.2	-207.2	700.7	0.00	0.00	0.00
11,956.0	90.00	179.43	10,645.0	-699.2	-207.2	701.7	0.00	0.00	0.00
11,957.0	90.00	179.43	10,645.0	-700.2	-207.2	702.7	0.00	0.00	0.00
11,958.0	90.00	179.43	10,645.0	-701.2	-207.2	703.7	0.00	0.00	0.00
11,959.0	90.00	179.43	10,645.0	-702.2	-207.2	704.7	0.00	0.00	0.00
11,960.0	90.00	179.43	10,645.0	-703.2	-207.1	705.7	0.00	0.00	0.00
11,961.0	90.00	179.43	10,645.0	-704.2	-207.1	706.7	0.00	0.00	0.00
11,962.0	90.00	179.43	10,645.0	-705.2	-207.1	707.7	0.00	0.00	0.00
11,963.0	90.00	179.43	10,645.0	-706.2	-207.1	708.7	0.00	0.00	0.00
11,964.0	90.00	179.43	10,645.0	-707.2	-207.1	709.7	0.00	0.00	0.00
11,965.0	90.00	179.43	10,645.0	-708.2	-207.1	710.7	0.00	0.00	0.00
11,966.0	90.00	179.43	10,645.0	-709.2	-207.1	711.7	0.00	0.00	0.00
11,967.0	90.00	179.43	10,645.0	-710.2	-207.1	712.7	0.00	0.00	0.00
11,968.0	90.00	179.43	10,645.0	-711.2	-207.1	713.7	0.00	0.00	0.00
11,969.0	90.00	179.43	10,645.0	-712.2	-207.1	714.7	0.00	0.00	0.00
11,970.0	90.00	179.43	10,645.0	-713.2	-207.1	715.7	0.00	0.00	0.00
11,971.0	90.00	179.43	10,645.0	-714.2	-207.0	716.7	0.00	0.00	0.00
11,972.0	90.00	179.43	10,645.0	-715.2	-207.0	717.7	0.00	0.00	0.00
11,973.0	90.00	179.43	10,645.0	-716.2	-207.0	718.7	0.00	0.00	0.00
11,974.0	90.00	179.43	10,645.0	-717.2	-207.0	719.7	0.00	0.00	0.00
11,975.0	90.00	179.43	10,645.0	-718.2	-207.0	720.7	0.00	0.00	0.00
11,976.0	90.00	179.43	10,645.0	-719.2	-207.0	721.7	0.00	0.00	0.00
11,977.0	90.00	179.43	10,645.0	-720.2	-207.0	722.7	0.00	0.00	0.00
11,978.0	90.00	179.43	10,645.0	-721.2	-207.0	723.7	0.00	0.00	0.00
11,979.0	90.00	179.43	10,645.0	-722.2	-207.0	724.7	0.00	0.00	0.00
11,980.0	90.00	179.43	10,645.0	-723.2	-207.0	725.7	0.00	0.00	0.00
11,981.0	90.00	179.43	10,645.0	-724.2	-206.9	726.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,982.0	90.00	179.43	10,645.0	-725.2	-206.9	727.7	0.00	0.00	0.00
11,983.0	90.00	179.43	10,645.0	-726.2	-206.9	728.7	0.00	0.00	0.00
11,984.0	90.00	179.43	10,645.0	-727.2	-206.9	729.7	0.00	0.00	0.00
11,985.0	90.00	179.43	10,645.0	-728.2	-206.9	730.7	0.00	0.00	0.00
11,986.0	90.00	179.43	10,645.0	-729.2	-206.9	731.7	0.00	0.00	0.00
11,987.0	90.00	179.43	10,645.0	-730.2	-206.9	732.7	0.00	0.00	0.00
11,988.0	90.00	179.43	10,645.0	-731.2	-206.9	733.7	0.00	0.00	0.00
11,989.0	90.00	179.43	10,645.0	-732.2	-206.9	734.7	0.00	0.00	0.00
11,990.0	90.00	179.43	10,645.0	-733.2	-206.9	735.7	0.00	0.00	0.00
11,991.0	90.00	179.43	10,645.0	-734.2	-206.8	736.7	0.00	0.00	0.00
11,992.0	90.00	179.43	10,645.0	-735.2	-206.8	737.7	0.00	0.00	0.00
11,993.0	90.00	179.43	10,645.0	-736.2	-206.8	738.7	0.00	0.00	0.00
11,994.0	90.00	179.43	10,645.0	-737.2	-206.8	739.7	0.00	0.00	0.00
11,995.0	90.00	179.43	10,645.0	-738.2	-206.8	740.7	0.00	0.00	0.00
11,996.0	90.00	179.43	10,645.0	-739.2	-206.8	741.7	0.00	0.00	0.00
11,997.0	90.00	179.43	10,645.0	-740.2	-206.8	742.7	0.00	0.00	0.00
11,998.0	90.00	179.43	10,645.0	-741.2	-206.8	743.7	0.00	0.00	0.00
11,999.0	90.00	179.43	10,645.0	-742.2	-206.8	744.7	0.00	0.00	0.00
12,000.0	90.00	179.43	10,645.0	-743.2	-206.8	745.7	0.00	0.00	0.00
12,001.0	90.00	179.43	10,645.0	-744.2	-206.7	746.7	0.00	0.00	0.00
12,002.0	90.00	179.43	10,645.0	-745.2	-206.7	747.7	0.00	0.00	0.00
12,003.0	90.00	179.43	10,645.0	-746.2	-206.7	748.7	0.00	0.00	0.00
12,004.0	90.00	179.43	10,645.0	-747.2	-206.7	749.7	0.00	0.00	0.00
12,005.0	90.00	179.43	10,645.0	-748.2	-206.7	750.7	0.00	0.00	0.00
12,006.0	90.00	179.43	10,645.0	-749.2	-206.7	751.7	0.00	0.00	0.00
12,007.0	90.00	179.43	10,645.0	-750.2	-206.7	752.7	0.00	0.00	0.00
12,008.0	90.00	179.43	10,645.0	-751.2	-206.7	753.7	0.00	0.00	0.00
12,009.0	90.00	179.43	10,645.0	-752.2	-206.7	754.7	0.00	0.00	0.00
12,010.0	90.00	179.43	10,645.0	-753.2	-206.7	755.7	0.00	0.00	0.00
12,011.0	90.00	179.43	10,645.0	-754.2	-206.6	756.7	0.00	0.00	0.00
12,012.0	90.00	179.43	10,645.0	-755.2	-206.6	757.7	0.00	0.00	0.00
12,013.0	90.00	179.43	10,645.0	-756.2	-206.6	758.7	0.00	0.00	0.00
12,014.0	90.00	179.43	10,645.0	-757.2	-206.6	759.7	0.00	0.00	0.00
12,015.0	90.00	179.43	10,645.0	-758.2	-206.6	760.7	0.00	0.00	0.00
12,016.0	90.00	179.43	10,645.0	-759.2	-206.6	761.7	0.00	0.00	0.00
12,017.0	90.00	179.43	10,645.0	-760.2	-206.6	762.7	0.00	0.00	0.00
12,018.0	90.00	179.43	10,645.0	-761.2	-206.6	763.7	0.00	0.00	0.00
12,019.0	90.00	179.43	10,645.0	-762.2	-206.6	764.7	0.00	0.00	0.00
12,020.0	90.00	179.43	10,645.0	-763.2	-206.6	765.7	0.00	0.00	0.00
12,021.0	90.00	179.43	10,645.0	-764.2	-206.5	766.7	0.00	0.00	0.00
12,022.0	90.00	179.43	10,645.0	-765.2	-206.5	767.7	0.00	0.00	0.00
12,023.0	90.00	179.43	10,645.0	-766.2	-206.5	768.7	0.00	0.00	0.00
12,024.0	90.00	179.43	10,645.0	-767.2	-206.5	769.7	0.00	0.00	0.00
12,025.0	90.00	179.43	10,645.0	-768.2	-206.5	770.7	0.00	0.00	0.00
12,026.0	90.00	179.43	10,645.0	-769.2	-206.5	771.7	0.00	0.00	0.00
12,027.0	90.00	179.43	10,645.0	-770.2	-206.5	772.7	0.00	0.00	0.00
12,028.0	90.00	179.43	10,645.0	-771.2	-206.5	773.7	0.00	0.00	0.00
12,029.0	90.00	179.43	10,645.0	-772.2	-206.5	774.7	0.00	0.00	0.00
12,030.0	90.00	179.43	10,645.0	-773.2	-206.5	775.7	0.00	0.00	0.00
12,031.0	90.00	179.43	10,645.0	-774.2	-206.4	776.7	0.00	0.00	0.00
12,032.0	90.00	179.43	10,645.0	-775.2	-206.4	777.7	0.00	0.00	0.00
12,033.0	90.00	179.43	10,645.0	-776.2	-206.4	778.7	0.00	0.00	0.00
12,034.0	90.00	179.43	10,645.0	-777.2	-206.4	779.7	0.00	0.00	0.00
12,035.0	90.00	179.43	10,645.0	-778.2	-206.4	780.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,036.0	90.00	179.43	10,645.0	-779.2	-206.4	781.7	0.00	0.00	0.00
12,037.0	90.00	179.43	10,645.0	-780.2	-206.4	782.7	0.00	0.00	0.00
12,038.0	90.00	179.43	10,645.0	-781.2	-206.4	783.7	0.00	0.00	0.00
12,039.0	90.00	179.43	10,645.0	-782.2	-206.4	784.7	0.00	0.00	0.00
12,040.0	90.00	179.43	10,645.0	-783.2	-206.4	785.7	0.00	0.00	0.00
12,041.0	90.00	179.43	10,645.0	-784.2	-206.3	786.7	0.00	0.00	0.00
12,042.0	90.00	179.43	10,645.0	-785.2	-206.3	787.7	0.00	0.00	0.00
12,043.0	90.00	179.43	10,645.0	-786.2	-206.3	788.7	0.00	0.00	0.00
12,044.0	90.00	179.43	10,645.0	-787.2	-206.3	789.7	0.00	0.00	0.00
12,045.0	90.00	179.43	10,645.0	-788.2	-206.3	790.7	0.00	0.00	0.00
12,046.0	90.00	179.43	10,645.0	-789.2	-206.3	791.7	0.00	0.00	0.00
12,047.0	90.00	179.43	10,645.0	-790.2	-206.3	792.7	0.00	0.00	0.00
12,048.0	90.00	179.43	10,645.0	-791.2	-206.3	793.7	0.00	0.00	0.00
12,049.0	90.00	179.43	10,645.0	-792.2	-206.3	794.7	0.00	0.00	0.00
12,050.0	90.00	179.43	10,645.0	-793.2	-206.3	795.7	0.00	0.00	0.00
12,051.0	90.00	179.43	10,645.0	-794.2	-206.2	796.7	0.00	0.00	0.00
12,052.0	90.00	179.43	10,645.0	-795.2	-206.2	797.7	0.00	0.00	0.00
12,053.0	90.00	179.43	10,645.0	-796.2	-206.2	798.7	0.00	0.00	0.00
12,054.0	90.00	179.43	10,645.0	-797.2	-206.2	799.7	0.00	0.00	0.00
12,055.0	90.00	179.43	10,645.0	-798.2	-206.2	800.7	0.00	0.00	0.00
12,056.0	90.00	179.43	10,645.0	-799.2	-206.2	801.7	0.00	0.00	0.00
12,057.0	90.00	179.43	10,645.0	-800.2	-206.2	802.7	0.00	0.00	0.00
12,058.0	90.00	179.43	10,645.0	-801.2	-206.2	803.7	0.00	0.00	0.00
12,059.0	90.00	179.43	10,645.0	-802.2	-206.2	804.7	0.00	0.00	0.00
12,060.0	90.00	179.43	10,645.0	-803.2	-206.2	805.7	0.00	0.00	0.00
12,061.0	90.00	179.43	10,645.0	-804.2	-206.1	806.7	0.00	0.00	0.00
12,062.0	90.00	179.43	10,645.0	-805.2	-206.1	807.7	0.00	0.00	0.00
12,063.0	90.00	179.43	10,645.0	-806.2	-206.1	808.7	0.00	0.00	0.00
12,064.0	90.00	179.43	10,645.0	-807.2	-206.1	809.7	0.00	0.00	0.00
12,065.0	90.00	179.43	10,645.0	-808.2	-206.1	810.7	0.00	0.00	0.00
12,066.0	90.00	179.43	10,645.0	-809.2	-206.1	811.7	0.00	0.00	0.00
12,067.0	90.00	179.43	10,645.0	-810.2	-206.1	812.7	0.00	0.00	0.00
12,068.0	90.00	179.43	10,645.0	-811.2	-206.1	813.7	0.00	0.00	0.00
12,069.0	90.00	179.43	10,645.0	-812.2	-206.1	814.7	0.00	0.00	0.00
12,070.0	90.00	179.43	10,645.0	-813.2	-206.1	815.7	0.00	0.00	0.00
12,071.0	90.00	179.43	10,645.0	-814.2	-206.0	816.7	0.00	0.00	0.00
12,072.0	90.00	179.43	10,645.0	-815.2	-206.0	817.7	0.00	0.00	0.00
12,073.0	90.00	179.43	10,645.0	-816.2	-206.0	818.7	0.00	0.00	0.00
12,074.0	90.00	179.43	10,645.0	-817.2	-206.0	819.7	0.00	0.00	0.00
12,075.0	90.00	179.43	10,645.0	-818.2	-206.0	820.7	0.00	0.00	0.00
12,076.0	90.00	179.43	10,645.0	-819.2	-206.0	821.7	0.00	0.00	0.00
12,077.0	90.00	179.43	10,645.0	-820.2	-206.0	822.7	0.00	0.00	0.00
12,078.0	90.00	179.43	10,645.0	-821.2	-206.0	823.7	0.00	0.00	0.00
12,079.0	90.00	179.43	10,645.0	-822.2	-206.0	824.7	0.00	0.00	0.00
12,080.0	90.00	179.43	10,645.0	-823.2	-206.0	825.7	0.00	0.00	0.00
12,081.0	90.00	179.43	10,645.0	-824.2	-205.9	826.7	0.00	0.00	0.00
12,082.0	90.00	179.43	10,645.0	-825.2	-205.9	827.7	0.00	0.00	0.00
12,083.0	90.00	179.43	10,645.0	-826.2	-205.9	828.7	0.00	0.00	0.00
12,084.0	90.00	179.43	10,645.0	-827.2	-205.9	829.7	0.00	0.00	0.00
12,085.0	90.00	179.43	10,645.0	-828.2	-205.9	830.7	0.00	0.00	0.00
12,086.0	90.00	179.43	10,645.0	-829.2	-205.9	831.7	0.00	0.00	0.00
12,087.0	90.00	179.43	10,645.0	-830.2	-205.9	832.7	0.00	0.00	0.00
12,088.0	90.00	179.43	10,645.0	-831.2	-205.9	833.7	0.00	0.00	0.00
12,089.0	90.00	179.43	10,645.0	-832.2	-205.9	834.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,090.0	90.00	179.43	10,645.0	-833.2	-205.9	835.7	0.00	0.00	0.00
12,091.0	90.00	179.43	10,645.0	-834.2	-205.8	836.7	0.00	0.00	0.00
12,092.0	90.00	179.43	10,645.0	-835.2	-205.8	837.7	0.00	0.00	0.00
12,093.0	90.00	179.43	10,645.0	-836.2	-205.8	838.7	0.00	0.00	0.00
12,094.0	90.00	179.43	10,645.0	-837.2	-205.8	839.7	0.00	0.00	0.00
12,095.0	90.00	179.43	10,645.0	-838.2	-205.8	840.7	0.00	0.00	0.00
12,096.0	90.00	179.43	10,645.0	-839.2	-205.8	841.7	0.00	0.00	0.00
12,097.0	90.00	179.43	10,645.0	-840.2	-205.8	842.7	0.00	0.00	0.00
12,098.0	90.00	179.43	10,645.0	-841.2	-205.8	843.7	0.00	0.00	0.00
12,099.0	90.00	179.43	10,645.0	-842.2	-205.8	844.7	0.00	0.00	0.00
12,100.0	90.00	179.43	10,645.0	-843.2	-205.8	845.7	0.00	0.00	0.00
12,101.0	90.00	179.43	10,645.0	-844.2	-205.7	846.7	0.00	0.00	0.00
12,102.0	90.00	179.43	10,645.0	-845.2	-205.7	847.7	0.00	0.00	0.00
12,103.0	90.00	179.43	10,645.0	-846.2	-205.7	848.7	0.00	0.00	0.00
12,104.0	90.00	179.43	10,645.0	-847.2	-205.7	849.7	0.00	0.00	0.00
12,105.0	90.00	179.43	10,645.0	-848.2	-205.7	850.7	0.00	0.00	0.00
12,106.0	90.00	179.43	10,645.0	-849.2	-205.7	851.7	0.00	0.00	0.00
12,107.0	90.00	179.43	10,645.0	-850.2	-205.7	852.7	0.00	0.00	0.00
12,108.0	90.00	179.43	10,645.0	-851.2	-205.7	853.7	0.00	0.00	0.00
12,109.0	90.00	179.43	10,645.0	-852.2	-205.7	854.7	0.00	0.00	0.00
12,110.0	90.00	179.43	10,645.0	-853.2	-205.7	855.7	0.00	0.00	0.00
12,111.0	90.00	179.43	10,645.0	-854.2	-205.6	856.7	0.00	0.00	0.00
12,112.0	90.00	179.43	10,645.0	-855.2	-205.6	857.7	0.00	0.00	0.00
12,113.0	90.00	179.43	10,645.0	-856.2	-205.6	858.7	0.00	0.00	0.00
12,114.0	90.00	179.43	10,645.0	-857.2	-205.6	859.7	0.00	0.00	0.00
12,115.0	90.00	179.43	10,645.0	-858.2	-205.6	860.7	0.00	0.00	0.00
12,116.0	90.00	179.43	10,645.0	-859.2	-205.6	861.7	0.00	0.00	0.00
12,117.0	90.00	179.43	10,645.0	-860.2	-205.6	862.7	0.00	0.00	0.00
12,118.0	90.00	179.43	10,645.0	-861.2	-205.6	863.7	0.00	0.00	0.00
12,119.0	90.00	179.43	10,645.0	-862.2	-205.6	864.7	0.00	0.00	0.00
12,120.0	90.00	179.43	10,645.0	-863.2	-205.6	865.7	0.00	0.00	0.00
12,121.0	90.00	179.43	10,645.0	-864.2	-205.5	866.7	0.00	0.00	0.00
12,122.0	90.00	179.43	10,645.0	-865.2	-205.5	867.7	0.00	0.00	0.00
12,123.0	90.00	179.43	10,645.0	-866.2	-205.5	868.7	0.00	0.00	0.00
12,124.0	90.00	179.43	10,645.0	-867.2	-205.5	869.7	0.00	0.00	0.00
12,125.0	90.00	179.43	10,645.0	-868.2	-205.5	870.7	0.00	0.00	0.00
12,126.0	90.00	179.43	10,645.0	-869.2	-205.5	871.7	0.00	0.00	0.00
12,127.0	90.00	179.43	10,645.0	-870.2	-205.5	872.7	0.00	0.00	0.00
12,128.0	90.00	179.43	10,645.0	-871.2	-205.5	873.7	0.00	0.00	0.00
12,129.0	90.00	179.43	10,645.0	-872.2	-205.5	874.7	0.00	0.00	0.00
12,130.0	90.00	179.43	10,645.0	-873.2	-205.5	875.7	0.00	0.00	0.00
12,131.0	90.00	179.43	10,645.0	-874.2	-205.4	876.7	0.00	0.00	0.00
12,132.0	90.00	179.43	10,645.0	-875.2	-205.4	877.7	0.00	0.00	0.00
12,133.0	90.00	179.43	10,645.0	-876.2	-205.4	878.7	0.00	0.00	0.00
12,134.0	90.00	179.43	10,645.0	-877.2	-205.4	879.7	0.00	0.00	0.00
12,135.0	90.00	179.43	10,645.0	-878.2	-205.4	880.7	0.00	0.00	0.00
12,136.0	90.00	179.43	10,645.0	-879.2	-205.4	881.7	0.00	0.00	0.00
12,137.0	90.00	179.43	10,645.0	-880.2	-205.4	882.7	0.00	0.00	0.00
12,138.0	90.00	179.43	10,645.0	-881.2	-205.4	883.7	0.00	0.00	0.00
12,139.0	90.00	179.43	10,645.0	-882.2	-205.4	884.7	0.00	0.00	0.00
12,140.0	90.00	179.43	10,645.0	-883.2	-205.4	885.7	0.00	0.00	0.00
12,141.0	90.00	179.43	10,645.0	-884.2	-205.3	886.7	0.00	0.00	0.00
12,142.0	90.00	179.43	10,645.0	-885.2	-205.3	887.7	0.00	0.00	0.00
12,143.0	90.00	179.43	10,645.0	-886.2	-205.3	888.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,144.0	90.00	179.43	10,645.0	-887.2	-205.3	889.7	0.00	0.00	0.00
12,145.0	90.00	179.43	10,645.0	-888.2	-205.3	890.7	0.00	0.00	0.00
12,146.0	90.00	179.43	10,645.0	-889.2	-205.3	891.7	0.00	0.00	0.00
12,147.0	90.00	179.43	10,645.0	-890.2	-205.3	892.7	0.00	0.00	0.00
12,148.0	90.00	179.43	10,645.0	-891.2	-205.3	893.7	0.00	0.00	0.00
12,149.0	90.00	179.43	10,645.0	-892.2	-205.3	894.7	0.00	0.00	0.00
12,150.0	90.00	179.43	10,645.0	-893.2	-205.3	895.7	0.00	0.00	0.00
12,151.0	90.00	179.43	10,645.0	-894.2	-205.2	896.7	0.00	0.00	0.00
12,152.0	90.00	179.43	10,645.0	-895.2	-205.2	897.7	0.00	0.00	0.00
12,153.0	90.00	179.43	10,645.0	-896.2	-205.2	898.7	0.00	0.00	0.00
12,154.0	90.00	179.43	10,645.0	-897.2	-205.2	899.7	0.00	0.00	0.00
12,155.0	90.00	179.43	10,645.0	-898.2	-205.2	900.7	0.00	0.00	0.00
12,156.0	90.00	179.43	10,645.0	-899.2	-205.2	901.7	0.00	0.00	0.00
12,157.0	90.00	179.43	10,645.0	-900.2	-205.2	902.7	0.00	0.00	0.00
12,158.0	90.00	179.43	10,645.0	-901.2	-205.2	903.7	0.00	0.00	0.00
12,159.0	90.00	179.43	10,645.0	-902.2	-205.2	904.7	0.00	0.00	0.00
12,160.0	90.00	179.43	10,645.0	-903.2	-205.2	905.7	0.00	0.00	0.00
12,161.0	90.00	179.43	10,645.0	-904.2	-205.1	906.7	0.00	0.00	0.00
12,162.0	90.00	179.43	10,645.0	-905.2	-205.1	907.7	0.00	0.00	0.00
12,163.0	90.00	179.43	10,645.0	-906.2	-205.1	908.7	0.00	0.00	0.00
12,164.0	90.00	179.43	10,645.0	-907.2	-205.1	909.7	0.00	0.00	0.00
12,165.0	90.00	179.43	10,645.0	-908.2	-205.1	910.7	0.00	0.00	0.00
12,166.0	90.00	179.43	10,645.0	-909.2	-205.1	911.7	0.00	0.00	0.00
12,167.0	90.00	179.43	10,645.0	-910.2	-205.1	912.7	0.00	0.00	0.00
12,168.0	90.00	179.43	10,645.0	-911.2	-205.1	913.7	0.00	0.00	0.00
12,169.0	90.00	179.43	10,645.0	-912.2	-205.1	914.7	0.00	0.00	0.00
12,170.0	90.00	179.43	10,645.0	-913.2	-205.1	915.7	0.00	0.00	0.00
12,171.0	90.00	179.43	10,645.0	-914.2	-205.0	916.7	0.00	0.00	0.00
12,172.0	90.00	179.43	10,645.0	-915.2	-205.0	917.7	0.00	0.00	0.00
12,173.0	90.00	179.43	10,645.0	-916.2	-205.0	918.7	0.00	0.00	0.00
12,174.0	90.00	179.43	10,645.0	-917.2	-205.0	919.7	0.00	0.00	0.00
12,175.0	90.00	179.43	10,645.0	-918.2	-205.0	920.7	0.00	0.00	0.00
12,176.0	90.00	179.43	10,645.0	-919.2	-205.0	921.7	0.00	0.00	0.00
12,177.0	90.00	179.43	10,645.0	-920.2	-205.0	922.7	0.00	0.00	0.00
12,178.0	90.00	179.43	10,645.0	-921.2	-205.0	923.7	0.00	0.00	0.00
12,179.0	90.00	179.43	10,645.0	-922.2	-205.0	924.7	0.00	0.00	0.00
12,180.0	90.00	179.43	10,645.0	-923.2	-205.0	925.7	0.00	0.00	0.00
12,181.0	90.00	179.43	10,645.0	-924.2	-204.9	926.7	0.00	0.00	0.00
12,182.0	90.00	179.43	10,645.0	-925.2	-204.9	927.7	0.00	0.00	0.00
12,183.0	90.00	179.43	10,645.0	-926.2	-204.9	928.7	0.00	0.00	0.00
12,184.0	90.00	179.43	10,645.0	-927.2	-204.9	929.7	0.00	0.00	0.00
12,185.0	90.00	179.43	10,645.0	-928.2	-204.9	930.7	0.00	0.00	0.00
12,186.0	90.00	179.43	10,645.0	-929.2	-204.9	931.7	0.00	0.00	0.00
12,187.0	90.00	179.43	10,645.0	-930.2	-204.9	932.7	0.00	0.00	0.00
12,188.0	90.00	179.43	10,645.0	-931.2	-204.9	933.7	0.00	0.00	0.00
12,189.0	90.00	179.43	10,645.0	-932.2	-204.9	934.7	0.00	0.00	0.00
12,190.0	90.00	179.43	10,645.0	-933.2	-204.9	935.7	0.00	0.00	0.00
12,191.0	90.00	179.43	10,645.0	-934.2	-204.8	936.7	0.00	0.00	0.00
12,192.0	90.00	179.43	10,645.0	-935.2	-204.8	937.7	0.00	0.00	0.00
12,193.0	90.00	179.43	10,645.0	-936.2	-204.8	938.7	0.00	0.00	0.00
12,194.0	90.00	179.43	10,645.0	-937.2	-204.8	939.7	0.00	0.00	0.00
12,195.0	90.00	179.43	10,645.0	-938.2	-204.8	940.7	0.00	0.00	0.00
12,196.0	90.00	179.43	10,645.0	-939.2	-204.8	941.7	0.00	0.00	0.00
12,197.0	90.00	179.43	10,645.0	-940.2	-204.8	942.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,198.0	90.00	179.43	10,645.0	-941.2	-204.8	943.7	0.00	0.00	0.00
12,199.0	90.00	179.43	10,645.0	-942.2	-204.8	944.7	0.00	0.00	0.00
12,200.0	90.00	179.43	10,645.0	-943.2	-204.8	945.7	0.00	0.00	0.00
12,201.0	90.00	179.43	10,645.0	-944.2	-204.7	946.7	0.00	0.00	0.00
12,202.0	90.00	179.43	10,645.0	-945.2	-204.7	947.7	0.00	0.00	0.00
12,203.0	90.00	179.43	10,645.0	-946.2	-204.7	948.7	0.00	0.00	0.00
12,204.0	90.00	179.43	10,645.0	-947.2	-204.7	949.7	0.00	0.00	0.00
12,205.0	90.00	179.43	10,645.0	-948.2	-204.7	950.7	0.00	0.00	0.00
12,206.0	90.00	179.43	10,645.0	-949.2	-204.7	951.7	0.00	0.00	0.00
12,207.0	90.00	179.43	10,645.0	-950.2	-204.7	952.7	0.00	0.00	0.00
12,208.0	90.00	179.43	10,645.0	-951.2	-204.7	953.7	0.00	0.00	0.00
12,209.0	90.00	179.43	10,645.0	-952.2	-204.7	954.7	0.00	0.00	0.00
12,210.0	90.00	179.43	10,645.0	-953.2	-204.7	955.7	0.00	0.00	0.00
12,211.0	90.00	179.43	10,645.0	-954.2	-204.6	956.7	0.00	0.00	0.00
12,212.0	90.00	179.43	10,645.0	-955.2	-204.6	957.7	0.00	0.00	0.00
12,213.0	90.00	179.43	10,645.0	-956.2	-204.6	958.7	0.00	0.00	0.00
12,214.0	90.00	179.43	10,645.0	-957.2	-204.6	959.7	0.00	0.00	0.00
12,215.0	90.00	179.43	10,645.0	-958.2	-204.6	960.7	0.00	0.00	0.00
12,216.0	90.00	179.43	10,645.0	-959.2	-204.6	961.7	0.00	0.00	0.00
12,217.0	90.00	179.43	10,645.0	-960.2	-204.6	962.7	0.00	0.00	0.00
12,218.0	90.00	179.43	10,645.0	-961.2	-204.6	963.7	0.00	0.00	0.00
12,219.0	90.00	179.43	10,645.0	-962.2	-204.6	964.7	0.00	0.00	0.00
12,220.0	90.00	179.43	10,645.0	-963.2	-204.6	965.7	0.00	0.00	0.00
12,221.0	90.00	179.43	10,645.0	-964.2	-204.5	966.7	0.00	0.00	0.00
12,222.0	90.00	179.43	10,645.0	-965.2	-204.5	967.7	0.00	0.00	0.00
12,223.0	90.00	179.43	10,645.0	-966.2	-204.5	968.7	0.00	0.00	0.00
12,224.0	90.00	179.43	10,645.0	-967.2	-204.5	969.7	0.00	0.00	0.00
12,225.0	90.00	179.43	10,645.0	-968.2	-204.5	970.7	0.00	0.00	0.00
12,226.0	90.00	179.43	10,645.0	-969.2	-204.5	971.7	0.00	0.00	0.00
12,227.0	90.00	179.43	10,645.0	-970.2	-204.5	972.7	0.00	0.00	0.00
12,228.0	90.00	179.43	10,645.0	-971.2	-204.5	973.7	0.00	0.00	0.00
12,229.0	90.00	179.43	10,645.0	-972.2	-204.5	974.7	0.00	0.00	0.00
12,230.0	90.00	179.43	10,645.0	-973.2	-204.5	975.7	0.00	0.00	0.00
12,231.0	90.00	179.43	10,645.0	-974.2	-204.4	976.7	0.00	0.00	0.00
12,232.0	90.00	179.43	10,645.0	-975.2	-204.4	977.7	0.00	0.00	0.00
12,233.0	90.00	179.43	10,645.0	-976.2	-204.4	978.7	0.00	0.00	0.00
12,234.0	90.00	179.43	10,645.0	-977.2	-204.4	979.7	0.00	0.00	0.00
12,235.0	90.00	179.43	10,645.0	-978.2	-204.4	980.7	0.00	0.00	0.00
12,236.0	90.00	179.43	10,645.0	-979.2	-204.4	981.7	0.00	0.00	0.00
12,237.0	90.00	179.43	10,645.0	-980.2	-204.4	982.7	0.00	0.00	0.00
12,238.0	90.00	179.43	10,645.0	-981.2	-204.4	983.7	0.00	0.00	0.00
12,239.0	90.00	179.43	10,645.0	-982.2	-204.4	984.7	0.00	0.00	0.00
12,240.0	90.00	179.43	10,645.0	-983.2	-204.4	985.7	0.00	0.00	0.00
12,241.0	90.00	179.43	10,645.0	-984.2	-204.3	986.7	0.00	0.00	0.00
12,242.0	90.00	179.43	10,645.0	-985.2	-204.3	987.7	0.00	0.00	0.00
12,243.0	90.00	179.43	10,645.0	-986.2	-204.3	988.7	0.00	0.00	0.00
12,244.0	90.00	179.43	10,645.0	-987.2	-204.3	989.7	0.00	0.00	0.00
12,245.0	90.00	179.43	10,645.0	-988.2	-204.3	990.7	0.00	0.00	0.00
12,246.0	90.00	179.43	10,645.0	-989.2	-204.3	991.7	0.00	0.00	0.00
12,247.0	90.00	179.43	10,645.0	-990.2	-204.3	992.7	0.00	0.00	0.00
12,248.0	90.00	179.43	10,645.0	-991.2	-204.3	993.7	0.00	0.00	0.00
12,249.0	90.00	179.43	10,645.0	-992.2	-204.3	994.7	0.00	0.00	0.00
12,250.0	90.00	179.43	10,645.0	-993.2	-204.3	995.7	0.00	0.00	0.00
12,251.0	90.00	179.43	10,645.0	-994.2	-204.2	996.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,252.0	90.00	179.43	10,645.0	-995.2	-204.2	997.7	0.00	0.00	0.00
12,253.0	90.00	179.43	10,645.0	-996.2	-204.2	998.7	0.00	0.00	0.00
12,254.0	90.00	179.43	10,645.0	-997.2	-204.2	999.7	0.00	0.00	0.00
12,255.0	90.00	179.43	10,645.0	-998.2	-204.2	1,000.7	0.00	0.00	0.00
12,256.0	90.00	179.43	10,645.0	-999.2	-204.2	1,001.7	0.00	0.00	0.00
12,257.0	90.00	179.43	10,645.0	-1,000.2	-204.2	1,002.7	0.00	0.00	0.00
12,258.0	90.00	179.43	10,645.0	-1,001.2	-204.2	1,003.7	0.00	0.00	0.00
12,259.0	90.00	179.43	10,645.0	-1,002.2	-204.2	1,004.7	0.00	0.00	0.00
12,260.0	90.00	179.43	10,645.0	-1,003.2	-204.2	1,005.7	0.00	0.00	0.00
12,261.0	90.00	179.43	10,645.0	-1,004.2	-204.2	1,006.7	0.00	0.00	0.00
12,262.0	90.00	179.43	10,645.0	-1,005.2	-204.1	1,007.7	0.00	0.00	0.00
12,263.0	90.00	179.43	10,645.0	-1,006.2	-204.1	1,008.7	0.00	0.00	0.00
12,264.0	90.00	179.43	10,645.0	-1,007.2	-204.1	1,009.7	0.00	0.00	0.00
12,265.0	90.00	179.43	10,645.0	-1,008.2	-204.1	1,010.7	0.00	0.00	0.00
12,266.0	90.00	179.43	10,645.0	-1,009.2	-204.1	1,011.7	0.00	0.00	0.00
12,267.0	90.00	179.43	10,645.0	-1,010.2	-204.1	1,012.7	0.00	0.00	0.00
12,268.0	90.00	179.43	10,645.0	-1,011.2	-204.1	1,013.7	0.00	0.00	0.00
12,269.0	90.00	179.43	10,645.0	-1,012.2	-204.1	1,014.7	0.00	0.00	0.00
12,270.0	90.00	179.43	10,645.0	-1,013.2	-204.1	1,015.7	0.00	0.00	0.00
12,271.0	90.00	179.43	10,645.0	-1,014.2	-204.1	1,016.7	0.00	0.00	0.00
12,272.0	90.00	179.43	10,645.0	-1,015.2	-204.0	1,017.7	0.00	0.00	0.00
12,273.0	90.00	179.43	10,645.0	-1,016.2	-204.0	1,018.7	0.00	0.00	0.00
12,274.0	90.00	179.43	10,645.0	-1,017.2	-204.0	1,019.7	0.00	0.00	0.00
12,275.0	90.00	179.43	10,645.0	-1,018.2	-204.0	1,020.7	0.00	0.00	0.00
12,276.0	90.00	179.43	10,645.0	-1,019.2	-204.0	1,021.7	0.00	0.00	0.00
12,277.0	90.00	179.43	10,645.0	-1,020.2	-204.0	1,022.7	0.00	0.00	0.00
12,278.0	90.00	179.43	10,645.0	-1,021.2	-204.0	1,023.7	0.00	0.00	0.00
12,279.0	90.00	179.43	10,645.0	-1,022.2	-204.0	1,024.7	0.00	0.00	0.00
12,280.0	90.00	179.43	10,645.0	-1,023.2	-204.0	1,025.7	0.00	0.00	0.00
12,281.0	90.00	179.43	10,645.0	-1,024.2	-204.0	1,026.7	0.00	0.00	0.00
12,282.0	90.00	179.43	10,645.0	-1,025.2	-203.9	1,027.7	0.00	0.00	0.00
12,283.0	90.00	179.43	10,645.0	-1,026.2	-203.9	1,028.7	0.00	0.00	0.00
12,284.0	90.00	179.43	10,645.0	-1,027.2	-203.9	1,029.7	0.00	0.00	0.00
12,285.0	90.00	179.43	10,645.0	-1,028.2	-203.9	1,030.7	0.00	0.00	0.00
12,286.0	90.00	179.43	10,645.0	-1,029.2	-203.9	1,031.7	0.00	0.00	0.00
12,287.0	90.00	179.43	10,645.0	-1,030.2	-203.9	1,032.7	0.00	0.00	0.00
12,288.0	90.00	179.43	10,645.0	-1,031.2	-203.9	1,033.7	0.00	0.00	0.00
12,289.0	90.00	179.43	10,645.0	-1,032.2	-203.9	1,034.7	0.00	0.00	0.00
12,290.0	90.00	179.43	10,645.0	-1,033.2	-203.9	1,035.7	0.00	0.00	0.00
12,291.0	90.00	179.43	10,645.0	-1,034.2	-203.9	1,036.7	0.00	0.00	0.00
12,292.0	90.00	179.43	10,645.0	-1,035.2	-203.8	1,037.7	0.00	0.00	0.00
12,293.0	90.00	179.43	10,645.0	-1,036.2	-203.8	1,038.7	0.00	0.00	0.00
12,294.0	90.00	179.43	10,645.0	-1,037.2	-203.8	1,039.7	0.00	0.00	0.00
12,295.0	90.00	179.43	10,645.0	-1,038.2	-203.8	1,040.7	0.00	0.00	0.00
12,296.0	90.00	179.43	10,645.0	-1,039.2	-203.8	1,041.7	0.00	0.00	0.00
12,297.0	90.00	179.43	10,645.0	-1,040.2	-203.8	1,042.7	0.00	0.00	0.00
12,298.0	90.00	179.43	10,645.0	-1,041.2	-203.8	1,043.7	0.00	0.00	0.00
12,299.0	90.00	179.43	10,645.0	-1,042.2	-203.8	1,044.7	0.00	0.00	0.00
12,300.0	90.00	179.43	10,645.0	-1,043.2	-203.8	1,045.7	0.00	0.00	0.00
12,301.0	90.00	179.43	10,645.0	-1,044.2	-203.8	1,046.7	0.00	0.00	0.00
12,302.0	90.00	179.43	10,645.0	-1,045.2	-203.7	1,047.7	0.00	0.00	0.00
12,303.0	90.00	179.43	10,645.0	-1,046.2	-203.7	1,048.7	0.00	0.00	0.00
12,304.0	90.00	179.43	10,645.0	-1,047.2	-203.7	1,049.7	0.00	0.00	0.00
12,305.0	90.00	179.43	10,645.0	-1,048.2	-203.7	1,050.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,306.0	90.00	179.43	10,645.0	-1,049.2	-203.7	1,051.7	0.00	0.00	0.00
12,307.0	90.00	179.43	10,645.0	-1,050.2	-203.7	1,052.7	0.00	0.00	0.00
12,308.0	90.00	179.43	10,645.0	-1,051.2	-203.7	1,053.7	0.00	0.00	0.00
12,309.0	90.00	179.43	10,645.0	-1,052.2	-203.7	1,054.7	0.00	0.00	0.00
12,310.0	90.00	179.43	10,645.0	-1,053.2	-203.7	1,055.7	0.00	0.00	0.00
12,311.0	90.00	179.43	10,645.0	-1,054.2	-203.7	1,056.7	0.00	0.00	0.00
12,312.0	90.00	179.43	10,645.0	-1,055.2	-203.6	1,057.7	0.00	0.00	0.00
12,313.0	90.00	179.43	10,645.0	-1,056.2	-203.6	1,058.7	0.00	0.00	0.00
12,314.0	90.00	179.43	10,645.0	-1,057.2	-203.6	1,059.7	0.00	0.00	0.00
12,315.0	90.00	179.43	10,645.0	-1,058.2	-203.6	1,060.7	0.00	0.00	0.00
12,316.0	90.00	179.43	10,645.0	-1,059.2	-203.6	1,061.7	0.00	0.00	0.00
12,317.0	90.00	179.43	10,645.0	-1,060.2	-203.6	1,062.7	0.00	0.00	0.00
12,318.0	90.00	179.43	10,645.0	-1,061.2	-203.6	1,063.7	0.00	0.00	0.00
12,319.0	90.00	179.43	10,645.0	-1,062.2	-203.6	1,064.7	0.00	0.00	0.00
12,320.0	90.00	179.43	10,645.0	-1,063.2	-203.6	1,065.7	0.00	0.00	0.00
12,321.0	90.00	179.43	10,645.0	-1,064.2	-203.6	1,066.7	0.00	0.00	0.00
12,322.0	90.00	179.43	10,645.0	-1,065.2	-203.5	1,067.7	0.00	0.00	0.00
12,323.0	90.00	179.43	10,645.0	-1,066.2	-203.5	1,068.7	0.00	0.00	0.00
12,324.0	90.00	179.43	10,645.0	-1,067.2	-203.5	1,069.7	0.00	0.00	0.00
12,325.0	90.00	179.43	10,645.0	-1,068.2	-203.5	1,070.7	0.00	0.00	0.00
12,326.0	90.00	179.43	10,645.0	-1,069.2	-203.5	1,071.7	0.00	0.00	0.00
12,327.0	90.00	179.43	10,645.0	-1,070.2	-203.5	1,072.6	0.00	0.00	0.00
12,328.0	90.00	179.43	10,645.0	-1,071.2	-203.5	1,073.6	0.00	0.00	0.00
12,329.0	90.00	179.43	10,645.0	-1,072.2	-203.5	1,074.6	0.00	0.00	0.00
12,330.0	90.00	179.43	10,645.0	-1,073.2	-203.5	1,075.6	0.00	0.00	0.00
12,331.0	90.00	179.43	10,645.0	-1,074.2	-203.5	1,076.6	0.00	0.00	0.00
12,332.0	90.00	179.43	10,645.0	-1,075.2	-203.4	1,077.6	0.00	0.00	0.00
12,333.0	90.00	179.43	10,645.0	-1,076.2	-203.4	1,078.6	0.00	0.00	0.00
12,334.0	90.00	179.43	10,645.0	-1,077.2	-203.4	1,079.6	0.00	0.00	0.00
12,335.0	90.00	179.43	10,645.0	-1,078.2	-203.4	1,080.6	0.00	0.00	0.00
12,336.0	90.00	179.43	10,645.0	-1,079.2	-203.4	1,081.6	0.00	0.00	0.00
12,337.0	90.00	179.43	10,645.0	-1,080.2	-203.4	1,082.6	0.00	0.00	0.00
12,338.0	90.00	179.43	10,645.0	-1,081.2	-203.4	1,083.6	0.00	0.00	0.00
12,339.0	90.00	179.43	10,645.0	-1,082.2	-203.4	1,084.6	0.00	0.00	0.00
12,340.0	90.00	179.43	10,645.0	-1,083.2	-203.4	1,085.6	0.00	0.00	0.00
12,341.0	90.00	179.43	10,645.0	-1,084.2	-203.4	1,086.6	0.00	0.00	0.00
12,342.0	90.00	179.43	10,645.0	-1,085.2	-203.3	1,087.6	0.00	0.00	0.00
12,343.0	90.00	179.43	10,645.0	-1,086.2	-203.3	1,088.6	0.00	0.00	0.00
12,344.0	90.00	179.43	10,645.0	-1,087.2	-203.3	1,089.6	0.00	0.00	0.00
12,345.0	90.00	179.43	10,645.0	-1,088.2	-203.3	1,090.6	0.00	0.00	0.00
12,346.0	90.00	179.43	10,645.0	-1,089.2	-203.3	1,091.6	0.00	0.00	0.00
12,347.0	90.00	179.43	10,645.0	-1,090.2	-203.3	1,092.6	0.00	0.00	0.00
12,348.0	90.00	179.43	10,645.0	-1,091.2	-203.3	1,093.6	0.00	0.00	0.00
12,349.0	90.00	179.43	10,645.0	-1,092.2	-203.3	1,094.6	0.00	0.00	0.00
12,350.0	90.00	179.43	10,645.0	-1,093.2	-203.3	1,095.6	0.00	0.00	0.00
12,351.0	90.00	179.43	10,645.0	-1,094.2	-203.3	1,096.6	0.00	0.00	0.00
12,352.0	90.00	179.43	10,645.0	-1,095.2	-203.2	1,097.6	0.00	0.00	0.00
12,353.0	90.00	179.43	10,645.0	-1,096.2	-203.2	1,098.6	0.00	0.00	0.00
12,354.0	90.00	179.43	10,645.0	-1,097.2	-203.2	1,099.6	0.00	0.00	0.00
12,355.0	90.00	179.43	10,645.0	-1,098.2	-203.2	1,100.6	0.00	0.00	0.00
12,356.0	90.00	179.43	10,645.0	-1,099.2	-203.2	1,101.6	0.00	0.00	0.00
12,357.0	90.00	179.43	10,645.0	-1,100.2	-203.2	1,102.6	0.00	0.00	0.00
12,358.0	90.00	179.43	10,645.0	-1,101.2	-203.2	1,103.6	0.00	0.00	0.00
12,359.0	90.00	179.43	10,645.0	-1,102.2	-203.2	1,104.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,360.0	90.00	179.43	10,645.0	-1,103.2	-203.2	1,105.6	0.00	0.00	0.00
12,361.0	90.00	179.43	10,645.0	-1,104.2	-203.2	1,106.6	0.00	0.00	0.00
12,362.0	90.00	179.43	10,645.0	-1,105.2	-203.1	1,107.6	0.00	0.00	0.00
12,363.0	90.00	179.43	10,645.0	-1,106.2	-203.1	1,108.6	0.00	0.00	0.00
12,364.0	90.00	179.43	10,645.0	-1,107.2	-203.1	1,109.6	0.00	0.00	0.00
12,365.0	90.00	179.43	10,645.0	-1,108.2	-203.1	1,110.6	0.00	0.00	0.00
12,366.0	90.00	179.43	10,645.0	-1,109.2	-203.1	1,111.6	0.00	0.00	0.00
12,367.0	90.00	179.43	10,645.0	-1,110.2	-203.1	1,112.6	0.00	0.00	0.00
12,368.0	90.00	179.43	10,645.0	-1,111.2	-203.1	1,113.6	0.00	0.00	0.00
12,369.0	90.00	179.43	10,645.0	-1,112.2	-203.1	1,114.6	0.00	0.00	0.00
12,370.0	90.00	179.43	10,645.0	-1,113.2	-203.1	1,115.6	0.00	0.00	0.00
12,371.0	90.00	179.43	10,645.0	-1,114.2	-203.1	1,116.6	0.00	0.00	0.00
12,372.0	90.00	179.43	10,645.0	-1,115.2	-203.0	1,117.6	0.00	0.00	0.00
12,373.0	90.00	179.43	10,645.0	-1,116.2	-203.0	1,118.6	0.00	0.00	0.00
12,374.0	90.00	179.43	10,645.0	-1,117.2	-203.0	1,119.6	0.00	0.00	0.00
12,375.0	90.00	179.43	10,645.0	-1,118.2	-203.0	1,120.6	0.00	0.00	0.00
12,376.0	90.00	179.43	10,645.0	-1,119.2	-203.0	1,121.6	0.00	0.00	0.00
12,377.0	90.00	179.43	10,645.0	-1,120.2	-203.0	1,122.6	0.00	0.00	0.00
12,378.0	90.00	179.43	10,645.0	-1,121.2	-203.0	1,123.6	0.00	0.00	0.00
12,379.0	90.00	179.43	10,645.0	-1,122.2	-203.0	1,124.6	0.00	0.00	0.00
12,380.0	90.00	179.43	10,645.0	-1,123.2	-203.0	1,125.6	0.00	0.00	0.00
12,381.0	90.00	179.43	10,645.0	-1,124.2	-203.0	1,126.6	0.00	0.00	0.00
12,382.0	90.00	179.43	10,645.0	-1,125.2	-202.9	1,127.6	0.00	0.00	0.00
12,383.0	90.00	179.43	10,645.0	-1,126.2	-202.9	1,128.6	0.00	0.00	0.00
12,384.0	90.00	179.43	10,645.0	-1,127.2	-202.9	1,129.6	0.00	0.00	0.00
12,385.0	90.00	179.43	10,645.0	-1,128.2	-202.9	1,130.6	0.00	0.00	0.00
12,386.0	90.00	179.43	10,645.0	-1,129.2	-202.9	1,131.6	0.00	0.00	0.00
12,387.0	90.00	179.43	10,645.0	-1,130.2	-202.9	1,132.6	0.00	0.00	0.00
12,388.0	90.00	179.43	10,645.0	-1,131.2	-202.9	1,133.6	0.00	0.00	0.00
12,389.0	90.00	179.43	10,645.0	-1,132.2	-202.9	1,134.6	0.00	0.00	0.00
12,390.0	90.00	179.43	10,645.0	-1,133.2	-202.9	1,135.6	0.00	0.00	0.00
12,391.0	90.00	179.43	10,645.0	-1,134.2	-202.9	1,136.6	0.00	0.00	0.00
12,392.0	90.00	179.43	10,645.0	-1,135.2	-202.8	1,137.6	0.00	0.00	0.00
12,393.0	90.00	179.43	10,645.0	-1,136.2	-202.8	1,138.6	0.00	0.00	0.00
12,394.0	90.00	179.43	10,645.0	-1,137.2	-202.8	1,139.6	0.00	0.00	0.00
12,395.0	90.00	179.43	10,645.0	-1,138.2	-202.8	1,140.6	0.00	0.00	0.00
12,396.0	90.00	179.43	10,645.0	-1,139.2	-202.8	1,141.6	0.00	0.00	0.00
12,397.0	90.00	179.43	10,645.0	-1,140.2	-202.8	1,142.6	0.00	0.00	0.00
12,398.0	90.00	179.43	10,645.0	-1,141.2	-202.8	1,143.6	0.00	0.00	0.00
12,399.0	90.00	179.43	10,645.0	-1,142.2	-202.8	1,144.6	0.00	0.00	0.00
12,400.0	90.00	179.43	10,645.0	-1,143.2	-202.8	1,145.6	0.00	0.00	0.00
12,401.0	90.00	179.43	10,645.0	-1,144.2	-202.8	1,146.6	0.00	0.00	0.00
12,402.0	90.00	179.43	10,645.0	-1,145.2	-202.7	1,147.6	0.00	0.00	0.00
12,403.0	90.00	179.43	10,645.0	-1,146.2	-202.7	1,148.6	0.00	0.00	0.00
12,404.0	90.00	179.43	10,645.0	-1,147.2	-202.7	1,149.6	0.00	0.00	0.00
12,405.0	90.00	179.43	10,645.0	-1,148.2	-202.7	1,150.6	0.00	0.00	0.00
12,406.0	90.00	179.43	10,645.0	-1,149.2	-202.7	1,151.6	0.00	0.00	0.00
12,407.0	90.00	179.43	10,645.0	-1,150.2	-202.7	1,152.6	0.00	0.00	0.00
12,408.0	90.00	179.43	10,645.0	-1,151.2	-202.7	1,153.6	0.00	0.00	0.00
12,409.0	90.00	179.43	10,645.0	-1,152.2	-202.7	1,154.6	0.00	0.00	0.00
12,410.0	90.00	179.43	10,645.0	-1,153.2	-202.7	1,155.6	0.00	0.00	0.00
12,411.0	90.00	179.43	10,645.0	-1,154.2	-202.7	1,156.6	0.00	0.00	0.00
12,412.0	90.00	179.43	10,645.0	-1,155.2	-202.6	1,157.6	0.00	0.00	0.00
12,413.0	90.00	179.43	10,645.0	-1,156.2	-202.6	1,158.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,414.0	90.00	179.43	10,645.0	-1,157.2	-202.6	1,159.6	0.00	0.00	0.00
12,415.0	90.00	179.43	10,645.0	-1,158.2	-202.6	1,160.6	0.00	0.00	0.00
12,416.0	90.00	179.43	10,645.0	-1,159.2	-202.6	1,161.6	0.00	0.00	0.00
12,417.0	90.00	179.43	10,645.0	-1,160.2	-202.6	1,162.6	0.00	0.00	0.00
12,418.0	90.00	179.43	10,645.0	-1,161.2	-202.6	1,163.6	0.00	0.00	0.00
12,419.0	90.00	179.43	10,645.0	-1,162.2	-202.6	1,164.6	0.00	0.00	0.00
12,420.0	90.00	179.43	10,645.0	-1,163.2	-202.6	1,165.6	0.00	0.00	0.00
12,421.0	90.00	179.43	10,645.0	-1,164.2	-202.6	1,166.6	0.00	0.00	0.00
12,422.0	90.00	179.43	10,645.0	-1,165.2	-202.5	1,167.6	0.00	0.00	0.00
12,423.0	90.00	179.43	10,645.0	-1,166.2	-202.5	1,168.6	0.00	0.00	0.00
12,424.0	90.00	179.43	10,645.0	-1,167.2	-202.5	1,169.6	0.00	0.00	0.00
12,425.0	90.00	179.43	10,645.0	-1,168.2	-202.5	1,170.6	0.00	0.00	0.00
12,426.0	90.00	179.43	10,645.0	-1,169.2	-202.5	1,171.6	0.00	0.00	0.00
12,427.0	90.00	179.43	10,645.0	-1,170.2	-202.5	1,172.6	0.00	0.00	0.00
12,428.0	90.00	179.43	10,645.0	-1,171.2	-202.5	1,173.6	0.00	0.00	0.00
12,429.0	90.00	179.43	10,645.0	-1,172.2	-202.5	1,174.6	0.00	0.00	0.00
12,430.0	90.00	179.43	10,645.0	-1,173.2	-202.5	1,175.6	0.00	0.00	0.00
12,431.0	90.00	179.43	10,645.0	-1,174.2	-202.5	1,176.6	0.00	0.00	0.00
12,432.0	90.00	179.43	10,645.0	-1,175.2	-202.4	1,177.6	0.00	0.00	0.00
12,433.0	90.00	179.43	10,645.0	-1,176.2	-202.4	1,178.6	0.00	0.00	0.00
12,434.0	90.00	179.43	10,645.0	-1,177.2	-202.4	1,179.6	0.00	0.00	0.00
12,435.0	90.00	179.43	10,645.0	-1,178.2	-202.4	1,180.6	0.00	0.00	0.00
12,436.0	90.00	179.43	10,645.0	-1,179.2	-202.4	1,181.6	0.00	0.00	0.00
12,437.0	90.00	179.43	10,645.0	-1,180.2	-202.4	1,182.6	0.00	0.00	0.00
12,438.0	90.00	179.43	10,645.0	-1,181.2	-202.4	1,183.6	0.00	0.00	0.00
12,439.0	90.00	179.43	10,645.0	-1,182.2	-202.4	1,184.6	0.00	0.00	0.00
12,440.0	90.00	179.43	10,645.0	-1,183.2	-202.4	1,185.6	0.00	0.00	0.00
12,441.0	90.00	179.43	10,645.0	-1,184.2	-202.4	1,186.6	0.00	0.00	0.00
12,442.0	90.00	179.43	10,645.0	-1,185.2	-202.3	1,187.6	0.00	0.00	0.00
12,443.0	90.00	179.43	10,645.0	-1,186.2	-202.3	1,188.6	0.00	0.00	0.00
12,444.0	90.00	179.43	10,645.0	-1,187.2	-202.3	1,189.6	0.00	0.00	0.00
12,445.0	90.00	179.43	10,645.0	-1,188.2	-202.3	1,190.6	0.00	0.00	0.00
12,446.0	90.00	179.43	10,645.0	-1,189.2	-202.3	1,191.6	0.00	0.00	0.00
12,447.0	90.00	179.43	10,645.0	-1,190.2	-202.3	1,192.6	0.00	0.00	0.00
12,448.0	90.00	179.43	10,645.0	-1,191.2	-202.3	1,193.6	0.00	0.00	0.00
12,449.0	90.00	179.43	10,645.0	-1,192.2	-202.3	1,194.6	0.00	0.00	0.00
12,450.0	90.00	179.43	10,645.0	-1,193.2	-202.3	1,195.6	0.00	0.00	0.00
12,451.0	90.00	179.43	10,645.0	-1,194.2	-202.3	1,196.6	0.00	0.00	0.00
12,452.0	90.00	179.43	10,645.0	-1,195.2	-202.2	1,197.6	0.00	0.00	0.00
12,453.0	90.00	179.43	10,645.0	-1,196.2	-202.2	1,198.6	0.00	0.00	0.00
12,454.0	90.00	179.43	10,645.0	-1,197.2	-202.2	1,199.6	0.00	0.00	0.00
12,455.0	90.00	179.43	10,645.0	-1,198.2	-202.2	1,200.6	0.00	0.00	0.00
12,456.0	90.00	179.43	10,645.0	-1,199.2	-202.2	1,201.6	0.00	0.00	0.00
12,457.0	90.00	179.43	10,645.0	-1,200.2	-202.2	1,202.6	0.00	0.00	0.00
12,458.0	90.00	179.43	10,645.0	-1,201.2	-202.2	1,203.6	0.00	0.00	0.00
12,459.0	90.00	179.43	10,645.0	-1,202.2	-202.2	1,204.6	0.00	0.00	0.00
12,460.0	90.00	179.43	10,645.0	-1,203.2	-202.2	1,205.6	0.00	0.00	0.00
12,461.0	90.00	179.43	10,645.0	-1,204.2	-202.2	1,206.6	0.00	0.00	0.00
12,462.0	90.00	179.43	10,645.0	-1,205.2	-202.1	1,207.6	0.00	0.00	0.00
12,463.0	90.00	179.43	10,645.0	-1,206.2	-202.1	1,208.6	0.00	0.00	0.00
12,464.0	90.00	179.43	10,645.0	-1,207.2	-202.1	1,209.6	0.00	0.00	0.00
12,465.0	90.00	179.43	10,645.0	-1,208.2	-202.1	1,210.6	0.00	0.00	0.00
12,466.0	90.00	179.43	10,645.0	-1,209.2	-202.1	1,211.6	0.00	0.00	0.00
12,467.0	90.00	179.43	10,645.0	-1,210.2	-202.1	1,212.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,468.0	90.00	179.43	10,645.0	-1,211.2	-202.1	1,213.6	0.00	0.00	0.00
12,469.0	90.00	179.43	10,645.0	-1,212.2	-202.1	1,214.6	0.00	0.00	0.00
12,470.0	90.00	179.43	10,645.0	-1,213.2	-202.1	1,215.6	0.00	0.00	0.00
12,471.0	90.00	179.43	10,645.0	-1,214.2	-202.1	1,216.6	0.00	0.00	0.00
12,472.0	90.00	179.43	10,645.0	-1,215.2	-202.0	1,217.6	0.00	0.00	0.00
12,473.0	90.00	179.43	10,645.0	-1,216.2	-202.0	1,218.6	0.00	0.00	0.00
12,474.0	90.00	179.43	10,645.0	-1,217.2	-202.0	1,219.6	0.00	0.00	0.00
12,475.0	90.00	179.43	10,645.0	-1,218.2	-202.0	1,220.6	0.00	0.00	0.00
12,476.0	90.00	179.43	10,645.0	-1,219.2	-202.0	1,221.6	0.00	0.00	0.00
12,477.0	90.00	179.43	10,645.0	-1,220.2	-202.0	1,222.6	0.00	0.00	0.00
12,478.0	90.00	179.43	10,645.0	-1,221.2	-202.0	1,223.6	0.00	0.00	0.00
12,479.0	90.00	179.43	10,645.0	-1,222.2	-202.0	1,224.6	0.00	0.00	0.00
12,480.0	90.00	179.43	10,645.0	-1,223.2	-202.0	1,225.6	0.00	0.00	0.00
12,481.0	90.00	179.43	10,645.0	-1,224.2	-202.0	1,226.6	0.00	0.00	0.00
12,482.0	90.00	179.43	10,645.0	-1,225.2	-201.9	1,227.6	0.00	0.00	0.00
12,483.0	90.00	179.43	10,645.0	-1,226.2	-201.9	1,228.6	0.00	0.00	0.00
12,484.0	90.00	179.43	10,645.0	-1,227.2	-201.9	1,229.6	0.00	0.00	0.00
12,485.0	90.00	179.43	10,645.0	-1,228.2	-201.9	1,230.6	0.00	0.00	0.00
12,486.0	90.00	179.43	10,645.0	-1,229.2	-201.9	1,231.6	0.00	0.00	0.00
12,487.0	90.00	179.43	10,645.0	-1,230.2	-201.9	1,232.6	0.00	0.00	0.00
12,488.0	90.00	179.43	10,645.0	-1,231.2	-201.9	1,233.6	0.00	0.00	0.00
12,489.0	90.00	179.43	10,645.0	-1,232.2	-201.9	1,234.6	0.00	0.00	0.00
12,490.0	90.00	179.43	10,645.0	-1,233.2	-201.9	1,235.6	0.00	0.00	0.00
12,491.0	90.00	179.43	10,645.0	-1,234.2	-201.9	1,236.6	0.00	0.00	0.00
12,492.0	90.00	179.43	10,645.0	-1,235.2	-201.8	1,237.6	0.00	0.00	0.00
12,493.0	90.00	179.43	10,645.0	-1,236.2	-201.8	1,238.6	0.00	0.00	0.00
12,494.0	90.00	179.43	10,645.0	-1,237.2	-201.8	1,239.6	0.00	0.00	0.00
12,495.0	90.00	179.43	10,645.0	-1,238.2	-201.8	1,240.6	0.00	0.00	0.00
12,496.0	90.00	179.43	10,645.0	-1,239.2	-201.8	1,241.6	0.00	0.00	0.00
12,497.0	90.00	179.43	10,645.0	-1,240.2	-201.8	1,242.6	0.00	0.00	0.00
12,498.0	90.00	179.43	10,645.0	-1,241.2	-201.8	1,243.6	0.00	0.00	0.00
12,499.0	90.00	179.43	10,645.0	-1,242.2	-201.8	1,244.6	0.00	0.00	0.00
12,500.0	90.00	179.43	10,645.0	-1,243.2	-201.8	1,245.6	0.00	0.00	0.00
12,501.0	90.00	179.43	10,645.0	-1,244.2	-201.8	1,246.6	0.00	0.00	0.00
12,502.0	90.00	179.43	10,645.0	-1,245.2	-201.7	1,247.6	0.00	0.00	0.00
12,503.0	90.00	179.43	10,645.0	-1,246.2	-201.7	1,248.6	0.00	0.00	0.00
12,504.0	90.00	179.43	10,645.0	-1,247.2	-201.7	1,249.6	0.00	0.00	0.00
12,505.0	90.00	179.43	10,645.0	-1,248.2	-201.7	1,250.6	0.00	0.00	0.00
12,506.0	90.00	179.43	10,645.0	-1,249.2	-201.7	1,251.6	0.00	0.00	0.00
12,507.0	90.00	179.43	10,645.0	-1,250.2	-201.7	1,252.6	0.00	0.00	0.00
12,508.0	90.00	179.43	10,645.0	-1,251.2	-201.7	1,253.6	0.00	0.00	0.00
12,509.0	90.00	179.43	10,645.0	-1,252.2	-201.7	1,254.6	0.00	0.00	0.00
12,510.0	90.00	179.43	10,645.0	-1,253.2	-201.7	1,255.6	0.00	0.00	0.00
12,511.0	90.00	179.43	10,645.0	-1,254.2	-201.7	1,256.6	0.00	0.00	0.00
12,512.0	90.00	179.43	10,645.0	-1,255.2	-201.6	1,257.6	0.00	0.00	0.00
12,513.0	90.00	179.43	10,645.0	-1,256.2	-201.6	1,258.6	0.00	0.00	0.00
12,514.0	90.00	179.43	10,645.0	-1,257.2	-201.6	1,259.6	0.00	0.00	0.00
12,515.0	90.00	179.43	10,645.0	-1,258.2	-201.6	1,260.6	0.00	0.00	0.00
12,516.0	90.00	179.43	10,645.0	-1,259.2	-201.6	1,261.6	0.00	0.00	0.00
12,517.0	90.00	179.43	10,645.0	-1,260.2	-201.6	1,262.6	0.00	0.00	0.00
12,518.0	90.00	179.43	10,645.0	-1,261.2	-201.6	1,263.6	0.00	0.00	0.00
12,519.0	90.00	179.43	10,645.0	-1,262.2	-201.6	1,264.6	0.00	0.00	0.00
12,520.0	90.00	179.43	10,645.0	-1,263.2	-201.6	1,265.6	0.00	0.00	0.00
12,521.0	90.00	179.43	10,645.0	-1,264.2	-201.6	1,266.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,522.0	90.00	179.43	10,645.0	-1,265.2	-201.5	1,267.6	0.00	0.00	0.00
12,523.0	90.00	179.43	10,645.0	-1,266.2	-201.5	1,268.6	0.00	0.00	0.00
12,524.0	90.00	179.43	10,645.0	-1,267.2	-201.5	1,269.6	0.00	0.00	0.00
12,525.0	90.00	179.43	10,645.0	-1,268.2	-201.5	1,270.6	0.00	0.00	0.00
12,526.0	90.00	179.43	10,645.0	-1,269.2	-201.5	1,271.6	0.00	0.00	0.00
12,527.0	90.00	179.43	10,645.0	-1,270.2	-201.5	1,272.6	0.00	0.00	0.00
12,528.0	90.00	179.43	10,645.0	-1,271.2	-201.5	1,273.6	0.00	0.00	0.00
12,529.0	90.00	179.43	10,645.0	-1,272.2	-201.5	1,274.6	0.00	0.00	0.00
12,530.0	90.00	179.43	10,645.0	-1,273.2	-201.5	1,275.6	0.00	0.00	0.00
12,531.0	90.00	179.43	10,645.0	-1,274.2	-201.5	1,276.6	0.00	0.00	0.00
12,532.0	90.00	179.43	10,645.0	-1,275.2	-201.4	1,277.6	0.00	0.00	0.00
12,533.0	90.00	179.43	10,645.0	-1,276.2	-201.4	1,278.6	0.00	0.00	0.00
12,534.0	90.00	179.43	10,645.0	-1,277.2	-201.4	1,279.6	0.00	0.00	0.00
12,535.0	90.00	179.43	10,645.0	-1,278.2	-201.4	1,280.6	0.00	0.00	0.00
12,536.0	90.00	179.43	10,645.0	-1,279.2	-201.4	1,281.6	0.00	0.00	0.00
12,537.0	90.00	179.43	10,645.0	-1,280.2	-201.4	1,282.6	0.00	0.00	0.00
12,538.0	90.00	179.43	10,645.0	-1,281.2	-201.4	1,283.6	0.00	0.00	0.00
12,539.0	90.00	179.43	10,645.0	-1,282.2	-201.4	1,284.6	0.00	0.00	0.00
12,540.0	90.00	179.43	10,645.0	-1,283.2	-201.4	1,285.6	0.00	0.00	0.00
12,541.0	90.00	179.43	10,645.0	-1,284.2	-201.4	1,286.6	0.00	0.00	0.00
12,542.0	90.00	179.43	10,645.0	-1,285.2	-201.3	1,287.6	0.00	0.00	0.00
12,543.0	90.00	179.43	10,645.0	-1,286.2	-201.3	1,288.6	0.00	0.00	0.00
12,544.0	90.00	179.43	10,645.0	-1,287.2	-201.3	1,289.6	0.00	0.00	0.00
12,545.0	90.00	179.43	10,645.0	-1,288.2	-201.3	1,290.6	0.00	0.00	0.00
12,546.0	90.00	179.43	10,645.0	-1,289.2	-201.3	1,291.6	0.00	0.00	0.00
12,547.0	90.00	179.43	10,645.0	-1,290.2	-201.3	1,292.6	0.00	0.00	0.00
12,548.0	90.00	179.43	10,645.0	-1,291.2	-201.3	1,293.6	0.00	0.00	0.00
12,549.0	90.00	179.43	10,645.0	-1,292.2	-201.3	1,294.6	0.00	0.00	0.00
12,550.0	90.00	179.43	10,645.0	-1,293.2	-201.3	1,295.6	0.00	0.00	0.00
12,551.0	90.00	179.43	10,645.0	-1,294.2	-201.3	1,296.6	0.00	0.00	0.00
12,552.0	90.00	179.43	10,645.0	-1,295.2	-201.3	1,297.6	0.00	0.00	0.00
12,553.0	90.00	179.43	10,645.0	-1,296.2	-201.2	1,298.6	0.00	0.00	0.00
12,554.0	90.00	179.43	10,645.0	-1,297.2	-201.2	1,299.6	0.00	0.00	0.00
12,555.0	90.00	179.43	10,645.0	-1,298.2	-201.2	1,300.6	0.00	0.00	0.00
12,556.0	90.00	179.43	10,645.0	-1,299.2	-201.2	1,301.6	0.00	0.00	0.00
12,557.0	90.00	179.43	10,645.0	-1,300.2	-201.2	1,302.6	0.00	0.00	0.00
12,558.0	90.00	179.43	10,645.0	-1,301.2	-201.2	1,303.6	0.00	0.00	0.00
12,559.0	90.00	179.43	10,645.0	-1,302.2	-201.2	1,304.6	0.00	0.00	0.00
12,560.0	90.00	179.43	10,645.0	-1,303.2	-201.2	1,305.6	0.00	0.00	0.00
12,561.0	90.00	179.43	10,645.0	-1,304.2	-201.2	1,306.6	0.00	0.00	0.00
12,562.0	90.00	179.43	10,645.0	-1,305.2	-201.2	1,307.6	0.00	0.00	0.00
12,563.0	90.00	179.43	10,645.0	-1,306.2	-201.1	1,308.6	0.00	0.00	0.00
12,564.0	90.00	179.43	10,645.0	-1,307.2	-201.1	1,309.6	0.00	0.00	0.00
12,565.0	90.00	179.43	10,645.0	-1,308.2	-201.1	1,310.6	0.00	0.00	0.00
12,566.0	90.00	179.43	10,645.0	-1,309.2	-201.1	1,311.6	0.00	0.00	0.00
12,567.0	90.00	179.43	10,645.0	-1,310.2	-201.1	1,312.6	0.00	0.00	0.00
12,568.0	90.00	179.43	10,645.0	-1,311.2	-201.1	1,313.6	0.00	0.00	0.00
12,569.0	90.00	179.43	10,645.0	-1,312.2	-201.1	1,314.6	0.00	0.00	0.00
12,570.0	90.00	179.43	10,645.0	-1,313.2	-201.1	1,315.6	0.00	0.00	0.00
12,571.0	90.00	179.43	10,645.0	-1,314.2	-201.1	1,316.6	0.00	0.00	0.00
12,572.0	90.00	179.43	10,645.0	-1,315.2	-201.1	1,317.6	0.00	0.00	0.00
12,573.0	90.00	179.43	10,645.0	-1,316.2	-201.0	1,318.6	0.00	0.00	0.00
12,574.0	90.00	179.43	10,645.0	-1,317.2	-201.0	1,319.6	0.00	0.00	0.00
12,575.0	90.00	179.43	10,645.0	-1,318.2	-201.0	1,320.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,576.0	90.00	179.43	10,645.0	-1,319.2	-201.0	1,321.6	0.00	0.00	0.00
12,577.0	90.00	179.43	10,645.0	-1,320.2	-201.0	1,322.6	0.00	0.00	0.00
12,578.0	90.00	179.43	10,645.0	-1,321.2	-201.0	1,323.6	0.00	0.00	0.00
12,579.0	90.00	179.43	10,645.0	-1,322.2	-201.0	1,324.6	0.00	0.00	0.00
12,580.0	90.00	179.43	10,645.0	-1,323.2	-201.0	1,325.6	0.00	0.00	0.00
12,581.0	90.00	179.43	10,645.0	-1,324.2	-201.0	1,326.6	0.00	0.00	0.00
12,582.0	90.00	179.43	10,645.0	-1,325.2	-201.0	1,327.6	0.00	0.00	0.00
12,583.0	90.00	179.43	10,645.0	-1,326.2	-200.9	1,328.6	0.00	0.00	0.00
12,584.0	90.00	179.43	10,645.0	-1,327.2	-200.9	1,329.6	0.00	0.00	0.00
12,585.0	90.00	179.43	10,645.0	-1,328.2	-200.9	1,330.6	0.00	0.00	0.00
12,586.0	90.00	179.43	10,645.0	-1,329.2	-200.9	1,331.6	0.00	0.00	0.00
12,587.0	90.00	179.43	10,645.0	-1,330.2	-200.9	1,332.6	0.00	0.00	0.00
12,588.0	90.00	179.43	10,645.0	-1,331.2	-200.9	1,333.6	0.00	0.00	0.00
12,589.0	90.00	179.43	10,645.0	-1,332.2	-200.9	1,334.6	0.00	0.00	0.00
12,590.0	90.00	179.43	10,645.0	-1,333.2	-200.9	1,335.6	0.00	0.00	0.00
12,591.0	90.00	179.43	10,645.0	-1,334.2	-200.9	1,336.6	0.00	0.00	0.00
12,592.0	90.00	179.43	10,645.0	-1,335.2	-200.9	1,337.6	0.00	0.00	0.00
12,593.0	90.00	179.43	10,645.0	-1,336.2	-200.8	1,338.6	0.00	0.00	0.00
12,594.0	90.00	179.43	10,645.0	-1,337.2	-200.8	1,339.6	0.00	0.00	0.00
12,595.0	90.00	179.43	10,645.0	-1,338.2	-200.8	1,340.6	0.00	0.00	0.00
12,596.0	90.00	179.43	10,645.0	-1,339.2	-200.8	1,341.6	0.00	0.00	0.00
12,597.0	90.00	179.43	10,645.0	-1,340.2	-200.8	1,342.6	0.00	0.00	0.00
12,598.0	90.00	179.43	10,645.0	-1,341.2	-200.8	1,343.6	0.00	0.00	0.00
12,599.0	90.00	179.43	10,645.0	-1,342.2	-200.8	1,344.6	0.00	0.00	0.00
12,600.0	90.00	179.43	10,645.0	-1,343.2	-200.8	1,345.6	0.00	0.00	0.00
12,601.0	90.00	179.43	10,645.0	-1,344.2	-200.8	1,346.6	0.00	0.00	0.00
12,602.0	90.00	179.43	10,645.0	-1,345.2	-200.8	1,347.6	0.00	0.00	0.00
12,603.0	90.00	179.43	10,645.0	-1,346.2	-200.7	1,348.6	0.00	0.00	0.00
12,604.0	90.00	179.43	10,645.0	-1,347.2	-200.7	1,349.6	0.00	0.00	0.00
12,605.0	90.00	179.43	10,645.0	-1,348.2	-200.7	1,350.6	0.00	0.00	0.00
12,606.0	90.00	179.43	10,645.0	-1,349.2	-200.7	1,351.6	0.00	0.00	0.00
12,607.0	90.00	179.43	10,645.0	-1,350.2	-200.7	1,352.6	0.00	0.00	0.00
12,608.0	90.00	179.43	10,645.0	-1,351.2	-200.7	1,353.6	0.00	0.00	0.00
12,609.0	90.00	179.43	10,645.0	-1,352.2	-200.7	1,354.6	0.00	0.00	0.00
12,610.0	90.00	179.43	10,645.0	-1,353.2	-200.7	1,355.6	0.00	0.00	0.00
12,611.0	90.00	179.43	10,645.0	-1,354.2	-200.7	1,356.6	0.00	0.00	0.00
12,612.0	90.00	179.43	10,645.0	-1,355.2	-200.7	1,357.6	0.00	0.00	0.00
12,613.0	90.00	179.43	10,645.0	-1,356.2	-200.6	1,358.6	0.00	0.00	0.00
12,614.0	90.00	179.43	10,645.0	-1,357.2	-200.6	1,359.6	0.00	0.00	0.00
12,615.0	90.00	179.43	10,645.0	-1,358.2	-200.6	1,360.6	0.00	0.00	0.00
12,616.0	90.00	179.43	10,645.0	-1,359.2	-200.6	1,361.6	0.00	0.00	0.00
12,617.0	90.00	179.43	10,645.0	-1,360.2	-200.6	1,362.6	0.00	0.00	0.00
12,618.0	90.00	179.43	10,645.0	-1,361.2	-200.6	1,363.6	0.00	0.00	0.00
12,619.0	90.00	179.43	10,645.0	-1,362.2	-200.6	1,364.6	0.00	0.00	0.00
12,620.0	90.00	179.43	10,645.0	-1,363.2	-200.6	1,365.6	0.00	0.00	0.00
12,621.0	90.00	179.43	10,645.0	-1,364.2	-200.6	1,366.6	0.00	0.00	0.00
12,622.0	90.00	179.43	10,645.0	-1,365.2	-200.6	1,367.6	0.00	0.00	0.00
12,623.0	90.00	179.43	10,645.0	-1,366.2	-200.5	1,368.6	0.00	0.00	0.00
12,624.0	90.00	179.43	10,645.0	-1,367.2	-200.5	1,369.6	0.00	0.00	0.00
12,625.0	90.00	179.43	10,645.0	-1,368.2	-200.5	1,370.6	0.00	0.00	0.00
12,626.0	90.00	179.43	10,645.0	-1,369.2	-200.5	1,371.6	0.00	0.00	0.00
12,627.0	90.00	179.43	10,645.0	-1,370.2	-200.5	1,372.6	0.00	0.00	0.00
12,628.0	90.00	179.43	10,645.0	-1,371.2	-200.5	1,373.6	0.00	0.00	0.00
12,629.0	90.00	179.43	10,645.0	-1,372.2	-200.5	1,374.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,630.0	90.00	179.43	10,645.0	-1,373.2	-200.5	1,375.6	0.00	0.00	0.00
12,631.0	90.00	179.43	10,645.0	-1,374.2	-200.5	1,376.6	0.00	0.00	0.00
12,632.0	90.00	179.43	10,645.0	-1,375.2	-200.5	1,377.6	0.00	0.00	0.00
12,633.0	90.00	179.43	10,645.0	-1,376.2	-200.4	1,378.6	0.00	0.00	0.00
12,634.0	90.00	179.43	10,645.0	-1,377.2	-200.4	1,379.6	0.00	0.00	0.00
12,635.0	90.00	179.43	10,645.0	-1,378.2	-200.4	1,380.6	0.00	0.00	0.00
12,636.0	90.00	179.43	10,645.0	-1,379.2	-200.4	1,381.6	0.00	0.00	0.00
12,637.0	90.00	179.43	10,645.0	-1,380.2	-200.4	1,382.6	0.00	0.00	0.00
12,638.0	90.00	179.43	10,645.0	-1,381.2	-200.4	1,383.6	0.00	0.00	0.00
12,639.0	90.00	179.43	10,645.0	-1,382.2	-200.4	1,384.6	0.00	0.00	0.00
12,640.0	90.00	179.43	10,645.0	-1,383.2	-200.4	1,385.6	0.00	0.00	0.00
12,641.0	90.00	179.43	10,645.0	-1,384.2	-200.4	1,386.6	0.00	0.00	0.00
12,642.0	90.00	179.43	10,645.0	-1,385.2	-200.4	1,387.6	0.00	0.00	0.00
12,643.0	90.00	179.43	10,645.0	-1,386.2	-200.3	1,388.6	0.00	0.00	0.00
12,644.0	90.00	179.43	10,645.0	-1,387.2	-200.3	1,389.6	0.00	0.00	0.00
12,645.0	90.00	179.43	10,645.0	-1,388.2	-200.3	1,390.6	0.00	0.00	0.00
12,646.0	90.00	179.43	10,645.0	-1,389.2	-200.3	1,391.6	0.00	0.00	0.00
12,647.0	90.00	179.43	10,645.0	-1,390.2	-200.3	1,392.6	0.00	0.00	0.00
12,648.0	90.00	179.43	10,645.0	-1,391.2	-200.3	1,393.6	0.00	0.00	0.00
12,649.0	90.00	179.43	10,645.0	-1,392.2	-200.3	1,394.6	0.00	0.00	0.00
12,650.0	90.00	179.43	10,645.0	-1,393.2	-200.3	1,395.6	0.00	0.00	0.00
12,651.0	90.00	179.43	10,645.0	-1,394.2	-200.3	1,396.6	0.00	0.00	0.00
12,652.0	90.00	179.43	10,645.0	-1,395.2	-200.3	1,397.6	0.00	0.00	0.00
12,653.0	90.00	179.43	10,645.0	-1,396.2	-200.2	1,398.6	0.00	0.00	0.00
12,654.0	90.00	179.43	10,645.0	-1,397.2	-200.2	1,399.6	0.00	0.00	0.00
12,655.0	90.00	179.43	10,645.0	-1,398.2	-200.2	1,400.6	0.00	0.00	0.00
12,656.0	90.00	179.43	10,645.0	-1,399.2	-200.2	1,401.6	0.00	0.00	0.00
12,657.0	90.00	179.43	10,645.0	-1,400.2	-200.2	1,402.6	0.00	0.00	0.00
12,658.0	90.00	179.43	10,645.0	-1,401.2	-200.2	1,403.6	0.00	0.00	0.00
12,659.0	90.00	179.43	10,645.0	-1,402.2	-200.2	1,404.6	0.00	0.00	0.00
12,660.0	90.00	179.43	10,645.0	-1,403.2	-200.2	1,405.6	0.00	0.00	0.00
12,661.0	90.00	179.43	10,645.0	-1,404.2	-200.2	1,406.6	0.00	0.00	0.00
12,662.0	90.00	179.43	10,645.0	-1,405.2	-200.2	1,407.6	0.00	0.00	0.00
12,663.0	90.00	179.43	10,645.0	-1,406.2	-200.1	1,408.6	0.00	0.00	0.00
12,664.0	90.00	179.43	10,645.0	-1,407.2	-200.1	1,409.6	0.00	0.00	0.00
12,665.0	90.00	179.43	10,645.0	-1,408.2	-200.1	1,410.6	0.00	0.00	0.00
12,666.0	90.00	179.43	10,645.0	-1,409.2	-200.1	1,411.6	0.00	0.00	0.00
12,667.0	90.00	179.43	10,645.0	-1,410.2	-200.1	1,412.6	0.00	0.00	0.00
12,668.0	90.00	179.43	10,645.0	-1,411.2	-200.1	1,413.6	0.00	0.00	0.00
12,669.0	90.00	179.43	10,645.0	-1,412.2	-200.1	1,414.6	0.00	0.00	0.00
12,670.0	90.00	179.43	10,645.0	-1,413.2	-200.1	1,415.6	0.00	0.00	0.00
12,671.0	90.00	179.43	10,645.0	-1,414.2	-200.1	1,416.6	0.00	0.00	0.00
12,672.0	90.00	179.43	10,645.0	-1,415.2	-200.1	1,417.6	0.00	0.00	0.00
12,673.0	90.00	179.43	10,645.0	-1,416.2	-200.0	1,418.6	0.00	0.00	0.00
12,674.0	90.00	179.43	10,645.0	-1,417.2	-200.0	1,419.6	0.00	0.00	0.00
12,675.0	90.00	179.43	10,645.0	-1,418.2	-200.0	1,420.6	0.00	0.00	0.00
12,676.0	90.00	179.43	10,645.0	-1,419.2	-200.0	1,421.6	0.00	0.00	0.00
12,677.0	90.00	179.43	10,645.0	-1,420.2	-200.0	1,422.6	0.00	0.00	0.00
12,678.0	90.00	179.43	10,645.0	-1,421.2	-200.0	1,423.6	0.00	0.00	0.00
12,679.0	90.00	179.43	10,645.0	-1,422.2	-200.0	1,424.6	0.00	0.00	0.00
12,680.0	90.00	179.43	10,645.0	-1,423.2	-200.0	1,425.6	0.00	0.00	0.00
12,681.0	90.00	179.43	10,645.0	-1,424.2	-200.0	1,426.6	0.00	0.00	0.00
12,682.0	90.00	179.43	10,645.0	-1,425.2	-200.0	1,427.6	0.00	0.00	0.00
12,683.0	90.00	179.43	10,645.0	-1,426.2	-199.9	1,428.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,684.0	90.00	179.43	10,645.0	-1,427.2	-199.9	1,429.6	0.00	0.00	0.00
12,685.0	90.00	179.43	10,645.0	-1,428.2	-199.9	1,430.6	0.00	0.00	0.00
12,686.0	90.00	179.43	10,645.0	-1,429.2	-199.9	1,431.6	0.00	0.00	0.00
12,687.0	90.00	179.43	10,645.0	-1,430.2	-199.9	1,432.6	0.00	0.00	0.00
12,688.0	90.00	179.43	10,645.0	-1,431.2	-199.9	1,433.6	0.00	0.00	0.00
12,689.0	90.00	179.43	10,645.0	-1,432.2	-199.9	1,434.6	0.00	0.00	0.00
12,690.0	90.00	179.43	10,645.0	-1,433.2	-199.9	1,435.6	0.00	0.00	0.00
12,691.0	90.00	179.43	10,645.0	-1,434.2	-199.9	1,436.6	0.00	0.00	0.00
12,692.0	90.00	179.43	10,645.0	-1,435.2	-199.9	1,437.6	0.00	0.00	0.00
12,693.0	90.00	179.43	10,645.0	-1,436.2	-199.8	1,438.6	0.00	0.00	0.00
12,694.0	90.00	179.43	10,645.0	-1,437.2	-199.8	1,439.6	0.00	0.00	0.00
12,695.0	90.00	179.43	10,645.0	-1,438.2	-199.8	1,440.6	0.00	0.00	0.00
12,696.0	90.00	179.43	10,645.0	-1,439.2	-199.8	1,441.6	0.00	0.00	0.00
12,697.0	90.00	179.43	10,645.0	-1,440.2	-199.8	1,442.6	0.00	0.00	0.00
12,698.0	90.00	179.43	10,645.0	-1,441.2	-199.8	1,443.6	0.00	0.00	0.00
12,699.0	90.00	179.43	10,645.0	-1,442.2	-199.8	1,444.6	0.00	0.00	0.00
12,700.0	90.00	179.43	10,645.0	-1,443.2	-199.8	1,445.6	0.00	0.00	0.00
12,701.0	90.00	179.43	10,645.0	-1,444.2	-199.8	1,446.6	0.00	0.00	0.00
12,702.0	90.00	179.43	10,645.0	-1,445.2	-199.8	1,447.6	0.00	0.00	0.00
12,703.0	90.00	179.43	10,645.0	-1,446.2	-199.7	1,448.6	0.00	0.00	0.00
12,704.0	90.00	179.43	10,645.0	-1,447.2	-199.7	1,449.6	0.00	0.00	0.00
12,705.0	90.00	179.43	10,645.0	-1,448.2	-199.7	1,450.6	0.00	0.00	0.00
12,706.0	90.00	179.43	10,645.0	-1,449.2	-199.7	1,451.6	0.00	0.00	0.00
12,707.0	90.00	179.43	10,645.0	-1,450.2	-199.7	1,452.6	0.00	0.00	0.00
12,708.0	90.00	179.43	10,645.0	-1,451.2	-199.7	1,453.6	0.00	0.00	0.00
12,709.0	90.00	179.43	10,645.0	-1,452.2	-199.7	1,454.6	0.00	0.00	0.00
12,710.0	90.00	179.43	10,645.0	-1,453.2	-199.7	1,455.6	0.00	0.00	0.00
12,711.0	90.00	179.43	10,645.0	-1,454.2	-199.7	1,456.6	0.00	0.00	0.00
12,712.0	90.00	179.43	10,645.0	-1,455.2	-199.7	1,457.6	0.00	0.00	0.00
12,713.0	90.00	179.43	10,645.0	-1,456.2	-199.6	1,458.6	0.00	0.00	0.00
12,714.0	90.00	179.43	10,645.0	-1,457.2	-199.6	1,459.6	0.00	0.00	0.00
12,715.0	90.00	179.43	10,645.0	-1,458.2	-199.6	1,460.6	0.00	0.00	0.00
12,716.0	90.00	179.43	10,645.0	-1,459.2	-199.6	1,461.6	0.00	0.00	0.00
12,717.0	90.00	179.43	10,645.0	-1,460.2	-199.6	1,462.6	0.00	0.00	0.00
12,718.0	90.00	179.43	10,645.0	-1,461.2	-199.6	1,463.6	0.00	0.00	0.00
12,719.0	90.00	179.43	10,645.0	-1,462.2	-199.6	1,464.6	0.00	0.00	0.00
12,720.0	90.00	179.43	10,645.0	-1,463.2	-199.6	1,465.6	0.00	0.00	0.00
12,721.0	90.00	179.43	10,645.0	-1,464.2	-199.6	1,466.5	0.00	0.00	0.00
12,722.0	90.00	179.43	10,645.0	-1,465.2	-199.6	1,467.5	0.00	0.00	0.00
12,723.0	90.00	179.43	10,645.0	-1,466.2	-199.5	1,468.5	0.00	0.00	0.00
12,724.0	90.00	179.43	10,645.0	-1,467.2	-199.5	1,469.5	0.00	0.00	0.00
12,725.0	90.00	179.43	10,645.0	-1,468.2	-199.5	1,470.5	0.00	0.00	0.00
12,726.0	90.00	179.43	10,645.0	-1,469.2	-199.5	1,471.5	0.00	0.00	0.00
12,727.0	90.00	179.43	10,645.0	-1,470.2	-199.5	1,472.5	0.00	0.00	0.00
12,728.0	90.00	179.43	10,645.0	-1,471.2	-199.5	1,473.5	0.00	0.00	0.00
12,729.0	90.00	179.43	10,645.0	-1,472.2	-199.5	1,474.5	0.00	0.00	0.00
12,730.0	90.00	179.43	10,645.0	-1,473.2	-199.5	1,475.5	0.00	0.00	0.00
12,731.0	90.00	179.43	10,645.0	-1,474.2	-199.5	1,476.5	0.00	0.00	0.00
12,732.0	90.00	179.43	10,645.0	-1,475.2	-199.5	1,477.5	0.00	0.00	0.00
12,733.0	90.00	179.43	10,645.0	-1,476.2	-199.4	1,478.5	0.00	0.00	0.00
12,734.0	90.00	179.43	10,645.0	-1,477.2	-199.4	1,479.5	0.00	0.00	0.00
12,735.0	90.00	179.43	10,645.0	-1,478.2	-199.4	1,480.5	0.00	0.00	0.00
12,736.0	90.00	179.43	10,645.0	-1,479.2	-199.4	1,481.5	0.00	0.00	0.00
12,737.0	90.00	179.43	10,645.0	-1,480.2	-199.4	1,482.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,738.0	90.00	179.43	10,645.0	-1,481.2	-199.4	1,483.5	0.00	0.00	0.00
12,739.0	90.00	179.43	10,645.0	-1,482.2	-199.4	1,484.5	0.00	0.00	0.00
12,740.0	90.00	179.43	10,645.0	-1,483.2	-199.4	1,485.5	0.00	0.00	0.00
12,741.0	90.00	179.43	10,645.0	-1,484.2	-199.4	1,486.5	0.00	0.00	0.00
12,742.0	90.00	179.43	10,645.0	-1,485.2	-199.4	1,487.5	0.00	0.00	0.00
12,743.0	90.00	179.43	10,645.0	-1,486.2	-199.3	1,488.5	0.00	0.00	0.00
12,744.0	90.00	179.43	10,645.0	-1,487.2	-199.3	1,489.5	0.00	0.00	0.00
12,745.0	90.00	179.43	10,645.0	-1,488.2	-199.3	1,490.5	0.00	0.00	0.00
12,746.0	90.00	179.43	10,645.0	-1,489.2	-199.3	1,491.5	0.00	0.00	0.00
12,747.0	90.00	179.43	10,645.0	-1,490.2	-199.3	1,492.5	0.00	0.00	0.00
12,748.0	90.00	179.43	10,645.0	-1,491.2	-199.3	1,493.5	0.00	0.00	0.00
12,749.0	90.00	179.43	10,645.0	-1,492.2	-199.3	1,494.5	0.00	0.00	0.00
12,750.0	90.00	179.43	10,645.0	-1,493.2	-199.3	1,495.5	0.00	0.00	0.00
12,751.0	90.00	179.43	10,645.0	-1,494.2	-199.3	1,496.5	0.00	0.00	0.00
12,752.0	90.00	179.43	10,645.0	-1,495.2	-199.3	1,497.5	0.00	0.00	0.00
12,753.0	90.00	179.43	10,645.0	-1,496.2	-199.2	1,498.5	0.00	0.00	0.00
12,754.0	90.00	179.43	10,645.0	-1,497.2	-199.2	1,499.5	0.00	0.00	0.00
12,755.0	90.00	179.43	10,645.0	-1,498.2	-199.2	1,500.5	0.00	0.00	0.00
12,756.0	90.00	179.43	10,645.0	-1,499.2	-199.2	1,501.5	0.00	0.00	0.00
12,757.0	90.00	179.43	10,645.0	-1,500.2	-199.2	1,502.5	0.00	0.00	0.00
12,758.0	90.00	179.43	10,645.0	-1,501.2	-199.2	1,503.5	0.00	0.00	0.00
12,759.0	90.00	179.43	10,645.0	-1,502.2	-199.2	1,504.5	0.00	0.00	0.00
12,760.0	90.00	179.43	10,645.0	-1,503.2	-199.2	1,505.5	0.00	0.00	0.00
12,761.0	90.00	179.43	10,645.0	-1,504.2	-199.2	1,506.5	0.00	0.00	0.00
12,762.0	90.00	179.43	10,645.0	-1,505.2	-199.2	1,507.5	0.00	0.00	0.00
12,763.0	90.00	179.43	10,645.0	-1,506.2	-199.1	1,508.5	0.00	0.00	0.00
12,764.0	90.00	179.43	10,645.0	-1,507.2	-199.1	1,509.5	0.00	0.00	0.00
12,765.0	90.00	179.43	10,645.0	-1,508.2	-199.1	1,510.5	0.00	0.00	0.00
12,766.0	90.00	179.43	10,645.0	-1,509.2	-199.1	1,511.5	0.00	0.00	0.00
12,767.0	90.00	179.43	10,645.0	-1,510.2	-199.1	1,512.5	0.00	0.00	0.00
12,768.0	90.00	179.43	10,645.0	-1,511.2	-199.1	1,513.5	0.00	0.00	0.00
12,769.0	90.00	179.43	10,645.0	-1,512.2	-199.1	1,514.5	0.00	0.00	0.00
12,770.0	90.00	179.43	10,645.0	-1,513.2	-199.1	1,515.5	0.00	0.00	0.00
12,771.0	90.00	179.43	10,645.0	-1,514.2	-199.1	1,516.5	0.00	0.00	0.00
12,772.0	90.00	179.43	10,645.0	-1,515.2	-199.1	1,517.5	0.00	0.00	0.00
12,773.0	90.00	179.43	10,645.0	-1,516.2	-199.0	1,518.5	0.00	0.00	0.00
12,774.0	90.00	179.43	10,645.0	-1,517.2	-199.0	1,519.5	0.00	0.00	0.00
12,775.0	90.00	179.43	10,645.0	-1,518.2	-199.0	1,520.5	0.00	0.00	0.00
12,776.0	90.00	179.43	10,645.0	-1,519.2	-199.0	1,521.5	0.00	0.00	0.00
12,777.0	90.00	179.43	10,645.0	-1,520.2	-199.0	1,522.5	0.00	0.00	0.00
12,778.0	90.00	179.43	10,645.0	-1,521.2	-199.0	1,523.5	0.00	0.00	0.00
12,779.0	90.00	179.43	10,645.0	-1,522.2	-199.0	1,524.5	0.00	0.00	0.00
12,780.0	90.00	179.43	10,645.0	-1,523.2	-199.0	1,525.5	0.00	0.00	0.00
12,781.0	90.00	179.43	10,645.0	-1,524.2	-199.0	1,526.5	0.00	0.00	0.00
12,782.0	90.00	179.43	10,645.0	-1,525.2	-199.0	1,527.5	0.00	0.00	0.00
12,783.0	90.00	179.43	10,645.0	-1,526.2	-198.9	1,528.5	0.00	0.00	0.00
12,784.0	90.00	179.43	10,645.0	-1,527.2	-198.9	1,529.5	0.00	0.00	0.00
12,785.0	90.00	179.43	10,645.0	-1,528.2	-198.9	1,530.5	0.00	0.00	0.00
12,786.0	90.00	179.43	10,645.0	-1,529.2	-198.9	1,531.5	0.00	0.00	0.00
12,787.0	90.00	179.43	10,645.0	-1,530.2	-198.9	1,532.5	0.00	0.00	0.00
12,788.0	90.00	179.43	10,645.0	-1,531.2	-198.9	1,533.5	0.00	0.00	0.00
12,789.0	90.00	179.43	10,645.0	-1,532.2	-198.9	1,534.5	0.00	0.00	0.00
12,790.0	90.00	179.43	10,645.0	-1,533.2	-198.9	1,535.5	0.00	0.00	0.00
12,791.0	90.00	179.43	10,645.0	-1,534.2	-198.9	1,536.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,792.0	90.00	179.43	10,645.0	-1,535.2	-198.9	1,537.5	0.00	0.00	0.00
12,793.0	90.00	179.43	10,645.0	-1,536.2	-198.8	1,538.5	0.00	0.00	0.00
12,794.0	90.00	179.43	10,645.0	-1,537.2	-198.8	1,539.5	0.00	0.00	0.00
12,795.0	90.00	179.43	10,645.0	-1,538.2	-198.8	1,540.5	0.00	0.00	0.00
12,796.0	90.00	179.43	10,645.0	-1,539.2	-198.8	1,541.5	0.00	0.00	0.00
12,797.0	90.00	179.43	10,645.0	-1,540.2	-198.8	1,542.5	0.00	0.00	0.00
12,798.0	90.00	179.43	10,645.0	-1,541.2	-198.8	1,543.5	0.00	0.00	0.00
12,799.0	90.00	179.43	10,645.0	-1,542.2	-198.8	1,544.5	0.00	0.00	0.00
12,800.0	90.00	179.43	10,645.0	-1,543.2	-198.8	1,545.5	0.00	0.00	0.00
12,801.0	90.00	179.43	10,645.0	-1,544.2	-198.8	1,546.5	0.00	0.00	0.00
12,802.0	90.00	179.43	10,645.0	-1,545.2	-198.8	1,547.5	0.00	0.00	0.00
12,803.0	90.00	179.43	10,645.0	-1,546.2	-198.7	1,548.5	0.00	0.00	0.00
12,804.0	90.00	179.43	10,645.0	-1,547.2	-198.7	1,549.5	0.00	0.00	0.00
12,805.0	90.00	179.43	10,645.0	-1,548.2	-198.7	1,550.5	0.00	0.00	0.00
12,806.0	90.00	179.43	10,645.0	-1,549.2	-198.7	1,551.5	0.00	0.00	0.00
12,807.0	90.00	179.43	10,645.0	-1,550.2	-198.7	1,552.5	0.00	0.00	0.00
12,808.0	90.00	179.43	10,645.0	-1,551.2	-198.7	1,553.5	0.00	0.00	0.00
12,809.0	90.00	179.43	10,645.0	-1,552.2	-198.7	1,554.5	0.00	0.00	0.00
12,810.0	90.00	179.43	10,645.0	-1,553.2	-198.7	1,555.5	0.00	0.00	0.00
12,811.0	90.00	179.43	10,645.0	-1,554.2	-198.7	1,556.5	0.00	0.00	0.00
12,812.0	90.00	179.43	10,645.0	-1,555.2	-198.7	1,557.5	0.00	0.00	0.00
12,813.0	90.00	179.43	10,645.0	-1,556.2	-198.6	1,558.5	0.00	0.00	0.00
12,814.0	90.00	179.43	10,645.0	-1,557.2	-198.6	1,559.5	0.00	0.00	0.00
12,815.0	90.00	179.43	10,645.0	-1,558.2	-198.6	1,560.5	0.00	0.00	0.00
12,816.0	90.00	179.43	10,645.0	-1,559.2	-198.6	1,561.5	0.00	0.00	0.00
12,817.0	90.00	179.43	10,645.0	-1,560.2	-198.6	1,562.5	0.00	0.00	0.00
12,818.0	90.00	179.43	10,645.0	-1,561.2	-198.6	1,563.5	0.00	0.00	0.00
12,819.0	90.00	179.43	10,645.0	-1,562.2	-198.6	1,564.5	0.00	0.00	0.00
12,820.0	90.00	179.43	10,645.0	-1,563.2	-198.6	1,565.5	0.00	0.00	0.00
12,821.0	90.00	179.43	10,645.0	-1,564.2	-198.6	1,566.5	0.00	0.00	0.00
12,822.0	90.00	179.43	10,645.0	-1,565.2	-198.6	1,567.5	0.00	0.00	0.00
12,823.0	90.00	179.43	10,645.0	-1,566.2	-198.5	1,568.5	0.00	0.00	0.00
12,824.0	90.00	179.43	10,645.0	-1,567.2	-198.5	1,569.5	0.00	0.00	0.00
12,825.0	90.00	179.43	10,645.0	-1,568.2	-198.5	1,570.5	0.00	0.00	0.00
12,826.0	90.00	179.43	10,645.0	-1,569.2	-198.5	1,571.5	0.00	0.00	0.00
12,827.0	90.00	179.43	10,645.0	-1,570.2	-198.5	1,572.5	0.00	0.00	0.00
12,828.0	90.00	179.43	10,645.0	-1,571.2	-198.5	1,573.5	0.00	0.00	0.00
12,829.0	90.00	179.43	10,645.0	-1,572.2	-198.5	1,574.5	0.00	0.00	0.00
12,830.0	90.00	179.43	10,645.0	-1,573.2	-198.5	1,575.5	0.00	0.00	0.00
12,831.0	90.00	179.43	10,645.0	-1,574.2	-198.5	1,576.5	0.00	0.00	0.00
12,832.0	90.00	179.43	10,645.0	-1,575.2	-198.5	1,577.5	0.00	0.00	0.00
12,833.0	90.00	179.43	10,645.0	-1,576.2	-198.5	1,578.5	0.00	0.00	0.00
12,834.0	90.00	179.43	10,645.0	-1,577.2	-198.4	1,579.5	0.00	0.00	0.00
12,835.0	90.00	179.43	10,645.0	-1,578.2	-198.4	1,580.5	0.00	0.00	0.00
12,836.0	90.00	179.43	10,645.0	-1,579.2	-198.4	1,581.5	0.00	0.00	0.00
12,837.0	90.00	179.43	10,645.0	-1,580.2	-198.4	1,582.5	0.00	0.00	0.00
12,838.0	90.00	179.43	10,645.0	-1,581.2	-198.4	1,583.5	0.00	0.00	0.00
12,839.0	90.00	179.43	10,645.0	-1,582.2	-198.4	1,584.5	0.00	0.00	0.00
12,840.0	90.00	179.43	10,645.0	-1,583.2	-198.4	1,585.5	0.00	0.00	0.00
12,841.0	90.00	179.43	10,645.0	-1,584.2	-198.4	1,586.5	0.00	0.00	0.00
12,842.0	90.00	179.43	10,645.0	-1,585.2	-198.4	1,587.5	0.00	0.00	0.00
12,843.0	90.00	179.43	10,645.0	-1,586.2	-198.4	1,588.5	0.00	0.00	0.00
12,844.0	90.00	179.43	10,645.0	-1,587.2	-198.3	1,589.5	0.00	0.00	0.00
12,845.0	90.00	179.43	10,645.0	-1,588.2	-198.3	1,590.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,846.0	90.00	179.43	10,645.0	-1,589.2	-198.3	1,591.5	0.00	0.00	0.00
12,847.0	90.00	179.43	10,645.0	-1,590.2	-198.3	1,592.5	0.00	0.00	0.00
12,848.0	90.00	179.43	10,645.0	-1,591.2	-198.3	1,593.5	0.00	0.00	0.00
12,849.0	90.00	179.43	10,645.0	-1,592.2	-198.3	1,594.5	0.00	0.00	0.00
12,850.0	90.00	179.43	10,645.0	-1,593.2	-198.3	1,595.5	0.00	0.00	0.00
12,851.0	90.00	179.43	10,645.0	-1,594.2	-198.3	1,596.5	0.00	0.00	0.00
12,852.0	90.00	179.43	10,645.0	-1,595.2	-198.3	1,597.5	0.00	0.00	0.00
12,853.0	90.00	179.43	10,645.0	-1,596.2	-198.3	1,598.5	0.00	0.00	0.00
12,854.0	90.00	179.43	10,645.0	-1,597.2	-198.2	1,599.5	0.00	0.00	0.00
12,855.0	90.00	179.43	10,645.0	-1,598.2	-198.2	1,600.5	0.00	0.00	0.00
12,856.0	90.00	179.43	10,645.0	-1,599.2	-198.2	1,601.5	0.00	0.00	0.00
12,857.0	90.00	179.43	10,645.0	-1,600.2	-198.2	1,602.5	0.00	0.00	0.00
12,858.0	90.00	179.43	10,645.0	-1,601.2	-198.2	1,603.5	0.00	0.00	0.00
12,859.0	90.00	179.43	10,645.0	-1,602.2	-198.2	1,604.5	0.00	0.00	0.00
12,860.0	90.00	179.43	10,645.0	-1,603.2	-198.2	1,605.5	0.00	0.00	0.00
12,861.0	90.00	179.43	10,645.0	-1,604.2	-198.2	1,606.5	0.00	0.00	0.00
12,862.0	90.00	179.43	10,645.0	-1,605.2	-198.2	1,607.5	0.00	0.00	0.00
12,863.0	90.00	179.43	10,645.0	-1,606.2	-198.2	1,608.5	0.00	0.00	0.00
12,864.0	90.00	179.43	10,645.0	-1,607.2	-198.1	1,609.5	0.00	0.00	0.00
12,865.0	90.00	179.43	10,645.0	-1,608.2	-198.1	1,610.5	0.00	0.00	0.00
12,866.0	90.00	179.43	10,645.0	-1,609.2	-198.1	1,611.5	0.00	0.00	0.00
12,867.0	90.00	179.43	10,645.0	-1,610.2	-198.1	1,612.5	0.00	0.00	0.00
12,868.0	90.00	179.43	10,645.0	-1,611.2	-198.1	1,613.5	0.00	0.00	0.00
12,869.0	90.00	179.43	10,645.0	-1,612.2	-198.1	1,614.5	0.00	0.00	0.00
12,870.0	90.00	179.43	10,645.0	-1,613.2	-198.1	1,615.5	0.00	0.00	0.00
12,871.0	90.00	179.43	10,645.0	-1,614.2	-198.1	1,616.5	0.00	0.00	0.00
12,872.0	90.00	179.43	10,645.0	-1,615.2	-198.1	1,617.5	0.00	0.00	0.00
12,873.0	90.00	179.43	10,645.0	-1,616.2	-198.1	1,618.5	0.00	0.00	0.00
12,874.0	90.00	179.43	10,645.0	-1,617.2	-198.0	1,619.5	0.00	0.00	0.00
12,875.0	90.00	179.43	10,645.0	-1,618.2	-198.0	1,620.5	0.00	0.00	0.00
12,876.0	90.00	179.43	10,645.0	-1,619.2	-198.0	1,621.5	0.00	0.00	0.00
12,877.0	90.00	179.43	10,645.0	-1,620.2	-198.0	1,622.5	0.00	0.00	0.00
12,878.0	90.00	179.43	10,645.0	-1,621.2	-198.0	1,623.5	0.00	0.00	0.00
12,879.0	90.00	179.43	10,645.0	-1,622.2	-198.0	1,624.5	0.00	0.00	0.00
12,880.0	90.00	179.43	10,645.0	-1,623.2	-198.0	1,625.5	0.00	0.00	0.00
12,881.0	90.00	179.43	10,645.0	-1,624.1	-198.0	1,626.5	0.00	0.00	0.00
12,882.0	90.00	179.43	10,645.0	-1,625.1	-198.0	1,627.5	0.00	0.00	0.00
12,883.0	90.00	179.43	10,645.0	-1,626.1	-198.0	1,628.5	0.00	0.00	0.00
12,884.0	90.00	179.43	10,645.0	-1,627.1	-197.9	1,629.5	0.00	0.00	0.00
12,885.0	90.00	179.43	10,645.0	-1,628.1	-197.9	1,630.5	0.00	0.00	0.00
12,886.0	90.00	179.43	10,645.0	-1,629.1	-197.9	1,631.5	0.00	0.00	0.00
12,887.0	90.00	179.43	10,645.0	-1,630.1	-197.9	1,632.5	0.00	0.00	0.00
12,888.0	90.00	179.43	10,645.0	-1,631.1	-197.9	1,633.5	0.00	0.00	0.00
12,889.0	90.00	179.43	10,645.0	-1,632.1	-197.9	1,634.5	0.00	0.00	0.00
12,890.0	90.00	179.43	10,645.0	-1,633.1	-197.9	1,635.5	0.00	0.00	0.00
12,891.0	90.00	179.43	10,645.0	-1,634.1	-197.9	1,636.5	0.00	0.00	0.00
12,892.0	90.00	179.43	10,645.0	-1,635.1	-197.9	1,637.5	0.00	0.00	0.00
12,893.0	90.00	179.43	10,645.0	-1,636.1	-197.9	1,638.5	0.00	0.00	0.00
12,894.0	90.00	179.43	10,645.0	-1,637.1	-197.8	1,639.5	0.00	0.00	0.00
12,895.0	90.00	179.43	10,645.0	-1,638.1	-197.8	1,640.5	0.00	0.00	0.00
12,896.0	90.00	179.43	10,645.0	-1,639.1	-197.8	1,641.5	0.00	0.00	0.00
12,897.0	90.00	179.43	10,645.0	-1,640.1	-197.8	1,642.5	0.00	0.00	0.00
12,898.0	90.00	179.43	10,645.0	-1,641.1	-197.8	1,643.5	0.00	0.00	0.00
12,899.0	90.00	179.43	10,645.0	-1,642.1	-197.8	1,644.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,900.0	90.00	179.43	10,645.0	-1,643.1	-197.8	1,645.5	0.00	0.00	0.00
12,901.0	90.00	179.43	10,645.0	-1,644.1	-197.8	1,646.5	0.00	0.00	0.00
12,902.0	90.00	179.43	10,645.0	-1,645.1	-197.8	1,647.5	0.00	0.00	0.00
12,903.0	90.00	179.43	10,645.0	-1,646.1	-197.8	1,648.5	0.00	0.00	0.00
12,904.0	90.00	179.43	10,645.0	-1,647.1	-197.7	1,649.5	0.00	0.00	0.00
12,905.0	90.00	179.43	10,645.0	-1,648.1	-197.7	1,650.5	0.00	0.00	0.00
12,906.0	90.00	179.43	10,645.0	-1,649.1	-197.7	1,651.5	0.00	0.00	0.00
12,907.0	90.00	179.43	10,645.0	-1,650.1	-197.7	1,652.5	0.00	0.00	0.00
12,908.0	90.00	179.43	10,645.0	-1,651.1	-197.7	1,653.5	0.00	0.00	0.00
12,909.0	90.00	179.43	10,645.0	-1,652.1	-197.7	1,654.5	0.00	0.00	0.00
12,910.0	90.00	179.43	10,645.0	-1,653.1	-197.7	1,655.5	0.00	0.00	0.00
12,911.0	90.00	179.43	10,645.0	-1,654.1	-197.7	1,656.5	0.00	0.00	0.00
12,912.0	90.00	179.43	10,645.0	-1,655.1	-197.7	1,657.5	0.00	0.00	0.00
12,913.0	90.00	179.43	10,645.0	-1,656.1	-197.7	1,658.5	0.00	0.00	0.00
12,914.0	90.00	179.43	10,645.0	-1,657.1	-197.6	1,659.5	0.00	0.00	0.00
12,915.0	90.00	179.43	10,645.0	-1,658.1	-197.6	1,660.5	0.00	0.00	0.00
12,916.0	90.00	179.43	10,645.0	-1,659.1	-197.6	1,661.5	0.00	0.00	0.00
12,917.0	90.00	179.43	10,645.0	-1,660.1	-197.6	1,662.5	0.00	0.00	0.00
12,918.0	90.00	179.43	10,645.0	-1,661.1	-197.6	1,663.5	0.00	0.00	0.00
12,919.0	90.00	179.43	10,645.0	-1,662.1	-197.6	1,664.5	0.00	0.00	0.00
12,920.0	90.00	179.43	10,645.0	-1,663.1	-197.6	1,665.5	0.00	0.00	0.00
12,921.0	90.00	179.43	10,645.0	-1,664.1	-197.6	1,666.5	0.00	0.00	0.00
12,922.0	90.00	179.43	10,645.0	-1,665.1	-197.6	1,667.5	0.00	0.00	0.00
12,923.0	90.00	179.43	10,645.0	-1,666.1	-197.6	1,668.5	0.00	0.00	0.00
12,924.0	90.00	179.43	10,645.0	-1,667.1	-197.5	1,669.5	0.00	0.00	0.00
12,925.0	90.00	179.43	10,645.0	-1,668.1	-197.5	1,670.5	0.00	0.00	0.00
12,926.0	90.00	179.43	10,645.0	-1,669.1	-197.5	1,671.5	0.00	0.00	0.00
12,927.0	90.00	179.43	10,645.0	-1,670.1	-197.5	1,672.5	0.00	0.00	0.00
12,928.0	90.00	179.43	10,645.0	-1,671.1	-197.5	1,673.5	0.00	0.00	0.00
12,929.0	90.00	179.43	10,645.0	-1,672.1	-197.5	1,674.5	0.00	0.00	0.00
12,930.0	90.00	179.43	10,645.0	-1,673.1	-197.5	1,675.5	0.00	0.00	0.00
12,931.0	90.00	179.43	10,645.0	-1,674.1	-197.5	1,676.5	0.00	0.00	0.00
12,932.0	90.00	179.43	10,645.0	-1,675.1	-197.5	1,677.5	0.00	0.00	0.00
12,933.0	90.00	179.43	10,645.0	-1,676.1	-197.5	1,678.5	0.00	0.00	0.00
12,934.0	90.00	179.43	10,645.0	-1,677.1	-197.4	1,679.5	0.00	0.00	0.00
12,935.0	90.00	179.43	10,645.0	-1,678.1	-197.4	1,680.5	0.00	0.00	0.00
12,936.0	90.00	179.43	10,645.0	-1,679.1	-197.4	1,681.5	0.00	0.00	0.00
12,937.0	90.00	179.43	10,645.0	-1,680.1	-197.4	1,682.5	0.00	0.00	0.00
12,938.0	90.00	179.43	10,645.0	-1,681.1	-197.4	1,683.5	0.00	0.00	0.00
12,939.0	90.00	179.43	10,645.0	-1,682.1	-197.4	1,684.5	0.00	0.00	0.00
12,940.0	90.00	179.43	10,645.0	-1,683.1	-197.4	1,685.5	0.00	0.00	0.00
12,941.0	90.00	179.43	10,645.0	-1,684.1	-197.4	1,686.5	0.00	0.00	0.00
12,942.0	90.00	179.43	10,645.0	-1,685.1	-197.4	1,687.5	0.00	0.00	0.00
12,943.0	90.00	179.43	10,645.0	-1,686.1	-197.4	1,688.5	0.00	0.00	0.00
12,944.0	90.00	179.43	10,645.0	-1,687.1	-197.3	1,689.5	0.00	0.00	0.00
12,945.0	90.00	179.43	10,645.0	-1,688.1	-197.3	1,690.5	0.00	0.00	0.00
12,946.0	90.00	179.43	10,645.0	-1,689.1	-197.3	1,691.5	0.00	0.00	0.00
12,947.0	90.00	179.43	10,645.0	-1,690.1	-197.3	1,692.5	0.00	0.00	0.00
12,948.0	90.00	179.43	10,645.0	-1,691.1	-197.3	1,693.5	0.00	0.00	0.00
12,949.0	90.00	179.43	10,645.0	-1,692.1	-197.3	1,694.5	0.00	0.00	0.00
12,950.0	90.00	179.43	10,645.0	-1,693.1	-197.3	1,695.5	0.00	0.00	0.00
12,951.0	90.00	179.43	10,645.0	-1,694.1	-197.3	1,696.5	0.00	0.00	0.00
12,952.0	90.00	179.43	10,645.0	-1,695.1	-197.3	1,697.5	0.00	0.00	0.00
12,953.0	90.00	179.43	10,645.0	-1,696.1	-197.3	1,698.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,954.0	90.00	179.43	10,645.0	-1,697.1	-197.2	1,699.5	0.00	0.00	0.00
12,955.0	90.00	179.43	10,645.0	-1,698.1	-197.2	1,700.5	0.00	0.00	0.00
12,956.0	90.00	179.43	10,645.0	-1,699.1	-197.2	1,701.5	0.00	0.00	0.00
12,957.0	90.00	179.43	10,645.0	-1,700.1	-197.2	1,702.5	0.00	0.00	0.00
12,958.0	90.00	179.43	10,645.0	-1,701.1	-197.2	1,703.5	0.00	0.00	0.00
12,959.0	90.00	179.43	10,645.0	-1,702.1	-197.2	1,704.5	0.00	0.00	0.00
12,960.0	90.00	179.43	10,645.0	-1,703.1	-197.2	1,705.5	0.00	0.00	0.00
12,961.0	90.00	179.43	10,645.0	-1,704.1	-197.2	1,706.5	0.00	0.00	0.00
12,962.0	90.00	179.43	10,645.0	-1,705.1	-197.2	1,707.5	0.00	0.00	0.00
12,963.0	90.00	179.43	10,645.0	-1,706.1	-197.2	1,708.5	0.00	0.00	0.00
12,964.0	90.00	179.43	10,645.0	-1,707.1	-197.1	1,709.5	0.00	0.00	0.00
12,965.0	90.00	179.43	10,645.0	-1,708.1	-197.1	1,710.5	0.00	0.00	0.00
12,966.0	90.00	179.43	10,645.0	-1,709.1	-197.1	1,711.5	0.00	0.00	0.00
12,967.0	90.00	179.43	10,645.0	-1,710.1	-197.1	1,712.5	0.00	0.00	0.00
12,968.0	90.00	179.43	10,645.0	-1,711.1	-197.1	1,713.5	0.00	0.00	0.00
12,969.0	90.00	179.43	10,645.0	-1,712.1	-197.1	1,714.5	0.00	0.00	0.00
12,970.0	90.00	179.43	10,645.0	-1,713.1	-197.1	1,715.5	0.00	0.00	0.00
12,971.0	90.00	179.43	10,645.0	-1,714.1	-197.1	1,716.5	0.00	0.00	0.00
12,972.0	90.00	179.43	10,645.0	-1,715.1	-197.1	1,717.5	0.00	0.00	0.00
12,973.0	90.00	179.43	10,645.0	-1,716.1	-197.1	1,718.5	0.00	0.00	0.00
12,974.0	90.00	179.43	10,645.0	-1,717.1	-197.0	1,719.5	0.00	0.00	0.00
12,975.0	90.00	179.43	10,645.0	-1,718.1	-197.0	1,720.5	0.00	0.00	0.00
12,976.0	90.00	179.43	10,645.0	-1,719.1	-197.0	1,721.5	0.00	0.00	0.00
12,977.0	90.00	179.43	10,645.0	-1,720.1	-197.0	1,722.5	0.00	0.00	0.00
12,978.0	90.00	179.43	10,645.0	-1,721.1	-197.0	1,723.5	0.00	0.00	0.00
12,979.0	90.00	179.43	10,645.0	-1,722.1	-197.0	1,724.5	0.00	0.00	0.00
12,980.0	90.00	179.43	10,645.0	-1,723.1	-197.0	1,725.5	0.00	0.00	0.00
12,981.0	90.00	179.43	10,645.0	-1,724.1	-197.0	1,726.5	0.00	0.00	0.00
12,982.0	90.00	179.43	10,645.0	-1,725.1	-197.0	1,727.5	0.00	0.00	0.00
12,983.0	90.00	179.43	10,645.0	-1,726.1	-197.0	1,728.5	0.00	0.00	0.00
12,984.0	90.00	179.43	10,645.0	-1,727.1	-196.9	1,729.5	0.00	0.00	0.00
12,985.0	90.00	179.43	10,645.0	-1,728.1	-196.9	1,730.5	0.00	0.00	0.00
12,986.0	90.00	179.43	10,645.0	-1,729.1	-196.9	1,731.5	0.00	0.00	0.00
12,987.0	90.00	179.43	10,645.0	-1,730.1	-196.9	1,732.5	0.00	0.00	0.00
12,988.0	90.00	179.43	10,645.0	-1,731.1	-196.9	1,733.5	0.00	0.00	0.00
12,989.0	90.00	179.43	10,645.0	-1,732.1	-196.9	1,734.5	0.00	0.00	0.00
12,990.0	90.00	179.43	10,645.0	-1,733.1	-196.9	1,735.5	0.00	0.00	0.00
12,991.0	90.00	179.43	10,645.0	-1,734.1	-196.9	1,736.5	0.00	0.00	0.00
12,992.0	90.00	179.43	10,645.0	-1,735.1	-196.9	1,737.5	0.00	0.00	0.00
12,993.0	90.00	179.43	10,645.0	-1,736.1	-196.9	1,738.5	0.00	0.00	0.00
12,994.0	90.00	179.43	10,645.0	-1,737.1	-196.8	1,739.5	0.00	0.00	0.00
12,995.0	90.00	179.43	10,645.0	-1,738.1	-196.8	1,740.5	0.00	0.00	0.00
12,996.0	90.00	179.43	10,645.0	-1,739.1	-196.8	1,741.5	0.00	0.00	0.00
12,997.0	90.00	179.43	10,645.0	-1,740.1	-196.8	1,742.5	0.00	0.00	0.00
12,998.0	90.00	179.43	10,645.0	-1,741.1	-196.8	1,743.5	0.00	0.00	0.00
12,999.0	90.00	179.43	10,645.0	-1,742.1	-196.8	1,744.5	0.00	0.00	0.00
13,000.0	90.00	179.43	10,645.0	-1,743.1	-196.8	1,745.5	0.00	0.00	0.00
13,001.0	90.00	179.43	10,645.0	-1,744.1	-196.8	1,746.5	0.00	0.00	0.00
13,002.0	90.00	179.43	10,645.0	-1,745.1	-196.8	1,747.5	0.00	0.00	0.00
13,003.0	90.00	179.43	10,645.0	-1,746.1	-196.8	1,748.5	0.00	0.00	0.00
13,004.0	90.00	179.43	10,645.0	-1,747.1	-196.7	1,749.5	0.00	0.00	0.00
13,005.0	90.00	179.43	10,645.0	-1,748.1	-196.7	1,750.5	0.00	0.00	0.00
13,006.0	90.00	179.43	10,645.0	-1,749.1	-196.7	1,751.5	0.00	0.00	0.00
13,007.0	90.00	179.43	10,645.0	-1,750.1	-196.7	1,752.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,008.0	90.00	179.43	10,645.0	-1,751.1	-196.7	1,753.5	0.00	0.00	0.00
13,009.0	90.00	179.43	10,645.0	-1,752.1	-196.7	1,754.5	0.00	0.00	0.00
13,010.0	90.00	179.43	10,645.0	-1,753.1	-196.7	1,755.5	0.00	0.00	0.00
13,011.0	90.00	179.43	10,645.0	-1,754.1	-196.7	1,756.5	0.00	0.00	0.00
13,012.0	90.00	179.43	10,645.0	-1,755.1	-196.7	1,757.5	0.00	0.00	0.00
13,013.0	90.00	179.43	10,645.0	-1,756.1	-196.7	1,758.5	0.00	0.00	0.00
13,014.0	90.00	179.43	10,645.0	-1,757.1	-196.6	1,759.5	0.00	0.00	0.00
13,015.0	90.00	179.43	10,645.0	-1,758.1	-196.6	1,760.5	0.00	0.00	0.00
13,016.0	90.00	179.43	10,645.0	-1,759.1	-196.6	1,761.5	0.00	0.00	0.00
13,017.0	90.00	179.43	10,645.0	-1,760.1	-196.6	1,762.5	0.00	0.00	0.00
13,018.0	90.00	179.43	10,645.0	-1,761.1	-196.6	1,763.5	0.00	0.00	0.00
13,019.0	90.00	179.43	10,645.0	-1,762.1	-196.6	1,764.5	0.00	0.00	0.00
13,020.0	90.00	179.43	10,645.0	-1,763.1	-196.6	1,765.5	0.00	0.00	0.00
13,021.0	90.00	179.43	10,645.0	-1,764.1	-196.6	1,766.5	0.00	0.00	0.00
13,022.0	90.00	179.43	10,645.0	-1,765.1	-196.6	1,767.5	0.00	0.00	0.00
13,023.0	90.00	179.43	10,645.0	-1,766.1	-196.6	1,768.5	0.00	0.00	0.00
13,024.0	90.00	179.43	10,645.0	-1,767.1	-196.5	1,769.5	0.00	0.00	0.00
13,025.0	90.00	179.43	10,645.0	-1,768.1	-196.5	1,770.5	0.00	0.00	0.00
13,026.0	90.00	179.43	10,645.0	-1,769.1	-196.5	1,771.5	0.00	0.00	0.00
13,027.0	90.00	179.43	10,645.0	-1,770.1	-196.5	1,772.5	0.00	0.00	0.00
13,028.0	90.00	179.43	10,645.0	-1,771.1	-196.5	1,773.5	0.00	0.00	0.00
13,029.0	90.00	179.43	10,645.0	-1,772.1	-196.5	1,774.5	0.00	0.00	0.00
13,030.0	90.00	179.43	10,645.0	-1,773.1	-196.5	1,775.5	0.00	0.00	0.00
13,031.0	90.00	179.43	10,645.0	-1,774.1	-196.5	1,776.5	0.00	0.00	0.00
13,032.0	90.00	179.43	10,645.0	-1,775.1	-196.5	1,777.5	0.00	0.00	0.00
13,033.0	90.00	179.43	10,645.0	-1,776.1	-196.5	1,778.5	0.00	0.00	0.00
13,034.0	90.00	179.43	10,645.0	-1,777.1	-196.4	1,779.5	0.00	0.00	0.00
13,035.0	90.00	179.43	10,645.0	-1,778.1	-196.4	1,780.5	0.00	0.00	0.00
13,036.0	90.00	179.43	10,645.0	-1,779.1	-196.4	1,781.5	0.00	0.00	0.00
13,037.0	90.00	179.43	10,645.0	-1,780.1	-196.4	1,782.5	0.00	0.00	0.00
13,038.0	90.00	179.43	10,645.0	-1,781.1	-196.4	1,783.5	0.00	0.00	0.00
13,039.0	90.00	179.43	10,645.0	-1,782.1	-196.4	1,784.5	0.00	0.00	0.00
13,040.0	90.00	179.43	10,645.0	-1,783.1	-196.4	1,785.5	0.00	0.00	0.00
13,041.0	90.00	179.43	10,645.0	-1,784.1	-196.4	1,786.5	0.00	0.00	0.00
13,042.0	90.00	179.43	10,645.0	-1,785.1	-196.4	1,787.5	0.00	0.00	0.00
13,043.0	90.00	179.43	10,645.0	-1,786.1	-196.4	1,788.5	0.00	0.00	0.00
13,044.0	90.00	179.43	10,645.0	-1,787.1	-196.3	1,789.5	0.00	0.00	0.00
13,045.0	90.00	179.43	10,645.0	-1,788.1	-196.3	1,790.5	0.00	0.00	0.00
13,046.0	90.00	179.43	10,645.0	-1,789.1	-196.3	1,791.5	0.00	0.00	0.00
13,047.0	90.00	179.43	10,645.0	-1,790.1	-196.3	1,792.5	0.00	0.00	0.00
13,048.0	90.00	179.43	10,645.0	-1,791.1	-196.3	1,793.5	0.00	0.00	0.00
13,049.0	90.00	179.43	10,645.0	-1,792.1	-196.3	1,794.5	0.00	0.00	0.00
13,050.0	90.00	179.43	10,645.0	-1,793.1	-196.3	1,795.5	0.00	0.00	0.00
13,051.0	90.00	179.43	10,645.0	-1,794.1	-196.3	1,796.5	0.00	0.00	0.00
13,052.0	90.00	179.43	10,645.0	-1,795.1	-196.3	1,797.5	0.00	0.00	0.00
13,053.0	90.00	179.43	10,645.0	-1,796.1	-196.3	1,798.5	0.00	0.00	0.00
13,054.0	90.00	179.43	10,645.0	-1,797.1	-196.2	1,799.5	0.00	0.00	0.00
13,055.0	90.00	179.43	10,645.0	-1,798.1	-196.2	1,800.5	0.00	0.00	0.00
13,056.0	90.00	179.43	10,645.0	-1,799.1	-196.2	1,801.5	0.00	0.00	0.00
13,057.0	90.00	179.43	10,645.0	-1,800.1	-196.2	1,802.5	0.00	0.00	0.00
13,058.0	90.00	179.43	10,645.0	-1,801.1	-196.2	1,803.5	0.00	0.00	0.00
13,059.0	90.00	179.43	10,645.0	-1,802.1	-196.2	1,804.5	0.00	0.00	0.00
13,060.0	90.00	179.43	10,645.0	-1,803.1	-196.2	1,805.5	0.00	0.00	0.00
13,061.0	90.00	179.43	10,645.0	-1,804.1	-196.2	1,806.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,062.0	90.00	179.43	10,645.0	-1,805.1	-196.2	1,807.5	0.00	0.00	0.00	
13,063.0	90.00	179.43	10,645.0	-1,806.1	-196.2	1,808.5	0.00	0.00	0.00	
13,064.0	90.00	179.43	10,645.0	-1,807.1	-196.1	1,809.5	0.00	0.00	0.00	
13,065.0	90.00	179.43	10,645.0	-1,808.1	-196.1	1,810.5	0.00	0.00	0.00	
13,066.0	90.00	179.43	10,645.0	-1,809.1	-196.1	1,811.5	0.00	0.00	0.00	
13,067.0	90.00	179.43	10,645.0	-1,810.1	-196.1	1,812.5	0.00	0.00	0.00	
13,068.0	90.00	179.43	10,645.0	-1,811.1	-196.1	1,813.5	0.00	0.00	0.00	
13,069.0	90.00	179.43	10,645.0	-1,812.1	-196.1	1,814.5	0.00	0.00	0.00	
13,070.0	90.00	179.43	10,645.0	-1,813.1	-196.1	1,815.5	0.00	0.00	0.00	
13,071.0	90.00	179.43	10,645.0	-1,814.1	-196.1	1,816.5	0.00	0.00	0.00	
13,072.0	90.00	179.43	10,645.0	-1,815.1	-196.1	1,817.5	0.00	0.00	0.00	
13,073.0	90.00	179.43	10,645.0	-1,816.1	-196.1	1,818.5	0.00	0.00	0.00	
13,074.0	90.00	179.43	10,645.0	-1,817.1	-196.0	1,819.5	0.00	0.00	0.00	
13,075.0	90.00	179.43	10,645.0	-1,818.1	-196.0	1,820.5	0.00	0.00	0.00	
13,076.0	90.00	179.43	10,645.0	-1,819.1	-196.0	1,821.5	0.00	0.00	0.00	
13,077.0	90.00	179.43	10,645.0	-1,820.1	-196.0	1,822.5	0.00	0.00	0.00	
13,078.0	90.00	179.43	10,645.0	-1,821.1	-196.0	1,823.5	0.00	0.00	0.00	
13,078.9	90.00	179.43	10,645.0	-1,822.0	-196.0	1,824.3	0.00	0.00	0.00	
13,079.0	90.00	179.43	10,645.0	-1,822.1	-196.0	1,824.5	0.00	0.00	0.00	
13,080.0	90.00	179.43	10,645.0	-1,823.1	-196.0	1,825.5	0.00	0.00	0.00	
13,081.0	90.00	179.43	10,645.0	-1,824.1	-196.0	1,826.5	0.00	0.00	0.00	
13,082.0	90.00	179.43	10,645.0	-1,825.1	-196.0	1,827.5	0.00	0.00	0.00	
13,083.0	90.00	179.43	10,645.0	-1,826.1	-196.0	1,828.5	0.00	0.00	0.00	
13,084.0	90.00	179.43	10,645.0	-1,827.1	-195.9	1,829.5	0.00	0.00	0.00	
13,085.0	90.00	179.43	10,645.0	-1,828.1	-195.9	1,830.5	0.00	0.00	0.00	
13,086.0	90.00	179.43	10,645.0	-1,829.1	-195.9	1,831.5	0.00	0.00	0.00	
13,087.0	90.00	179.43	10,645.0	-1,830.1	-195.9	1,832.5	0.00	0.00	0.00	
13,088.0	90.00	179.43	10,645.0	-1,831.1	-195.9	1,833.5	0.00	0.00	0.00	
13,089.0	90.00	179.43	10,645.0	-1,832.1	-195.9	1,834.5	0.00	0.00	0.00	
13,090.0	90.00	179.43	10,645.0	-1,833.1	-195.9	1,835.5	0.00	0.00	0.00	
13,091.0	90.00	179.43	10,645.0	-1,834.1	-195.9	1,836.5	0.00	0.00	0.00	
13,092.0	90.00	179.43	10,645.0	-1,835.1	-195.9	1,837.5	0.00	0.00	0.00	
13,093.0	90.00	179.43	10,645.0	-1,836.1	-195.9	1,838.5	0.00	0.00	0.00	
13,094.0	90.00	179.43	10,645.0	-1,837.1	-195.8	1,839.5	0.00	0.00	0.00	
13,095.0	90.00	179.43	10,645.0	-1,838.1	-195.8	1,840.5	0.00	0.00	0.00	
13,096.0	90.00	179.43	10,645.0	-1,839.1	-195.8	1,841.5	0.00	0.00	0.00	
13,097.0	90.00	179.43	10,645.0	-1,840.1	-195.8	1,842.5	0.00	0.00	0.00	
13,098.0	90.00	179.43	10,645.0	-1,841.1	-195.8	1,843.5	0.00	0.00	0.00	
13,099.0	90.00	179.43	10,645.0	-1,842.1	-195.8	1,844.5	0.00	0.00	0.00	
13,100.0	90.00	179.43	10,645.0	-1,843.1	-195.8	1,845.5	0.01	0.00	0.01	
13,101.0	90.00	179.43	10,645.0	-1,844.1	-195.8	1,846.5	0.00	0.00	0.00	
13,102.0	90.00	179.43	10,645.0	-1,845.1	-195.8	1,847.5	0.00	0.00	0.00	
13,103.0	90.00	179.43	10,645.0	-1,846.1	-195.8	1,848.5	0.00	0.00	0.00	
13,104.0	90.00	179.43	10,645.0	-1,847.1	-195.7	1,849.5	0.00	0.00	0.00	
13,105.0	90.00	179.43	10,645.0	-1,848.1	-195.7	1,850.5	0.00	0.00	0.00	
13,106.0	90.00	179.43	10,645.0	-1,849.1	-195.7	1,851.5	0.00	0.00	0.00	
13,107.0	90.00	179.43	10,645.0	-1,850.1	-195.7	1,852.5	0.00	0.00	0.00	
13,108.0	90.00	179.43	10,645.0	-1,851.1	-195.7	1,853.5	0.00	0.00	0.00	
13,109.0	90.00	179.43	10,645.0	-1,852.1	-195.7	1,854.5	0.00	0.00	0.00	
13,110.0	90.00	179.43	10,645.0	-1,853.1	-195.7	1,855.5	0.00	0.00	0.00	
13,111.0	90.00	179.43	10,645.0	-1,854.1	-195.7	1,856.5	0.00	0.00	0.00	
13,112.0	90.00	179.43	10,645.0	-1,855.1	-195.7	1,857.5	0.00	0.00	0.00	
13,113.0	90.00	179.43	10,645.0	-1,856.1	-195.7	1,858.5	0.00	0.00	0.00	
13,114.0	90.00	179.43	10,645.0	-1,857.1	-195.6	1,859.5	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,115.0	90.00	179.43	10,645.0	-1,858.1	-195.6	1,860.4	0.00	0.00	0.00
13,116.0	90.00	179.43	10,645.0	-1,859.1	-195.6	1,861.4	0.00	0.00	0.00
13,117.0	90.00	179.43	10,645.0	-1,860.1	-195.6	1,862.4	0.00	0.00	0.00
13,118.0	90.00	179.43	10,645.0	-1,861.1	-195.6	1,863.4	0.00	0.00	0.00
13,119.0	90.00	179.43	10,645.0	-1,862.1	-195.6	1,864.4	0.00	0.00	0.00
13,120.0	90.00	179.43	10,645.0	-1,863.1	-195.6	1,865.4	0.00	0.00	0.00
13,121.0	90.00	179.43	10,645.0	-1,864.1	-195.6	1,866.4	0.00	0.00	0.00
13,122.0	90.00	179.43	10,645.0	-1,865.1	-195.6	1,867.4	0.00	0.00	0.00
13,123.0	90.00	179.43	10,645.0	-1,866.1	-195.6	1,868.4	0.00	0.00	0.00
13,124.0	90.00	179.43	10,645.0	-1,867.1	-195.6	1,869.4	0.00	0.00	0.00
13,125.0	90.00	179.43	10,645.0	-1,868.1	-195.5	1,870.4	0.00	0.00	0.00
13,126.0	90.00	179.43	10,645.0	-1,869.1	-195.5	1,871.4	0.00	0.00	0.00
13,127.0	90.00	179.43	10,645.0	-1,870.1	-195.5	1,872.4	0.00	0.00	0.00
13,128.0	90.00	179.43	10,645.0	-1,871.1	-195.5	1,873.4	0.00	0.00	0.00
13,129.0	90.00	179.43	10,645.0	-1,872.1	-195.5	1,874.4	0.00	0.00	0.00
13,130.0	90.00	179.43	10,645.0	-1,873.1	-195.5	1,875.4	0.00	0.00	0.00
13,131.0	90.00	179.43	10,645.0	-1,874.1	-195.5	1,876.4	0.00	0.00	0.00
13,132.0	90.00	179.43	10,645.0	-1,875.1	-195.5	1,877.4	0.00	0.00	0.00
13,133.0	90.00	179.43	10,645.0	-1,876.1	-195.5	1,878.4	0.00	0.00	0.00
13,134.0	90.00	179.43	10,645.0	-1,877.1	-195.5	1,879.4	0.00	0.00	0.00
13,135.0	90.00	179.43	10,645.0	-1,878.1	-195.4	1,880.4	0.00	0.00	0.00
13,136.0	90.00	179.43	10,645.0	-1,879.1	-195.4	1,881.4	0.00	0.00	0.00
13,137.0	90.00	179.43	10,645.0	-1,880.1	-195.4	1,882.4	0.00	0.00	0.00
13,138.0	90.00	179.43	10,645.0	-1,881.1	-195.4	1,883.4	0.00	0.00	0.00
13,139.0	90.00	179.43	10,645.0	-1,882.1	-195.4	1,884.4	0.00	0.00	0.00
13,140.0	90.00	179.43	10,645.0	-1,883.1	-195.4	1,885.4	0.00	0.00	0.00
13,141.0	90.00	179.43	10,645.0	-1,884.1	-195.4	1,886.4	0.00	0.00	0.00
13,142.0	90.00	179.43	10,645.0	-1,885.1	-195.4	1,887.4	0.00	0.00	0.00
13,143.0	90.00	179.43	10,645.0	-1,886.1	-195.4	1,888.4	0.00	0.00	0.00
13,144.0	90.00	179.43	10,645.0	-1,887.1	-195.4	1,889.4	0.00	0.00	0.00
13,145.0	90.00	179.43	10,645.0	-1,888.1	-195.3	1,890.4	0.00	0.00	0.00
13,146.0	90.00	179.43	10,645.0	-1,889.1	-195.3	1,891.4	0.00	0.00	0.00
13,147.0	90.00	179.43	10,645.0	-1,890.1	-195.3	1,892.4	0.00	0.00	0.00
13,148.0	90.00	179.43	10,645.0	-1,891.1	-195.3	1,893.4	0.00	0.00	0.00
13,149.0	90.00	179.43	10,645.0	-1,892.1	-195.3	1,894.4	0.00	0.00	0.00
13,150.0	90.00	179.43	10,645.0	-1,893.1	-195.3	1,895.4	0.00	0.00	0.00
13,151.0	90.00	179.43	10,645.0	-1,894.1	-195.3	1,896.4	0.00	0.00	0.00
13,152.0	90.00	179.43	10,645.0	-1,895.1	-195.3	1,897.4	0.00	0.00	0.00
13,153.0	90.00	179.43	10,645.0	-1,896.1	-195.3	1,898.4	0.00	0.00	0.00
13,154.0	90.00	179.43	10,645.0	-1,897.1	-195.3	1,899.4	0.00	0.00	0.00
13,155.0	90.00	179.43	10,645.0	-1,898.1	-195.2	1,900.4	0.00	0.00	0.00
13,156.0	90.00	179.43	10,645.0	-1,899.1	-195.2	1,901.4	0.00	0.00	0.00
13,157.0	90.00	179.43	10,645.0	-1,900.1	-195.2	1,902.4	0.00	0.00	0.00
13,158.0	90.00	179.43	10,645.0	-1,901.1	-195.2	1,903.4	0.00	0.00	0.00
13,159.0	90.00	179.43	10,645.0	-1,902.1	-195.2	1,904.4	0.00	0.00	0.00
13,160.0	90.00	179.43	10,645.0	-1,903.1	-195.2	1,905.4	0.00	0.00	0.00
13,161.0	90.00	179.43	10,645.0	-1,904.1	-195.2	1,906.4	0.00	0.00	0.00
13,162.0	90.00	179.43	10,645.0	-1,905.1	-195.2	1,907.4	0.00	0.00	0.00
13,163.0	90.00	179.43	10,645.0	-1,906.1	-195.2	1,908.4	0.00	0.00	0.00
13,164.0	90.00	179.43	10,645.0	-1,907.1	-195.2	1,909.4	0.00	0.00	0.00
13,165.0	90.00	179.43	10,645.0	-1,908.1	-195.1	1,910.4	0.00	0.00	0.00
13,166.0	90.00	179.43	10,645.0	-1,909.1	-195.1	1,911.4	0.00	0.00	0.00
13,167.0	90.00	179.43	10,645.0	-1,910.1	-195.1	1,912.4	0.00	0.00	0.00
13,168.0	90.00	179.43	10,645.0	-1,911.1	-195.1	1,913.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,169.0	90.00	179.43	10,645.0	-1,912.1	-195.1	1,914.4	0.00	0.00	0.00
13,170.0	90.00	179.43	10,645.0	-1,913.1	-195.1	1,915.4	0.00	0.00	0.00
13,171.0	90.00	179.43	10,645.0	-1,914.1	-195.1	1,916.4	0.00	0.00	0.00
13,172.0	90.00	179.43	10,645.0	-1,915.1	-195.1	1,917.4	0.00	0.00	0.00
13,173.0	90.00	179.43	10,645.0	-1,916.1	-195.1	1,918.4	0.00	0.00	0.00
13,174.0	90.00	179.43	10,645.0	-1,917.1	-195.1	1,919.4	0.00	0.00	0.00
13,175.0	90.00	179.43	10,645.0	-1,918.1	-195.0	1,920.4	0.00	0.00	0.00
13,176.0	90.00	179.43	10,645.0	-1,919.1	-195.0	1,921.4	0.00	0.00	0.00
13,177.0	90.00	179.43	10,645.0	-1,920.1	-195.0	1,922.4	0.00	0.00	0.00
13,178.0	90.00	179.43	10,645.0	-1,921.1	-195.0	1,923.4	0.00	0.00	0.00
13,179.0	90.00	179.43	10,645.0	-1,922.1	-195.0	1,924.4	0.00	0.00	0.00
13,180.0	90.00	179.43	10,645.0	-1,923.1	-195.0	1,925.4	0.00	0.00	0.00
13,181.0	90.00	179.43	10,645.0	-1,924.1	-195.0	1,926.4	0.00	0.00	0.00
13,182.0	90.00	179.43	10,645.0	-1,925.1	-195.0	1,927.4	0.00	0.00	0.00
13,183.0	90.00	179.43	10,645.0	-1,926.1	-195.0	1,928.4	0.00	0.00	0.00
13,184.0	90.00	179.43	10,645.0	-1,927.1	-195.0	1,929.4	0.00	0.00	0.00
13,185.0	90.00	179.43	10,645.0	-1,928.1	-194.9	1,930.4	0.00	0.00	0.00
13,186.0	90.00	179.43	10,645.0	-1,929.1	-194.9	1,931.4	0.00	0.00	0.00
13,187.0	90.00	179.43	10,645.0	-1,930.1	-194.9	1,932.4	0.00	0.00	0.00
13,188.0	90.00	179.43	10,645.0	-1,931.1	-194.9	1,933.4	0.00	0.00	0.00
13,189.0	90.00	179.43	10,645.0	-1,932.1	-194.9	1,934.4	0.00	0.00	0.00
13,190.0	90.00	179.43	10,645.0	-1,933.1	-194.9	1,935.4	0.00	0.00	0.00
13,191.0	90.00	179.43	10,645.0	-1,934.1	-194.9	1,936.4	0.00	0.00	0.00
13,192.0	90.00	179.43	10,645.0	-1,935.1	-194.9	1,937.4	0.00	0.00	0.00
13,193.0	90.00	179.43	10,645.0	-1,936.1	-194.9	1,938.4	0.00	0.00	0.00
13,194.0	90.00	179.43	10,645.0	-1,937.1	-194.9	1,939.4	0.00	0.00	0.00
13,195.0	90.00	179.43	10,645.0	-1,938.1	-194.8	1,940.4	0.00	0.00	0.00
13,196.0	90.00	179.43	10,645.0	-1,939.1	-194.8	1,941.4	0.00	0.00	0.00
13,197.0	90.00	179.43	10,645.0	-1,940.1	-194.8	1,942.4	0.00	0.00	0.00
13,198.0	90.00	179.43	10,645.0	-1,941.1	-194.8	1,943.4	0.00	0.00	0.00
13,199.0	90.00	179.43	10,645.0	-1,942.1	-194.8	1,944.4	0.00	0.00	0.00
13,200.0	90.00	179.43	10,645.0	-1,943.1	-194.8	1,945.4	0.05	0.00	0.05
13,201.0	90.00	179.43	10,645.0	-1,944.1	-194.8	1,946.4	0.00	0.00	0.00
13,202.0	90.00	179.43	10,645.0	-1,945.1	-194.8	1,947.4	0.00	0.00	0.00
13,203.0	90.00	179.43	10,645.0	-1,946.1	-194.8	1,948.4	0.00	0.00	0.00
13,204.0	90.00	179.43	10,645.0	-1,947.1	-194.8	1,949.4	0.00	0.00	0.00
13,205.0	90.00	179.43	10,645.0	-1,948.1	-194.7	1,950.4	0.00	0.00	0.00
13,206.0	90.00	179.43	10,645.0	-1,949.1	-194.7	1,951.4	0.00	0.00	0.00
13,207.0	90.00	179.43	10,645.0	-1,950.1	-194.7	1,952.4	0.00	0.00	0.00
13,208.0	90.00	179.43	10,645.0	-1,951.1	-194.7	1,953.4	0.00	0.00	0.00
13,209.0	90.00	179.43	10,645.0	-1,952.1	-194.7	1,954.4	0.00	0.00	0.00
13,210.0	90.00	179.43	10,645.0	-1,953.1	-194.7	1,955.4	0.00	0.00	0.00
13,211.0	90.00	179.43	10,645.0	-1,954.1	-194.7	1,956.4	0.00	0.00	0.00
13,212.0	90.00	179.43	10,645.0	-1,955.1	-194.7	1,957.4	0.00	0.00	0.00
13,213.0	90.00	179.43	10,645.0	-1,956.1	-194.7	1,958.4	0.00	0.00	0.00
13,214.0	90.00	179.43	10,645.0	-1,957.1	-194.7	1,959.4	0.00	0.00	0.00
13,215.0	90.00	179.43	10,645.0	-1,958.1	-194.6	1,960.4	0.00	0.00	0.00
13,216.0	90.00	179.43	10,645.0	-1,959.1	-194.6	1,961.4	0.00	0.00	0.00
13,217.0	90.00	179.43	10,645.0	-1,960.1	-194.6	1,962.4	0.00	0.00	0.00
13,218.0	90.00	179.43	10,645.0	-1,961.1	-194.6	1,963.4	0.00	0.00	0.00
13,219.0	90.00	179.43	10,645.0	-1,962.1	-194.6	1,964.4	0.00	0.00	0.00
13,220.0	90.00	179.43	10,645.0	-1,963.1	-194.6	1,965.4	0.00	0.00	0.00
13,221.0	90.00	179.43	10,645.0	-1,964.1	-194.6	1,966.4	0.00	0.00	0.00
13,222.0	90.00	179.43	10,645.0	-1,965.1	-194.6	1,967.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,223.0	90.00	179.43	10,645.0	-1,966.1	-194.6	1,968.4	0.00	0.00	0.00
13,224.0	90.00	179.43	10,645.0	-1,967.1	-194.6	1,969.4	0.00	0.00	0.00
13,225.0	90.00	179.43	10,645.0	-1,968.1	-194.5	1,970.4	0.00	0.00	0.00
13,226.0	90.00	179.43	10,645.0	-1,969.1	-194.5	1,971.4	0.00	0.00	0.00
13,227.0	90.00	179.43	10,645.0	-1,970.1	-194.5	1,972.4	0.00	0.00	0.00
13,228.0	90.00	179.43	10,645.0	-1,971.1	-194.5	1,973.4	0.00	0.00	0.00
13,229.0	90.00	179.43	10,645.0	-1,972.1	-194.5	1,974.4	0.00	0.00	0.00
13,230.0	90.00	179.43	10,645.0	-1,973.1	-194.5	1,975.4	0.00	0.00	0.00
13,231.0	90.00	179.43	10,645.0	-1,974.1	-194.5	1,976.4	0.00	0.00	0.00
13,232.0	90.00	179.43	10,645.0	-1,975.1	-194.5	1,977.4	0.00	0.00	0.00
13,233.0	90.00	179.43	10,645.0	-1,976.1	-194.5	1,978.4	0.00	0.00	0.00
13,234.0	90.00	179.43	10,645.0	-1,977.1	-194.5	1,979.4	0.00	0.00	0.00
13,235.0	90.00	179.43	10,645.0	-1,978.1	-194.4	1,980.4	0.00	0.00	0.00
13,236.0	90.00	179.43	10,645.0	-1,979.1	-194.4	1,981.4	0.00	0.00	0.00
13,237.0	90.00	179.43	10,645.0	-1,980.1	-194.4	1,982.4	0.00	0.00	0.00
13,238.0	90.00	179.43	10,645.0	-1,981.1	-194.4	1,983.4	0.00	0.00	0.00
13,239.0	90.00	179.43	10,645.0	-1,982.1	-194.4	1,984.4	0.00	0.00	0.00
13,240.0	90.00	179.43	10,645.0	-1,983.1	-194.4	1,985.4	0.00	0.00	0.00
13,241.0	90.00	179.43	10,645.0	-1,984.1	-194.4	1,986.4	0.00	0.00	0.00
13,242.0	90.00	179.43	10,645.0	-1,985.1	-194.4	1,987.4	0.00	0.00	0.00
13,243.0	90.00	179.43	10,645.0	-1,986.1	-194.4	1,988.4	0.00	0.00	0.00
13,244.0	90.00	179.43	10,645.0	-1,987.1	-194.4	1,989.4	0.00	0.00	0.00
13,245.0	90.00	179.43	10,645.0	-1,988.1	-194.3	1,990.4	0.00	0.00	0.00
13,246.0	90.00	179.43	10,645.0	-1,989.1	-194.3	1,991.4	0.00	0.00	0.00
13,247.0	90.00	179.43	10,645.0	-1,990.1	-194.3	1,992.4	0.00	0.00	0.00
13,248.0	90.00	179.43	10,645.0	-1,991.1	-194.3	1,993.4	0.00	0.00	0.00
13,249.0	90.00	179.43	10,645.0	-1,992.1	-194.3	1,994.4	0.00	0.00	0.00
13,250.0	90.00	179.43	10,645.0	-1,993.1	-194.3	1,995.4	0.00	0.00	0.00
13,251.0	90.00	179.43	10,645.0	-1,994.1	-194.3	1,996.4	0.00	0.00	0.00
13,252.0	90.00	179.43	10,645.0	-1,995.1	-194.3	1,997.4	0.00	0.00	0.00
13,253.0	90.00	179.43	10,645.0	-1,996.1	-194.3	1,998.4	0.00	0.00	0.00
13,254.0	90.00	179.43	10,645.0	-1,997.1	-194.3	1,999.4	0.00	0.00	0.00
13,255.0	90.00	179.43	10,645.0	-1,998.1	-194.2	2,000.4	0.00	0.00	0.00
13,256.0	90.00	179.43	10,645.0	-1,999.1	-194.2	2,001.4	0.00	0.00	0.00
13,257.0	90.00	179.43	10,645.0	-2,000.1	-194.2	2,002.4	0.00	0.00	0.00
13,258.0	90.00	179.43	10,645.0	-2,001.1	-194.2	2,003.4	0.00	0.00	0.00
13,259.0	90.00	179.43	10,645.0	-2,002.1	-194.2	2,004.4	0.00	0.00	0.00
13,260.0	90.00	179.43	10,645.0	-2,003.1	-194.2	2,005.4	0.00	0.00	0.00
13,261.0	90.00	179.43	10,645.0	-2,004.1	-194.2	2,006.4	0.00	0.00	0.00
13,262.0	90.00	179.43	10,645.0	-2,005.1	-194.2	2,007.4	0.00	0.00	0.00
13,263.0	90.00	179.43	10,645.0	-2,006.1	-194.2	2,008.4	0.00	0.00	0.00
13,264.0	90.00	179.43	10,645.0	-2,007.1	-194.2	2,009.4	0.00	0.00	0.00
13,265.0	90.00	179.43	10,645.0	-2,008.1	-194.1	2,010.4	0.00	0.00	0.00
13,266.0	90.00	179.43	10,645.0	-2,009.1	-194.1	2,011.4	0.00	0.00	0.00
13,267.0	90.00	179.43	10,645.0	-2,010.1	-194.1	2,012.4	0.00	0.00	0.00
13,268.0	90.00	179.43	10,645.0	-2,011.1	-194.1	2,013.4	0.00	0.00	0.00
13,269.0	90.00	179.43	10,645.0	-2,012.1	-194.1	2,014.4	0.00	0.00	0.00
13,270.0	90.00	179.43	10,645.0	-2,013.1	-194.1	2,015.4	0.00	0.00	0.00
13,271.0	90.00	179.43	10,645.0	-2,014.1	-194.1	2,016.4	0.00	0.00	0.00
13,272.0	90.00	179.43	10,645.0	-2,015.1	-194.1	2,017.4	0.00	0.00	0.00
13,273.0	90.00	179.43	10,645.0	-2,016.1	-194.1	2,018.4	0.00	0.00	0.00
13,274.0	90.00	179.43	10,645.0	-2,017.1	-194.1	2,019.4	0.00	0.00	0.00
13,275.0	90.00	179.43	10,645.0	-2,018.1	-194.0	2,020.4	0.00	0.00	0.00
13,276.0	90.00	179.43	10,645.0	-2,019.1	-194.0	2,021.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,277.0	90.00	179.43	10,645.0	-2,020.1	-194.0	2,022.4	0.00	0.00	0.00	
13,278.0	90.00	179.43	10,645.0	-2,021.1	-194.0	2,023.4	0.00	0.00	0.00	
13,279.0	90.00	179.43	10,645.0	-2,022.1	-194.0	2,024.4	0.00	0.00	0.00	
13,280.0	90.00	179.43	10,645.0	-2,023.1	-194.0	2,025.4	0.00	0.00	0.00	
13,281.0	90.00	179.43	10,645.0	-2,024.1	-194.0	2,026.4	0.00	0.00	0.00	
13,282.0	90.00	179.43	10,645.0	-2,025.1	-194.0	2,027.4	0.00	0.00	0.00	
13,283.0	90.00	179.43	10,645.0	-2,026.1	-194.0	2,028.4	0.00	0.00	0.00	
13,284.0	90.00	179.43	10,645.0	-2,027.1	-194.0	2,029.4	0.00	0.00	0.00	
13,285.0	90.00	179.43	10,645.0	-2,028.1	-193.9	2,030.4	0.00	0.00	0.00	
13,286.0	90.00	179.43	10,645.0	-2,029.1	-193.9	2,031.4	0.00	0.00	0.00	
13,287.0	90.00	179.43	10,645.0	-2,030.1	-193.9	2,032.4	0.00	0.00	0.00	
13,288.0	90.00	179.43	10,645.0	-2,031.1	-193.9	2,033.4	0.00	0.00	0.00	
13,289.0	90.00	179.43	10,645.0	-2,032.1	-193.9	2,034.4	0.00	0.00	0.00	
13,290.0	90.00	179.43	10,645.0	-2,033.1	-193.9	2,035.4	0.00	0.00	0.00	
13,291.0	90.00	179.43	10,645.0	-2,034.1	-193.9	2,036.4	0.00	0.00	0.00	
13,292.0	90.00	179.43	10,645.0	-2,035.1	-193.9	2,037.4	0.00	0.00	0.00	
13,293.0	90.00	179.43	10,645.0	-2,036.1	-193.9	2,038.4	0.00	0.00	0.00	
13,294.0	90.00	179.43	10,645.0	-2,037.1	-193.9	2,039.4	0.00	0.00	0.00	
13,295.0	90.00	179.43	10,645.0	-2,038.1	-193.8	2,040.4	0.00	0.00	0.00	
13,296.0	90.00	179.43	10,645.0	-2,039.1	-193.8	2,041.4	0.00	0.00	0.00	
13,297.0	90.00	179.43	10,645.0	-2,040.1	-193.8	2,042.4	0.00	0.00	0.00	
13,298.0	90.00	179.43	10,645.0	-2,041.1	-193.8	2,043.4	0.00	0.00	0.00	
13,299.0	90.00	179.43	10,645.0	-2,042.1	-193.8	2,044.4	0.00	0.00	0.00	
13,300.0	90.00	179.43	10,645.0	-2,043.1	-193.8	2,045.4	0.05	0.00	0.05	
13,301.0	90.00	179.43	10,645.0	-2,044.1	-193.8	2,046.4	0.00	0.00	0.00	
13,302.0	90.00	179.43	10,645.0	-2,045.1	-193.8	2,047.4	0.00	0.00	0.00	
13,303.0	90.00	179.43	10,645.0	-2,046.1	-193.8	2,048.4	0.00	0.00	0.00	
13,304.0	90.00	179.43	10,645.0	-2,047.1	-193.8	2,049.4	0.00	0.00	0.00	
13,305.0	90.00	179.43	10,645.0	-2,048.1	-193.7	2,050.4	0.00	0.00	0.00	
13,306.0	90.00	179.43	10,645.0	-2,049.1	-193.7	2,051.4	0.00	0.00	0.00	
13,307.0	90.00	179.43	10,645.0	-2,050.1	-193.7	2,052.4	0.00	0.00	0.00	
13,308.0	90.00	179.43	10,645.0	-2,051.1	-193.7	2,053.4	0.00	0.00	0.00	
13,309.0	90.00	179.43	10,645.0	-2,052.1	-193.7	2,054.4	0.00	0.00	0.00	
13,310.0	90.00	179.43	10,645.0	-2,053.1	-193.7	2,055.4	0.00	0.00	0.00	
13,311.0	90.00	179.43	10,645.0	-2,054.1	-193.7	2,056.4	0.00	0.00	0.00	
13,312.0	90.00	179.43	10,645.0	-2,055.1	-193.7	2,057.4	0.00	0.00	0.00	
13,313.0	90.00	179.43	10,645.0	-2,056.1	-193.7	2,058.4	0.00	0.00	0.00	
13,314.0	90.00	179.43	10,645.0	-2,057.1	-193.7	2,059.4	0.00	0.00	0.00	
13,315.0	90.00	179.43	10,645.0	-2,058.1	-193.6	2,060.4	0.00	0.00	0.00	
13,316.0	90.00	179.43	10,645.0	-2,059.1	-193.6	2,061.4	0.00	0.00	0.00	
13,317.0	90.00	179.43	10,645.0	-2,060.1	-193.6	2,062.4	0.00	0.00	0.00	
13,318.0	90.00	179.43	10,645.0	-2,061.1	-193.6	2,063.4	0.00	0.00	0.00	
13,319.0	90.00	179.43	10,645.0	-2,062.1	-193.6	2,064.4	0.00	0.00	0.00	
13,320.0	90.00	179.43	10,645.0	-2,063.1	-193.6	2,065.4	0.00	0.00	0.00	
13,321.0	90.00	179.43	10,645.0	-2,064.1	-193.6	2,066.4	0.00	0.00	0.00	
13,322.0	90.00	179.43	10,645.0	-2,065.1	-193.6	2,067.4	0.00	0.00	0.00	
13,323.0	90.00	179.43	10,645.0	-2,066.1	-193.6	2,068.4	0.00	0.00	0.00	
13,324.0	90.00	179.43	10,645.0	-2,067.1	-193.6	2,069.4	0.00	0.00	0.00	
13,325.0	90.00	179.43	10,645.0	-2,068.1	-193.5	2,070.4	0.00	0.00	0.00	
13,326.0	90.00	179.43	10,645.0	-2,069.1	-193.5	2,071.4	0.00	0.00	0.00	
13,327.0	90.00	179.43	10,645.0	-2,070.1	-193.5	2,072.4	0.00	0.00	0.00	
13,328.0	90.00	179.43	10,645.0	-2,071.1	-193.5	2,073.4	0.00	0.00	0.00	
13,329.0	90.00	179.43	10,645.0	-2,072.1	-193.5	2,074.4	0.00	0.00	0.00	
13,330.0	90.00	179.43	10,645.0	-2,073.1	-193.5	2,075.4	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,331.0	90.00	179.43	10,645.0	-2,074.1	-193.5	2,076.4	0.00	0.00	0.00	
13,332.0	90.00	179.43	10,645.0	-2,075.1	-193.5	2,077.4	0.00	0.00	0.00	
13,333.0	90.00	179.43	10,645.0	-2,076.1	-193.5	2,078.4	0.00	0.00	0.00	
13,334.0	90.00	179.43	10,645.0	-2,077.1	-193.5	2,079.4	0.00	0.00	0.00	
13,335.0	90.00	179.43	10,645.0	-2,078.1	-193.5	2,080.4	0.00	0.00	0.00	
13,336.0	90.00	179.43	10,645.0	-2,079.1	-193.4	2,081.4	0.00	0.00	0.00	
13,337.0	90.00	179.43	10,645.0	-2,080.1	-193.4	2,082.4	0.00	0.00	0.00	
13,338.0	90.00	179.43	10,645.0	-2,081.1	-193.4	2,083.4	0.00	0.00	0.00	
13,339.0	90.00	179.43	10,645.0	-2,082.1	-193.4	2,084.4	0.00	0.00	0.00	
13,340.0	90.00	179.43	10,645.0	-2,083.1	-193.4	2,085.4	0.00	0.00	0.00	
13,341.0	90.00	179.43	10,645.0	-2,084.1	-193.4	2,086.4	0.00	0.00	0.00	
13,342.0	90.00	179.43	10,645.0	-2,085.1	-193.4	2,087.4	0.00	0.00	0.00	
13,343.0	90.00	179.43	10,645.0	-2,086.1	-193.4	2,088.4	0.00	0.00	0.00	
13,344.0	90.00	179.43	10,645.0	-2,087.1	-193.4	2,089.4	0.00	0.00	0.00	
13,345.0	90.00	179.43	10,645.0	-2,088.1	-193.4	2,090.4	0.00	0.00	0.00	
13,346.0	90.00	179.43	10,645.0	-2,089.1	-193.3	2,091.4	0.00	0.00	0.00	
13,347.0	90.00	179.43	10,645.0	-2,090.1	-193.3	2,092.4	0.00	0.00	0.00	
13,348.0	90.00	179.43	10,645.0	-2,091.1	-193.3	2,093.4	0.00	0.00	0.00	
13,349.0	90.00	179.43	10,645.0	-2,092.1	-193.3	2,094.4	0.00	0.00	0.00	
13,350.0	90.00	179.43	10,645.0	-2,093.1	-193.3	2,095.4	0.00	0.00	0.00	
13,351.0	90.00	179.43	10,645.0	-2,094.1	-193.3	2,096.4	0.00	0.00	0.00	
13,352.0	90.00	179.43	10,645.0	-2,095.1	-193.3	2,097.4	0.00	0.00	0.00	
13,353.0	90.00	179.43	10,645.0	-2,096.1	-193.3	2,098.4	0.00	0.00	0.00	
13,354.0	90.00	179.43	10,645.0	-2,097.1	-193.3	2,099.4	0.00	0.00	0.00	
13,355.0	90.00	179.43	10,645.0	-2,098.1	-193.3	2,100.4	0.00	0.00	0.00	
13,356.0	90.00	179.43	10,645.0	-2,099.1	-193.2	2,101.4	0.00	0.00	0.00	
13,357.0	90.00	179.43	10,645.0	-2,100.1	-193.2	2,102.4	0.00	0.00	0.00	
13,358.0	90.00	179.43	10,645.0	-2,101.1	-193.2	2,103.4	0.00	0.00	0.00	
13,359.0	90.00	179.43	10,645.0	-2,102.1	-193.2	2,104.4	0.00	0.00	0.00	
13,360.0	90.00	179.43	10,645.0	-2,103.1	-193.2	2,105.4	0.00	0.00	0.00	
13,361.0	90.00	179.43	10,645.0	-2,104.1	-193.2	2,106.4	0.00	0.00	0.00	
13,362.0	90.00	179.43	10,645.0	-2,105.1	-193.2	2,107.4	0.00	0.00	0.00	
13,363.0	90.00	179.43	10,645.0	-2,106.1	-193.2	2,108.4	0.00	0.00	0.00	
13,364.0	90.00	179.43	10,645.0	-2,107.1	-193.2	2,109.4	0.00	0.00	0.00	
13,365.0	90.00	179.43	10,645.0	-2,108.1	-193.2	2,110.4	0.00	0.00	0.00	
13,366.0	90.00	179.43	10,645.0	-2,109.1	-193.1	2,111.4	0.00	0.00	0.00	
13,367.0	90.00	179.43	10,645.0	-2,110.1	-193.1	2,112.4	0.00	0.00	0.00	
13,368.0	90.00	179.43	10,645.0	-2,111.1	-193.1	2,113.4	0.00	0.00	0.00	
13,369.0	90.00	179.43	10,645.0	-2,112.1	-193.1	2,114.4	0.00	0.00	0.00	
13,370.0	90.00	179.43	10,645.0	-2,113.1	-193.1	2,115.4	0.00	0.00	0.00	
13,371.0	90.00	179.43	10,645.0	-2,114.1	-193.1	2,116.4	0.00	0.00	0.00	
13,372.0	90.00	179.43	10,645.0	-2,115.1	-193.1	2,117.4	0.00	0.00	0.00	
13,373.0	90.00	179.43	10,645.0	-2,116.1	-193.1	2,118.4	0.00	0.00	0.00	
13,374.0	90.00	179.43	10,645.0	-2,117.1	-193.1	2,119.4	0.00	0.00	0.00	
13,375.0	90.00	179.43	10,645.0	-2,118.1	-193.1	2,120.4	0.00	0.00	0.00	
13,376.0	90.00	179.43	10,645.0	-2,119.1	-193.0	2,121.4	0.00	0.00	0.00	
13,377.0	90.00	179.43	10,645.0	-2,120.1	-193.0	2,122.4	0.00	0.00	0.00	
13,378.0	90.00	179.43	10,645.0	-2,121.1	-193.0	2,123.4	0.00	0.00	0.00	
13,379.0	90.00	179.43	10,645.0	-2,122.1	-193.0	2,124.4	0.00	0.00	0.00	
13,380.0	90.00	179.43	10,645.0	-2,123.1	-193.0	2,125.4	0.00	0.00	0.00	
13,381.0	90.00	179.43	10,645.0	-2,124.1	-193.0	2,126.4	0.00	0.00	0.00	
13,382.0	90.00	179.43	10,645.0	-2,125.1	-193.0	2,127.4	0.00	0.00	0.00	
13,383.0	90.00	179.43	10,645.0	-2,126.1	-193.0	2,128.4	0.00	0.00	0.00	
13,384.0	90.00	179.43	10,645.0	-2,127.1	-193.0	2,129.4	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,385.0	90.00	179.43	10,645.0	-2,128.1	-193.0	2,130.4	0.00	0.00	0.00
13,386.0	90.00	179.43	10,645.0	-2,129.1	-192.9	2,131.4	0.00	0.00	0.00
13,387.0	90.00	179.43	10,645.0	-2,130.1	-192.9	2,132.4	0.00	0.00	0.00
13,388.0	90.00	179.43	10,645.0	-2,131.1	-192.9	2,133.4	0.00	0.00	0.00
13,389.0	90.00	179.43	10,645.0	-2,132.1	-192.9	2,134.4	0.00	0.00	0.00
13,390.0	90.00	179.43	10,645.0	-2,133.1	-192.9	2,135.4	0.00	0.00	0.00
13,391.0	90.00	179.43	10,645.0	-2,134.1	-192.9	2,136.4	0.00	0.00	0.00
13,392.0	90.00	179.43	10,645.0	-2,135.1	-192.9	2,137.4	0.00	0.00	0.00
13,393.0	90.00	179.43	10,645.0	-2,136.1	-192.9	2,138.4	0.00	0.00	0.00
13,394.0	90.00	179.43	10,645.0	-2,137.1	-192.9	2,139.4	0.00	0.00	0.00
13,395.0	90.00	179.43	10,645.0	-2,138.1	-192.9	2,140.4	0.00	0.00	0.00
13,396.0	90.00	179.43	10,645.0	-2,139.1	-192.8	2,141.4	0.00	0.00	0.00
13,397.0	90.00	179.43	10,645.0	-2,140.1	-192.8	2,142.4	0.00	0.00	0.00
13,398.0	90.00	179.43	10,645.0	-2,141.1	-192.8	2,143.4	0.00	0.00	0.00
13,399.0	90.00	179.43	10,645.0	-2,142.1	-192.8	2,144.4	0.00	0.00	0.00
13,400.0	90.00	179.43	10,645.0	-2,143.1	-192.8	2,145.4	0.05	0.00	0.05
13,401.0	90.00	179.43	10,645.0	-2,144.1	-192.8	2,146.4	0.00	0.00	0.00
13,402.0	90.00	179.43	10,645.0	-2,145.1	-192.8	2,147.4	0.00	0.00	0.00
13,403.0	90.00	179.43	10,645.0	-2,146.1	-192.8	2,148.4	0.00	0.00	0.00
13,404.0	90.00	179.43	10,645.0	-2,147.1	-192.8	2,149.4	0.00	0.00	0.00
13,405.0	90.00	179.43	10,645.0	-2,148.1	-192.8	2,150.4	0.00	0.00	0.00
13,406.0	90.00	179.43	10,645.0	-2,149.1	-192.7	2,151.4	0.00	0.00	0.00
13,407.0	90.00	179.43	10,645.0	-2,150.1	-192.7	2,152.4	0.00	0.00	0.00
13,408.0	90.00	179.43	10,645.0	-2,151.1	-192.7	2,153.4	0.00	0.00	0.00
13,409.0	90.00	179.43	10,645.0	-2,152.1	-192.7	2,154.4	0.00	0.00	0.00
13,410.0	90.00	179.43	10,645.0	-2,153.1	-192.7	2,155.4	0.00	0.00	0.00
13,411.0	90.00	179.43	10,645.0	-2,154.1	-192.7	2,156.4	0.00	0.00	0.00
13,412.0	90.00	179.43	10,645.0	-2,155.1	-192.7	2,157.4	0.00	0.00	0.00
13,413.0	90.00	179.43	10,645.0	-2,156.1	-192.7	2,158.4	0.00	0.00	0.00
13,414.0	90.00	179.43	10,645.0	-2,157.1	-192.7	2,159.4	0.00	0.00	0.00
13,415.0	90.00	179.43	10,645.0	-2,158.1	-192.7	2,160.4	0.00	0.00	0.00
13,416.0	90.00	179.43	10,645.0	-2,159.1	-192.6	2,161.4	0.00	0.00	0.00
13,417.0	90.00	179.43	10,645.0	-2,160.1	-192.6	2,162.4	0.00	0.00	0.00
13,418.0	90.00	179.43	10,645.0	-2,161.1	-192.6	2,163.4	0.00	0.00	0.00
13,419.0	90.00	179.43	10,645.0	-2,162.1	-192.6	2,164.4	0.00	0.00	0.00
13,420.0	90.00	179.43	10,645.0	-2,163.1	-192.6	2,165.4	0.00	0.00	0.00
13,421.0	90.00	179.43	10,645.0	-2,164.1	-192.6	2,166.4	0.00	0.00	0.00
13,422.0	90.00	179.43	10,645.0	-2,165.1	-192.6	2,167.4	0.00	0.00	0.00
13,423.0	90.00	179.43	10,645.0	-2,166.1	-192.6	2,168.4	0.00	0.00	0.00
13,424.0	90.00	179.43	10,645.0	-2,167.1	-192.6	2,169.4	0.00	0.00	0.00
13,425.0	90.00	179.43	10,645.0	-2,168.1	-192.6	2,170.4	0.00	0.00	0.00
13,426.0	90.00	179.43	10,645.0	-2,169.1	-192.5	2,171.4	0.00	0.00	0.00
13,427.0	90.00	179.43	10,645.0	-2,170.1	-192.5	2,172.4	0.00	0.00	0.00
13,428.0	90.00	179.43	10,645.0	-2,171.1	-192.5	2,173.4	0.00	0.00	0.00
13,429.0	90.00	179.43	10,645.0	-2,172.1	-192.5	2,174.4	0.00	0.00	0.00
13,430.0	90.00	179.43	10,645.0	-2,173.1	-192.5	2,175.4	0.00	0.00	0.00
13,431.0	90.00	179.43	10,645.0	-2,174.1	-192.5	2,176.4	0.00	0.00	0.00
13,432.0	90.00	179.43	10,645.0	-2,175.1	-192.5	2,177.4	0.00	0.00	0.00
13,433.0	90.00	179.43	10,645.0	-2,176.1	-192.5	2,178.4	0.00	0.00	0.00
13,434.0	90.00	179.43	10,645.0	-2,177.1	-192.5	2,179.4	0.00	0.00	0.00
13,435.0	90.00	179.43	10,645.0	-2,178.1	-192.5	2,180.4	0.00	0.00	0.00
13,436.0	90.00	179.43	10,645.0	-2,179.1	-192.4	2,181.4	0.00	0.00	0.00
13,437.0	90.00	179.43	10,645.0	-2,180.1	-192.4	2,182.4	0.00	0.00	0.00
13,438.0	90.00	179.43	10,645.0	-2,181.1	-192.4	2,183.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,439.0	90.00	179.43	10,645.0	-2,182.1	-192.4	2,184.4	0.00	0.00	0.00
13,440.0	90.00	179.43	10,645.0	-2,183.1	-192.4	2,185.4	0.00	0.00	0.00
13,441.0	90.00	179.43	10,645.0	-2,184.1	-192.4	2,186.4	0.00	0.00	0.00
13,442.0	90.00	179.43	10,645.0	-2,185.1	-192.4	2,187.4	0.00	0.00	0.00
13,443.0	90.00	179.43	10,645.0	-2,186.1	-192.4	2,188.4	0.00	0.00	0.00
13,444.0	90.00	179.43	10,645.0	-2,187.1	-192.4	2,189.4	0.00	0.00	0.00
13,445.0	90.00	179.43	10,645.0	-2,188.1	-192.4	2,190.4	0.00	0.00	0.00
13,446.0	90.00	179.43	10,645.0	-2,189.1	-192.3	2,191.4	0.00	0.00	0.00
13,447.0	90.00	179.43	10,645.0	-2,190.1	-192.3	2,192.4	0.00	0.00	0.00
13,448.0	90.00	179.43	10,645.0	-2,191.1	-192.3	2,193.4	0.00	0.00	0.00
13,449.0	90.00	179.43	10,645.0	-2,192.1	-192.3	2,194.4	0.00	0.00	0.00
13,450.0	90.00	179.43	10,645.0	-2,193.1	-192.3	2,195.4	0.00	0.00	0.00
13,451.0	90.00	179.43	10,645.0	-2,194.1	-192.3	2,196.4	0.00	0.00	0.00
13,452.0	90.00	179.43	10,645.0	-2,195.1	-192.3	2,197.4	0.00	0.00	0.00
13,453.0	90.00	179.43	10,645.0	-2,196.1	-192.3	2,198.4	0.00	0.00	0.00
13,454.0	90.00	179.43	10,645.0	-2,197.1	-192.3	2,199.4	0.00	0.00	0.00
13,455.0	90.00	179.43	10,645.0	-2,198.1	-192.3	2,200.4	0.00	0.00	0.00
13,456.0	90.00	179.43	10,645.0	-2,199.1	-192.2	2,201.4	0.00	0.00	0.00
13,457.0	90.00	179.43	10,645.0	-2,200.1	-192.2	2,202.4	0.00	0.00	0.00
13,458.0	90.00	179.43	10,645.0	-2,201.1	-192.2	2,203.4	0.00	0.00	0.00
13,459.0	90.00	179.43	10,645.0	-2,202.1	-192.2	2,204.4	0.00	0.00	0.00
13,460.0	90.00	179.43	10,645.0	-2,203.1	-192.2	2,205.4	0.00	0.00	0.00
13,461.0	90.00	179.43	10,645.0	-2,204.1	-192.2	2,206.4	0.00	0.00	0.00
13,462.0	90.00	179.43	10,645.0	-2,205.1	-192.2	2,207.4	0.00	0.00	0.00
13,463.0	90.00	179.43	10,645.0	-2,206.1	-192.2	2,208.4	0.00	0.00	0.00
13,464.0	90.00	179.43	10,645.0	-2,207.1	-192.2	2,209.4	0.00	0.00	0.00
13,465.0	90.00	179.43	10,645.0	-2,208.1	-192.2	2,210.4	0.00	0.00	0.00
13,466.0	90.00	179.43	10,645.0	-2,209.1	-192.1	2,211.4	0.00	0.00	0.00
13,467.0	90.00	179.43	10,645.0	-2,210.1	-192.1	2,212.4	0.00	0.00	0.00
13,468.0	90.00	179.43	10,645.0	-2,211.1	-192.1	2,213.4	0.00	0.00	0.00
13,469.0	90.00	179.43	10,645.0	-2,212.1	-192.1	2,214.4	0.00	0.00	0.00
13,470.0	90.00	179.43	10,645.0	-2,213.1	-192.1	2,215.4	0.00	0.00	0.00
13,471.0	90.00	179.43	10,645.0	-2,214.1	-192.1	2,216.4	0.00	0.00	0.00
13,472.0	90.00	179.43	10,645.0	-2,215.1	-192.1	2,217.4	0.00	0.00	0.00
13,473.0	90.00	179.43	10,645.0	-2,216.1	-192.1	2,218.4	0.00	0.00	0.00
13,474.0	90.00	179.43	10,645.0	-2,217.1	-192.1	2,219.4	0.00	0.00	0.00
13,475.0	90.00	179.43	10,645.0	-2,218.1	-192.1	2,220.4	0.00	0.00	0.00
13,476.0	90.00	179.43	10,645.0	-2,219.1	-192.0	2,221.4	0.00	0.00	0.00
13,477.0	90.00	179.43	10,645.0	-2,220.1	-192.0	2,222.4	0.00	0.00	0.00
13,478.0	90.00	179.43	10,645.0	-2,221.1	-192.0	2,223.4	0.00	0.00	0.00
13,479.0	90.00	179.43	10,645.0	-2,222.1	-192.0	2,224.4	0.00	0.00	0.00
13,480.0	90.00	179.43	10,645.0	-2,223.1	-192.0	2,225.4	0.00	0.00	0.00
13,481.0	90.00	179.43	10,645.0	-2,224.1	-192.0	2,226.4	0.00	0.00	0.00
13,482.0	90.00	179.43	10,645.0	-2,225.1	-192.0	2,227.4	0.00	0.00	0.00
13,483.0	90.00	179.43	10,645.0	-2,226.1	-192.0	2,228.4	0.00	0.00	0.00
13,484.0	90.00	179.43	10,645.0	-2,227.1	-192.0	2,229.4	0.00	0.00	0.00
13,485.0	90.00	179.43	10,645.0	-2,228.1	-192.0	2,230.4	0.00	0.00	0.00
13,486.0	90.00	179.43	10,645.0	-2,229.1	-192.0	2,231.4	0.00	0.00	0.00
13,487.0	90.00	179.43	10,645.0	-2,230.1	-191.9	2,232.4	0.00	0.00	0.00
13,488.0	90.00	179.43	10,645.0	-2,231.1	-191.9	2,233.4	0.00	0.00	0.00
13,489.0	90.00	179.43	10,645.0	-2,232.1	-191.9	2,234.4	0.00	0.00	0.00
13,490.0	90.00	179.43	10,645.0	-2,233.1	-191.9	2,235.4	0.00	0.00	0.00
13,491.0	90.00	179.43	10,645.0	-2,234.1	-191.9	2,236.4	0.00	0.00	0.00
13,492.0	90.00	179.43	10,645.0	-2,235.1	-191.9	2,237.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,493.0	90.00	179.43	10,645.0	-2,236.1	-191.9	2,238.4	0.00	0.00	0.00
13,494.0	90.00	179.43	10,645.0	-2,237.1	-191.9	2,239.4	0.00	0.00	0.00
13,495.0	90.00	179.43	10,645.0	-2,238.1	-191.9	2,240.4	0.00	0.00	0.00
13,496.0	90.00	179.43	10,645.0	-2,239.1	-191.9	2,241.4	0.00	0.00	0.00
13,497.0	90.00	179.43	10,645.0	-2,240.1	-191.8	2,242.4	0.00	0.00	0.00
13,498.0	90.00	179.43	10,645.0	-2,241.1	-191.8	2,243.4	0.00	0.00	0.00
13,499.0	90.00	179.43	10,645.0	-2,242.1	-191.8	2,244.4	0.00	0.00	0.00
13,500.0	90.00	179.43	10,645.0	-2,243.1	-191.8	2,245.4	0.05	0.00	0.05
13,501.0	90.00	179.43	10,645.0	-2,244.1	-191.8	2,246.4	0.00	0.00	0.00
13,502.0	90.00	179.43	10,645.0	-2,245.1	-191.8	2,247.4	0.00	0.00	0.00
13,503.0	90.00	179.43	10,645.0	-2,246.1	-191.8	2,248.4	0.00	0.00	0.00
13,504.0	90.00	179.43	10,645.0	-2,247.1	-191.8	2,249.4	0.00	0.00	0.00
13,505.0	90.00	179.43	10,645.0	-2,248.1	-191.8	2,250.4	0.00	0.00	0.00
13,506.0	90.00	179.43	10,645.0	-2,249.1	-191.8	2,251.4	0.00	0.00	0.00
13,507.0	90.00	179.43	10,645.0	-2,250.1	-191.7	2,252.4	0.00	0.00	0.00
13,508.0	90.00	179.43	10,645.0	-2,251.1	-191.7	2,253.4	0.00	0.00	0.00
13,509.0	90.00	179.43	10,645.0	-2,252.1	-191.7	2,254.4	0.00	0.00	0.00
13,510.0	90.00	179.43	10,645.0	-2,253.1	-191.7	2,255.3	0.00	0.00	0.00
13,511.0	90.00	179.43	10,645.0	-2,254.1	-191.7	2,256.3	0.00	0.00	0.00
13,512.0	90.00	179.43	10,645.0	-2,255.1	-191.7	2,257.3	0.00	0.00	0.00
13,513.0	90.00	179.43	10,645.0	-2,256.1	-191.7	2,258.3	0.00	0.00	0.00
13,514.0	90.00	179.43	10,645.0	-2,257.1	-191.7	2,259.3	0.00	0.00	0.00
13,515.0	90.00	179.43	10,645.0	-2,258.1	-191.7	2,260.3	0.00	0.00	0.00
13,516.0	90.00	179.43	10,645.0	-2,259.1	-191.7	2,261.3	0.00	0.00	0.00
13,517.0	90.00	179.43	10,645.0	-2,260.1	-191.6	2,262.3	0.00	0.00	0.00
13,518.0	90.00	179.43	10,645.0	-2,261.1	-191.6	2,263.3	0.00	0.00	0.00
13,519.0	90.00	179.43	10,645.0	-2,262.1	-191.6	2,264.3	0.00	0.00	0.00
13,520.0	90.00	179.43	10,645.0	-2,263.1	-191.6	2,265.3	0.00	0.00	0.00
13,521.0	90.00	179.43	10,645.0	-2,264.1	-191.6	2,266.3	0.00	0.00	0.00
13,522.0	90.00	179.43	10,645.0	-2,265.1	-191.6	2,267.3	0.00	0.00	0.00
13,523.0	90.00	179.43	10,645.0	-2,266.1	-191.6	2,268.3	0.00	0.00	0.00
13,524.0	90.00	179.43	10,645.0	-2,267.1	-191.6	2,269.3	0.00	0.00	0.00
13,525.0	90.00	179.43	10,645.0	-2,268.1	-191.6	2,270.3	0.00	0.00	0.00
13,526.0	90.00	179.43	10,645.0	-2,269.1	-191.6	2,271.3	0.00	0.00	0.00
13,527.0	90.00	179.43	10,645.0	-2,270.1	-191.5	2,272.3	0.00	0.00	0.00
13,528.0	90.00	179.43	10,645.0	-2,271.1	-191.5	2,273.3	0.00	0.00	0.00
13,529.0	90.00	179.43	10,645.0	-2,272.1	-191.5	2,274.3	0.00	0.00	0.00
13,530.0	90.00	179.43	10,645.0	-2,273.1	-191.5	2,275.3	0.00	0.00	0.00
13,531.0	90.00	179.43	10,645.0	-2,274.1	-191.5	2,276.3	0.00	0.00	0.00
13,532.0	90.00	179.43	10,645.0	-2,275.1	-191.5	2,277.3	0.00	0.00	0.00
13,533.0	90.00	179.43	10,645.0	-2,276.1	-191.5	2,278.3	0.00	0.00	0.00
13,534.0	90.00	179.43	10,645.0	-2,277.1	-191.5	2,279.3	0.00	0.00	0.00
13,535.0	90.00	179.43	10,645.0	-2,278.1	-191.5	2,280.3	0.00	0.00	0.00
13,536.0	90.00	179.43	10,645.0	-2,279.1	-191.5	2,281.3	0.00	0.00	0.00
13,537.0	90.00	179.43	10,645.0	-2,280.1	-191.4	2,282.3	0.00	0.00	0.00
13,538.0	90.00	179.43	10,645.0	-2,281.1	-191.4	2,283.3	0.00	0.00	0.00
13,539.0	90.00	179.43	10,645.0	-2,282.1	-191.4	2,284.3	0.00	0.00	0.00
13,540.0	90.00	179.43	10,645.0	-2,283.1	-191.4	2,285.3	0.00	0.00	0.00
13,541.0	90.00	179.43	10,645.0	-2,284.1	-191.4	2,286.3	0.00	0.00	0.00
13,542.0	90.00	179.43	10,645.0	-2,285.1	-191.4	2,287.3	0.00	0.00	0.00
13,543.0	90.00	179.43	10,645.0	-2,286.1	-191.4	2,288.3	0.00	0.00	0.00
13,544.0	90.00	179.43	10,645.0	-2,287.1	-191.4	2,289.3	0.00	0.00	0.00
13,545.0	90.00	179.43	10,645.0	-2,288.1	-191.4	2,290.3	0.00	0.00	0.00
13,546.0	90.00	179.43	10,645.0	-2,289.1	-191.4	2,291.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,547.0	90.00	179.43	10,645.0	-2,290.1	-191.3	2,292.3	0.00	0.00	0.00	
13,548.0	90.00	179.43	10,645.0	-2,291.1	-191.3	2,293.3	0.00	0.00	0.00	
13,549.0	90.00	179.43	10,645.0	-2,292.1	-191.3	2,294.3	0.00	0.00	0.00	
13,550.0	90.00	179.43	10,645.0	-2,293.1	-191.3	2,295.3	0.00	0.00	0.00	
13,551.0	90.00	179.43	10,645.0	-2,294.1	-191.3	2,296.3	0.00	0.00	0.00	
13,552.0	90.00	179.43	10,645.0	-2,295.1	-191.3	2,297.3	0.00	0.00	0.00	
13,553.0	90.00	179.43	10,645.0	-2,296.1	-191.3	2,298.3	0.00	0.00	0.00	
13,554.0	90.00	179.43	10,645.0	-2,297.1	-191.3	2,299.3	0.00	0.00	0.00	
13,555.0	90.00	179.43	10,645.0	-2,298.1	-191.3	2,300.3	0.00	0.00	0.00	
13,556.0	90.00	179.43	10,645.0	-2,299.1	-191.3	2,301.3	0.00	0.00	0.00	
13,557.0	90.00	179.43	10,645.0	-2,300.1	-191.2	2,302.3	0.00	0.00	0.00	
13,558.0	90.00	179.43	10,645.0	-2,301.1	-191.2	2,303.3	0.00	0.00	0.00	
13,559.0	90.00	179.43	10,645.0	-2,302.1	-191.2	2,304.3	0.00	0.00	0.00	
13,560.0	90.00	179.43	10,645.0	-2,303.1	-191.2	2,305.3	0.00	0.00	0.00	
13,561.0	90.00	179.43	10,645.0	-2,304.1	-191.2	2,306.3	0.00	0.00	0.00	
13,562.0	90.00	179.43	10,645.0	-2,305.1	-191.2	2,307.3	0.00	0.00	0.00	
13,563.0	90.00	179.43	10,645.0	-2,306.1	-191.2	2,308.3	0.00	0.00	0.00	
13,564.0	90.00	179.43	10,645.0	-2,307.1	-191.2	2,309.3	0.00	0.00	0.00	
13,565.0	90.00	179.43	10,645.0	-2,308.1	-191.2	2,310.3	0.00	0.00	0.00	
13,566.0	90.00	179.43	10,645.0	-2,309.1	-191.2	2,311.3	0.00	0.00	0.00	
13,567.0	90.00	179.43	10,645.0	-2,310.1	-191.1	2,312.3	0.00	0.00	0.00	
13,568.0	90.00	179.43	10,645.0	-2,311.1	-191.1	2,313.3	0.00	0.00	0.00	
13,569.0	90.00	179.43	10,645.0	-2,312.1	-191.1	2,314.3	0.00	0.00	0.00	
13,570.0	90.00	179.43	10,645.0	-2,313.1	-191.1	2,315.3	0.00	0.00	0.00	
13,571.0	90.00	179.43	10,645.0	-2,314.1	-191.1	2,316.3	0.00	0.00	0.00	
13,572.0	90.00	179.43	10,645.0	-2,315.1	-191.1	2,317.3	0.00	0.00	0.00	
13,573.0	90.00	179.43	10,645.0	-2,316.1	-191.1	2,318.3	0.00	0.00	0.00	
13,574.0	90.00	179.43	10,645.0	-2,317.1	-191.1	2,319.3	0.00	0.00	0.00	
13,575.0	90.00	179.43	10,645.0	-2,318.1	-191.1	2,320.3	0.00	0.00	0.00	
13,576.0	90.00	179.43	10,645.0	-2,319.1	-191.1	2,321.3	0.00	0.00	0.00	
13,577.0	90.00	179.43	10,645.0	-2,320.1	-191.0	2,322.3	0.00	0.00	0.00	
13,578.0	90.00	179.43	10,645.0	-2,321.1	-191.0	2,323.3	0.00	0.00	0.00	
13,579.0	90.00	179.43	10,645.0	-2,322.1	-191.0	2,324.3	0.00	0.00	0.00	
13,580.0	90.00	179.43	10,645.0	-2,323.1	-191.0	2,325.3	0.00	0.00	0.00	
13,581.0	90.00	179.43	10,645.0	-2,324.1	-191.0	2,326.3	0.00	0.00	0.00	
13,582.0	90.00	179.43	10,645.0	-2,325.1	-191.0	2,327.3	0.00	0.00	0.00	
13,583.0	90.00	179.43	10,645.0	-2,326.1	-191.0	2,328.3	0.00	0.00	0.00	
13,584.0	90.00	179.43	10,645.0	-2,327.1	-191.0	2,329.3	0.00	0.00	0.00	
13,585.0	90.00	179.43	10,645.0	-2,328.1	-191.0	2,330.3	0.00	0.00	0.00	
13,586.0	90.00	179.43	10,645.0	-2,329.1	-191.0	2,331.3	0.00	0.00	0.00	
13,587.0	90.00	179.43	10,645.0	-2,330.1	-190.9	2,332.3	0.00	0.00	0.00	
13,588.0	90.00	179.43	10,645.0	-2,331.1	-190.9	2,333.3	0.00	0.00	0.00	
13,589.0	90.00	179.43	10,645.0	-2,332.1	-190.9	2,334.3	0.00	0.00	0.00	
13,590.0	90.00	179.43	10,645.0	-2,333.1	-190.9	2,335.3	0.00	0.00	0.00	
13,591.0	90.00	179.43	10,645.0	-2,334.1	-190.9	2,336.3	0.00	0.00	0.00	
13,592.0	90.00	179.43	10,645.0	-2,335.1	-190.9	2,337.3	0.00	0.00	0.00	
13,593.0	90.00	179.43	10,645.0	-2,336.1	-190.9	2,338.3	0.00	0.00	0.00	
13,594.0	90.00	179.43	10,645.0	-2,337.1	-190.9	2,339.3	0.00	0.00	0.00	
13,595.0	90.00	179.43	10,645.0	-2,338.1	-190.9	2,340.3	0.00	0.00	0.00	
13,596.0	90.00	179.43	10,645.0	-2,339.1	-190.9	2,341.3	0.00	0.00	0.00	
13,597.0	90.00	179.43	10,645.0	-2,340.1	-190.8	2,342.3	0.00	0.00	0.00	
13,598.0	90.00	179.43	10,645.0	-2,341.1	-190.8	2,343.3	0.00	0.00	0.00	
13,599.0	90.00	179.43	10,645.0	-2,342.1	-190.8	2,344.3	0.00	0.00	0.00	
13,600.0	90.00	179.43	10,645.0	-2,343.1	-190.8	2,345.3	0.05	0.00	0.05	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,601.0	90.00	179.43	10,645.0	-2,344.1	-190.8	2,346.3	0.00	0.00	0.00	
13,602.0	90.00	179.43	10,645.0	-2,345.1	-190.8	2,347.3	0.00	0.00	0.00	
13,603.0	90.00	179.43	10,645.0	-2,346.1	-190.8	2,348.3	0.00	0.00	0.00	
13,604.0	90.00	179.43	10,645.0	-2,347.1	-190.8	2,349.3	0.00	0.00	0.00	
13,605.0	90.00	179.43	10,645.0	-2,348.1	-190.8	2,350.3	0.00	0.00	0.00	
13,606.0	90.00	179.43	10,645.0	-2,349.1	-190.8	2,351.3	0.00	0.00	0.00	
13,607.0	90.00	179.43	10,645.0	-2,350.1	-190.7	2,352.3	0.00	0.00	0.00	
13,608.0	90.00	179.43	10,645.0	-2,351.1	-190.7	2,353.3	0.00	0.00	0.00	
13,609.0	90.00	179.43	10,645.0	-2,352.1	-190.7	2,354.3	0.00	0.00	0.00	
13,610.0	90.00	179.43	10,645.0	-2,353.1	-190.7	2,355.3	0.00	0.00	0.00	
13,611.0	90.00	179.43	10,645.0	-2,354.1	-190.7	2,356.3	0.00	0.00	0.00	
13,612.0	90.00	179.43	10,645.0	-2,355.1	-190.7	2,357.3	0.00	0.00	0.00	
13,613.0	90.00	179.43	10,645.0	-2,356.1	-190.7	2,358.3	0.00	0.00	0.00	
13,614.0	90.00	179.43	10,645.0	-2,357.1	-190.7	2,359.3	0.00	0.00	0.00	
13,615.0	90.00	179.43	10,645.0	-2,358.1	-190.7	2,360.3	0.00	0.00	0.00	
13,616.0	90.00	179.43	10,645.0	-2,359.1	-190.7	2,361.3	0.00	0.00	0.00	
13,617.0	90.00	179.43	10,645.0	-2,360.1	-190.7	2,362.3	0.00	0.00	0.00	
13,618.0	90.00	179.43	10,645.0	-2,361.1	-190.6	2,363.3	0.00	0.00	0.00	
13,619.0	90.00	179.43	10,645.0	-2,362.1	-190.6	2,364.3	0.00	0.00	0.00	
13,620.0	90.00	179.43	10,645.0	-2,363.1	-190.6	2,365.3	0.00	0.00	0.00	
13,621.0	90.00	179.43	10,645.0	-2,364.1	-190.6	2,366.3	0.00	0.00	0.00	
13,622.0	90.00	179.43	10,645.0	-2,365.1	-190.6	2,367.3	0.00	0.00	0.00	
13,623.0	90.00	179.43	10,645.0	-2,366.1	-190.6	2,368.3	0.00	0.00	0.00	
13,624.0	90.00	179.43	10,645.0	-2,367.1	-190.6	2,369.3	0.00	0.00	0.00	
13,625.0	90.00	179.43	10,645.0	-2,368.1	-190.6	2,370.3	0.00	0.00	0.00	
13,626.0	90.00	179.43	10,645.0	-2,369.1	-190.6	2,371.3	0.00	0.00	0.00	
13,627.0	90.00	179.43	10,645.0	-2,370.1	-190.6	2,372.3	0.00	0.00	0.00	
13,628.0	90.00	179.43	10,645.0	-2,371.1	-190.5	2,373.3	0.00	0.00	0.00	
13,629.0	90.00	179.43	10,645.0	-2,372.1	-190.5	2,374.3	0.00	0.00	0.00	
13,630.0	90.00	179.43	10,645.0	-2,373.1	-190.5	2,375.3	0.00	0.00	0.00	
13,631.0	90.00	179.43	10,645.0	-2,374.1	-190.5	2,376.3	0.00	0.00	0.00	
13,632.0	90.00	179.43	10,645.0	-2,375.1	-190.5	2,377.3	0.00	0.00	0.00	
13,633.0	90.00	179.43	10,645.0	-2,376.1	-190.5	2,378.3	0.00	0.00	0.00	
13,634.0	90.00	179.43	10,645.0	-2,377.1	-190.5	2,379.3	0.00	0.00	0.00	
13,635.0	90.00	179.43	10,645.0	-2,378.1	-190.5	2,380.3	0.00	0.00	0.00	
13,636.0	90.00	179.43	10,645.0	-2,379.1	-190.5	2,381.3	0.00	0.00	0.00	
13,637.0	90.00	179.43	10,645.0	-2,380.1	-190.5	2,382.3	0.00	0.00	0.00	
13,638.0	90.00	179.43	10,645.0	-2,381.1	-190.4	2,383.3	0.00	0.00	0.00	
13,639.0	90.00	179.43	10,645.0	-2,382.1	-190.4	2,384.3	0.00	0.00	0.00	
13,640.0	90.00	179.43	10,645.0	-2,383.1	-190.4	2,385.3	0.00	0.00	0.00	
13,641.0	90.00	179.43	10,645.0	-2,384.1	-190.4	2,386.3	0.00	0.00	0.00	
13,642.0	90.00	179.43	10,645.0	-2,385.1	-190.4	2,387.3	0.00	0.00	0.00	
13,643.0	90.00	179.43	10,645.0	-2,386.1	-190.4	2,388.3	0.00	0.00	0.00	
13,644.0	90.00	179.43	10,645.0	-2,387.1	-190.4	2,389.3	0.00	0.00	0.00	
13,645.0	90.00	179.43	10,645.0	-2,388.1	-190.4	2,390.3	0.00	0.00	0.00	
13,646.0	90.00	179.43	10,645.0	-2,389.1	-190.4	2,391.3	0.00	0.00	0.00	
13,647.0	90.00	179.43	10,645.0	-2,390.1	-190.4	2,392.3	0.00	0.00	0.00	
13,648.0	90.00	179.43	10,645.0	-2,391.1	-190.3	2,393.3	0.00	0.00	0.00	
13,649.0	90.00	179.43	10,645.0	-2,392.1	-190.3	2,394.3	0.00	0.00	0.00	
13,650.0	90.00	179.43	10,645.0	-2,393.1	-190.3	2,395.3	0.00	0.00	0.00	
13,651.0	90.00	179.43	10,645.0	-2,394.1	-190.3	2,396.3	0.00	0.00	0.00	
13,652.0	90.00	179.43	10,645.0	-2,395.1	-190.3	2,397.3	0.00	0.00	0.00	
13,653.0	90.00	179.43	10,645.0	-2,396.1	-190.3	2,398.3	0.00	0.00	0.00	
13,654.0	90.00	179.43	10,645.0	-2,397.1	-190.3	2,399.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,655.0	90.00	179.43	10,645.0	-2,398.1	-190.3	2,400.3	0.00	0.00	0.00	
13,656.0	90.00	179.43	10,645.0	-2,399.1	-190.3	2,401.3	0.00	0.00	0.00	
13,657.0	90.00	179.43	10,645.0	-2,400.1	-190.3	2,402.3	0.00	0.00	0.00	
13,658.0	90.00	179.43	10,645.0	-2,401.1	-190.2	2,403.3	0.00	0.00	0.00	
13,659.0	90.00	179.43	10,645.0	-2,402.1	-190.2	2,404.3	0.00	0.00	0.00	
13,660.0	90.00	179.43	10,645.0	-2,403.1	-190.2	2,405.3	0.00	0.00	0.00	
13,661.0	90.00	179.43	10,645.0	-2,404.1	-190.2	2,406.3	0.00	0.00	0.00	
13,662.0	90.00	179.43	10,645.0	-2,405.1	-190.2	2,407.3	0.00	0.00	0.00	
13,663.0	90.00	179.43	10,645.0	-2,406.1	-190.2	2,408.3	0.00	0.00	0.00	
13,664.0	90.00	179.43	10,645.0	-2,407.1	-190.2	2,409.3	0.00	0.00	0.00	
13,665.0	90.00	179.43	10,645.0	-2,408.1	-190.2	2,410.3	0.00	0.00	0.00	
13,666.0	90.00	179.43	10,645.0	-2,409.1	-190.2	2,411.3	0.00	0.00	0.00	
13,667.0	90.00	179.43	10,645.0	-2,410.1	-190.2	2,412.3	0.00	0.00	0.00	
13,668.0	90.00	179.43	10,645.0	-2,411.1	-190.1	2,413.3	0.00	0.00	0.00	
13,669.0	90.00	179.43	10,645.0	-2,412.1	-190.1	2,414.3	0.00	0.00	0.00	
13,670.0	90.00	179.43	10,645.0	-2,413.1	-190.1	2,415.3	0.00	0.00	0.00	
13,671.0	90.00	179.43	10,645.0	-2,414.1	-190.1	2,416.3	0.00	0.00	0.00	
13,672.0	90.00	179.43	10,645.0	-2,415.1	-190.1	2,417.3	0.00	0.00	0.00	
13,673.0	90.00	179.43	10,645.0	-2,416.1	-190.1	2,418.3	0.00	0.00	0.00	
13,674.0	90.00	179.43	10,645.0	-2,417.1	-190.1	2,419.3	0.00	0.00	0.00	
13,675.0	90.00	179.43	10,645.0	-2,418.1	-190.1	2,420.3	0.00	0.00	0.00	
13,676.0	90.00	179.43	10,645.0	-2,419.1	-190.1	2,421.3	0.00	0.00	0.00	
13,677.0	90.00	179.43	10,645.0	-2,420.1	-190.1	2,422.3	0.00	0.00	0.00	
13,678.0	90.00	179.43	10,645.0	-2,421.1	-190.0	2,423.3	0.00	0.00	0.00	
13,679.0	90.00	179.43	10,645.0	-2,422.1	-190.0	2,424.3	0.00	0.00	0.00	
13,680.0	90.00	179.43	10,645.0	-2,423.1	-190.0	2,425.3	0.00	0.00	0.00	
13,681.0	90.00	179.43	10,645.0	-2,424.1	-190.0	2,426.3	0.00	0.00	0.00	
13,682.0	90.00	179.43	10,645.0	-2,425.1	-190.0	2,427.3	0.00	0.00	0.00	
13,683.0	90.00	179.43	10,645.0	-2,426.1	-190.0	2,428.3	0.00	0.00	0.00	
13,684.0	90.00	179.43	10,645.0	-2,427.1	-190.0	2,429.3	0.00	0.00	0.00	
13,685.0	90.00	179.43	10,645.0	-2,428.1	-190.0	2,430.3	0.00	0.00	0.00	
13,686.0	90.00	179.43	10,645.0	-2,429.1	-190.0	2,431.3	0.00	0.00	0.00	
13,687.0	90.00	179.43	10,645.0	-2,430.1	-190.0	2,432.3	0.00	0.00	0.00	
13,688.0	90.00	179.43	10,645.0	-2,431.1	-189.9	2,433.3	0.00	0.00	0.00	
13,689.0	90.00	179.43	10,645.0	-2,432.1	-189.9	2,434.3	0.00	0.00	0.00	
13,690.0	90.00	179.43	10,645.0	-2,433.1	-189.9	2,435.3	0.00	0.00	0.00	
13,691.0	90.00	179.43	10,645.0	-2,434.1	-189.9	2,436.3	0.00	0.00	0.00	
13,692.0	90.00	179.43	10,645.0	-2,435.1	-189.9	2,437.3	0.00	0.00	0.00	
13,693.0	90.00	179.43	10,645.0	-2,436.1	-189.9	2,438.3	0.00	0.00	0.00	
13,694.0	90.00	179.43	10,645.0	-2,437.1	-189.9	2,439.3	0.00	0.00	0.00	
13,695.0	90.00	179.43	10,645.0	-2,438.1	-189.9	2,440.3	0.00	0.00	0.00	
13,696.0	90.00	179.43	10,645.0	-2,439.1	-189.9	2,441.3	0.00	0.00	0.00	
13,697.0	90.00	179.43	10,645.0	-2,440.1	-189.9	2,442.3	0.00	0.00	0.00	
13,698.0	90.00	179.43	10,645.0	-2,441.1	-189.8	2,443.3	0.00	0.00	0.00	
13,699.0	90.00	179.43	10,645.0	-2,442.1	-189.8	2,444.3	0.00	0.00	0.00	
13,700.0	90.00	179.43	10,645.0	-2,443.1	-189.8	2,445.3	0.05	0.00	0.05	
13,701.0	90.00	179.43	10,645.0	-2,444.1	-189.8	2,446.3	0.00	0.00	0.00	
13,702.0	90.00	179.43	10,645.0	-2,445.1	-189.8	2,447.3	0.00	0.00	0.00	
13,703.0	90.00	179.43	10,645.0	-2,446.1	-189.8	2,448.3	0.00	0.00	0.00	
13,704.0	90.00	179.43	10,645.0	-2,447.1	-189.8	2,449.3	0.00	0.00	0.00	
13,705.0	90.00	179.43	10,645.0	-2,448.1	-189.8	2,450.3	0.00	0.00	0.00	
13,706.0	90.00	179.43	10,645.0	-2,449.1	-189.8	2,451.3	0.00	0.00	0.00	
13,707.0	90.00	179.43	10,645.0	-2,450.1	-189.8	2,452.3	0.00	0.00	0.00	
13,708.0	90.00	179.43	10,645.0	-2,451.1	-189.7	2,453.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,709.0	90.00	179.43	10,645.0	-2,452.1	-189.7	2,454.3	0.00	0.00	0.00
13,710.0	90.00	179.43	10,645.0	-2,453.1	-189.7	2,455.3	0.00	0.00	0.00
13,711.0	90.00	179.43	10,645.0	-2,454.1	-189.7	2,456.3	0.00	0.00	0.00
13,712.0	90.00	179.43	10,645.0	-2,455.1	-189.7	2,457.3	0.00	0.00	0.00
13,713.0	90.00	179.43	10,645.0	-2,456.1	-189.7	2,458.3	0.00	0.00	0.00
13,714.0	90.00	179.43	10,645.0	-2,457.1	-189.7	2,459.3	0.00	0.00	0.00
13,715.0	90.00	179.43	10,645.0	-2,458.1	-189.7	2,460.3	0.00	0.00	0.00
13,716.0	90.00	179.43	10,645.0	-2,459.1	-189.7	2,461.3	0.00	0.00	0.00
13,717.0	90.00	179.43	10,645.0	-2,460.1	-189.7	2,462.3	0.00	0.00	0.00
13,718.0	90.00	179.43	10,645.0	-2,461.1	-189.6	2,463.3	0.00	0.00	0.00
13,719.0	90.00	179.43	10,645.0	-2,462.1	-189.6	2,464.3	0.00	0.00	0.00
13,720.0	90.00	179.43	10,645.0	-2,463.1	-189.6	2,465.3	0.00	0.00	0.00
13,721.0	90.00	179.43	10,645.0	-2,464.1	-189.6	2,466.3	0.00	0.00	0.00
13,722.0	90.00	179.43	10,645.0	-2,465.1	-189.6	2,467.3	0.00	0.00	0.00
13,723.0	90.00	179.43	10,645.0	-2,466.1	-189.6	2,468.3	0.00	0.00	0.00
13,724.0	90.00	179.43	10,645.0	-2,467.1	-189.6	2,469.3	0.00	0.00	0.00
13,725.0	90.00	179.43	10,645.0	-2,468.1	-189.6	2,470.3	0.00	0.00	0.00
13,726.0	90.00	179.43	10,645.0	-2,469.1	-189.6	2,471.3	0.00	0.00	0.00
13,727.0	90.00	179.43	10,645.0	-2,470.1	-189.6	2,472.3	0.00	0.00	0.00
13,728.0	90.00	179.43	10,645.0	-2,471.1	-189.6	2,473.3	0.00	0.00	0.00
13,729.0	90.00	179.43	10,645.0	-2,472.1	-189.5	2,474.3	0.00	0.00	0.00
13,730.0	90.00	179.43	10,645.0	-2,473.1	-189.5	2,475.3	0.00	0.00	0.00
13,731.0	90.00	179.43	10,645.0	-2,474.1	-189.5	2,476.3	0.00	0.00	0.00
13,732.0	90.00	179.43	10,645.0	-2,475.1	-189.5	2,477.3	0.00	0.00	0.00
13,733.0	90.00	179.43	10,645.0	-2,476.1	-189.5	2,478.3	0.00	0.00	0.00
13,734.0	90.00	179.43	10,645.0	-2,477.1	-189.5	2,479.3	0.00	0.00	0.00
13,735.0	90.00	179.43	10,645.0	-2,478.1	-189.5	2,480.3	0.00	0.00	0.00
13,736.0	90.00	179.43	10,645.0	-2,479.1	-189.5	2,481.3	0.00	0.00	0.00
13,737.0	90.00	179.43	10,645.0	-2,480.1	-189.5	2,482.3	0.00	0.00	0.00
13,738.0	90.00	179.43	10,645.0	-2,481.1	-189.5	2,483.3	0.00	0.00	0.00
13,739.0	90.00	179.43	10,645.0	-2,482.1	-189.4	2,484.3	0.00	0.00	0.00
13,740.0	90.00	179.43	10,645.0	-2,483.1	-189.4	2,485.3	0.00	0.00	0.00
13,741.0	90.00	179.43	10,645.0	-2,484.1	-189.4	2,486.3	0.00	0.00	0.00
13,742.0	90.00	179.43	10,645.0	-2,485.1	-189.4	2,487.3	0.00	0.00	0.00
13,743.0	90.00	179.43	10,645.0	-2,486.1	-189.4	2,488.3	0.00	0.00	0.00
13,744.0	90.00	179.43	10,645.0	-2,487.1	-189.4	2,489.3	0.00	0.00	0.00
13,745.0	90.00	179.43	10,645.0	-2,488.1	-189.4	2,490.3	0.00	0.00	0.00
13,746.0	90.00	179.43	10,645.0	-2,489.1	-189.4	2,491.3	0.00	0.00	0.00
13,747.0	90.00	179.43	10,645.0	-2,490.1	-189.4	2,492.3	0.00	0.00	0.00
13,748.0	90.00	179.43	10,645.0	-2,491.1	-189.4	2,493.3	0.00	0.00	0.00
13,749.0	90.00	179.43	10,645.0	-2,492.1	-189.3	2,494.3	0.00	0.00	0.00
13,750.0	90.00	179.43	10,645.0	-2,493.1	-189.3	2,495.3	0.00	0.00	0.00
13,751.0	90.00	179.43	10,645.0	-2,494.1	-189.3	2,496.3	0.00	0.00	0.00
13,752.0	90.00	179.43	10,645.0	-2,495.1	-189.3	2,497.3	0.00	0.00	0.00
13,753.0	90.00	179.43	10,645.0	-2,496.1	-189.3	2,498.3	0.00	0.00	0.00
13,754.0	90.00	179.43	10,645.0	-2,497.1	-189.3	2,499.3	0.00	0.00	0.00
13,755.0	90.00	179.43	10,645.0	-2,498.1	-189.3	2,500.3	0.00	0.00	0.00
13,756.0	90.00	179.43	10,645.0	-2,499.1	-189.3	2,501.3	0.00	0.00	0.00
13,757.0	90.00	179.43	10,645.0	-2,500.1	-189.3	2,502.3	0.00	0.00	0.00
13,758.0	90.00	179.43	10,645.0	-2,501.1	-189.3	2,503.3	0.00	0.00	0.00
13,759.0	90.00	179.43	10,645.0	-2,502.1	-189.2	2,504.3	0.00	0.00	0.00
13,760.0	90.00	179.43	10,645.0	-2,503.1	-189.2	2,505.3	0.00	0.00	0.00
13,761.0	90.00	179.43	10,645.0	-2,504.1	-189.2	2,506.3	0.00	0.00	0.00
13,762.0	90.00	179.43	10,645.0	-2,505.1	-189.2	2,507.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,763.0	90.00	179.43	10,645.0	-2,506.1	-189.2	2,508.3	0.00	0.00	0.00
13,764.0	90.00	179.43	10,645.0	-2,507.1	-189.2	2,509.3	0.00	0.00	0.00
13,765.0	90.00	179.43	10,645.0	-2,508.1	-189.2	2,510.3	0.00	0.00	0.00
13,766.0	90.00	179.43	10,645.0	-2,509.1	-189.2	2,511.3	0.00	0.00	0.00
13,767.0	90.00	179.43	10,645.0	-2,510.1	-189.2	2,512.3	0.00	0.00	0.00
13,768.0	90.00	179.43	10,645.0	-2,511.1	-189.2	2,513.3	0.00	0.00	0.00
13,769.0	90.00	179.43	10,645.0	-2,512.1	-189.1	2,514.3	0.00	0.00	0.00
13,770.0	90.00	179.43	10,645.0	-2,513.1	-189.1	2,515.3	0.00	0.00	0.00
13,771.0	90.00	179.43	10,645.0	-2,514.1	-189.1	2,516.3	0.00	0.00	0.00
13,772.0	90.00	179.43	10,645.0	-2,515.1	-189.1	2,517.3	0.00	0.00	0.00
13,773.0	90.00	179.43	10,645.0	-2,516.1	-189.1	2,518.3	0.00	0.00	0.00
13,774.0	90.00	179.43	10,645.0	-2,517.1	-189.1	2,519.3	0.00	0.00	0.00
13,775.0	90.00	179.43	10,645.0	-2,518.1	-189.1	2,520.3	0.00	0.00	0.00
13,776.0	90.00	179.43	10,645.0	-2,519.1	-189.1	2,521.3	0.00	0.00	0.00
13,777.0	90.00	179.43	10,645.0	-2,520.1	-189.1	2,522.3	0.00	0.00	0.00
13,778.0	90.00	179.43	10,645.0	-2,521.1	-189.1	2,523.3	0.00	0.00	0.00
13,779.0	90.00	179.43	10,645.0	-2,522.1	-189.0	2,524.3	0.00	0.00	0.00
13,780.0	90.00	179.43	10,645.0	-2,523.1	-189.0	2,525.3	0.00	0.00	0.00
13,781.0	90.00	179.43	10,645.0	-2,524.1	-189.0	2,526.3	0.00	0.00	0.00
13,782.0	90.00	179.43	10,645.0	-2,525.1	-189.0	2,527.3	0.00	0.00	0.00
13,783.0	90.00	179.43	10,645.0	-2,526.1	-189.0	2,528.3	0.00	0.00	0.00
13,784.0	90.00	179.43	10,645.0	-2,527.1	-189.0	2,529.3	0.00	0.00	0.00
13,785.0	90.00	179.43	10,645.0	-2,528.1	-189.0	2,530.3	0.00	0.00	0.00
13,786.0	90.00	179.43	10,645.0	-2,529.1	-189.0	2,531.3	0.00	0.00	0.00
13,787.0	90.00	179.43	10,645.0	-2,530.1	-189.0	2,532.3	0.00	0.00	0.00
13,788.0	90.00	179.43	10,645.0	-2,531.1	-189.0	2,533.3	0.00	0.00	0.00
13,789.0	90.00	179.43	10,645.0	-2,532.1	-188.9	2,534.3	0.00	0.00	0.00
13,790.0	90.00	179.43	10,645.0	-2,533.1	-188.9	2,535.3	0.00	0.00	0.00
13,791.0	90.00	179.43	10,645.0	-2,534.1	-188.9	2,536.3	0.00	0.00	0.00
13,792.0	90.00	179.43	10,645.0	-2,535.1	-188.9	2,537.3	0.00	0.00	0.00
13,793.0	90.00	179.43	10,645.0	-2,536.1	-188.9	2,538.3	0.00	0.00	0.00
13,794.0	90.00	179.43	10,645.0	-2,537.1	-188.9	2,539.3	0.00	0.00	0.00
13,795.0	90.00	179.43	10,645.0	-2,538.1	-188.9	2,540.3	0.00	0.00	0.00
13,796.0	90.00	179.43	10,645.0	-2,539.1	-188.9	2,541.3	0.00	0.00	0.00
13,797.0	90.00	179.43	10,645.0	-2,540.1	-188.9	2,542.3	0.00	0.00	0.00
13,798.0	90.00	179.43	10,645.0	-2,541.1	-188.9	2,543.3	0.00	0.00	0.00
13,799.0	90.00	179.43	10,645.0	-2,542.1	-188.8	2,544.3	0.00	0.00	0.00
13,800.0	90.00	179.43	10,645.0	-2,543.1	-188.8	2,545.3	0.05	0.00	0.05
13,801.0	90.00	179.43	10,645.0	-2,544.1	-188.8	2,546.3	0.00	0.00	0.00
13,802.0	90.00	179.43	10,645.0	-2,545.1	-188.8	2,547.3	0.00	0.00	0.00
13,803.0	90.00	179.43	10,645.0	-2,546.1	-188.8	2,548.3	0.00	0.00	0.00
13,804.0	90.00	179.43	10,645.0	-2,547.1	-188.8	2,549.3	0.00	0.00	0.00
13,805.0	90.00	179.43	10,645.0	-2,548.1	-188.8	2,550.3	0.00	0.00	0.00
13,806.0	90.00	179.43	10,645.0	-2,549.1	-188.8	2,551.3	0.00	0.00	0.00
13,807.0	90.00	179.43	10,645.0	-2,550.1	-188.8	2,552.3	0.00	0.00	0.00
13,808.0	90.00	179.43	10,645.0	-2,551.1	-188.8	2,553.3	0.00	0.00	0.00
13,809.0	90.00	179.43	10,645.0	-2,552.1	-188.7	2,554.3	0.00	0.00	0.00
13,810.0	90.00	179.43	10,645.0	-2,553.1	-188.7	2,555.3	0.00	0.00	0.00
13,811.0	90.00	179.43	10,645.0	-2,554.1	-188.7	2,556.3	0.00	0.00	0.00
13,812.0	90.00	179.43	10,645.0	-2,555.1	-188.7	2,557.3	0.00	0.00	0.00
13,813.0	90.00	179.43	10,645.0	-2,556.1	-188.7	2,558.3	0.00	0.00	0.00
13,814.0	90.00	179.43	10,645.0	-2,557.1	-188.7	2,559.3	0.00	0.00	0.00
13,815.0	90.00	179.43	10,645.0	-2,558.1	-188.7	2,560.3	0.00	0.00	0.00
13,816.0	90.00	179.43	10,645.0	-2,559.1	-188.7	2,561.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,817.0	90.00	179.43	10,645.0	-2,560.1	-188.7	2,562.3	0.00	0.00	0.00	
13,818.0	90.00	179.43	10,645.0	-2,561.1	-188.7	2,563.3	0.00	0.00	0.00	
13,819.0	90.00	179.43	10,645.0	-2,562.1	-188.6	2,564.3	0.00	0.00	0.00	
13,820.0	90.00	179.43	10,645.0	-2,563.1	-188.6	2,565.3	0.00	0.00	0.00	
13,821.0	90.00	179.43	10,645.0	-2,564.1	-188.6	2,566.3	0.00	0.00	0.00	
13,822.0	90.00	179.43	10,645.0	-2,565.1	-188.6	2,567.3	0.00	0.00	0.00	
13,823.0	90.00	179.43	10,645.0	-2,566.1	-188.6	2,568.3	0.00	0.00	0.00	
13,824.0	90.00	179.43	10,645.0	-2,567.1	-188.6	2,569.3	0.00	0.00	0.00	
13,825.0	90.00	179.43	10,645.0	-2,568.1	-188.6	2,570.3	0.00	0.00	0.00	
13,826.0	90.00	179.43	10,645.0	-2,569.1	-188.6	2,571.3	0.00	0.00	0.00	
13,827.0	90.00	179.43	10,645.0	-2,570.1	-188.6	2,572.3	0.00	0.00	0.00	
13,828.0	90.00	179.43	10,645.0	-2,571.1	-188.6	2,573.3	0.00	0.00	0.00	
13,829.0	90.00	179.43	10,645.0	-2,572.1	-188.6	2,574.3	0.00	0.00	0.00	
13,830.0	90.00	179.43	10,645.0	-2,573.1	-188.5	2,575.3	0.00	0.00	0.00	
13,831.0	90.00	179.43	10,645.0	-2,574.1	-188.5	2,576.3	0.00	0.00	0.00	
13,832.0	90.00	179.43	10,645.0	-2,575.1	-188.5	2,577.3	0.00	0.00	0.00	
13,833.0	90.00	179.43	10,645.0	-2,576.1	-188.5	2,578.3	0.00	0.00	0.00	
13,834.0	90.00	179.43	10,645.0	-2,577.1	-188.5	2,579.3	0.00	0.00	0.00	
13,835.0	90.00	179.43	10,645.0	-2,578.1	-188.5	2,580.3	0.00	0.00	0.00	
13,836.0	90.00	179.43	10,645.0	-2,579.1	-188.5	2,581.3	0.00	0.00	0.00	
13,837.0	90.00	179.43	10,645.0	-2,580.1	-188.5	2,582.3	0.00	0.00	0.00	
13,838.0	90.00	179.43	10,645.0	-2,581.1	-188.5	2,583.3	0.00	0.00	0.00	
13,839.0	90.00	179.43	10,645.0	-2,582.1	-188.5	2,584.3	0.00	0.00	0.00	
13,840.0	90.00	179.43	10,645.0	-2,583.1	-188.4	2,585.3	0.00	0.00	0.00	
13,841.0	90.00	179.43	10,645.0	-2,584.1	-188.4	2,586.3	0.00	0.00	0.00	
13,842.0	90.00	179.43	10,645.0	-2,585.1	-188.4	2,587.3	0.00	0.00	0.00	
13,843.0	90.00	179.43	10,645.0	-2,586.1	-188.4	2,588.3	0.00	0.00	0.00	
13,844.0	90.00	179.43	10,645.0	-2,587.1	-188.4	2,589.3	0.00	0.00	0.00	
13,845.0	90.00	179.43	10,645.0	-2,588.1	-188.4	2,590.3	0.00	0.00	0.00	
13,846.0	90.00	179.43	10,645.0	-2,589.1	-188.4	2,591.3	0.00	0.00	0.00	
13,847.0	90.00	179.43	10,645.0	-2,590.1	-188.4	2,592.3	0.00	0.00	0.00	
13,848.0	90.00	179.43	10,645.0	-2,591.1	-188.4	2,593.3	0.00	0.00	0.00	
13,849.0	90.00	179.43	10,645.0	-2,592.1	-188.4	2,594.3	0.00	0.00	0.00	
13,850.0	90.00	179.43	10,645.0	-2,593.1	-188.3	2,595.3	0.00	0.00	0.00	
13,851.0	90.00	179.43	10,645.0	-2,594.1	-188.3	2,596.3	0.00	0.00	0.00	
13,852.0	90.00	179.43	10,645.0	-2,595.1	-188.3	2,597.3	0.00	0.00	0.00	
13,853.0	90.00	179.43	10,645.0	-2,596.1	-188.3	2,598.3	0.00	0.00	0.00	
13,854.0	90.00	179.43	10,645.0	-2,597.1	-188.3	2,599.3	0.00	0.00	0.00	
13,855.0	90.00	179.43	10,645.0	-2,598.1	-188.3	2,600.3	0.00	0.00	0.00	
13,856.0	90.00	179.43	10,645.0	-2,599.1	-188.3	2,601.3	0.00	0.00	0.00	
13,857.0	90.00	179.43	10,645.0	-2,600.1	-188.3	2,602.3	0.00	0.00	0.00	
13,858.0	90.00	179.43	10,645.0	-2,601.1	-188.3	2,603.3	0.00	0.00	0.00	
13,859.0	90.00	179.43	10,645.0	-2,602.1	-188.3	2,604.3	0.00	0.00	0.00	
13,860.0	90.00	179.43	10,645.0	-2,603.1	-188.2	2,605.3	0.00	0.00	0.00	
13,861.0	90.00	179.43	10,645.0	-2,604.1	-188.2	2,606.3	0.00	0.00	0.00	
13,862.0	90.00	179.43	10,645.0	-2,605.1	-188.2	2,607.3	0.00	0.00	0.00	
13,863.0	90.00	179.43	10,645.0	-2,606.1	-188.2	2,608.3	0.00	0.00	0.00	
13,864.0	90.00	179.43	10,645.0	-2,607.1	-188.2	2,609.3	0.00	0.00	0.00	
13,865.0	90.00	179.43	10,645.0	-2,608.1	-188.2	2,610.3	0.00	0.00	0.00	
13,866.0	90.00	179.43	10,645.0	-2,609.1	-188.2	2,611.3	0.00	0.00	0.00	
13,867.0	90.00	179.43	10,645.0	-2,610.1	-188.2	2,612.3	0.00	0.00	0.00	
13,868.0	90.00	179.43	10,645.0	-2,611.1	-188.2	2,613.3	0.00	0.00	0.00	
13,869.0	90.00	179.43	10,645.0	-2,612.1	-188.2	2,614.3	0.00	0.00	0.00	
13,870.0	90.00	179.43	10,645.0	-2,613.1	-188.1	2,615.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,871.0	90.00	179.43	10,645.0	-2,614.1	-188.1	2,616.3	0.00	0.00	0.00	
13,872.0	90.00	179.43	10,645.0	-2,615.1	-188.1	2,617.3	0.00	0.00	0.00	
13,873.0	90.00	179.43	10,645.0	-2,616.1	-188.1	2,618.3	0.00	0.00	0.00	
13,874.0	90.00	179.43	10,645.0	-2,617.1	-188.1	2,619.3	0.00	0.00	0.00	
13,875.0	90.00	179.43	10,645.0	-2,618.1	-188.1	2,620.3	0.00	0.00	0.00	
13,876.0	90.00	179.43	10,645.0	-2,619.1	-188.1	2,621.3	0.00	0.00	0.00	
13,877.0	90.00	179.43	10,645.0	-2,620.1	-188.1	2,622.3	0.00	0.00	0.00	
13,878.0	90.00	179.43	10,645.0	-2,621.1	-188.1	2,623.3	0.00	0.00	0.00	
13,879.0	90.00	179.43	10,645.0	-2,622.1	-188.1	2,624.3	0.00	0.00	0.00	
13,880.0	90.00	179.43	10,645.0	-2,623.1	-188.0	2,625.3	0.00	0.00	0.00	
13,881.0	90.00	179.43	10,645.0	-2,624.1	-188.0	2,626.3	0.00	0.00	0.00	
13,882.0	90.00	179.43	10,645.0	-2,625.1	-188.0	2,627.3	0.00	0.00	0.00	
13,883.0	90.00	179.43	10,645.0	-2,626.1	-188.0	2,628.3	0.00	0.00	0.00	
13,884.0	90.00	179.43	10,645.0	-2,627.1	-188.0	2,629.3	0.00	0.00	0.00	
13,885.0	90.00	179.43	10,645.0	-2,628.1	-188.0	2,630.3	0.00	0.00	0.00	
13,886.0	90.00	179.43	10,645.0	-2,629.1	-188.0	2,631.3	0.00	0.00	0.00	
13,887.0	90.00	179.43	10,645.0	-2,630.1	-188.0	2,632.3	0.00	0.00	0.00	
13,888.0	90.00	179.43	10,645.0	-2,631.1	-188.0	2,633.3	0.00	0.00	0.00	
13,889.0	90.00	179.43	10,645.0	-2,632.1	-188.0	2,634.3	0.00	0.00	0.00	
13,890.0	90.00	179.43	10,645.0	-2,633.1	-187.9	2,635.3	0.00	0.00	0.00	
13,891.0	90.00	179.43	10,645.0	-2,634.1	-187.9	2,636.3	0.00	0.00	0.00	
13,892.0	90.00	179.43	10,645.0	-2,635.1	-187.9	2,637.3	0.00	0.00	0.00	
13,893.0	90.00	179.43	10,645.0	-2,636.1	-187.9	2,638.3	0.00	0.00	0.00	
13,894.0	90.00	179.43	10,645.0	-2,637.1	-187.9	2,639.3	0.00	0.00	0.00	
13,895.0	90.00	179.43	10,645.0	-2,638.1	-187.9	2,640.3	0.00	0.00	0.00	
13,896.0	90.00	179.43	10,645.0	-2,639.1	-187.9	2,641.3	0.00	0.00	0.00	
13,897.0	90.00	179.43	10,645.0	-2,640.1	-187.9	2,642.3	0.00	0.00	0.00	
13,898.0	90.00	179.43	10,645.0	-2,641.1	-187.9	2,643.3	0.00	0.00	0.00	
13,899.0	90.00	179.43	10,645.0	-2,642.1	-187.9	2,644.3	0.00	0.00	0.00	
13,900.0	90.00	179.43	10,645.0	-2,643.1	-187.8	2,645.3	0.05	0.00	0.05	
13,901.0	90.00	179.43	10,645.0	-2,644.1	-187.8	2,646.3	0.00	0.00	0.00	
13,902.0	90.00	179.43	10,645.0	-2,645.1	-187.8	2,647.3	0.00	0.00	0.00	
13,903.0	90.00	179.43	10,645.0	-2,646.1	-187.8	2,648.3	0.00	0.00	0.00	
13,904.0	90.00	179.43	10,645.0	-2,647.1	-187.8	2,649.3	0.00	0.00	0.00	
13,905.0	90.00	179.43	10,645.0	-2,648.1	-187.8	2,650.3	0.00	0.00	0.00	
13,906.0	90.00	179.43	10,645.0	-2,649.1	-187.8	2,651.2	0.00	0.00	0.00	
13,907.0	90.00	179.43	10,645.0	-2,650.1	-187.8	2,652.2	0.00	0.00	0.00	
13,908.0	90.00	179.43	10,645.0	-2,651.1	-187.8	2,653.2	0.00	0.00	0.00	
13,909.0	90.00	179.43	10,645.0	-2,652.1	-187.8	2,654.2	0.00	0.00	0.00	
13,910.0	90.00	179.43	10,645.0	-2,653.1	-187.7	2,655.2	0.00	0.00	0.00	
13,911.0	90.00	179.43	10,645.0	-2,654.1	-187.7	2,656.2	0.00	0.00	0.00	
13,912.0	90.00	179.43	10,645.0	-2,655.1	-187.7	2,657.2	0.00	0.00	0.00	
13,913.0	90.00	179.43	10,645.0	-2,656.1	-187.7	2,658.2	0.00	0.00	0.00	
13,914.0	90.00	179.43	10,645.0	-2,657.1	-187.7	2,659.2	0.00	0.00	0.00	
13,915.0	90.00	179.43	10,645.0	-2,658.1	-187.7	2,660.2	0.00	0.00	0.00	
13,916.0	90.00	179.43	10,645.0	-2,659.1	-187.7	2,661.2	0.00	0.00	0.00	
13,917.0	90.00	179.43	10,645.0	-2,660.1	-187.7	2,662.2	0.00	0.00	0.00	
13,918.0	90.00	179.43	10,645.0	-2,661.1	-187.7	2,663.2	0.00	0.00	0.00	
13,919.0	90.00	179.43	10,645.0	-2,662.1	-187.7	2,664.2	0.00	0.00	0.00	
13,920.0	90.00	179.43	10,645.0	-2,663.1	-187.7	2,665.2	0.00	0.00	0.00	
13,921.0	90.00	179.43	10,645.0	-2,664.1	-187.6	2,666.2	0.00	0.00	0.00	
13,922.0	90.00	179.43	10,645.0	-2,665.1	-187.6	2,667.2	0.00	0.00	0.00	
13,923.0	90.00	179.43	10,645.0	-2,666.1	-187.6	2,668.2	0.00	0.00	0.00	
13,924.0	90.00	179.43	10,645.0	-2,667.1	-187.6	2,669.2	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,925.0	90.00	179.43	10,645.0	-2,668.1	-187.6	2,670.2	0.00	0.00	0.00
13,926.0	90.00	179.43	10,645.0	-2,669.1	-187.6	2,671.2	0.00	0.00	0.00
13,927.0	90.00	179.43	10,645.0	-2,670.1	-187.6	2,672.2	0.00	0.00	0.00
13,928.0	90.00	179.43	10,645.0	-2,671.1	-187.6	2,673.2	0.00	0.00	0.00
13,929.0	90.00	179.43	10,645.0	-2,672.1	-187.6	2,674.2	0.00	0.00	0.00
13,930.0	90.00	179.43	10,645.0	-2,673.1	-187.6	2,675.2	0.00	0.00	0.00
13,931.0	90.00	179.43	10,645.0	-2,674.1	-187.5	2,676.2	0.00	0.00	0.00
13,932.0	90.00	179.43	10,645.0	-2,675.1	-187.5	2,677.2	0.00	0.00	0.00
13,933.0	90.00	179.43	10,645.0	-2,676.1	-187.5	2,678.2	0.00	0.00	0.00
13,934.0	90.00	179.43	10,645.0	-2,677.1	-187.5	2,679.2	0.00	0.00	0.00
13,935.0	90.00	179.43	10,645.0	-2,678.1	-187.5	2,680.2	0.00	0.00	0.00
13,936.0	90.00	179.43	10,645.0	-2,679.1	-187.5	2,681.2	0.00	0.00	0.00
13,937.0	90.00	179.43	10,645.0	-2,680.1	-187.5	2,682.2	0.00	0.00	0.00
13,938.0	90.00	179.43	10,645.0	-2,681.1	-187.5	2,683.2	0.00	0.00	0.00
13,939.0	90.00	179.43	10,645.0	-2,682.1	-187.5	2,684.2	0.00	0.00	0.00
13,940.0	90.00	179.43	10,645.0	-2,683.1	-187.5	2,685.2	0.00	0.00	0.00
13,941.0	90.00	179.43	10,645.0	-2,684.1	-187.4	2,686.2	0.00	0.00	0.00
13,942.0	90.00	179.43	10,645.0	-2,685.1	-187.4	2,687.2	0.00	0.00	0.00
13,943.0	90.00	179.43	10,645.0	-2,686.1	-187.4	2,688.2	0.00	0.00	0.00
13,944.0	90.00	179.43	10,645.0	-2,687.1	-187.4	2,689.2	0.00	0.00	0.00
13,945.0	90.00	179.43	10,645.0	-2,688.1	-187.4	2,690.2	0.00	0.00	0.00
13,946.0	90.00	179.43	10,645.0	-2,689.1	-187.4	2,691.2	0.00	0.00	0.00
13,947.0	90.00	179.43	10,645.0	-2,690.1	-187.4	2,692.2	0.00	0.00	0.00
13,948.0	90.00	179.43	10,645.0	-2,691.1	-187.4	2,693.2	0.00	0.00	0.00
13,949.0	90.00	179.43	10,645.0	-2,692.1	-187.4	2,694.2	0.00	0.00	0.00
13,950.0	90.00	179.43	10,645.0	-2,693.1	-187.4	2,695.2	0.00	0.00	0.00
13,951.0	90.00	179.43	10,645.0	-2,694.1	-187.3	2,696.2	0.00	0.00	0.00
13,952.0	90.00	179.43	10,645.0	-2,695.1	-187.3	2,697.2	0.00	0.00	0.00
13,953.0	90.00	179.43	10,645.0	-2,696.1	-187.3	2,698.2	0.00	0.00	0.00
13,954.0	90.00	179.43	10,645.0	-2,697.1	-187.3	2,699.2	0.00	0.00	0.00
13,955.0	90.00	179.43	10,645.0	-2,698.1	-187.3	2,700.2	0.00	0.00	0.00
13,956.0	90.00	179.43	10,645.0	-2,699.1	-187.3	2,701.2	0.00	0.00	0.00
13,957.0	90.00	179.43	10,645.0	-2,700.1	-187.3	2,702.2	0.00	0.00	0.00
13,958.0	90.00	179.43	10,645.0	-2,701.1	-187.3	2,703.2	0.00	0.00	0.00
13,959.0	90.00	179.43	10,645.0	-2,702.1	-187.3	2,704.2	0.00	0.00	0.00
13,960.0	90.00	179.43	10,645.0	-2,703.1	-187.3	2,705.2	0.00	0.00	0.00
13,961.0	90.00	179.43	10,645.0	-2,704.1	-187.2	2,706.2	0.00	0.00	0.00
13,962.0	90.00	179.43	10,645.0	-2,705.1	-187.2	2,707.2	0.00	0.00	0.00
13,963.0	90.00	179.43	10,645.0	-2,706.1	-187.2	2,708.2	0.00	0.00	0.00
13,964.0	90.00	179.43	10,645.0	-2,707.1	-187.2	2,709.2	0.00	0.00	0.00
13,965.0	90.00	179.43	10,645.0	-2,708.1	-187.2	2,710.2	0.00	0.00	0.00
13,966.0	90.00	179.43	10,645.0	-2,709.1	-187.2	2,711.2	0.00	0.00	0.00
13,967.0	90.00	179.43	10,645.0	-2,710.1	-187.2	2,712.2	0.00	0.00	0.00
13,968.0	90.00	179.43	10,645.0	-2,711.1	-187.2	2,713.2	0.00	0.00	0.00
13,969.0	90.00	179.43	10,645.0	-2,712.1	-187.2	2,714.2	0.00	0.00	0.00
13,970.0	90.00	179.43	10,645.0	-2,713.1	-187.2	2,715.2	0.00	0.00	0.00
13,971.0	90.00	179.43	10,645.0	-2,714.1	-187.1	2,716.2	0.00	0.00	0.00
13,972.0	90.00	179.43	10,645.0	-2,715.1	-187.1	2,717.2	0.00	0.00	0.00
13,973.0	90.00	179.43	10,645.0	-2,716.1	-187.1	2,718.2	0.00	0.00	0.00
13,974.0	90.00	179.43	10,645.0	-2,717.1	-187.1	2,719.2	0.00	0.00	0.00
13,975.0	90.00	179.43	10,645.0	-2,718.1	-187.1	2,720.2	0.00	0.00	0.00
13,976.0	90.00	179.43	10,645.0	-2,719.1	-187.1	2,721.2	0.00	0.00	0.00
13,977.0	90.00	179.43	10,645.0	-2,720.1	-187.1	2,722.2	0.00	0.00	0.00
13,978.0	90.00	179.43	10,645.0	-2,721.1	-187.1	2,723.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,979.0	90.00	179.43	10,645.0	-2,722.1	-187.1	2,724.2	0.00	0.00	0.00
13,980.0	90.00	179.43	10,645.0	-2,723.1	-187.1	2,725.2	0.00	0.00	0.00
13,981.0	90.00	179.43	10,645.0	-2,724.1	-187.0	2,726.2	0.00	0.00	0.00
13,982.0	90.00	179.43	10,645.0	-2,725.1	-187.0	2,727.2	0.00	0.00	0.00
13,983.0	90.00	179.43	10,645.0	-2,726.1	-187.0	2,728.2	0.00	0.00	0.00
13,984.0	90.00	179.43	10,645.0	-2,727.1	-187.0	2,729.2	0.00	0.00	0.00
13,985.0	90.00	179.43	10,645.0	-2,728.1	-187.0	2,730.2	0.00	0.00	0.00
13,986.0	90.00	179.43	10,645.0	-2,729.1	-187.0	2,731.2	0.00	0.00	0.00
13,987.0	90.00	179.43	10,645.0	-2,730.1	-187.0	2,732.2	0.00	0.00	0.00
13,988.0	90.00	179.43	10,645.0	-2,731.1	-187.0	2,733.2	0.00	0.00	0.00
13,989.0	90.00	179.43	10,645.0	-2,732.1	-187.0	2,734.2	0.00	0.00	0.00
13,990.0	90.00	179.43	10,645.0	-2,733.1	-187.0	2,735.2	0.00	0.00	0.00
13,991.0	90.00	179.43	10,645.0	-2,734.1	-186.9	2,736.2	0.00	0.00	0.00
13,992.0	90.00	179.43	10,645.0	-2,735.1	-186.9	2,737.2	0.00	0.00	0.00
13,993.0	90.00	179.43	10,645.0	-2,736.1	-186.9	2,738.2	0.00	0.00	0.00
13,994.0	90.00	179.43	10,645.0	-2,737.1	-186.9	2,739.2	0.00	0.00	0.00
13,995.0	90.00	179.43	10,645.0	-2,738.1	-186.9	2,740.2	0.00	0.00	0.00
13,996.0	90.00	179.43	10,645.0	-2,739.1	-186.9	2,741.2	0.00	0.00	0.00
13,997.0	90.00	179.43	10,645.0	-2,740.1	-186.9	2,742.2	0.00	0.00	0.00
13,998.0	90.00	179.43	10,645.0	-2,741.1	-186.9	2,743.2	0.00	0.00	0.00
13,999.0	90.00	179.43	10,645.0	-2,742.1	-186.9	2,744.2	0.00	0.00	0.00
14,000.0	90.00	179.43	10,645.0	-2,743.1	-186.9	2,745.2	0.05	0.00	0.05
14,001.0	90.00	179.43	10,645.0	-2,744.1	-186.8	2,746.2	0.00	0.00	0.00
14,002.0	90.00	179.43	10,645.0	-2,745.1	-186.8	2,747.2	0.00	0.00	0.00
14,003.0	90.00	179.43	10,645.0	-2,746.1	-186.8	2,748.2	0.00	0.00	0.00
14,004.0	90.00	179.43	10,645.0	-2,747.1	-186.8	2,749.2	0.00	0.00	0.00
14,005.0	90.00	179.43	10,645.0	-2,748.1	-186.8	2,750.2	0.00	0.00	0.00
14,006.0	90.00	179.43	10,645.0	-2,749.1	-186.8	2,751.2	0.00	0.00	0.00
14,007.0	90.00	179.43	10,645.0	-2,750.1	-186.8	2,752.2	0.00	0.00	0.00
14,008.0	90.00	179.43	10,645.0	-2,751.1	-186.8	2,753.2	0.00	0.00	0.00
14,009.0	90.00	179.43	10,645.0	-2,752.1	-186.8	2,754.2	0.00	0.00	0.00
14,010.0	90.00	179.43	10,645.0	-2,753.1	-186.8	2,755.2	0.00	0.00	0.00
14,011.0	90.00	179.43	10,645.0	-2,754.1	-186.8	2,756.2	0.00	0.00	0.00
14,012.0	90.00	179.43	10,645.0	-2,755.1	-186.7	2,757.2	0.00	0.00	0.00
14,013.0	90.00	179.43	10,645.0	-2,756.1	-186.7	2,758.2	0.00	0.00	0.00
14,014.0	90.00	179.43	10,645.0	-2,757.1	-186.7	2,759.2	0.00	0.00	0.00
14,015.0	90.00	179.43	10,645.0	-2,758.1	-186.7	2,760.2	0.00	0.00	0.00
14,016.0	90.00	179.43	10,645.0	-2,759.1	-186.7	2,761.2	0.00	0.00	0.00
14,017.0	90.00	179.43	10,645.0	-2,760.1	-186.7	2,762.2	0.00	0.00	0.00
14,018.0	90.00	179.43	10,645.0	-2,761.1	-186.7	2,763.2	0.00	0.00	0.00
14,019.0	90.00	179.43	10,645.0	-2,762.1	-186.7	2,764.2	0.00	0.00	0.00
14,020.0	90.00	179.43	10,645.0	-2,763.1	-186.7	2,765.2	0.00	0.00	0.00
14,021.0	90.00	179.43	10,645.0	-2,764.1	-186.7	2,766.2	0.00	0.00	0.00
14,022.0	90.00	179.43	10,645.0	-2,765.1	-186.6	2,767.2	0.00	0.00	0.00
14,023.0	90.00	179.43	10,645.0	-2,766.1	-186.6	2,768.2	0.00	0.00	0.00
14,024.0	90.00	179.43	10,645.0	-2,767.1	-186.6	2,769.2	0.00	0.00	0.00
14,025.0	90.00	179.43	10,645.0	-2,768.1	-186.6	2,770.2	0.00	0.00	0.00
14,026.0	90.00	179.43	10,645.0	-2,769.1	-186.6	2,771.2	0.00	0.00	0.00
14,027.0	90.00	179.43	10,645.0	-2,770.1	-186.6	2,772.2	0.00	0.00	0.00
14,028.0	90.00	179.43	10,645.0	-2,771.1	-186.6	2,773.2	0.00	0.00	0.00
14,029.0	90.00	179.43	10,645.0	-2,772.1	-186.6	2,774.2	0.00	0.00	0.00
14,030.0	90.00	179.43	10,645.0	-2,773.1	-186.6	2,775.2	0.00	0.00	0.00
14,031.0	90.00	179.43	10,645.0	-2,774.1	-186.6	2,776.2	0.00	0.00	0.00
14,032.0	90.00	179.43	10,645.0	-2,775.1	-186.5	2,777.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,033.0	90.00	179.43	10,645.0	-2,776.1	-186.5	2,778.2	0.00	0.00	0.00
14,034.0	90.00	179.43	10,645.0	-2,777.1	-186.5	2,779.2	0.00	0.00	0.00
14,035.0	90.00	179.43	10,645.0	-2,778.1	-186.5	2,780.2	0.00	0.00	0.00
14,036.0	90.00	179.43	10,645.0	-2,779.1	-186.5	2,781.2	0.00	0.00	0.00
14,037.0	90.00	179.43	10,645.0	-2,780.1	-186.5	2,782.2	0.00	0.00	0.00
14,038.0	90.00	179.43	10,645.0	-2,781.1	-186.5	2,783.2	0.00	0.00	0.00
14,039.0	90.00	179.43	10,645.0	-2,782.1	-186.5	2,784.2	0.00	0.00	0.00
14,040.0	90.00	179.43	10,645.0	-2,783.1	-186.5	2,785.2	0.00	0.00	0.00
14,041.0	90.00	179.43	10,645.0	-2,784.1	-186.5	2,786.2	0.00	0.00	0.00
14,042.0	90.00	179.43	10,645.0	-2,785.1	-186.4	2,787.2	0.00	0.00	0.00
14,043.0	90.00	179.43	10,645.0	-2,786.1	-186.4	2,788.2	0.00	0.00	0.00
14,044.0	90.00	179.43	10,645.0	-2,787.1	-186.4	2,789.2	0.00	0.00	0.00
14,045.0	90.00	179.43	10,645.0	-2,788.1	-186.4	2,790.2	0.00	0.00	0.00
14,046.0	90.00	179.43	10,645.0	-2,789.1	-186.4	2,791.2	0.00	0.00	0.00
14,047.0	90.00	179.43	10,645.0	-2,790.1	-186.4	2,792.2	0.00	0.00	0.00
14,048.0	90.00	179.43	10,645.0	-2,791.1	-186.4	2,793.2	0.00	0.00	0.00
14,049.0	90.00	179.43	10,645.0	-2,792.1	-186.4	2,794.2	0.00	0.00	0.00
14,050.0	90.00	179.43	10,645.0	-2,793.1	-186.4	2,795.2	0.00	0.00	0.00
14,051.0	90.00	179.43	10,645.0	-2,794.1	-186.4	2,796.2	0.00	0.00	0.00
14,052.0	90.00	179.43	10,645.0	-2,795.1	-186.3	2,797.2	0.00	0.00	0.00
14,053.0	90.00	179.43	10,645.0	-2,796.1	-186.3	2,798.2	0.00	0.00	0.00
14,054.0	90.00	179.43	10,645.0	-2,797.1	-186.3	2,799.2	0.00	0.00	0.00
14,055.0	90.00	179.43	10,645.0	-2,798.1	-186.3	2,800.2	0.00	0.00	0.00
14,056.0	90.00	179.43	10,645.0	-2,799.1	-186.3	2,801.2	0.00	0.00	0.00
14,057.0	90.00	179.43	10,645.0	-2,800.1	-186.3	2,802.2	0.00	0.00	0.00
14,058.0	90.00	179.43	10,645.0	-2,801.1	-186.3	2,803.2	0.00	0.00	0.00
14,059.0	90.00	179.43	10,645.0	-2,802.1	-186.3	2,804.2	0.00	0.00	0.00
14,060.0	90.00	179.43	10,645.0	-2,803.1	-186.3	2,805.2	0.00	0.00	0.00
14,061.0	90.00	179.43	10,645.0	-2,804.1	-186.3	2,806.2	0.00	0.00	0.00
14,062.0	90.00	179.43	10,645.0	-2,805.1	-186.2	2,807.2	0.00	0.00	0.00
14,063.0	90.00	179.43	10,645.0	-2,806.1	-186.2	2,808.2	0.00	0.00	0.00
14,064.0	90.00	179.43	10,645.0	-2,807.1	-186.2	2,809.2	0.00	0.00	0.00
14,065.0	90.00	179.43	10,645.0	-2,808.1	-186.2	2,810.2	0.00	0.00	0.00
14,066.0	90.00	179.43	10,645.0	-2,809.1	-186.2	2,811.2	0.00	0.00	0.00
14,067.0	90.00	179.43	10,645.0	-2,810.1	-186.2	2,812.2	0.00	0.00	0.00
14,068.0	90.00	179.43	10,645.0	-2,811.1	-186.2	2,813.2	0.00	0.00	0.00
14,069.0	90.00	179.43	10,645.0	-2,812.1	-186.2	2,814.2	0.00	0.00	0.00
14,070.0	90.00	179.43	10,645.0	-2,813.1	-186.2	2,815.2	0.00	0.00	0.00
14,071.0	90.00	179.43	10,645.0	-2,814.1	-186.2	2,816.2	0.00	0.00	0.00
14,072.0	90.00	179.43	10,645.0	-2,815.1	-186.1	2,817.2	0.00	0.00	0.00
14,073.0	90.00	179.43	10,645.0	-2,816.1	-186.1	2,818.2	0.00	0.00	0.00
14,074.0	90.00	179.43	10,645.0	-2,817.1	-186.1	2,819.2	0.00	0.00	0.00
14,075.0	90.00	179.43	10,645.0	-2,818.1	-186.1	2,820.2	0.00	0.00	0.00
14,076.0	90.00	179.43	10,645.0	-2,819.1	-186.1	2,821.2	0.00	0.00	0.00
14,077.0	90.00	179.43	10,645.0	-2,820.1	-186.1	2,822.2	0.00	0.00	0.00
14,078.0	90.00	179.43	10,645.0	-2,821.1	-186.1	2,823.2	0.00	0.00	0.00
14,079.0	90.00	179.43	10,645.0	-2,822.1	-186.1	2,824.2	0.00	0.00	0.00
14,080.0	90.00	179.43	10,645.0	-2,823.1	-186.1	2,825.2	0.00	0.00	0.00
14,081.0	90.00	179.43	10,645.0	-2,824.1	-186.1	2,826.2	0.00	0.00	0.00
14,082.0	90.00	179.43	10,645.0	-2,825.1	-186.0	2,827.2	0.00	0.00	0.00
14,083.0	90.00	179.43	10,645.0	-2,826.1	-186.0	2,828.2	0.00	0.00	0.00
14,084.0	90.00	179.43	10,645.0	-2,827.1	-186.0	2,829.2	0.00	0.00	0.00
14,085.0	90.00	179.43	10,645.0	-2,828.1	-186.0	2,830.2	0.00	0.00	0.00
14,086.0	90.00	179.43	10,645.0	-2,829.1	-186.0	2,831.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,087.0	90.00	179.43	10,645.0	-2,830.1	-186.0	2,832.2	0.00	0.00	0.00
14,088.0	90.00	179.43	10,645.0	-2,831.1	-186.0	2,833.2	0.00	0.00	0.00
14,089.0	90.00	179.43	10,645.0	-2,832.1	-186.0	2,834.2	0.00	0.00	0.00
14,090.0	90.00	179.43	10,645.0	-2,833.1	-186.0	2,835.2	0.00	0.00	0.00
14,091.0	90.00	179.43	10,645.0	-2,834.1	-186.0	2,836.2	0.00	0.00	0.00
14,092.0	90.00	179.43	10,645.0	-2,835.1	-186.0	2,837.2	0.00	0.00	0.00
14,093.0	90.00	179.43	10,645.0	-2,836.1	-185.9	2,838.2	0.00	0.00	0.00
14,094.0	90.00	179.43	10,645.0	-2,837.1	-185.9	2,839.2	0.00	0.00	0.00
14,095.0	90.00	179.43	10,645.0	-2,838.1	-185.9	2,840.2	0.00	0.00	0.00
14,096.0	90.00	179.43	10,645.0	-2,839.1	-185.9	2,841.2	0.00	0.00	0.00
14,097.0	90.00	179.43	10,645.0	-2,840.1	-185.9	2,842.2	0.00	0.00	0.00
14,098.0	90.00	179.43	10,645.0	-2,841.1	-185.9	2,843.2	0.00	0.00	0.00
14,099.0	90.00	179.43	10,645.0	-2,842.1	-185.9	2,844.2	0.00	0.00	0.00
14,100.0	90.00	179.43	10,645.0	-2,843.1	-185.9	2,845.2	0.05	0.00	0.05
14,101.0	90.00	179.43	10,645.0	-2,844.1	-185.9	2,846.2	0.00	0.00	0.00
14,102.0	90.00	179.43	10,645.0	-2,845.1	-185.9	2,847.2	0.00	0.00	0.00
14,103.0	90.00	179.43	10,645.0	-2,846.1	-185.8	2,848.2	0.00	0.00	0.00
14,104.0	90.00	179.43	10,645.0	-2,847.1	-185.8	2,849.2	0.00	0.00	0.00
14,105.0	90.00	179.43	10,645.0	-2,848.1	-185.8	2,850.2	0.00	0.00	0.00
14,106.0	90.00	179.43	10,645.0	-2,849.1	-185.8	2,851.2	0.00	0.00	0.00
14,107.0	90.00	179.43	10,645.0	-2,850.1	-185.8	2,852.2	0.00	0.00	0.00
14,108.0	90.00	179.43	10,645.0	-2,851.1	-185.8	2,853.2	0.00	0.00	0.00
14,109.0	90.00	179.43	10,645.0	-2,852.1	-185.8	2,854.2	0.00	0.00	0.00
14,110.0	90.00	179.43	10,645.0	-2,853.1	-185.8	2,855.2	0.00	0.00	0.00
14,111.0	90.00	179.43	10,645.0	-2,854.1	-185.8	2,856.2	0.00	0.00	0.00
14,112.0	90.00	179.43	10,645.0	-2,855.1	-185.8	2,857.2	0.00	0.00	0.00
14,113.0	90.00	179.43	10,645.0	-2,856.1	-185.7	2,858.2	0.00	0.00	0.00
14,114.0	90.00	179.43	10,645.0	-2,857.1	-185.7	2,859.2	0.00	0.00	0.00
14,115.0	90.00	179.43	10,645.0	-2,858.1	-185.7	2,860.2	0.00	0.00	0.00
14,116.0	90.00	179.43	10,645.0	-2,859.1	-185.7	2,861.2	0.00	0.00	0.00
14,117.0	90.00	179.43	10,645.0	-2,860.1	-185.7	2,862.2	0.00	0.00	0.00
14,118.0	90.00	179.43	10,645.0	-2,861.1	-185.7	2,863.2	0.00	0.00	0.00
14,119.0	90.00	179.43	10,645.0	-2,862.1	-185.7	2,864.2	0.00	0.00	0.00
14,120.0	90.00	179.43	10,645.0	-2,863.1	-185.7	2,865.2	0.00	0.00	0.00
14,121.0	90.00	179.43	10,645.0	-2,864.1	-185.7	2,866.2	0.00	0.00	0.00
14,122.0	90.00	179.43	10,645.0	-2,865.1	-185.7	2,867.2	0.00	0.00	0.00
14,123.0	90.00	179.43	10,645.0	-2,866.1	-185.6	2,868.2	0.00	0.00	0.00
14,124.0	90.00	179.43	10,645.0	-2,867.1	-185.6	2,869.2	0.00	0.00	0.00
14,125.0	90.00	179.43	10,645.0	-2,868.1	-185.6	2,870.2	0.00	0.00	0.00
14,126.0	90.00	179.43	10,645.0	-2,869.1	-185.6	2,871.2	0.00	0.00	0.00
14,127.0	90.00	179.43	10,645.0	-2,870.1	-185.6	2,872.2	0.00	0.00	0.00
14,128.0	90.00	179.43	10,645.0	-2,871.1	-185.6	2,873.2	0.00	0.00	0.00
14,129.0	90.00	179.43	10,645.0	-2,872.1	-185.6	2,874.2	0.00	0.00	0.00
14,130.0	90.00	179.43	10,645.0	-2,873.1	-185.6	2,875.2	0.00	0.00	0.00
14,131.0	90.00	179.43	10,645.0	-2,874.1	-185.6	2,876.2	0.00	0.00	0.00
14,132.0	90.00	179.43	10,645.0	-2,875.1	-185.6	2,877.2	0.00	0.00	0.00
14,133.0	90.00	179.43	10,645.0	-2,876.1	-185.5	2,878.2	0.00	0.00	0.00
14,134.0	90.00	179.43	10,645.0	-2,877.1	-185.5	2,879.2	0.00	0.00	0.00
14,135.0	90.00	179.43	10,645.0	-2,878.1	-185.5	2,880.2	0.00	0.00	0.00
14,136.0	90.00	179.43	10,645.0	-2,879.1	-185.5	2,881.2	0.00	0.00	0.00
14,137.0	90.00	179.43	10,645.0	-2,880.1	-185.5	2,882.2	0.00	0.00	0.00
14,138.0	90.00	179.43	10,645.0	-2,881.1	-185.5	2,883.2	0.00	0.00	0.00
14,139.0	90.00	179.43	10,645.0	-2,882.1	-185.5	2,884.2	0.00	0.00	0.00
14,140.0	90.00	179.43	10,645.0	-2,883.1	-185.5	2,885.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,141.0	90.00	179.43	10,645.0	-2,884.1	-185.5	2,886.2	0.00	0.00	0.00	
14,142.0	90.00	179.43	10,645.0	-2,885.1	-185.5	2,887.2	0.00	0.00	0.00	
14,143.0	90.00	179.43	10,645.0	-2,886.1	-185.4	2,888.2	0.00	0.00	0.00	
14,144.0	90.00	179.43	10,645.0	-2,887.1	-185.4	2,889.2	0.00	0.00	0.00	
14,145.0	90.00	179.43	10,645.0	-2,888.1	-185.4	2,890.2	0.00	0.00	0.00	
14,146.0	90.00	179.43	10,645.0	-2,889.1	-185.4	2,891.2	0.00	0.00	0.00	
14,147.0	90.00	179.43	10,645.0	-2,890.1	-185.4	2,892.2	0.00	0.00	0.00	
14,148.0	90.00	179.43	10,645.0	-2,891.1	-185.4	2,893.2	0.00	0.00	0.00	
14,149.0	90.00	179.43	10,645.0	-2,892.1	-185.4	2,894.2	0.00	0.00	0.00	
14,150.0	90.00	179.43	10,645.0	-2,893.1	-185.4	2,895.2	0.00	0.00	0.00	
14,151.0	90.00	179.43	10,645.0	-2,894.1	-185.4	2,896.2	0.00	0.00	0.00	
14,152.0	90.00	179.43	10,645.0	-2,895.1	-185.4	2,897.2	0.00	0.00	0.00	
14,153.0	90.00	179.43	10,645.0	-2,896.1	-185.3	2,898.2	0.00	0.00	0.00	
14,154.0	90.00	179.43	10,645.0	-2,897.1	-185.3	2,899.2	0.00	0.00	0.00	
14,155.0	90.00	179.43	10,645.0	-2,898.1	-185.3	2,900.2	0.00	0.00	0.00	
14,156.0	90.00	179.43	10,645.0	-2,899.1	-185.3	2,901.2	0.00	0.00	0.00	
14,157.0	90.00	179.43	10,645.0	-2,900.1	-185.3	2,902.2	0.00	0.00	0.00	
14,158.0	90.00	179.43	10,645.0	-2,901.1	-185.3	2,903.2	0.00	0.00	0.00	
14,159.0	90.00	179.43	10,645.0	-2,902.1	-185.3	2,904.2	0.00	0.00	0.00	
14,160.0	90.00	179.43	10,645.0	-2,903.1	-185.3	2,905.2	0.00	0.00	0.00	
14,161.0	90.00	179.43	10,645.0	-2,904.1	-185.3	2,906.2	0.00	0.00	0.00	
14,162.0	90.00	179.43	10,645.0	-2,905.1	-185.3	2,907.2	0.00	0.00	0.00	
14,163.0	90.00	179.43	10,645.0	-2,906.1	-185.3	2,908.2	0.00	0.00	0.00	
14,164.0	90.00	179.43	10,645.0	-2,907.1	-185.2	2,909.2	0.00	0.00	0.00	
14,165.0	90.00	179.43	10,645.0	-2,908.1	-185.2	2,910.2	0.00	0.00	0.00	
14,166.0	90.00	179.43	10,645.0	-2,909.1	-185.2	2,911.2	0.00	0.00	0.00	
14,167.0	90.00	179.43	10,645.0	-2,910.1	-185.2	2,912.2	0.00	0.00	0.00	
14,168.0	90.00	179.43	10,645.0	-2,911.1	-185.2	2,913.2	0.00	0.00	0.00	
14,169.0	90.00	179.43	10,645.0	-2,912.1	-185.2	2,914.2	0.00	0.00	0.00	
14,170.0	90.00	179.43	10,645.0	-2,913.1	-185.2	2,915.2	0.00	0.00	0.00	
14,171.0	90.00	179.43	10,645.0	-2,914.1	-185.2	2,916.2	0.00	0.00	0.00	
14,172.0	90.00	179.43	10,645.0	-2,915.1	-185.2	2,917.2	0.00	0.00	0.00	
14,173.0	90.00	179.43	10,645.0	-2,916.1	-185.2	2,918.2	0.00	0.00	0.00	
14,174.0	90.00	179.43	10,645.0	-2,917.1	-185.1	2,919.2	0.00	0.00	0.00	
14,175.0	90.00	179.43	10,645.0	-2,918.1	-185.1	2,920.2	0.00	0.00	0.00	
14,176.0	90.00	179.43	10,645.0	-2,919.1	-185.1	2,921.2	0.00	0.00	0.00	
14,177.0	90.00	179.43	10,645.0	-2,920.1	-185.1	2,922.2	0.00	0.00	0.00	
14,178.0	90.00	179.43	10,645.0	-2,921.1	-185.1	2,923.2	0.00	0.00	0.00	
14,179.0	90.00	179.43	10,645.0	-2,922.1	-185.1	2,924.2	0.00	0.00	0.00	
14,180.0	90.00	179.43	10,645.0	-2,923.1	-185.1	2,925.2	0.00	0.00	0.00	
14,181.0	90.00	179.43	10,645.0	-2,924.1	-185.1	2,926.2	0.00	0.00	0.00	
14,182.0	90.00	179.43	10,645.0	-2,925.1	-185.1	2,927.2	0.00	0.00	0.00	
14,183.0	90.00	179.43	10,645.0	-2,926.1	-185.1	2,928.2	0.00	0.00	0.00	
14,184.0	90.00	179.43	10,645.0	-2,927.1	-185.0	2,929.2	0.00	0.00	0.00	
14,185.0	90.00	179.43	10,645.0	-2,928.1	-185.0	2,930.2	0.00	0.00	0.00	
14,186.0	90.00	179.43	10,645.0	-2,929.1	-185.0	2,931.2	0.00	0.00	0.00	
14,187.0	90.00	179.43	10,645.0	-2,930.1	-185.0	2,932.2	0.00	0.00	0.00	
14,188.0	90.00	179.43	10,645.0	-2,931.1	-185.0	2,933.2	0.00	0.00	0.00	
14,189.0	90.00	179.43	10,645.0	-2,932.1	-185.0	2,934.2	0.00	0.00	0.00	
14,190.0	90.00	179.43	10,645.0	-2,933.1	-185.0	2,935.2	0.00	0.00	0.00	
14,191.0	90.00	179.43	10,645.0	-2,934.1	-185.0	2,936.2	0.00	0.00	0.00	
14,192.0	90.00	179.43	10,645.0	-2,935.1	-185.0	2,937.2	0.00	0.00	0.00	
14,193.0	90.00	179.43	10,645.0	-2,936.1	-185.0	2,938.2	0.00	0.00	0.00	
14,194.0	90.00	179.43	10,645.0	-2,937.1	-184.9	2,939.2	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,195.0	90.00	179.43	10,645.0	-2,938.1	-184.9	2,940.2	0.00	0.00	0.00
14,196.0	90.00	179.43	10,645.0	-2,939.1	-184.9	2,941.2	0.00	0.00	0.00
14,197.0	90.00	179.43	10,645.0	-2,940.1	-184.9	2,942.2	0.00	0.00	0.00
14,198.0	90.00	179.43	10,645.0	-2,941.1	-184.9	2,943.2	0.00	0.00	0.00
14,199.0	90.00	179.43	10,645.0	-2,942.1	-184.9	2,944.2	0.00	0.00	0.00
14,200.0	90.00	179.43	10,645.0	-2,943.1	-184.9	2,945.2	0.05	0.00	0.05
14,201.0	90.00	179.43	10,645.0	-2,944.1	-184.9	2,946.2	0.00	0.00	0.00
14,202.0	90.00	179.43	10,645.0	-2,945.1	-184.9	2,947.2	0.00	0.00	0.00
14,203.0	90.00	179.43	10,645.0	-2,946.1	-184.9	2,948.2	0.00	0.00	0.00
14,204.0	90.00	179.43	10,645.0	-2,947.1	-184.8	2,949.2	0.00	0.00	0.00
14,205.0	90.00	179.43	10,645.0	-2,948.1	-184.8	2,950.2	0.00	0.00	0.00
14,206.0	90.00	179.43	10,645.0	-2,949.1	-184.8	2,951.2	0.00	0.00	0.00
14,207.0	90.00	179.43	10,645.0	-2,950.1	-184.8	2,952.2	0.00	0.00	0.00
14,208.0	90.00	179.43	10,645.0	-2,951.1	-184.8	2,953.2	0.00	0.00	0.00
14,209.0	90.00	179.43	10,645.0	-2,952.1	-184.8	2,954.2	0.00	0.00	0.00
14,210.0	90.00	179.43	10,645.0	-2,953.1	-184.8	2,955.2	0.00	0.00	0.00
14,211.0	90.00	179.43	10,645.0	-2,954.1	-184.8	2,956.2	0.00	0.00	0.00
14,212.0	90.00	179.43	10,645.0	-2,955.1	-184.8	2,957.2	0.00	0.00	0.00
14,213.0	90.00	179.43	10,645.0	-2,956.1	-184.8	2,958.2	0.00	0.00	0.00
14,214.0	90.00	179.43	10,645.0	-2,957.1	-184.7	2,959.2	0.00	0.00	0.00
14,215.0	90.00	179.43	10,645.0	-2,958.1	-184.7	2,960.2	0.00	0.00	0.00
14,216.0	90.00	179.43	10,645.0	-2,959.1	-184.7	2,961.2	0.00	0.00	0.00
14,217.0	90.00	179.43	10,645.0	-2,960.1	-184.7	2,962.2	0.00	0.00	0.00
14,218.0	90.00	179.43	10,645.0	-2,961.1	-184.7	2,963.2	0.00	0.00	0.00
14,219.0	90.00	179.43	10,645.0	-2,962.1	-184.7	2,964.2	0.00	0.00	0.00
14,220.0	90.00	179.43	10,645.0	-2,963.1	-184.7	2,965.2	0.00	0.00	0.00
14,221.0	90.00	179.43	10,645.0	-2,964.1	-184.7	2,966.2	0.00	0.00	0.00
14,222.0	90.00	179.43	10,645.0	-2,965.1	-184.7	2,967.2	0.00	0.00	0.00
14,223.0	90.00	179.43	10,645.0	-2,966.1	-184.7	2,968.2	0.00	0.00	0.00
14,224.0	90.00	179.43	10,645.0	-2,967.1	-184.6	2,969.2	0.00	0.00	0.00
14,225.0	90.00	179.43	10,645.0	-2,968.1	-184.6	2,970.2	0.00	0.00	0.00
14,226.0	90.00	179.43	10,645.0	-2,969.1	-184.6	2,971.2	0.00	0.00	0.00
14,227.0	90.00	179.43	10,645.0	-2,970.1	-184.6	2,972.2	0.00	0.00	0.00
14,228.0	90.00	179.43	10,645.0	-2,971.1	-184.6	2,973.2	0.00	0.00	0.00
14,229.0	90.00	179.43	10,645.0	-2,972.1	-184.6	2,974.2	0.00	0.00	0.00
14,230.0	90.00	179.43	10,645.0	-2,973.1	-184.6	2,975.2	0.00	0.00	0.00
14,231.0	90.00	179.43	10,645.0	-2,974.1	-184.6	2,976.2	0.00	0.00	0.00
14,232.0	90.00	179.43	10,645.0	-2,975.1	-184.6	2,977.2	0.00	0.00	0.00
14,233.0	90.00	179.43	10,645.0	-2,976.1	-184.6	2,978.2	0.00	0.00	0.00
14,234.0	90.00	179.43	10,645.0	-2,977.1	-184.6	2,979.2	0.00	0.00	0.00
14,235.0	90.00	179.43	10,645.0	-2,978.1	-184.5	2,980.2	0.00	0.00	0.00
14,236.0	90.00	179.43	10,645.0	-2,979.1	-184.5	2,981.2	0.00	0.00	0.00
14,237.0	90.00	179.43	10,645.0	-2,980.1	-184.5	2,982.2	0.00	0.00	0.00
14,238.0	90.00	179.43	10,645.0	-2,981.1	-184.5	2,983.2	0.00	0.00	0.00
14,239.0	90.00	179.43	10,645.0	-2,982.1	-184.5	2,984.2	0.00	0.00	0.00
14,240.0	90.00	179.43	10,645.0	-2,983.1	-184.5	2,985.2	0.00	0.00	0.00
14,241.0	90.00	179.43	10,645.0	-2,984.1	-184.5	2,986.2	0.00	0.00	0.00
14,242.0	90.00	179.43	10,645.0	-2,985.1	-184.5	2,987.2	0.00	0.00	0.00
14,243.0	90.00	179.43	10,645.0	-2,986.1	-184.5	2,988.2	0.00	0.00	0.00
14,244.0	90.00	179.43	10,645.0	-2,987.1	-184.5	2,989.2	0.00	0.00	0.00
14,245.0	90.00	179.43	10,645.0	-2,988.1	-184.4	2,990.2	0.00	0.00	0.00
14,246.0	90.00	179.43	10,645.0	-2,989.1	-184.4	2,991.2	0.00	0.00	0.00
14,247.0	90.00	179.43	10,645.0	-2,990.1	-184.4	2,992.2	0.00	0.00	0.00
14,248.0	90.00	179.43	10,645.0	-2,991.1	-184.4	2,993.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,249.0	90.00	179.43	10,645.0	-2,992.1	-184.4	2,994.2	0.00	0.00	0.00
14,250.0	90.00	179.43	10,645.0	-2,993.1	-184.4	2,995.2	0.00	0.00	0.00
14,251.0	90.00	179.43	10,645.0	-2,994.1	-184.4	2,996.2	0.00	0.00	0.00
14,252.0	90.00	179.43	10,645.0	-2,995.1	-184.4	2,997.2	0.00	0.00	0.00
14,253.0	90.00	179.43	10,645.0	-2,996.1	-184.4	2,998.2	0.00	0.00	0.00
14,254.0	90.00	179.43	10,645.0	-2,997.1	-184.4	2,999.2	0.00	0.00	0.00
14,255.0	90.00	179.43	10,645.0	-2,998.1	-184.3	3,000.2	0.00	0.00	0.00
14,256.0	90.00	179.43	10,645.0	-2,999.1	-184.3	3,001.2	0.00	0.00	0.00
14,257.0	90.00	179.43	10,645.0	-3,000.1	-184.3	3,002.2	0.00	0.00	0.00
14,258.0	90.00	179.43	10,645.0	-3,001.1	-184.3	3,003.2	0.00	0.00	0.00
14,259.0	90.00	179.43	10,645.0	-3,002.1	-184.3	3,004.2	0.00	0.00	0.00
14,260.0	90.00	179.43	10,645.0	-3,003.1	-184.3	3,005.2	0.00	0.00	0.00
14,261.0	90.00	179.43	10,645.0	-3,004.1	-184.3	3,006.2	0.00	0.00	0.00
14,262.0	90.00	179.43	10,645.0	-3,005.1	-184.3	3,007.2	0.00	0.00	0.00
14,263.0	90.00	179.43	10,645.0	-3,006.1	-184.3	3,008.2	0.00	0.00	0.00
14,264.0	90.00	179.43	10,645.0	-3,007.1	-184.3	3,009.2	0.00	0.00	0.00
14,265.0	90.00	179.43	10,645.0	-3,008.1	-184.2	3,010.2	0.00	0.00	0.00
14,266.0	90.00	179.43	10,645.0	-3,009.1	-184.2	3,011.2	0.00	0.00	0.00
14,267.0	90.00	179.43	10,645.0	-3,010.1	-184.2	3,012.2	0.00	0.00	0.00
14,268.0	90.00	179.43	10,645.0	-3,011.1	-184.2	3,013.2	0.00	0.00	0.00
14,269.0	90.00	179.43	10,645.0	-3,012.1	-184.2	3,014.2	0.00	0.00	0.00
14,270.0	90.00	179.43	10,645.0	-3,013.1	-184.2	3,015.2	0.00	0.00	0.00
14,271.0	90.00	179.43	10,645.0	-3,014.1	-184.2	3,016.2	0.00	0.00	0.00
14,272.0	90.00	179.43	10,645.0	-3,015.1	-184.2	3,017.2	0.00	0.00	0.00
14,273.0	90.00	179.43	10,645.0	-3,016.1	-184.2	3,018.2	0.00	0.00	0.00
14,274.0	90.00	179.43	10,645.0	-3,017.1	-184.2	3,019.2	0.00	0.00	0.00
14,275.0	90.00	179.43	10,645.0	-3,018.1	-184.1	3,020.2	0.00	0.00	0.00
14,276.0	90.00	179.43	10,645.0	-3,019.1	-184.1	3,021.2	0.00	0.00	0.00
14,277.0	90.00	179.43	10,645.0	-3,020.1	-184.1	3,022.2	0.00	0.00	0.00
14,278.0	90.00	179.43	10,645.0	-3,021.1	-184.1	3,023.2	0.00	0.00	0.00
14,279.0	90.00	179.43	10,645.0	-3,022.1	-184.1	3,024.2	0.00	0.00	0.00
14,280.0	90.00	179.43	10,645.0	-3,023.1	-184.1	3,025.2	0.00	0.00	0.00
14,281.0	90.00	179.43	10,645.0	-3,024.1	-184.1	3,026.2	0.00	0.00	0.00
14,282.0	90.00	179.43	10,645.0	-3,025.1	-184.1	3,027.2	0.00	0.00	0.00
14,283.0	90.00	179.43	10,645.0	-3,026.1	-184.1	3,028.2	0.00	0.00	0.00
14,284.0	90.00	179.43	10,645.0	-3,027.1	-184.1	3,029.2	0.00	0.00	0.00
14,285.0	90.00	179.43	10,645.0	-3,028.1	-184.0	3,030.2	0.00	0.00	0.00
14,286.0	90.00	179.43	10,645.0	-3,029.1	-184.0	3,031.2	0.00	0.00	0.00
14,287.0	90.00	179.43	10,645.0	-3,030.1	-184.0	3,032.2	0.00	0.00	0.00
14,288.0	90.00	179.43	10,645.0	-3,031.1	-184.0	3,033.2	0.00	0.00	0.00
14,289.0	90.00	179.43	10,645.0	-3,032.1	-184.0	3,034.2	0.00	0.00	0.00
14,290.0	90.00	179.43	10,645.0	-3,033.1	-184.0	3,035.2	0.00	0.00	0.00
14,291.0	90.00	179.43	10,645.0	-3,034.1	-184.0	3,036.2	0.00	0.00	0.00
14,292.0	90.00	179.43	10,645.0	-3,035.1	-184.0	3,037.2	0.00	0.00	0.00
14,293.0	90.00	179.43	10,645.0	-3,036.1	-184.0	3,038.2	0.00	0.00	0.00
14,294.0	90.00	179.43	10,645.0	-3,037.1	-184.0	3,039.2	0.00	0.00	0.00
14,295.0	90.00	179.43	10,645.0	-3,038.1	-183.9	3,040.2	0.00	0.00	0.00
14,296.0	90.00	179.43	10,645.0	-3,039.1	-183.9	3,041.2	0.00	0.00	0.00
14,297.0	90.00	179.43	10,645.0	-3,040.1	-183.9	3,042.2	0.00	0.00	0.00
14,298.0	90.00	179.43	10,645.0	-3,041.1	-183.9	3,043.2	0.00	0.00	0.00
14,299.0	90.00	179.43	10,645.0	-3,042.1	-183.9	3,044.2	0.00	0.00	0.00
14,300.0	90.00	179.44	10,645.0	-3,043.1	-183.9	3,045.2	0.05	0.00	0.05
14,301.0	90.00	179.44	10,645.0	-3,044.1	-183.9	3,046.2	0.00	0.00	0.00
14,302.0	90.00	179.44	10,645.0	-3,045.1	-183.9	3,047.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,303.0	90.00	179.44	10,645.0	-3,046.1	-183.9	3,048.1	0.00	0.00	0.00
14,304.0	90.00	179.44	10,645.0	-3,047.1	-183.9	3,049.1	0.00	0.00	0.00
14,305.0	90.00	179.44	10,645.0	-3,048.1	-183.9	3,050.1	0.00	0.00	0.00
14,306.0	90.00	179.44	10,645.0	-3,049.1	-183.8	3,051.1	0.00	0.00	0.00
14,307.0	90.00	179.44	10,645.0	-3,050.1	-183.8	3,052.1	0.00	0.00	0.00
14,308.0	90.00	179.44	10,645.0	-3,051.1	-183.8	3,053.1	0.00	0.00	0.00
14,309.0	90.00	179.44	10,645.0	-3,052.1	-183.8	3,054.1	0.00	0.00	0.00
14,310.0	90.00	179.44	10,645.0	-3,053.1	-183.8	3,055.1	0.00	0.00	0.00
14,311.0	90.00	179.44	10,645.0	-3,054.1	-183.8	3,056.1	0.00	0.00	0.00
14,312.0	90.00	179.44	10,645.0	-3,055.1	-183.8	3,057.1	0.00	0.00	0.00
14,313.0	90.00	179.44	10,645.0	-3,056.1	-183.8	3,058.1	0.00	0.00	0.00
14,314.0	90.00	179.44	10,645.0	-3,057.1	-183.8	3,059.1	0.00	0.00	0.00
14,315.0	90.00	179.44	10,645.0	-3,058.1	-183.8	3,060.1	0.00	0.00	0.00
14,316.0	90.00	179.44	10,645.0	-3,059.1	-183.7	3,061.1	0.00	0.00	0.00
14,317.0	90.00	179.44	10,645.0	-3,060.1	-183.7	3,062.1	0.00	0.00	0.00
14,318.0	90.00	179.44	10,645.0	-3,061.1	-183.7	3,063.1	0.00	0.00	0.00
14,319.0	90.00	179.44	10,645.0	-3,062.1	-183.7	3,064.1	0.00	0.00	0.00
14,320.0	90.00	179.44	10,645.0	-3,063.1	-183.7	3,065.1	0.00	0.00	0.00
14,321.0	90.00	179.44	10,645.0	-3,064.1	-183.7	3,066.1	0.00	0.00	0.00
14,322.0	90.00	179.44	10,645.0	-3,065.1	-183.7	3,067.1	0.00	0.00	0.00
14,323.0	90.00	179.44	10,645.0	-3,066.1	-183.7	3,068.1	0.00	0.00	0.00
14,324.0	90.00	179.44	10,645.0	-3,067.1	-183.7	3,069.1	0.00	0.00	0.00
14,325.0	90.00	179.44	10,645.0	-3,068.1	-183.7	3,070.1	0.00	0.00	0.00
14,326.0	90.00	179.44	10,645.0	-3,069.1	-183.6	3,071.1	0.00	0.00	0.00
14,327.0	90.00	179.44	10,645.0	-3,070.1	-183.6	3,072.1	0.00	0.00	0.00
14,328.0	90.00	179.44	10,645.0	-3,071.1	-183.6	3,073.1	0.00	0.00	0.00
14,329.0	90.00	179.44	10,645.0	-3,072.1	-183.6	3,074.1	0.00	0.00	0.00
14,330.0	90.00	179.44	10,645.0	-3,073.1	-183.6	3,075.1	0.00	0.00	0.00
14,331.0	90.00	179.44	10,645.0	-3,074.1	-183.6	3,076.1	0.00	0.00	0.00
14,332.0	90.00	179.44	10,645.0	-3,075.1	-183.6	3,077.1	0.00	0.00	0.00
14,333.0	90.00	179.44	10,645.0	-3,076.1	-183.6	3,078.1	0.00	0.00	0.00
14,334.0	90.00	179.44	10,645.0	-3,077.1	-183.6	3,079.1	0.00	0.00	0.00
14,335.0	90.00	179.44	10,645.0	-3,078.1	-183.6	3,080.1	0.00	0.00	0.00
14,336.0	90.00	179.44	10,645.0	-3,079.1	-183.5	3,081.1	0.00	0.00	0.00
14,337.0	90.00	179.44	10,645.0	-3,080.1	-183.5	3,082.1	0.00	0.00	0.00
14,338.0	90.00	179.44	10,645.0	-3,081.1	-183.5	3,083.1	0.00	0.00	0.00
14,339.0	90.00	179.44	10,645.0	-3,082.1	-183.5	3,084.1	0.00	0.00	0.00
14,340.0	90.00	179.44	10,645.0	-3,083.1	-183.5	3,085.1	0.00	0.00	0.00
14,341.0	90.00	179.44	10,645.0	-3,084.1	-183.5	3,086.1	0.00	0.00	0.00
14,342.0	90.00	179.44	10,645.0	-3,085.1	-183.5	3,087.1	0.00	0.00	0.00
14,343.0	90.00	179.44	10,645.0	-3,086.1	-183.5	3,088.1	0.00	0.00	0.00
14,344.0	90.00	179.44	10,645.0	-3,087.1	-183.5	3,089.1	0.00	0.00	0.00
14,345.0	90.00	179.44	10,645.0	-3,088.1	-183.5	3,090.1	0.00	0.00	0.00
14,346.0	90.00	179.44	10,645.0	-3,089.1	-183.4	3,091.1	0.00	0.00	0.00
14,347.0	90.00	179.44	10,645.0	-3,090.1	-183.4	3,092.1	0.00	0.00	0.00
14,348.0	90.00	179.44	10,645.0	-3,091.1	-183.4	3,093.1	0.00	0.00	0.00
14,349.0	90.00	179.44	10,645.0	-3,092.1	-183.4	3,094.1	0.00	0.00	0.00
14,350.0	90.00	179.44	10,645.0	-3,093.1	-183.4	3,095.1	0.00	0.00	0.00
14,351.0	90.00	179.44	10,645.0	-3,094.1	-183.4	3,096.1	0.00	0.00	0.00
14,352.0	90.00	179.44	10,645.0	-3,095.1	-183.4	3,097.1	0.00	0.00	0.00
14,353.0	90.00	179.44	10,645.0	-3,096.1	-183.4	3,098.1	0.00	0.00	0.00
14,354.0	90.00	179.44	10,645.0	-3,097.1	-183.4	3,099.1	0.00	0.00	0.00
14,355.0	90.00	179.44	10,645.0	-3,098.1	-183.4	3,100.1	0.00	0.00	0.00
14,356.0	90.00	179.44	10,645.0	-3,099.1	-183.3	3,101.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,357.0	90.00	179.44	10,645.0	-3,100.1	-183.3	3,102.1	0.00	0.00	0.00	
14,358.0	90.00	179.44	10,645.0	-3,101.1	-183.3	3,103.1	0.00	0.00	0.00	
14,359.0	90.00	179.44	10,645.0	-3,102.1	-183.3	3,104.1	0.00	0.00	0.00	
14,360.0	90.00	179.44	10,645.0	-3,103.1	-183.3	3,105.1	0.00	0.00	0.00	
14,361.0	90.00	179.44	10,645.0	-3,104.1	-183.3	3,106.1	0.00	0.00	0.00	
14,362.0	90.00	179.44	10,645.0	-3,105.1	-183.3	3,107.1	0.00	0.00	0.00	
14,363.0	90.00	179.44	10,645.0	-3,106.1	-183.3	3,108.1	0.00	0.00	0.00	
14,364.0	90.00	179.44	10,645.0	-3,107.1	-183.3	3,109.1	0.00	0.00	0.00	
14,365.0	90.00	179.44	10,645.0	-3,108.1	-183.3	3,110.1	0.00	0.00	0.00	
14,366.0	90.00	179.44	10,645.0	-3,109.1	-183.2	3,111.1	0.00	0.00	0.00	
14,367.0	90.00	179.44	10,645.0	-3,110.1	-183.2	3,112.1	0.00	0.00	0.00	
14,368.0	90.00	179.44	10,645.0	-3,111.1	-183.2	3,113.1	0.00	0.00	0.00	
14,369.0	90.00	179.44	10,645.0	-3,112.1	-183.2	3,114.1	0.00	0.00	0.00	
14,370.0	90.00	179.44	10,645.0	-3,113.1	-183.2	3,115.1	0.00	0.00	0.00	
14,371.0	90.00	179.44	10,645.0	-3,114.1	-183.2	3,116.1	0.00	0.00	0.00	
14,372.0	90.00	179.44	10,645.0	-3,115.1	-183.2	3,117.1	0.00	0.00	0.00	
14,373.0	90.00	179.44	10,645.0	-3,116.1	-183.2	3,118.1	0.00	0.00	0.00	
14,374.0	90.00	179.44	10,645.0	-3,117.1	-183.2	3,119.1	0.00	0.00	0.00	
14,375.0	90.00	179.44	10,645.0	-3,118.1	-183.2	3,120.1	0.00	0.00	0.00	
14,376.0	90.00	179.44	10,645.0	-3,119.1	-183.2	3,121.1	0.00	0.00	0.00	
14,377.0	90.00	179.44	10,645.0	-3,120.1	-183.1	3,122.1	0.00	0.00	0.00	
14,378.0	90.00	179.44	10,645.0	-3,121.1	-183.1	3,123.1	0.00	0.00	0.00	
14,379.0	90.00	179.44	10,645.0	-3,122.1	-183.1	3,124.1	0.00	0.00	0.00	
14,380.0	90.00	179.44	10,645.0	-3,123.1	-183.1	3,125.1	0.00	0.00	0.00	
14,381.0	90.00	179.44	10,645.0	-3,124.1	-183.1	3,126.1	0.00	0.00	0.00	
14,382.0	90.00	179.44	10,645.0	-3,125.1	-183.1	3,127.1	0.00	0.00	0.00	
14,383.0	90.00	179.44	10,645.0	-3,126.1	-183.1	3,128.1	0.00	0.00	0.00	
14,384.0	90.00	179.44	10,645.0	-3,127.1	-183.1	3,129.1	0.00	0.00	0.00	
14,385.0	90.00	179.44	10,645.0	-3,128.1	-183.1	3,130.1	0.00	0.00	0.00	
14,386.0	90.00	179.44	10,645.0	-3,129.1	-183.1	3,131.1	0.00	0.00	0.00	
14,387.0	90.00	179.44	10,645.0	-3,130.1	-183.0	3,132.1	0.00	0.00	0.00	
14,388.0	90.00	179.44	10,645.0	-3,131.1	-183.0	3,133.1	0.00	0.00	0.00	
14,389.0	90.00	179.44	10,645.0	-3,132.1	-183.0	3,134.1	0.00	0.00	0.00	
14,390.0	90.00	179.44	10,645.0	-3,133.1	-183.0	3,135.1	0.00	0.00	0.00	
14,391.0	90.00	179.44	10,645.0	-3,134.1	-183.0	3,136.1	0.00	0.00	0.00	
14,392.0	90.00	179.44	10,645.0	-3,135.1	-183.0	3,137.1	0.00	0.00	0.00	
14,393.0	90.00	179.44	10,645.0	-3,136.1	-183.0	3,138.1	0.00	0.00	0.00	
14,394.0	90.00	179.44	10,645.0	-3,137.1	-183.0	3,139.1	0.00	0.00	0.00	
14,395.0	90.00	179.44	10,645.0	-3,138.1	-183.0	3,140.1	0.00	0.00	0.00	
14,396.0	90.00	179.44	10,645.0	-3,139.1	-183.0	3,141.1	0.00	0.00	0.00	
14,397.0	90.00	179.44	10,645.0	-3,140.1	-182.9	3,142.1	0.00	0.00	0.00	
14,398.0	90.00	179.44	10,645.0	-3,141.1	-182.9	3,143.1	0.00	0.00	0.00	
14,399.0	90.00	179.44	10,645.0	-3,142.1	-182.9	3,144.1	0.00	0.00	0.00	
14,400.0	90.00	179.44	10,645.0	-3,143.1	-182.9	3,145.1	0.05	0.00	0.05	
14,401.0	90.00	179.44	10,645.0	-3,144.1	-182.9	3,146.1	0.00	0.00	0.00	
14,402.0	90.00	179.44	10,645.0	-3,145.1	-182.9	3,147.1	0.00	0.00	0.00	
14,403.0	90.00	179.44	10,645.0	-3,146.1	-182.9	3,148.1	0.00	0.00	0.00	
14,404.0	90.00	179.44	10,645.0	-3,147.1	-182.9	3,149.1	0.00	0.00	0.00	
14,405.0	90.00	179.44	10,645.0	-3,148.1	-182.9	3,150.1	0.00	0.00	0.00	
14,406.0	90.00	179.44	10,645.0	-3,149.1	-182.9	3,151.1	0.00	0.00	0.00	
14,407.0	90.00	179.44	10,645.0	-3,150.1	-182.8	3,152.1	0.00	0.00	0.00	
14,408.0	90.00	179.44	10,645.0	-3,151.1	-182.8	3,153.1	0.00	0.00	0.00	
14,409.0	90.00	179.44	10,645.0	-3,152.1	-182.8	3,154.1	0.00	0.00	0.00	
14,410.0	90.00	179.44	10,645.0	-3,153.1	-182.8	3,155.1	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,411.0	90.00	179.44	10,645.0	-3,154.1	-182.8	3,156.1	0.00	0.00	0.00
14,412.0	90.00	179.44	10,645.0	-3,155.1	-182.8	3,157.1	0.00	0.00	0.00
14,413.0	90.00	179.44	10,645.0	-3,156.1	-182.8	3,158.1	0.00	0.00	0.00
14,414.0	90.00	179.44	10,645.0	-3,157.1	-182.8	3,159.1	0.00	0.00	0.00
14,415.0	90.00	179.44	10,645.0	-3,158.1	-182.8	3,160.1	0.00	0.00	0.00
14,416.0	90.00	179.44	10,645.0	-3,159.1	-182.8	3,161.1	0.00	0.00	0.00
14,417.0	90.00	179.44	10,645.0	-3,160.1	-182.7	3,162.1	0.00	0.00	0.00
14,418.0	90.00	179.44	10,645.0	-3,161.1	-182.7	3,163.1	0.00	0.00	0.00
14,419.0	90.00	179.44	10,645.0	-3,162.1	-182.7	3,164.1	0.00	0.00	0.00
14,420.0	90.00	179.44	10,645.0	-3,163.1	-182.7	3,165.1	0.00	0.00	0.00
14,421.0	90.00	179.44	10,645.0	-3,164.1	-182.7	3,166.1	0.00	0.00	0.00
14,422.0	90.00	179.44	10,645.0	-3,165.1	-182.7	3,167.1	0.00	0.00	0.00
14,423.0	90.00	179.44	10,645.0	-3,166.1	-182.7	3,168.1	0.00	0.00	0.00
14,424.0	90.00	179.44	10,645.0	-3,167.1	-182.7	3,169.1	0.00	0.00	0.00
14,425.0	90.00	179.44	10,645.0	-3,168.1	-182.7	3,170.1	0.00	0.00	0.00
14,426.0	90.00	179.44	10,645.0	-3,169.1	-182.7	3,171.1	0.00	0.00	0.00
14,427.0	90.00	179.44	10,645.0	-3,170.1	-182.6	3,172.1	0.00	0.00	0.00
14,428.0	90.00	179.44	10,645.0	-3,171.1	-182.6	3,173.1	0.00	0.00	0.00
14,429.0	90.00	179.44	10,645.0	-3,172.1	-182.6	3,174.1	0.00	0.00	0.00
14,430.0	90.00	179.44	10,645.0	-3,173.1	-182.6	3,175.1	0.00	0.00	0.00
14,431.0	90.00	179.44	10,645.0	-3,174.1	-182.6	3,176.1	0.00	0.00	0.00
14,432.0	90.00	179.44	10,645.0	-3,175.1	-182.6	3,177.1	0.00	0.00	0.00
14,433.0	90.00	179.44	10,645.0	-3,176.1	-182.6	3,178.1	0.00	0.00	0.00
14,434.0	90.00	179.44	10,645.0	-3,177.1	-182.6	3,179.1	0.00	0.00	0.00
14,435.0	90.00	179.44	10,645.0	-3,178.1	-182.6	3,180.1	0.00	0.00	0.00
14,436.0	90.00	179.44	10,645.0	-3,179.1	-182.6	3,181.1	0.00	0.00	0.00
14,437.0	90.00	179.44	10,645.0	-3,180.1	-182.6	3,182.1	0.00	0.00	0.00
14,438.0	90.00	179.44	10,645.0	-3,181.1	-182.5	3,183.1	0.00	0.00	0.00
14,439.0	90.00	179.44	10,645.0	-3,182.1	-182.5	3,184.1	0.00	0.00	0.00
14,440.0	90.00	179.44	10,645.0	-3,183.1	-182.5	3,185.1	0.00	0.00	0.00
14,441.0	90.00	179.44	10,645.0	-3,184.1	-182.5	3,186.1	0.00	0.00	0.00
14,442.0	90.00	179.44	10,645.0	-3,185.1	-182.5	3,187.1	0.00	0.00	0.00
14,443.0	90.00	179.44	10,645.0	-3,186.1	-182.5	3,188.1	0.00	0.00	0.00
14,444.0	90.00	179.44	10,645.0	-3,187.1	-182.5	3,189.1	0.00	0.00	0.00
14,445.0	90.00	179.44	10,645.0	-3,188.1	-182.5	3,190.1	0.00	0.00	0.00
14,446.0	90.00	179.44	10,645.0	-3,189.1	-182.5	3,191.1	0.00	0.00	0.00
14,447.0	90.00	179.44	10,645.0	-3,190.1	-182.5	3,192.1	0.00	0.00	0.00
14,448.0	90.00	179.44	10,645.0	-3,191.1	-182.4	3,193.1	0.00	0.00	0.00
14,449.0	90.00	179.44	10,645.0	-3,192.1	-182.4	3,194.1	0.00	0.00	0.00
14,450.0	90.00	179.44	10,645.0	-3,193.1	-182.4	3,195.1	0.00	0.00	0.00
14,451.0	90.00	179.44	10,645.0	-3,194.1	-182.4	3,196.1	0.00	0.00	0.00
14,452.0	90.00	179.44	10,645.0	-3,195.1	-182.4	3,197.1	0.00	0.00	0.00
14,453.0	90.00	179.44	10,645.0	-3,196.1	-182.4	3,198.1	0.00	0.00	0.00
14,454.0	90.00	179.44	10,645.0	-3,197.1	-182.4	3,199.1	0.00	0.00	0.00
14,455.0	90.00	179.44	10,645.0	-3,198.1	-182.4	3,200.1	0.00	0.00	0.00
14,456.0	90.00	179.44	10,645.0	-3,199.1	-182.4	3,201.1	0.00	0.00	0.00
14,457.0	90.00	179.44	10,645.0	-3,200.1	-182.4	3,202.1	0.00	0.00	0.00
14,458.0	90.00	179.44	10,645.0	-3,201.1	-182.3	3,203.1	0.00	0.00	0.00
14,459.0	90.00	179.44	10,645.0	-3,202.1	-182.3	3,204.1	0.00	0.00	0.00
14,460.0	90.00	179.44	10,645.0	-3,203.1	-182.3	3,205.1	0.00	0.00	0.00
14,461.0	90.00	179.44	10,645.0	-3,204.1	-182.3	3,206.1	0.00	0.00	0.00
14,462.0	90.00	179.44	10,645.0	-3,205.1	-182.3	3,207.1	0.00	0.00	0.00
14,463.0	90.00	179.44	10,645.0	-3,206.1	-182.3	3,208.1	0.00	0.00	0.00
14,464.0	90.00	179.44	10,645.0	-3,207.1	-182.3	3,209.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,465.0	90.00	179.44	10,645.0	-3,208.1	-182.3	3,210.1	0.00	0.00	0.00	
14,466.0	90.00	179.44	10,645.0	-3,209.1	-182.3	3,211.1	0.00	0.00	0.00	
14,467.0	90.00	179.44	10,645.0	-3,210.1	-182.3	3,212.1	0.00	0.00	0.00	
14,468.0	90.00	179.44	10,645.0	-3,211.1	-182.2	3,213.1	0.00	0.00	0.00	
14,469.0	90.00	179.44	10,645.0	-3,212.1	-182.2	3,214.1	0.00	0.00	0.00	
14,470.0	90.00	179.44	10,645.0	-3,213.1	-182.2	3,215.1	0.00	0.00	0.00	
14,471.0	90.00	179.44	10,645.0	-3,214.1	-182.2	3,216.1	0.00	0.00	0.00	
14,472.0	90.00	179.44	10,645.0	-3,215.1	-182.2	3,217.1	0.00	0.00	0.00	
14,473.0	90.00	179.44	10,645.0	-3,216.1	-182.2	3,218.1	0.00	0.00	0.00	
14,474.0	90.00	179.44	10,645.0	-3,217.1	-182.2	3,219.1	0.00	0.00	0.00	
14,475.0	90.00	179.44	10,645.0	-3,218.1	-182.2	3,220.1	0.00	0.00	0.00	
14,476.0	90.00	179.44	10,645.0	-3,219.1	-182.2	3,221.1	0.00	0.00	0.00	
14,477.0	90.00	179.44	10,645.0	-3,220.1	-182.2	3,222.1	0.00	0.00	0.00	
14,478.0	90.00	179.44	10,645.0	-3,221.1	-182.1	3,223.1	0.00	0.00	0.00	
14,479.0	90.00	179.44	10,645.0	-3,222.1	-182.1	3,224.1	0.00	0.00	0.00	
14,480.0	90.00	179.44	10,645.0	-3,223.1	-182.1	3,225.1	0.00	0.00	0.00	
14,481.0	90.00	179.44	10,645.0	-3,224.1	-182.1	3,226.1	0.00	0.00	0.00	
14,482.0	90.00	179.44	10,645.0	-3,225.1	-182.1	3,227.1	0.00	0.00	0.00	
14,483.0	90.00	179.44	10,645.0	-3,226.1	-182.1	3,228.1	0.00	0.00	0.00	
14,484.0	90.00	179.44	10,645.0	-3,227.1	-182.1	3,229.1	0.00	0.00	0.00	
14,485.0	90.00	179.44	10,645.0	-3,228.1	-182.1	3,230.1	0.00	0.00	0.00	
14,486.0	90.00	179.44	10,645.0	-3,229.1	-182.1	3,231.1	0.00	0.00	0.00	
14,487.0	90.00	179.44	10,645.0	-3,230.1	-182.1	3,232.1	0.00	0.00	0.00	
14,488.0	90.00	179.44	10,645.0	-3,231.1	-182.0	3,233.1	0.00	0.00	0.00	
14,489.0	90.00	179.44	10,645.0	-3,232.1	-182.0	3,234.1	0.00	0.00	0.00	
14,490.0	90.00	179.44	10,645.0	-3,233.1	-182.0	3,235.1	0.00	0.00	0.00	
14,491.0	90.00	179.44	10,645.0	-3,234.1	-182.0	3,236.1	0.00	0.00	0.00	
14,492.0	90.00	179.44	10,645.0	-3,235.1	-182.0	3,237.1	0.00	0.00	0.00	
14,493.0	90.00	179.44	10,645.0	-3,236.1	-182.0	3,238.1	0.00	0.00	0.00	
14,494.0	90.00	179.44	10,645.0	-3,237.1	-182.0	3,239.1	0.00	0.00	0.00	
14,495.0	90.00	179.44	10,645.0	-3,238.1	-182.0	3,240.1	0.00	0.00	0.00	
14,496.0	90.00	179.44	10,645.0	-3,239.1	-182.0	3,241.1	0.00	0.00	0.00	
14,497.0	90.00	179.44	10,645.0	-3,240.1	-182.0	3,242.1	0.00	0.00	0.00	
14,498.0	90.00	179.44	10,645.0	-3,241.1	-182.0	3,243.1	0.00	0.00	0.00	
14,499.0	90.00	179.44	10,645.0	-3,242.1	-181.9	3,244.1	0.00	0.00	0.00	
14,500.0	90.00	179.44	10,645.0	-3,243.1	-181.9	3,245.1	0.05	0.00	0.05	
14,501.0	90.00	179.44	10,645.0	-3,244.1	-181.9	3,246.1	0.00	0.00	0.00	
14,502.0	90.00	179.44	10,645.0	-3,245.1	-181.9	3,247.1	0.00	0.00	0.00	
14,503.0	90.00	179.44	10,645.0	-3,246.1	-181.9	3,248.1	0.00	0.00	0.00	
14,504.0	90.00	179.44	10,645.0	-3,247.1	-181.9	3,249.1	0.00	0.00	0.00	
14,505.0	90.00	179.44	10,645.0	-3,248.1	-181.9	3,250.1	0.00	0.00	0.00	
14,506.0	90.00	179.44	10,645.0	-3,249.1	-181.9	3,251.1	0.00	0.00	0.00	
14,507.0	90.00	179.44	10,645.0	-3,250.1	-181.9	3,252.1	0.00	0.00	0.00	
14,508.0	90.00	179.44	10,645.0	-3,251.1	-181.9	3,253.1	0.00	0.00	0.00	
14,509.0	90.00	179.44	10,645.0	-3,252.1	-181.8	3,254.1	0.00	0.00	0.00	
14,510.0	90.00	179.44	10,645.0	-3,253.1	-181.8	3,255.1	0.00	0.00	0.00	
14,511.0	90.00	179.44	10,645.0	-3,254.1	-181.8	3,256.1	0.00	0.00	0.00	
14,512.0	90.00	179.44	10,645.0	-3,255.1	-181.8	3,257.1	0.00	0.00	0.00	
14,513.0	90.00	179.44	10,645.0	-3,256.1	-181.8	3,258.1	0.00	0.00	0.00	
14,514.0	90.00	179.44	10,645.0	-3,257.1	-181.8	3,259.1	0.00	0.00	0.00	
14,515.0	90.00	179.44	10,645.0	-3,258.1	-181.8	3,260.1	0.00	0.00	0.00	
14,516.0	90.00	179.44	10,645.0	-3,259.1	-181.8	3,261.1	0.00	0.00	0.00	
14,517.0	90.00	179.44	10,645.0	-3,260.1	-181.8	3,262.1	0.00	0.00	0.00	
14,518.0	90.00	179.44	10,645.0	-3,261.1	-181.8	3,263.1	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,519.0	90.00	179.44	10,645.0	-3,262.1	-181.7	3,264.1	0.00	0.00	0.00
14,520.0	90.00	179.44	10,645.0	-3,263.1	-181.7	3,265.1	0.00	0.00	0.00
14,521.0	90.00	179.44	10,645.0	-3,264.1	-181.7	3,266.1	0.00	0.00	0.00
14,522.0	90.00	179.44	10,645.0	-3,265.1	-181.7	3,267.1	0.00	0.00	0.00
14,523.0	90.00	179.44	10,645.0	-3,266.1	-181.7	3,268.1	0.00	0.00	0.00
14,524.0	90.00	179.44	10,645.0	-3,267.1	-181.7	3,269.1	0.00	0.00	0.00
14,525.0	90.00	179.44	10,645.0	-3,268.1	-181.7	3,270.1	0.00	0.00	0.00
14,526.0	90.00	179.44	10,645.0	-3,269.1	-181.7	3,271.1	0.00	0.00	0.00
14,527.0	90.00	179.44	10,645.0	-3,270.1	-181.7	3,272.1	0.00	0.00	0.00
14,528.0	90.00	179.44	10,645.0	-3,271.1	-181.7	3,273.1	0.00	0.00	0.00
14,529.0	90.00	179.44	10,645.0	-3,272.1	-181.6	3,274.1	0.00	0.00	0.00
14,530.0	90.00	179.44	10,645.0	-3,273.1	-181.6	3,275.1	0.00	0.00	0.00
14,531.0	90.00	179.44	10,645.0	-3,274.1	-181.6	3,276.1	0.00	0.00	0.00
14,532.0	90.00	179.44	10,645.0	-3,275.1	-181.6	3,277.1	0.00	0.00	0.00
14,533.0	90.00	179.44	10,645.0	-3,276.1	-181.6	3,278.1	0.00	0.00	0.00
14,534.0	90.00	179.44	10,645.0	-3,277.1	-181.6	3,279.1	0.00	0.00	0.00
14,535.0	90.00	179.44	10,645.0	-3,278.1	-181.6	3,280.1	0.00	0.00	0.00
14,536.0	90.00	179.44	10,645.0	-3,279.1	-181.6	3,281.1	0.00	0.00	0.00
14,537.0	90.00	179.44	10,645.0	-3,280.1	-181.6	3,282.1	0.00	0.00	0.00
14,538.0	90.00	179.44	10,645.0	-3,281.1	-181.6	3,283.1	0.00	0.00	0.00
14,539.0	90.00	179.44	10,645.0	-3,282.1	-181.5	3,284.1	0.00	0.00	0.00
14,540.0	90.00	179.44	10,645.0	-3,283.1	-181.5	3,285.1	0.00	0.00	0.00
14,541.0	90.00	179.44	10,645.0	-3,284.1	-181.5	3,286.1	0.00	0.00	0.00
14,542.0	90.00	179.44	10,645.0	-3,285.1	-181.5	3,287.1	0.00	0.00	0.00
14,543.0	90.00	179.44	10,645.0	-3,286.1	-181.5	3,288.1	0.00	0.00	0.00
14,544.0	90.00	179.44	10,645.0	-3,287.1	-181.5	3,289.1	0.00	0.00	0.00
14,545.0	90.00	179.44	10,645.0	-3,288.1	-181.5	3,290.1	0.00	0.00	0.00
14,546.0	90.00	179.44	10,645.0	-3,289.1	-181.5	3,291.1	0.00	0.00	0.00
14,547.0	90.00	179.44	10,645.0	-3,290.1	-181.5	3,292.1	0.00	0.00	0.00
14,548.0	90.00	179.44	10,645.0	-3,291.1	-181.5	3,293.1	0.00	0.00	0.00
14,549.0	90.00	179.44	10,645.0	-3,292.1	-181.4	3,294.1	0.00	0.00	0.00
14,550.0	90.00	179.44	10,645.0	-3,293.1	-181.4	3,295.1	0.00	0.00	0.00
14,551.0	90.00	179.44	10,645.0	-3,294.1	-181.4	3,296.1	0.00	0.00	0.00
14,552.0	90.00	179.44	10,645.0	-3,295.1	-181.4	3,297.1	0.00	0.00	0.00
14,553.0	90.00	179.44	10,645.0	-3,296.1	-181.4	3,298.1	0.00	0.00	0.00
14,554.0	90.00	179.44	10,645.0	-3,297.1	-181.4	3,299.1	0.00	0.00	0.00
14,555.0	90.00	179.44	10,645.0	-3,298.1	-181.4	3,300.1	0.00	0.00	0.00
14,556.0	90.00	179.44	10,645.0	-3,299.1	-181.4	3,301.1	0.00	0.00	0.00
14,557.0	90.00	179.44	10,645.0	-3,300.1	-181.4	3,302.1	0.00	0.00	0.00
14,558.0	90.00	179.44	10,645.0	-3,301.1	-181.4	3,303.1	0.00	0.00	0.00
14,559.0	90.00	179.44	10,645.0	-3,302.1	-181.4	3,304.1	0.00	0.00	0.00
14,560.0	90.00	179.44	10,645.0	-3,303.1	-181.3	3,305.1	0.00	0.00	0.00
14,561.0	90.00	179.44	10,645.0	-3,304.1	-181.3	3,306.1	0.00	0.00	0.00
14,562.0	90.00	179.44	10,645.0	-3,305.1	-181.3	3,307.1	0.00	0.00	0.00
14,563.0	90.00	179.44	10,645.0	-3,306.1	-181.3	3,308.1	0.00	0.00	0.00
14,564.0	90.00	179.44	10,645.0	-3,307.1	-181.3	3,309.1	0.00	0.00	0.00
14,565.0	90.00	179.44	10,645.0	-3,308.1	-181.3	3,310.1	0.00	0.00	0.00
14,566.0	90.00	179.44	10,645.0	-3,309.1	-181.3	3,311.1	0.00	0.00	0.00
14,567.0	90.00	179.44	10,645.0	-3,310.1	-181.3	3,312.1	0.00	0.00	0.00
14,568.0	90.00	179.44	10,645.0	-3,311.1	-181.3	3,313.1	0.00	0.00	0.00
14,569.0	90.00	179.44	10,645.0	-3,312.1	-181.3	3,314.1	0.00	0.00	0.00
14,570.0	90.00	179.44	10,645.0	-3,313.1	-181.2	3,315.1	0.00	0.00	0.00
14,571.0	90.00	179.44	10,645.0	-3,314.1	-181.2	3,316.1	0.00	0.00	0.00
14,572.0	90.00	179.44	10,645.0	-3,315.1	-181.2	3,317.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,573.0	90.00	179.44	10,645.0	-3,316.1	-181.2	3,318.1	0.00	0.00	0.00
14,574.0	90.00	179.44	10,645.0	-3,317.1	-181.2	3,319.1	0.00	0.00	0.00
14,575.0	90.00	179.44	10,645.0	-3,318.1	-181.2	3,320.1	0.00	0.00	0.00
14,576.0	90.00	179.44	10,645.0	-3,319.1	-181.2	3,321.1	0.00	0.00	0.00
14,577.0	90.00	179.44	10,645.0	-3,320.1	-181.2	3,322.1	0.00	0.00	0.00
14,578.0	90.00	179.44	10,645.0	-3,321.1	-181.2	3,323.1	0.00	0.00	0.00
14,579.0	90.00	179.44	10,645.0	-3,322.1	-181.2	3,324.1	0.00	0.00	0.00
14,580.0	90.00	179.44	10,645.0	-3,323.1	-181.1	3,325.1	0.00	0.00	0.00
14,581.0	90.00	179.44	10,645.0	-3,324.1	-181.1	3,326.1	0.00	0.00	0.00
14,582.0	90.00	179.44	10,645.0	-3,325.1	-181.1	3,327.1	0.00	0.00	0.00
14,583.0	90.00	179.44	10,645.0	-3,326.1	-181.1	3,328.1	0.00	0.00	0.00
14,584.0	90.00	179.44	10,645.0	-3,327.1	-181.1	3,329.1	0.00	0.00	0.00
14,585.0	90.00	179.44	10,645.0	-3,328.1	-181.1	3,330.1	0.00	0.00	0.00
14,586.0	90.00	179.44	10,645.0	-3,329.1	-181.1	3,331.1	0.00	0.00	0.00
14,587.0	90.00	179.44	10,645.0	-3,330.1	-181.1	3,332.1	0.00	0.00	0.00
14,588.0	90.00	179.44	10,645.0	-3,331.1	-181.1	3,333.1	0.00	0.00	0.00
14,589.0	90.00	179.44	10,645.0	-3,332.1	-181.1	3,334.1	0.00	0.00	0.00
14,590.0	90.00	179.44	10,645.0	-3,333.1	-181.0	3,335.1	0.00	0.00	0.00
14,591.0	90.00	179.44	10,645.0	-3,334.1	-181.0	3,336.1	0.00	0.00	0.00
14,592.0	90.00	179.44	10,645.0	-3,335.1	-181.0	3,337.1	0.00	0.00	0.00
14,593.0	90.00	179.44	10,645.0	-3,336.1	-181.0	3,338.1	0.00	0.00	0.00
14,594.0	90.00	179.44	10,645.0	-3,337.1	-181.0	3,339.1	0.00	0.00	0.00
14,595.0	90.00	179.44	10,645.0	-3,338.1	-181.0	3,340.1	0.00	0.00	0.00
14,596.0	90.00	179.44	10,645.0	-3,339.1	-181.0	3,341.1	0.00	0.00	0.00
14,597.0	90.00	179.44	10,645.0	-3,340.1	-181.0	3,342.1	0.00	0.00	0.00
14,598.0	90.00	179.44	10,645.0	-3,341.1	-181.0	3,343.1	0.00	0.00	0.00
14,599.0	90.00	179.44	10,645.0	-3,342.1	-181.0	3,344.1	0.00	0.00	0.00
14,600.0	90.00	179.44	10,645.0	-3,343.1	-180.9	3,345.1	0.05	0.00	0.05
14,601.0	90.00	179.44	10,645.0	-3,344.1	-180.9	3,346.1	0.00	0.00	0.00
14,602.0	90.00	179.44	10,645.0	-3,345.1	-180.9	3,347.1	0.00	0.00	0.00
14,603.0	90.00	179.44	10,645.0	-3,346.1	-180.9	3,348.1	0.00	0.00	0.00
14,604.0	90.00	179.44	10,645.0	-3,347.1	-180.9	3,349.1	0.00	0.00	0.00
14,605.0	90.00	179.44	10,645.0	-3,348.1	-180.9	3,350.1	0.00	0.00	0.00
14,606.0	90.00	179.44	10,645.0	-3,349.1	-180.9	3,351.1	0.00	0.00	0.00
14,607.0	90.00	179.44	10,645.0	-3,350.1	-180.9	3,352.1	0.00	0.00	0.00
14,608.0	90.00	179.44	10,645.0	-3,351.1	-180.9	3,353.1	0.00	0.00	0.00
14,609.0	90.00	179.44	10,645.0	-3,352.1	-180.9	3,354.1	0.00	0.00	0.00
14,610.0	90.00	179.44	10,645.0	-3,353.1	-180.8	3,355.1	0.00	0.00	0.00
14,611.0	90.00	179.44	10,645.0	-3,354.1	-180.8	3,356.1	0.00	0.00	0.00
14,612.0	90.00	179.44	10,645.0	-3,355.1	-180.8	3,357.1	0.00	0.00	0.00
14,613.0	90.00	179.44	10,645.0	-3,356.1	-180.8	3,358.1	0.00	0.00	0.00
14,614.0	90.00	179.44	10,645.0	-3,357.1	-180.8	3,359.1	0.00	0.00	0.00
14,615.0	90.00	179.44	10,645.0	-3,358.1	-180.8	3,360.1	0.00	0.00	0.00
14,616.0	90.00	179.44	10,645.0	-3,359.1	-180.8	3,361.1	0.00	0.00	0.00
14,617.0	90.00	179.44	10,645.0	-3,360.1	-180.8	3,362.1	0.00	0.00	0.00
14,618.0	90.00	179.44	10,645.0	-3,361.1	-180.8	3,363.1	0.00	0.00	0.00
14,619.0	90.00	179.44	10,645.0	-3,362.1	-180.8	3,364.1	0.00	0.00	0.00
14,620.0	90.00	179.44	10,645.0	-3,363.1	-180.8	3,365.1	0.00	0.00	0.00
14,621.0	90.00	179.44	10,645.0	-3,364.1	-180.7	3,366.1	0.00	0.00	0.00
14,622.0	90.00	179.44	10,645.0	-3,365.1	-180.7	3,367.1	0.00	0.00	0.00
14,623.0	90.00	179.44	10,645.0	-3,366.1	-180.7	3,368.1	0.00	0.00	0.00
14,624.0	90.00	179.44	10,645.0	-3,367.1	-180.7	3,369.1	0.00	0.00	0.00
14,625.0	90.00	179.44	10,645.0	-3,368.1	-180.7	3,370.1	0.00	0.00	0.00
14,626.0	90.00	179.44	10,645.0	-3,369.1	-180.7	3,371.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,627.0	90.00	179.44	10,645.0	-3,370.1	-180.7	3,372.1	0.00	0.00	0.00	
14,628.0	90.00	179.44	10,645.0	-3,371.1	-180.7	3,373.1	0.00	0.00	0.00	
14,629.0	90.00	179.44	10,645.0	-3,372.1	-180.7	3,374.1	0.00	0.00	0.00	
14,630.0	90.00	179.44	10,645.0	-3,373.1	-180.7	3,375.1	0.00	0.00	0.00	
14,631.0	90.00	179.44	10,645.0	-3,374.1	-180.6	3,376.1	0.00	0.00	0.00	
14,632.0	90.00	179.44	10,645.0	-3,375.1	-180.6	3,377.1	0.00	0.00	0.00	
14,633.0	90.00	179.44	10,645.0	-3,376.1	-180.6	3,378.1	0.00	0.00	0.00	
14,634.0	90.00	179.44	10,645.0	-3,377.1	-180.6	3,379.1	0.00	0.00	0.00	
14,635.0	90.00	179.44	10,645.0	-3,378.1	-180.6	3,380.1	0.00	0.00	0.00	
14,636.0	90.00	179.44	10,645.0	-3,379.1	-180.6	3,381.1	0.00	0.00	0.00	
14,637.0	90.00	179.44	10,645.0	-3,380.1	-180.6	3,382.1	0.00	0.00	0.00	
14,638.0	90.00	179.44	10,645.0	-3,381.1	-180.6	3,383.1	0.00	0.00	0.00	
14,639.0	90.00	179.44	10,645.0	-3,382.1	-180.6	3,384.1	0.00	0.00	0.00	
14,640.0	90.00	179.44	10,645.0	-3,383.1	-180.6	3,385.1	0.00	0.00	0.00	
14,641.0	90.00	179.44	10,645.0	-3,384.1	-180.5	3,386.1	0.00	0.00	0.00	
14,642.0	90.00	179.44	10,645.0	-3,385.1	-180.5	3,387.1	0.00	0.00	0.00	
14,643.0	90.00	179.44	10,645.0	-3,386.1	-180.5	3,388.1	0.00	0.00	0.00	
14,644.0	90.00	179.44	10,645.0	-3,387.1	-180.5	3,389.1	0.00	0.00	0.00	
14,645.0	90.00	179.44	10,645.0	-3,388.1	-180.5	3,390.1	0.00	0.00	0.00	
14,646.0	90.00	179.44	10,645.0	-3,389.1	-180.5	3,391.1	0.00	0.00	0.00	
14,647.0	90.00	179.44	10,645.0	-3,390.1	-180.5	3,392.1	0.00	0.00	0.00	
14,648.0	90.00	179.44	10,645.0	-3,391.1	-180.5	3,393.1	0.00	0.00	0.00	
14,649.0	90.00	179.44	10,645.0	-3,392.1	-180.5	3,394.1	0.00	0.00	0.00	
14,650.0	90.00	179.44	10,645.0	-3,393.1	-180.5	3,395.1	0.00	0.00	0.00	
14,651.0	90.00	179.44	10,645.0	-3,394.1	-180.4	3,396.1	0.00	0.00	0.00	
14,652.0	90.00	179.44	10,645.0	-3,395.1	-180.4	3,397.1	0.00	0.00	0.00	
14,653.0	90.00	179.44	10,645.0	-3,396.1	-180.4	3,398.1	0.00	0.00	0.00	
14,654.0	90.00	179.44	10,645.0	-3,397.1	-180.4	3,399.1	0.00	0.00	0.00	
14,655.0	90.00	179.44	10,645.0	-3,398.1	-180.4	3,400.1	0.00	0.00	0.00	
14,656.0	90.00	179.44	10,645.0	-3,399.1	-180.4	3,401.1	0.00	0.00	0.00	
14,657.0	90.00	179.44	10,645.0	-3,400.1	-180.4	3,402.1	0.00	0.00	0.00	
14,658.0	90.00	179.44	10,645.0	-3,401.1	-180.4	3,403.1	0.00	0.00	0.00	
14,659.0	90.00	179.44	10,645.0	-3,402.1	-180.4	3,404.1	0.00	0.00	0.00	
14,660.0	90.00	179.44	10,645.0	-3,403.1	-180.4	3,405.1	0.00	0.00	0.00	
14,661.0	90.00	179.44	10,645.0	-3,404.1	-180.3	3,406.1	0.00	0.00	0.00	
14,662.0	90.00	179.44	10,645.0	-3,405.1	-180.3	3,407.1	0.00	0.00	0.00	
14,663.0	90.00	179.44	10,645.0	-3,406.1	-180.3	3,408.1	0.00	0.00	0.00	
14,664.0	90.00	179.44	10,645.0	-3,407.1	-180.3	3,409.1	0.00	0.00	0.00	
14,665.0	90.00	179.44	10,645.0	-3,408.1	-180.3	3,410.1	0.00	0.00	0.00	
14,666.0	90.00	179.44	10,645.0	-3,409.1	-180.3	3,411.1	0.00	0.00	0.00	
14,667.0	90.00	179.44	10,645.0	-3,410.1	-180.3	3,412.1	0.00	0.00	0.00	
14,668.0	90.00	179.44	10,645.0	-3,411.1	-180.3	3,413.1	0.00	0.00	0.00	
14,669.0	90.00	179.44	10,645.0	-3,412.1	-180.3	3,414.1	0.00	0.00	0.00	
14,670.0	90.00	179.44	10,645.0	-3,413.1	-180.3	3,415.1	0.00	0.00	0.00	
14,671.0	90.00	179.44	10,645.0	-3,414.1	-180.3	3,416.1	0.00	0.00	0.00	
14,672.0	90.00	179.44	10,645.0	-3,415.1	-180.2	3,417.1	0.00	0.00	0.00	
14,673.0	90.00	179.44	10,645.0	-3,416.1	-180.2	3,418.1	0.00	0.00	0.00	
14,674.0	90.00	179.44	10,645.0	-3,417.1	-180.2	3,419.1	0.00	0.00	0.00	
14,675.0	90.00	179.44	10,645.0	-3,418.1	-180.2	3,420.1	0.00	0.00	0.00	
14,676.0	90.00	179.44	10,645.0	-3,419.1	-180.2	3,421.1	0.00	0.00	0.00	
14,677.0	90.00	179.44	10,645.0	-3,420.1	-180.2	3,422.1	0.00	0.00	0.00	
14,678.0	90.00	179.44	10,645.0	-3,421.1	-180.2	3,423.1	0.00	0.00	0.00	
14,679.0	90.00	179.44	10,645.0	-3,422.1	-180.2	3,424.1	0.00	0.00	0.00	
14,680.0	90.00	179.44	10,645.0	-3,423.1	-180.2	3,425.1	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,681.0	90.00	179.44	10,645.0	-3,424.1	-180.2	3,426.1	0.00	0.00	0.00	
14,682.0	90.00	179.44	10,645.0	-3,425.1	-180.1	3,427.1	0.00	0.00	0.00	
14,683.0	90.00	179.44	10,645.0	-3,426.1	-180.1	3,428.1	0.00	0.00	0.00	
14,684.0	90.00	179.44	10,645.0	-3,427.1	-180.1	3,429.1	0.00	0.00	0.00	
14,685.0	90.00	179.44	10,645.0	-3,428.1	-180.1	3,430.1	0.00	0.00	0.00	
14,686.0	90.00	179.44	10,645.0	-3,429.1	-180.1	3,431.1	0.00	0.00	0.00	
14,687.0	90.00	179.44	10,645.0	-3,430.1	-180.1	3,432.1	0.00	0.00	0.00	
14,688.0	90.00	179.44	10,645.0	-3,431.1	-180.1	3,433.1	0.00	0.00	0.00	
14,689.0	90.00	179.44	10,645.0	-3,432.1	-180.1	3,434.1	0.00	0.00	0.00	
14,690.0	90.00	179.44	10,645.0	-3,433.1	-180.1	3,435.1	0.00	0.00	0.00	
14,691.0	90.00	179.44	10,645.0	-3,434.1	-180.1	3,436.1	0.00	0.00	0.00	
14,692.0	90.00	179.44	10,645.0	-3,435.1	-180.0	3,437.1	0.00	0.00	0.00	
14,693.0	90.00	179.44	10,645.0	-3,436.1	-180.0	3,438.1	0.00	0.00	0.00	
14,694.0	90.00	179.44	10,645.0	-3,437.1	-180.0	3,439.1	0.00	0.00	0.00	
14,695.0	90.00	179.44	10,645.0	-3,438.1	-180.0	3,440.1	0.00	0.00	0.00	
14,696.0	90.00	179.44	10,645.0	-3,439.1	-180.0	3,441.1	0.00	0.00	0.00	
14,697.0	90.00	179.44	10,645.0	-3,440.1	-180.0	3,442.1	0.00	0.00	0.00	
14,698.0	90.00	179.44	10,645.0	-3,441.1	-180.0	3,443.1	0.00	0.00	0.00	
14,699.0	90.00	179.44	10,645.0	-3,442.1	-180.0	3,444.1	0.00	0.00	0.00	
14,700.0	90.00	179.44	10,645.0	-3,443.1	-180.0	3,445.1	0.05	0.00	0.05	
14,701.0	90.00	179.44	10,645.0	-3,444.1	-180.0	3,446.1	0.00	0.00	0.00	
14,702.0	90.00	179.44	10,645.0	-3,445.1	-179.9	3,447.0	0.00	0.00	0.00	
14,703.0	90.00	179.44	10,645.0	-3,446.1	-179.9	3,448.0	0.00	0.00	0.00	
14,704.0	90.00	179.44	10,645.0	-3,447.1	-179.9	3,449.0	0.00	0.00	0.00	
14,705.0	90.00	179.44	10,645.0	-3,448.1	-179.9	3,450.0	0.00	0.00	0.00	
14,706.0	90.00	179.44	10,645.0	-3,449.1	-179.9	3,451.0	0.00	0.00	0.00	
14,707.0	90.00	179.44	10,645.0	-3,450.1	-179.9	3,452.0	0.00	0.00	0.00	
14,708.0	90.00	179.44	10,645.0	-3,451.1	-179.9	3,453.0	0.00	0.00	0.00	
14,709.0	90.00	179.44	10,645.0	-3,452.1	-179.9	3,454.0	0.00	0.00	0.00	
14,710.0	90.00	179.44	10,645.0	-3,453.1	-179.9	3,455.0	0.00	0.00	0.00	
14,711.0	90.00	179.44	10,645.0	-3,454.1	-179.9	3,456.0	0.00	0.00	0.00	
14,712.0	90.00	179.44	10,645.0	-3,455.1	-179.8	3,457.0	0.00	0.00	0.00	
14,713.0	90.00	179.44	10,645.0	-3,456.1	-179.8	3,458.0	0.00	0.00	0.00	
14,714.0	90.00	179.44	10,645.0	-3,457.1	-179.8	3,459.0	0.00	0.00	0.00	
14,715.0	90.00	179.44	10,645.0	-3,458.1	-179.8	3,460.0	0.00	0.00	0.00	
14,716.0	90.00	179.44	10,645.0	-3,459.1	-179.8	3,461.0	0.00	0.00	0.00	
14,717.0	90.00	179.44	10,645.0	-3,460.1	-179.8	3,462.0	0.00	0.00	0.00	
14,718.0	90.00	179.44	10,645.0	-3,461.1	-179.8	3,463.0	0.00	0.00	0.00	
14,719.0	90.00	179.44	10,645.0	-3,462.1	-179.8	3,464.0	0.00	0.00	0.00	
14,720.0	90.00	179.44	10,645.0	-3,463.1	-179.8	3,465.0	0.00	0.00	0.00	
14,721.0	90.00	179.44	10,645.0	-3,464.1	-179.8	3,466.0	0.00	0.00	0.00	
14,722.0	90.00	179.44	10,645.0	-3,465.1	-179.7	3,467.0	0.00	0.00	0.00	
14,723.0	90.00	179.44	10,645.0	-3,466.1	-179.7	3,468.0	0.00	0.00	0.00	
14,724.0	90.00	179.44	10,645.0	-3,467.1	-179.7	3,469.0	0.00	0.00	0.00	
14,725.0	90.00	179.44	10,645.0	-3,468.1	-179.7	3,470.0	0.00	0.00	0.00	
14,726.0	90.00	179.44	10,645.0	-3,469.1	-179.7	3,471.0	0.00	0.00	0.00	
14,727.0	90.00	179.44	10,645.0	-3,470.1	-179.7	3,472.0	0.00	0.00	0.00	
14,728.0	90.00	179.44	10,645.0	-3,471.1	-179.7	3,473.0	0.00	0.00	0.00	
14,729.0	90.00	179.44	10,645.0	-3,472.1	-179.7	3,474.0	0.00	0.00	0.00	
14,730.0	90.00	179.44	10,645.0	-3,473.1	-179.7	3,475.0	0.00	0.00	0.00	
14,731.0	90.00	179.44	10,645.0	-3,474.1	-179.7	3,476.0	0.00	0.00	0.00	
14,732.0	90.00	179.44	10,645.0	-3,475.1	-179.7	3,477.0	0.00	0.00	0.00	
14,733.0	90.00	179.44	10,645.0	-3,476.1	-179.6	3,478.0	0.00	0.00	0.00	
14,734.0	90.00	179.44	10,645.0	-3,477.1	-179.6	3,479.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,735.0	90.00	179.44	10,645.0	-3,478.1	-179.6	3,480.0	0.00	0.00	0.00	
14,736.0	90.00	179.44	10,645.0	-3,479.1	-179.6	3,481.0	0.00	0.00	0.00	
14,737.0	90.00	179.44	10,645.0	-3,480.1	-179.6	3,482.0	0.00	0.00	0.00	
14,738.0	90.00	179.44	10,645.0	-3,481.1	-179.6	3,483.0	0.00	0.00	0.00	
14,739.0	90.00	179.44	10,645.0	-3,482.1	-179.6	3,484.0	0.00	0.00	0.00	
14,740.0	90.00	179.44	10,645.0	-3,483.1	-179.6	3,485.0	0.00	0.00	0.00	
14,741.0	90.00	179.44	10,645.0	-3,484.1	-179.6	3,486.0	0.00	0.00	0.00	
14,742.0	90.00	179.44	10,645.0	-3,485.1	-179.6	3,487.0	0.00	0.00	0.00	
14,743.0	90.00	179.44	10,645.0	-3,486.1	-179.5	3,488.0	0.00	0.00	0.00	
14,744.0	90.00	179.44	10,645.0	-3,487.1	-179.5	3,489.0	0.00	0.00	0.00	
14,745.0	90.00	179.44	10,645.0	-3,488.1	-179.5	3,490.0	0.00	0.00	0.00	
14,746.0	90.00	179.44	10,645.0	-3,489.1	-179.5	3,491.0	0.00	0.00	0.00	
14,747.0	90.00	179.44	10,645.0	-3,490.1	-179.5	3,492.0	0.00	0.00	0.00	
14,748.0	90.00	179.44	10,645.0	-3,491.1	-179.5	3,493.0	0.00	0.00	0.00	
14,749.0	90.00	179.44	10,645.0	-3,492.1	-179.5	3,494.0	0.00	0.00	0.00	
14,750.0	90.00	179.44	10,645.0	-3,493.1	-179.5	3,495.0	0.00	0.00	0.00	
14,751.0	90.00	179.44	10,645.0	-3,494.1	-179.5	3,496.0	0.00	0.00	0.00	
14,752.0	90.00	179.44	10,645.0	-3,495.1	-179.5	3,497.0	0.00	0.00	0.00	
14,753.0	90.00	179.44	10,645.0	-3,496.1	-179.4	3,498.0	0.00	0.00	0.00	
14,754.0	90.00	179.44	10,645.0	-3,497.1	-179.4	3,499.0	0.00	0.00	0.00	
14,755.0	90.00	179.44	10,645.0	-3,498.1	-179.4	3,500.0	0.00	0.00	0.00	
14,756.0	90.00	179.44	10,645.0	-3,499.1	-179.4	3,501.0	0.00	0.00	0.00	
14,757.0	90.00	179.44	10,645.0	-3,500.1	-179.4	3,502.0	0.00	0.00	0.00	
14,758.0	90.00	179.44	10,645.0	-3,501.1	-179.4	3,503.0	0.00	0.00	0.00	
14,759.0	90.00	179.44	10,645.0	-3,502.1	-179.4	3,504.0	0.00	0.00	0.00	
14,760.0	90.00	179.44	10,645.0	-3,503.1	-179.4	3,505.0	0.00	0.00	0.00	
14,761.0	90.00	179.44	10,645.0	-3,504.1	-179.4	3,506.0	0.00	0.00	0.00	
14,762.0	90.00	179.44	10,645.0	-3,505.1	-179.4	3,507.0	0.00	0.00	0.00	
14,763.0	90.00	179.44	10,645.0	-3,506.1	-179.3	3,508.0	0.00	0.00	0.00	
14,764.0	90.00	179.44	10,645.0	-3,507.1	-179.3	3,509.0	0.00	0.00	0.00	
14,765.0	90.00	179.44	10,645.0	-3,508.1	-179.3	3,510.0	0.00	0.00	0.00	
14,766.0	90.00	179.44	10,645.0	-3,509.1	-179.3	3,511.0	0.00	0.00	0.00	
14,767.0	90.00	179.44	10,645.0	-3,510.1	-179.3	3,512.0	0.00	0.00	0.00	
14,768.0	90.00	179.44	10,645.0	-3,511.1	-179.3	3,513.0	0.00	0.00	0.00	
14,769.0	90.00	179.44	10,645.0	-3,512.1	-179.3	3,514.0	0.00	0.00	0.00	
14,770.0	90.00	179.44	10,645.0	-3,513.1	-179.3	3,515.0	0.00	0.00	0.00	
14,771.0	90.00	179.44	10,645.0	-3,514.1	-179.3	3,516.0	0.00	0.00	0.00	
14,772.0	90.00	179.44	10,645.0	-3,515.1	-179.3	3,517.0	0.00	0.00	0.00	
14,773.0	90.00	179.44	10,645.0	-3,516.1	-179.2	3,518.0	0.00	0.00	0.00	
14,774.0	90.00	179.44	10,645.0	-3,517.1	-179.2	3,519.0	0.00	0.00	0.00	
14,775.0	90.00	179.44	10,645.0	-3,518.1	-179.2	3,520.0	0.00	0.00	0.00	
14,776.0	90.00	179.44	10,645.0	-3,519.1	-179.2	3,521.0	0.00	0.00	0.00	
14,777.0	90.00	179.44	10,645.0	-3,520.1	-179.2	3,522.0	0.00	0.00	0.00	
14,778.0	90.00	179.44	10,645.0	-3,521.1	-179.2	3,523.0	0.00	0.00	0.00	
14,779.0	90.00	179.44	10,645.0	-3,522.1	-179.2	3,524.0	0.00	0.00	0.00	
14,780.0	90.00	179.44	10,645.0	-3,523.1	-179.2	3,525.0	0.00	0.00	0.00	
14,781.0	90.00	179.44	10,645.0	-3,524.1	-179.2	3,526.0	0.00	0.00	0.00	
14,782.0	90.00	179.44	10,645.0	-3,525.1	-179.2	3,527.0	0.00	0.00	0.00	
14,783.0	90.00	179.44	10,645.0	-3,526.1	-179.2	3,528.0	0.00	0.00	0.00	
14,784.0	90.00	179.44	10,645.0	-3,527.1	-179.1	3,529.0	0.00	0.00	0.00	
14,785.0	90.00	179.44	10,645.0	-3,528.1	-179.1	3,530.0	0.00	0.00	0.00	
14,786.0	90.00	179.44	10,645.0	-3,529.1	-179.1	3,531.0	0.00	0.00	0.00	
14,787.0	90.00	179.44	10,645.0	-3,530.1	-179.1	3,532.0	0.00	0.00	0.00	
14,788.0	90.00	179.44	10,645.0	-3,531.1	-179.1	3,533.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,789.0	90.00	179.44	10,645.0	-3,532.1	-179.1	3,534.0	0.00	0.00	0.00
14,790.0	90.00	179.44	10,645.0	-3,533.1	-179.1	3,535.0	0.00	0.00	0.00
14,791.0	90.00	179.44	10,645.0	-3,534.1	-179.1	3,536.0	0.00	0.00	0.00
14,792.0	90.00	179.44	10,645.0	-3,535.1	-179.1	3,537.0	0.00	0.00	0.00
14,793.0	90.00	179.44	10,645.0	-3,536.1	-179.1	3,538.0	0.00	0.00	0.00
14,794.0	90.00	179.44	10,645.0	-3,537.1	-179.0	3,539.0	0.00	0.00	0.00
14,795.0	90.00	179.44	10,645.0	-3,538.1	-179.0	3,540.0	0.00	0.00	0.00
14,796.0	90.00	179.44	10,645.0	-3,539.1	-179.0	3,541.0	0.00	0.00	0.00
14,797.0	90.00	179.44	10,645.0	-3,540.1	-179.0	3,542.0	0.00	0.00	0.00
14,798.0	90.00	179.44	10,645.0	-3,541.1	-179.0	3,543.0	0.00	0.00	0.00
14,799.0	90.00	179.44	10,645.0	-3,542.1	-179.0	3,544.0	0.00	0.00	0.00
14,800.0	90.00	179.44	10,645.0	-3,543.1	-179.0	3,545.0	0.05	0.00	0.05
14,801.0	90.00	179.44	10,645.0	-3,544.1	-179.0	3,546.0	0.00	0.00	0.00
14,802.0	90.00	179.44	10,645.0	-3,545.1	-179.0	3,547.0	0.00	0.00	0.00
14,803.0	90.00	179.44	10,645.0	-3,546.1	-179.0	3,548.0	0.00	0.00	0.00
14,804.0	90.00	179.44	10,645.0	-3,547.1	-178.9	3,549.0	0.00	0.00	0.00
14,805.0	90.00	179.44	10,645.0	-3,548.1	-178.9	3,550.0	0.00	0.00	0.00
14,806.0	90.00	179.44	10,645.0	-3,549.1	-178.9	3,551.0	0.00	0.00	0.00
14,807.0	90.00	179.44	10,645.0	-3,550.1	-178.9	3,552.0	0.00	0.00	0.00
14,808.0	90.00	179.44	10,645.0	-3,551.1	-178.9	3,553.0	0.00	0.00	0.00
14,809.0	90.00	179.44	10,645.0	-3,552.1	-178.9	3,554.0	0.00	0.00	0.00
14,810.0	90.00	179.44	10,645.0	-3,553.1	-178.9	3,555.0	0.00	0.00	0.00
14,811.0	90.00	179.44	10,645.0	-3,554.1	-178.9	3,556.0	0.00	0.00	0.00
14,812.0	90.00	179.44	10,645.0	-3,555.1	-178.9	3,557.0	0.00	0.00	0.00
14,813.0	90.00	179.44	10,645.0	-3,556.1	-178.9	3,558.0	0.00	0.00	0.00
14,814.0	90.00	179.44	10,645.0	-3,557.1	-178.8	3,559.0	0.00	0.00	0.00
14,815.0	90.00	179.44	10,645.0	-3,558.1	-178.8	3,560.0	0.00	0.00	0.00
14,816.0	90.00	179.44	10,645.0	-3,559.1	-178.8	3,561.0	0.00	0.00	0.00
14,817.0	90.00	179.44	10,645.0	-3,560.1	-178.8	3,562.0	0.00	0.00	0.00
14,818.0	90.00	179.44	10,645.0	-3,561.1	-178.8	3,563.0	0.00	0.00	0.00
14,819.0	90.00	179.44	10,645.0	-3,562.1	-178.8	3,564.0	0.00	0.00	0.00
14,820.0	90.00	179.44	10,645.0	-3,563.1	-178.8	3,565.0	0.00	0.00	0.00
14,821.0	90.00	179.44	10,645.0	-3,564.1	-178.8	3,566.0	0.00	0.00	0.00
14,822.0	90.00	179.44	10,645.0	-3,565.1	-178.8	3,567.0	0.00	0.00	0.00
14,823.0	90.00	179.44	10,645.0	-3,566.1	-178.8	3,568.0	0.00	0.00	0.00
14,824.0	90.00	179.44	10,645.0	-3,567.1	-178.7	3,569.0	0.00	0.00	0.00
14,825.0	90.00	179.44	10,645.0	-3,568.1	-178.7	3,570.0	0.00	0.00	0.00
14,826.0	90.00	179.44	10,645.0	-3,569.1	-178.7	3,571.0	0.00	0.00	0.00
14,827.0	90.00	179.44	10,645.0	-3,570.1	-178.7	3,572.0	0.00	0.00	0.00
14,828.0	90.00	179.44	10,645.0	-3,571.1	-178.7	3,573.0	0.00	0.00	0.00
14,829.0	90.00	179.44	10,645.0	-3,572.1	-178.7	3,574.0	0.00	0.00	0.00
14,830.0	90.00	179.44	10,645.0	-3,573.1	-178.7	3,575.0	0.00	0.00	0.00
14,831.0	90.00	179.44	10,645.0	-3,574.1	-178.7	3,576.0	0.00	0.00	0.00
14,832.0	90.00	179.44	10,645.0	-3,575.1	-178.7	3,577.0	0.00	0.00	0.00
14,833.0	90.00	179.44	10,645.0	-3,576.1	-178.7	3,578.0	0.00	0.00	0.00
14,834.0	90.00	179.44	10,645.0	-3,577.1	-178.7	3,579.0	0.00	0.00	0.00
14,835.0	90.00	179.44	10,645.0	-3,578.1	-178.6	3,580.0	0.00	0.00	0.00
14,836.0	90.00	179.44	10,645.0	-3,579.1	-178.6	3,581.0	0.00	0.00	0.00
14,837.0	90.00	179.44	10,645.0	-3,580.1	-178.6	3,582.0	0.00	0.00	0.00
14,838.0	90.00	179.44	10,645.0	-3,581.1	-178.6	3,583.0	0.00	0.00	0.00
14,839.0	90.00	179.44	10,645.0	-3,582.1	-178.6	3,584.0	0.00	0.00	0.00
14,840.0	90.00	179.44	10,645.0	-3,583.1	-178.6	3,585.0	0.00	0.00	0.00
14,841.0	90.00	179.44	10,645.0	-3,584.1	-178.6	3,586.0	0.00	0.00	0.00
14,842.0	90.00	179.44	10,645.0	-3,585.1	-178.6	3,587.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,843.0	90.00	179.44	10,645.0	-3,586.1	-178.6	3,588.0	0.00	0.00	0.00
14,844.0	90.00	179.44	10,645.0	-3,587.1	-178.6	3,589.0	0.00	0.00	0.00
14,845.0	90.00	179.44	10,645.0	-3,588.1	-178.5	3,590.0	0.00	0.00	0.00
14,846.0	90.00	179.44	10,645.0	-3,589.1	-178.5	3,591.0	0.00	0.00	0.00
14,847.0	90.00	179.44	10,645.0	-3,590.1	-178.5	3,592.0	0.00	0.00	0.00
14,848.0	90.00	179.44	10,645.0	-3,591.1	-178.5	3,593.0	0.00	0.00	0.00
14,849.0	90.00	179.44	10,645.0	-3,592.1	-178.5	3,594.0	0.00	0.00	0.00
14,850.0	90.00	179.44	10,645.0	-3,593.1	-178.5	3,595.0	0.00	0.00	0.00
14,851.0	90.00	179.44	10,645.0	-3,594.1	-178.5	3,596.0	0.00	0.00	0.00
14,852.0	90.00	179.44	10,645.0	-3,595.1	-178.5	3,597.0	0.00	0.00	0.00
14,853.0	90.00	179.44	10,645.0	-3,596.1	-178.5	3,598.0	0.00	0.00	0.00
14,854.0	90.00	179.44	10,645.0	-3,597.1	-178.5	3,599.0	0.00	0.00	0.00
14,855.0	90.00	179.44	10,645.0	-3,598.1	-178.4	3,600.0	0.00	0.00	0.00
14,856.0	90.00	179.44	10,645.0	-3,599.1	-178.4	3,601.0	0.00	0.00	0.00
14,857.0	90.00	179.44	10,645.0	-3,600.1	-178.4	3,602.0	0.00	0.00	0.00
14,858.0	90.00	179.44	10,645.0	-3,601.1	-178.4	3,603.0	0.00	0.00	0.00
14,859.0	90.00	179.44	10,645.0	-3,602.1	-178.4	3,604.0	0.00	0.00	0.00
14,860.0	90.00	179.44	10,645.0	-3,603.1	-178.4	3,605.0	0.00	0.00	0.00
14,861.0	90.00	179.44	10,645.0	-3,604.1	-178.4	3,606.0	0.00	0.00	0.00
14,862.0	90.00	179.44	10,645.0	-3,605.1	-178.4	3,607.0	0.00	0.00	0.00
14,863.0	90.00	179.44	10,645.0	-3,606.1	-178.4	3,608.0	0.00	0.00	0.00
14,864.0	90.00	179.44	10,645.0	-3,607.1	-178.4	3,609.0	0.00	0.00	0.00
14,865.0	90.00	179.44	10,645.0	-3,608.1	-178.3	3,610.0	0.00	0.00	0.00
14,866.0	90.00	179.44	10,645.0	-3,609.1	-178.3	3,611.0	0.00	0.00	0.00
14,867.0	90.00	179.44	10,645.0	-3,610.1	-178.3	3,612.0	0.00	0.00	0.00
14,868.0	90.00	179.44	10,645.0	-3,611.1	-178.3	3,613.0	0.00	0.00	0.00
14,869.0	90.00	179.44	10,645.0	-3,612.1	-178.3	3,614.0	0.00	0.00	0.00
14,870.0	90.00	179.44	10,645.0	-3,613.1	-178.3	3,615.0	0.00	0.00	0.00
14,871.0	90.00	179.44	10,645.0	-3,614.1	-178.3	3,616.0	0.00	0.00	0.00
14,872.0	90.00	179.44	10,645.0	-3,615.1	-178.3	3,617.0	0.00	0.00	0.00
14,873.0	90.00	179.44	10,645.0	-3,616.1	-178.3	3,618.0	0.00	0.00	0.00
14,874.0	90.00	179.44	10,645.0	-3,617.1	-178.3	3,619.0	0.00	0.00	0.00
14,875.0	90.00	179.44	10,645.0	-3,618.1	-178.2	3,620.0	0.00	0.00	0.00
14,876.0	90.00	179.44	10,645.0	-3,619.1	-178.2	3,621.0	0.00	0.00	0.00
14,877.0	90.00	179.44	10,645.0	-3,620.1	-178.2	3,622.0	0.00	0.00	0.00
14,878.0	90.00	179.44	10,645.0	-3,621.1	-178.2	3,623.0	0.00	0.00	0.00
14,879.0	90.00	179.44	10,645.0	-3,622.1	-178.2	3,624.0	0.00	0.00	0.00
14,880.0	90.00	179.44	10,645.0	-3,623.1	-178.2	3,625.0	0.00	0.00	0.00
14,881.0	90.00	179.44	10,645.0	-3,624.1	-178.2	3,626.0	0.00	0.00	0.00
14,882.0	90.00	179.44	10,645.0	-3,625.1	-178.2	3,627.0	0.00	0.00	0.00
14,883.0	90.00	179.44	10,645.0	-3,626.1	-178.2	3,628.0	0.00	0.00	0.00
14,884.0	90.00	179.44	10,645.0	-3,627.1	-178.2	3,629.0	0.00	0.00	0.00
14,885.0	90.00	179.44	10,645.0	-3,628.1	-178.2	3,630.0	0.00	0.00	0.00
14,886.0	90.00	179.44	10,645.0	-3,629.1	-178.1	3,631.0	0.00	0.00	0.00
14,887.0	90.00	179.44	10,645.0	-3,630.1	-178.1	3,632.0	0.00	0.00	0.00
14,888.0	90.00	179.44	10,645.0	-3,631.1	-178.1	3,633.0	0.00	0.00	0.00
14,889.0	90.00	179.44	10,645.0	-3,632.1	-178.1	3,634.0	0.00	0.00	0.00
14,890.0	90.00	179.44	10,645.0	-3,633.1	-178.1	3,635.0	0.00	0.00	0.00
14,891.0	90.00	179.44	10,645.0	-3,634.1	-178.1	3,636.0	0.00	0.00	0.00
14,892.0	90.00	179.44	10,645.0	-3,635.1	-178.1	3,637.0	0.00	0.00	0.00
14,893.0	90.00	179.44	10,645.0	-3,636.1	-178.1	3,638.0	0.00	0.00	0.00
14,894.0	90.00	179.44	10,645.0	-3,637.1	-178.1	3,639.0	0.00	0.00	0.00
14,895.0	90.00	179.44	10,645.0	-3,638.1	-178.1	3,640.0	0.00	0.00	0.00
14,896.0	90.00	179.44	10,645.0	-3,639.1	-178.0	3,641.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,897.0	90.00	179.44	10,645.0	-3,640.1	-178.0	3,642.0	0.00	0.00	0.00	
14,898.0	90.00	179.44	10,645.0	-3,641.1	-178.0	3,643.0	0.00	0.00	0.00	
14,899.0	90.00	179.44	10,645.0	-3,642.1	-178.0	3,644.0	0.00	0.00	0.00	
14,900.0	90.00	179.44	10,645.0	-3,643.1	-178.0	3,645.0	0.05	0.00	0.05	
14,901.0	90.00	179.44	10,645.0	-3,644.1	-178.0	3,646.0	0.00	0.00	0.00	
14,902.0	90.00	179.44	10,645.0	-3,645.1	-178.0	3,647.0	0.00	0.00	0.00	
14,903.0	90.00	179.44	10,645.0	-3,646.1	-178.0	3,648.0	0.00	0.00	0.00	
14,904.0	90.00	179.44	10,645.0	-3,647.1	-178.0	3,649.0	0.00	0.00	0.00	
14,905.0	90.00	179.44	10,645.0	-3,648.1	-178.0	3,650.0	0.00	0.00	0.00	
14,906.0	90.00	179.44	10,645.0	-3,649.1	-177.9	3,651.0	0.00	0.00	0.00	
14,907.0	90.00	179.44	10,645.0	-3,650.1	-177.9	3,652.0	0.00	0.00	0.00	
14,908.0	90.00	179.44	10,645.0	-3,651.1	-177.9	3,653.0	0.00	0.00	0.00	
14,909.0	90.00	179.44	10,645.0	-3,652.1	-177.9	3,654.0	0.00	0.00	0.00	
14,910.0	90.00	179.44	10,645.0	-3,653.1	-177.9	3,655.0	0.00	0.00	0.00	
14,911.0	90.00	179.44	10,645.0	-3,654.1	-177.9	3,656.0	0.00	0.00	0.00	
14,912.0	90.00	179.44	10,645.0	-3,655.1	-177.9	3,657.0	0.00	0.00	0.00	
14,913.0	90.00	179.44	10,645.0	-3,656.1	-177.9	3,658.0	0.00	0.00	0.00	
14,914.0	90.00	179.44	10,645.0	-3,657.1	-177.9	3,659.0	0.00	0.00	0.00	
14,915.0	90.00	179.44	10,645.0	-3,658.1	-177.9	3,660.0	0.00	0.00	0.00	
14,916.0	90.00	179.44	10,645.0	-3,659.1	-177.8	3,661.0	0.00	0.00	0.00	
14,917.0	90.00	179.44	10,645.0	-3,660.1	-177.8	3,662.0	0.00	0.00	0.00	
14,918.0	90.00	179.44	10,645.0	-3,661.1	-177.8	3,663.0	0.00	0.00	0.00	
14,919.0	90.00	179.44	10,645.0	-3,662.1	-177.8	3,664.0	0.00	0.00	0.00	
14,920.0	90.00	179.44	10,645.0	-3,663.1	-177.8	3,665.0	0.00	0.00	0.00	
14,921.0	90.00	179.44	10,645.0	-3,664.1	-177.8	3,666.0	0.00	0.00	0.00	
14,922.0	90.00	179.44	10,645.0	-3,665.1	-177.8	3,667.0	0.00	0.00	0.00	
14,923.0	90.00	179.44	10,645.0	-3,666.1	-177.8	3,668.0	0.00	0.00	0.00	
14,924.0	90.00	179.44	10,645.0	-3,667.1	-177.8	3,669.0	0.00	0.00	0.00	
14,925.0	90.00	179.44	10,645.0	-3,668.1	-177.8	3,670.0	0.00	0.00	0.00	
14,926.0	90.00	179.44	10,645.0	-3,669.0	-177.7	3,671.0	0.00	0.00	0.00	
14,927.0	90.00	179.44	10,645.0	-3,670.0	-177.7	3,672.0	0.00	0.00	0.00	
14,928.0	90.00	179.44	10,645.0	-3,671.0	-177.7	3,673.0	0.00	0.00	0.00	
14,929.0	90.00	179.44	10,645.0	-3,672.0	-177.7	3,674.0	0.00	0.00	0.00	
14,930.0	90.00	179.44	10,645.0	-3,673.0	-177.7	3,675.0	0.00	0.00	0.00	
14,931.0	90.00	179.44	10,645.0	-3,674.0	-177.7	3,676.0	0.00	0.00	0.00	
14,932.0	90.00	179.44	10,645.0	-3,675.0	-177.7	3,677.0	0.00	0.00	0.00	
14,933.0	90.00	179.44	10,645.0	-3,676.0	-177.7	3,678.0	0.00	0.00	0.00	
14,934.0	90.00	179.44	10,645.0	-3,677.0	-177.7	3,679.0	0.00	0.00	0.00	
14,935.0	90.00	179.44	10,645.0	-3,678.0	-177.7	3,680.0	0.00	0.00	0.00	
14,936.0	90.00	179.44	10,645.0	-3,679.0	-177.7	3,681.0	0.00	0.00	0.00	
14,937.0	90.00	179.44	10,645.0	-3,680.0	-177.6	3,682.0	0.00	0.00	0.00	
14,938.0	90.00	179.44	10,645.0	-3,681.0	-177.6	3,683.0	0.00	0.00	0.00	
14,939.0	90.00	179.44	10,645.0	-3,682.0	-177.6	3,684.0	0.00	0.00	0.00	
14,940.0	90.00	179.44	10,645.0	-3,683.0	-177.6	3,685.0	0.00	0.00	0.00	
14,941.0	90.00	179.44	10,645.0	-3,684.0	-177.6	3,686.0	0.00	0.00	0.00	
14,942.0	90.00	179.44	10,645.0	-3,685.0	-177.6	3,687.0	0.00	0.00	0.00	
14,943.0	90.00	179.44	10,645.0	-3,686.0	-177.6	3,688.0	0.00	0.00	0.00	
14,944.0	90.00	179.44	10,645.0	-3,687.0	-177.6	3,689.0	0.00	0.00	0.00	
14,945.0	90.00	179.44	10,645.0	-3,688.0	-177.6	3,690.0	0.00	0.00	0.00	
14,946.0	90.00	179.44	10,645.0	-3,689.0	-177.6	3,691.0	0.00	0.00	0.00	
14,947.0	90.00	179.44	10,645.0	-3,690.0	-177.5	3,692.0	0.00	0.00	0.00	
14,948.0	90.00	179.44	10,645.0	-3,691.0	-177.5	3,693.0	0.00	0.00	0.00	
14,949.0	90.00	179.44	10,645.0	-3,692.0	-177.5	3,694.0	0.00	0.00	0.00	
14,950.0	90.00	179.44	10,645.0	-3,693.0	-177.5	3,695.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,951.0	90.00	179.44	10,645.0	-3,694.0	-177.5	3,696.0	0.00	0.00	0.00	
14,952.0	90.00	179.44	10,645.0	-3,695.0	-177.5	3,697.0	0.00	0.00	0.00	
14,953.0	90.00	179.44	10,645.0	-3,696.0	-177.5	3,698.0	0.00	0.00	0.00	
14,954.0	90.00	179.44	10,645.0	-3,697.0	-177.5	3,699.0	0.00	0.00	0.00	
14,955.0	90.00	179.44	10,645.0	-3,698.0	-177.5	3,700.0	0.00	0.00	0.00	
14,956.0	90.00	179.44	10,645.0	-3,699.0	-177.5	3,701.0	0.00	0.00	0.00	
14,957.0	90.00	179.44	10,645.0	-3,700.0	-177.4	3,702.0	0.00	0.00	0.00	
14,958.0	90.00	179.44	10,645.0	-3,701.0	-177.4	3,703.0	0.00	0.00	0.00	
14,959.0	90.00	179.44	10,645.0	-3,702.0	-177.4	3,704.0	0.00	0.00	0.00	
14,960.0	90.00	179.44	10,645.0	-3,703.0	-177.4	3,705.0	0.00	0.00	0.00	
14,961.0	90.00	179.44	10,645.0	-3,704.0	-177.4	3,706.0	0.00	0.00	0.00	
14,962.0	90.00	179.44	10,645.0	-3,705.0	-177.4	3,707.0	0.00	0.00	0.00	
14,963.0	90.00	179.44	10,645.0	-3,706.0	-177.4	3,708.0	0.00	0.00	0.00	
14,964.0	90.00	179.44	10,645.0	-3,707.0	-177.4	3,709.0	0.00	0.00	0.00	
14,965.0	90.00	179.44	10,645.0	-3,708.0	-177.4	3,710.0	0.00	0.00	0.00	
14,966.0	90.00	179.44	10,645.0	-3,709.0	-177.4	3,711.0	0.00	0.00	0.00	
14,967.0	90.00	179.44	10,645.0	-3,710.0	-177.3	3,712.0	0.00	0.00	0.00	
14,968.0	90.00	179.44	10,645.0	-3,711.0	-177.3	3,713.0	0.00	0.00	0.00	
14,969.0	90.00	179.44	10,645.0	-3,712.0	-177.3	3,714.0	0.00	0.00	0.00	
14,970.0	90.00	179.44	10,645.0	-3,713.0	-177.3	3,715.0	0.00	0.00	0.00	
14,971.0	90.00	179.44	10,645.0	-3,714.0	-177.3	3,716.0	0.00	0.00	0.00	
14,972.0	90.00	179.44	10,645.0	-3,715.0	-177.3	3,717.0	0.00	0.00	0.00	
14,973.0	90.00	179.44	10,645.0	-3,716.0	-177.3	3,718.0	0.00	0.00	0.00	
14,974.0	90.00	179.44	10,645.0	-3,717.0	-177.3	3,719.0	0.00	0.00	0.00	
14,975.0	90.00	179.44	10,645.0	-3,718.0	-177.3	3,720.0	0.00	0.00	0.00	
14,976.0	90.00	179.44	10,645.0	-3,719.0	-177.3	3,721.0	0.00	0.00	0.00	
14,977.0	90.00	179.44	10,645.0	-3,720.0	-177.2	3,722.0	0.00	0.00	0.00	
14,978.0	90.00	179.44	10,645.0	-3,721.0	-177.2	3,723.0	0.00	0.00	0.00	
14,979.0	90.00	179.44	10,645.0	-3,722.0	-177.2	3,724.0	0.00	0.00	0.00	
14,980.0	90.00	179.44	10,645.0	-3,723.0	-177.2	3,725.0	0.00	0.00	0.00	
14,981.0	90.00	179.44	10,645.0	-3,724.0	-177.2	3,726.0	0.00	0.00	0.00	
14,982.0	90.00	179.44	10,645.0	-3,725.0	-177.2	3,727.0	0.00	0.00	0.00	
14,983.0	90.00	179.44	10,645.0	-3,726.0	-177.2	3,728.0	0.00	0.00	0.00	
14,984.0	90.00	179.44	10,645.0	-3,727.0	-177.2	3,729.0	0.00	0.00	0.00	
14,985.0	90.00	179.44	10,645.0	-3,728.0	-177.2	3,730.0	0.00	0.00	0.00	
14,986.0	90.00	179.44	10,645.0	-3,729.0	-177.2	3,731.0	0.00	0.00	0.00	
14,987.0	90.00	179.44	10,645.0	-3,730.0	-177.2	3,732.0	0.00	0.00	0.00	
14,988.0	90.00	179.44	10,645.0	-3,731.0	-177.1	3,733.0	0.00	0.00	0.00	
14,989.0	90.00	179.44	10,645.0	-3,732.0	-177.1	3,734.0	0.00	0.00	0.00	
14,990.0	90.00	179.44	10,645.0	-3,733.0	-177.1	3,735.0	0.00	0.00	0.00	
14,991.0	90.00	179.44	10,645.0	-3,734.0	-177.1	3,736.0	0.00	0.00	0.00	
14,992.0	90.00	179.44	10,645.0	-3,735.0	-177.1	3,737.0	0.00	0.00	0.00	
14,993.0	90.00	179.44	10,645.0	-3,736.0	-177.1	3,738.0	0.00	0.00	0.00	
14,994.0	90.00	179.44	10,645.0	-3,737.0	-177.1	3,739.0	0.00	0.00	0.00	
14,995.0	90.00	179.44	10,645.0	-3,738.0	-177.1	3,740.0	0.00	0.00	0.00	
14,996.0	90.00	179.44	10,645.0	-3,739.0	-177.1	3,741.0	0.00	0.00	0.00	
14,997.0	90.00	179.44	10,645.0	-3,740.0	-177.1	3,742.0	0.00	0.00	0.00	
14,998.0	90.00	179.44	10,645.0	-3,741.0	-177.0	3,743.0	0.00	0.00	0.00	
14,999.0	90.00	179.44	10,645.0	-3,742.0	-177.0	3,744.0	0.00	0.00	0.00	
15,000.0	90.00	179.44	10,645.0	-3,743.0	-177.0	3,745.0	0.05	0.00	0.05	
15,001.0	90.00	179.44	10,645.0	-3,744.0	-177.0	3,746.0	0.00	0.00	0.00	
15,002.0	90.00	179.44	10,645.0	-3,745.0	-177.0	3,747.0	0.00	0.00	0.00	
15,003.0	90.00	179.44	10,645.0	-3,746.0	-177.0	3,748.0	0.00	0.00	0.00	
15,004.0	90.00	179.44	10,645.0	-3,747.0	-177.0	3,749.0	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,005.0	90.00	179.44	10,645.0	-3,748.0	-177.0	3,750.0	0.00	0.00	0.00
15,006.0	90.00	179.44	10,645.0	-3,749.0	-177.0	3,751.0	0.00	0.00	0.00
15,007.0	90.00	179.44	10,645.0	-3,750.0	-177.0	3,752.0	0.00	0.00	0.00
15,008.0	90.00	179.44	10,645.0	-3,751.0	-176.9	3,753.0	0.00	0.00	0.00
15,009.0	90.00	179.44	10,645.0	-3,752.0	-176.9	3,754.0	0.00	0.00	0.00
15,010.0	90.00	179.44	10,645.0	-3,753.0	-176.9	3,755.0	0.00	0.00	0.00
15,011.0	90.00	179.44	10,645.0	-3,754.0	-176.9	3,756.0	0.00	0.00	0.00
15,012.0	90.00	179.44	10,645.0	-3,755.0	-176.9	3,757.0	0.00	0.00	0.00
15,013.0	90.00	179.44	10,645.0	-3,756.0	-176.9	3,758.0	0.00	0.00	0.00
15,014.0	90.00	179.44	10,645.0	-3,757.0	-176.9	3,759.0	0.00	0.00	0.00
15,015.0	90.00	179.44	10,645.0	-3,758.0	-176.9	3,760.0	0.00	0.00	0.00
15,016.0	90.00	179.44	10,645.0	-3,759.0	-176.9	3,761.0	0.00	0.00	0.00
15,017.0	90.00	179.44	10,645.0	-3,760.0	-176.9	3,762.0	0.00	0.00	0.00
15,018.0	90.00	179.44	10,645.0	-3,761.0	-176.8	3,763.0	0.00	0.00	0.00
15,019.0	90.00	179.44	10,645.0	-3,762.0	-176.8	3,764.0	0.00	0.00	0.00
15,020.0	90.00	179.44	10,645.0	-3,763.0	-176.8	3,765.0	0.00	0.00	0.00
15,021.0	90.00	179.44	10,645.0	-3,764.0	-176.8	3,766.0	0.00	0.00	0.00
15,022.0	90.00	179.44	10,645.0	-3,765.0	-176.8	3,767.0	0.00	0.00	0.00
15,023.0	90.00	179.44	10,645.0	-3,766.0	-176.8	3,768.0	0.00	0.00	0.00
15,024.0	90.00	179.44	10,645.0	-3,767.0	-176.8	3,769.0	0.00	0.00	0.00
15,025.0	90.00	179.44	10,645.0	-3,768.0	-176.8	3,770.0	0.00	0.00	0.00
15,026.0	90.00	179.44	10,645.0	-3,769.0	-176.8	3,771.0	0.00	0.00	0.00
15,027.0	90.00	179.44	10,645.0	-3,770.0	-176.8	3,772.0	0.00	0.00	0.00
15,028.0	90.00	179.44	10,645.0	-3,771.0	-176.8	3,773.0	0.00	0.00	0.00
15,029.0	90.00	179.44	10,645.0	-3,772.0	-176.7	3,774.0	0.00	0.00	0.00
15,030.0	90.00	179.44	10,645.0	-3,773.0	-176.7	3,775.0	0.00	0.00	0.00
15,031.0	90.00	179.44	10,645.0	-3,774.0	-176.7	3,776.0	0.00	0.00	0.00
15,032.0	90.00	179.44	10,645.0	-3,775.0	-176.7	3,777.0	0.00	0.00	0.00
15,033.0	90.00	179.44	10,645.0	-3,776.0	-176.7	3,778.0	0.00	0.00	0.00
15,034.0	90.00	179.44	10,645.0	-3,777.0	-176.7	3,779.0	0.00	0.00	0.00
15,035.0	90.00	179.44	10,645.0	-3,778.0	-176.7	3,780.0	0.00	0.00	0.00
15,036.0	90.00	179.44	10,645.0	-3,779.0	-176.7	3,781.0	0.00	0.00	0.00
15,037.0	90.00	179.44	10,645.0	-3,780.0	-176.7	3,782.0	0.00	0.00	0.00
15,038.0	90.00	179.44	10,645.0	-3,781.0	-176.7	3,783.0	0.00	0.00	0.00
15,039.0	90.00	179.44	10,645.0	-3,782.0	-176.6	3,784.0	0.00	0.00	0.00
15,040.0	90.00	179.44	10,645.0	-3,783.0	-176.6	3,785.0	0.00	0.00	0.00
15,041.0	90.00	179.44	10,645.0	-3,784.0	-176.6	3,786.0	0.00	0.00	0.00
15,042.0	90.00	179.44	10,645.0	-3,785.0	-176.6	3,787.0	0.00	0.00	0.00
15,043.0	90.00	179.44	10,645.0	-3,786.0	-176.6	3,788.0	0.00	0.00	0.00
15,044.0	90.00	179.44	10,645.0	-3,787.0	-176.6	3,789.0	0.00	0.00	0.00
15,045.0	90.00	179.44	10,645.0	-3,788.0	-176.6	3,790.0	0.00	0.00	0.00
15,046.0	90.00	179.44	10,645.0	-3,789.0	-176.6	3,791.0	0.00	0.00	0.00
15,047.0	90.00	179.44	10,645.0	-3,790.0	-176.6	3,792.0	0.00	0.00	0.00
15,048.0	90.00	179.44	10,645.0	-3,791.0	-176.6	3,793.0	0.00	0.00	0.00
15,049.0	90.00	179.44	10,645.0	-3,792.0	-176.5	3,794.0	0.00	0.00	0.00
15,050.0	90.00	179.44	10,645.0	-3,793.0	-176.5	3,795.0	0.00	0.00	0.00
15,051.0	90.00	179.44	10,645.0	-3,794.0	-176.5	3,796.0	0.00	0.00	0.00
15,052.0	90.00	179.44	10,645.0	-3,795.0	-176.5	3,797.0	0.00	0.00	0.00
15,053.0	90.00	179.44	10,645.0	-3,796.0	-176.5	3,798.0	0.00	0.00	0.00
15,054.0	90.00	179.44	10,645.0	-3,797.0	-176.5	3,799.0	0.00	0.00	0.00
15,055.0	90.00	179.44	10,645.0	-3,798.0	-176.5	3,800.0	0.00	0.00	0.00
15,056.0	90.00	179.44	10,645.0	-3,799.0	-176.5	3,801.0	0.00	0.00	0.00
15,057.0	90.00	179.44	10,645.0	-3,800.0	-176.5	3,802.0	0.00	0.00	0.00
15,058.0	90.00	179.44	10,645.0	-3,801.0	-176.5	3,803.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,059.0	90.00	179.44	10,645.0	-3,802.0	-176.4	3,804.0	0.00	0.00	0.00
15,060.0	90.00	179.44	10,645.0	-3,803.0	-176.4	3,805.0	0.00	0.00	0.00
15,061.0	90.00	179.44	10,645.0	-3,804.0	-176.4	3,806.0	0.00	0.00	0.00
15,062.0	90.00	179.44	10,645.0	-3,805.0	-176.4	3,807.0	0.00	0.00	0.00
15,063.0	90.00	179.44	10,645.0	-3,806.0	-176.4	3,808.0	0.00	0.00	0.00
15,064.0	90.00	179.44	10,645.0	-3,807.0	-176.4	3,809.0	0.00	0.00	0.00
15,065.0	90.00	179.44	10,645.0	-3,808.0	-176.4	3,810.0	0.00	0.00	0.00
15,066.0	90.00	179.44	10,645.0	-3,809.0	-176.4	3,811.0	0.00	0.00	0.00
15,067.0	90.00	179.44	10,645.0	-3,810.0	-176.4	3,812.0	0.00	0.00	0.00
15,068.0	90.00	179.44	10,645.0	-3,811.0	-176.4	3,813.0	0.00	0.00	0.00
15,069.0	90.00	179.44	10,645.0	-3,812.0	-176.3	3,814.0	0.00	0.00	0.00
15,070.0	90.00	179.44	10,645.0	-3,813.0	-176.3	3,815.0	0.00	0.00	0.00
15,071.0	90.00	179.44	10,645.0	-3,814.0	-176.3	3,816.0	0.00	0.00	0.00
15,072.0	90.00	179.44	10,645.0	-3,815.0	-176.3	3,817.0	0.00	0.00	0.00
15,073.0	90.00	179.44	10,645.0	-3,816.0	-176.3	3,818.0	0.00	0.00	0.00
15,074.0	90.00	179.44	10,645.0	-3,817.0	-176.3	3,819.0	0.00	0.00	0.00
15,075.0	90.00	179.44	10,645.0	-3,818.0	-176.3	3,820.0	0.00	0.00	0.00
15,076.0	90.00	179.44	10,645.0	-3,819.0	-176.3	3,821.0	0.00	0.00	0.00
15,077.0	90.00	179.44	10,645.0	-3,820.0	-176.3	3,822.0	0.00	0.00	0.00
15,078.0	90.00	179.44	10,645.0	-3,821.0	-176.3	3,823.0	0.00	0.00	0.00
15,079.0	90.00	179.44	10,645.0	-3,822.0	-176.3	3,824.0	0.00	0.00	0.00
15,080.0	90.00	179.44	10,645.0	-3,823.0	-176.2	3,825.0	0.00	0.00	0.00
15,081.0	90.00	179.44	10,645.0	-3,824.0	-176.2	3,826.0	0.00	0.00	0.00
15,082.0	90.00	179.44	10,645.0	-3,825.0	-176.2	3,827.0	0.00	0.00	0.00
15,083.0	90.00	179.44	10,645.0	-3,826.0	-176.2	3,828.0	0.00	0.00	0.00
15,084.0	90.00	179.44	10,645.0	-3,827.0	-176.2	3,829.0	0.00	0.00	0.00
15,085.0	90.00	179.44	10,645.0	-3,828.0	-176.2	3,830.0	0.00	0.00	0.00
15,086.0	90.00	179.44	10,645.0	-3,829.0	-176.2	3,831.0	0.00	0.00	0.00
15,087.0	90.00	179.44	10,645.0	-3,830.0	-176.2	3,832.0	0.00	0.00	0.00
15,088.0	90.00	179.44	10,645.0	-3,831.0	-176.2	3,833.0	0.00	0.00	0.00
15,089.0	90.00	179.44	10,645.0	-3,832.0	-176.2	3,834.0	0.00	0.00	0.00
15,090.0	90.00	179.44	10,645.0	-3,833.0	-176.1	3,835.0	0.00	0.00	0.00
15,091.0	90.00	179.44	10,645.0	-3,834.0	-176.1	3,836.0	0.00	0.00	0.00
15,092.0	90.00	179.44	10,645.0	-3,835.0	-176.1	3,837.0	0.00	0.00	0.00
15,093.0	90.00	179.44	10,645.0	-3,836.0	-176.1	3,838.0	0.00	0.00	0.00
15,094.0	90.00	179.44	10,645.0	-3,837.0	-176.1	3,839.0	0.00	0.00	0.00
15,095.0	90.00	179.44	10,645.0	-3,838.0	-176.1	3,840.0	0.00	0.00	0.00
15,096.0	90.00	179.44	10,645.0	-3,839.0	-176.1	3,841.0	0.00	0.00	0.00
15,097.0	90.00	179.44	10,645.0	-3,840.0	-176.1	3,842.0	0.00	0.00	0.00
15,098.0	90.00	179.44	10,645.0	-3,841.0	-176.1	3,843.0	0.00	0.00	0.00
15,099.0	90.00	179.44	10,645.0	-3,842.0	-176.1	3,844.0	0.00	0.00	0.00
15,100.0	90.00	179.44	10,645.0	-3,843.0	-176.0	3,845.0	0.05	0.00	0.05
15,101.0	90.00	179.44	10,645.0	-3,844.0	-176.0	3,846.0	0.00	0.00	0.00
15,102.0	90.00	179.44	10,645.0	-3,845.0	-176.0	3,846.9	0.00	0.00	0.00
15,103.0	90.00	179.44	10,645.0	-3,846.0	-176.0	3,847.9	0.00	0.00	0.00
15,104.0	90.00	179.44	10,645.0	-3,847.0	-176.0	3,848.9	0.00	0.00	0.00
15,105.0	90.00	179.44	10,645.0	-3,848.0	-176.0	3,849.9	0.00	0.00	0.00
15,106.0	90.00	179.44	10,645.0	-3,849.0	-176.0	3,850.9	0.00	0.00	0.00
15,107.0	90.00	179.44	10,645.0	-3,850.0	-176.0	3,851.9	0.00	0.00	0.00
15,108.0	90.00	179.44	10,645.0	-3,851.0	-176.0	3,852.9	0.00	0.00	0.00
15,109.0	90.00	179.44	10,645.0	-3,852.0	-176.0	3,853.9	0.00	0.00	0.00
15,110.0	90.00	179.44	10,645.0	-3,853.0	-175.9	3,854.9	0.00	0.00	0.00
15,111.0	90.00	179.44	10,645.0	-3,854.0	-175.9	3,855.9	0.00	0.00	0.00
15,112.0	90.00	179.44	10,645.0	-3,855.0	-175.9	3,856.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,113.0	90.00	179.44	10,645.0	-3,856.0	-175.9	3,857.9	0.00	0.00	0.00
15,114.0	90.00	179.44	10,645.0	-3,857.0	-175.9	3,858.9	0.00	0.00	0.00
15,115.0	90.00	179.44	10,645.0	-3,858.0	-175.9	3,859.9	0.00	0.00	0.00
15,116.0	90.00	179.44	10,645.0	-3,859.0	-175.9	3,860.9	0.00	0.00	0.00
15,117.0	90.00	179.44	10,645.0	-3,860.0	-175.9	3,861.9	0.00	0.00	0.00
15,118.0	90.00	179.44	10,645.0	-3,861.0	-175.9	3,862.9	0.00	0.00	0.00
15,119.0	90.00	179.44	10,645.0	-3,862.0	-175.9	3,863.9	0.00	0.00	0.00
15,120.0	90.00	179.44	10,645.0	-3,863.0	-175.9	3,864.9	0.00	0.00	0.00
15,121.0	90.00	179.44	10,645.0	-3,864.0	-175.8	3,865.9	0.00	0.00	0.00
15,122.0	90.00	179.44	10,645.0	-3,865.0	-175.8	3,866.9	0.00	0.00	0.00
15,123.0	90.00	179.44	10,645.0	-3,866.0	-175.8	3,867.9	0.00	0.00	0.00
15,124.0	90.00	179.44	10,645.0	-3,867.0	-175.8	3,868.9	0.00	0.00	0.00
15,125.0	90.00	179.44	10,645.0	-3,868.0	-175.8	3,869.9	0.00	0.00	0.00
15,126.0	90.00	179.44	10,645.0	-3,869.0	-175.8	3,870.9	0.00	0.00	0.00
15,127.0	90.00	179.44	10,645.0	-3,870.0	-175.8	3,871.9	0.00	0.00	0.00
15,128.0	90.00	179.44	10,645.0	-3,871.0	-175.8	3,872.9	0.00	0.00	0.00
15,129.0	90.00	179.44	10,645.0	-3,872.0	-175.8	3,873.9	0.00	0.00	0.00
15,130.0	90.00	179.44	10,645.0	-3,873.0	-175.8	3,874.9	0.00	0.00	0.00
15,131.0	90.00	179.44	10,645.0	-3,874.0	-175.7	3,875.9	0.00	0.00	0.00
15,132.0	90.00	179.44	10,645.0	-3,875.0	-175.7	3,876.9	0.00	0.00	0.00
15,133.0	90.00	179.44	10,645.0	-3,876.0	-175.7	3,877.9	0.00	0.00	0.00
15,134.0	90.00	179.44	10,645.0	-3,877.0	-175.7	3,878.9	0.00	0.00	0.00
15,135.0	90.00	179.44	10,645.0	-3,878.0	-175.7	3,879.9	0.00	0.00	0.00
15,136.0	90.00	179.44	10,645.0	-3,879.0	-175.7	3,880.9	0.00	0.00	0.00
15,137.0	90.00	179.44	10,645.0	-3,880.0	-175.7	3,881.9	0.00	0.00	0.00
15,138.0	90.00	179.44	10,645.0	-3,881.0	-175.7	3,882.9	0.00	0.00	0.00
15,139.0	90.00	179.44	10,645.0	-3,882.0	-175.7	3,883.9	0.00	0.00	0.00
15,140.0	90.00	179.44	10,645.0	-3,883.0	-175.7	3,884.9	0.00	0.00	0.00
15,141.0	90.00	179.44	10,645.0	-3,884.0	-175.6	3,885.9	0.00	0.00	0.00
15,142.0	90.00	179.44	10,645.0	-3,885.0	-175.6	3,886.9	0.00	0.00	0.00
15,143.0	90.00	179.44	10,645.0	-3,886.0	-175.6	3,887.9	0.00	0.00	0.00
15,144.0	90.00	179.44	10,645.0	-3,887.0	-175.6	3,888.9	0.00	0.00	0.00
15,145.0	90.00	179.44	10,645.0	-3,888.0	-175.6	3,889.9	0.00	0.00	0.00
15,146.0	90.00	179.44	10,645.0	-3,889.0	-175.6	3,890.9	0.00	0.00	0.00
15,147.0	90.00	179.44	10,645.0	-3,890.0	-175.6	3,891.9	0.00	0.00	0.00
15,148.0	90.00	179.44	10,645.0	-3,891.0	-175.6	3,892.9	0.00	0.00	0.00
15,149.0	90.00	179.44	10,645.0	-3,892.0	-175.6	3,893.9	0.00	0.00	0.00
15,150.0	90.00	179.44	10,645.0	-3,893.0	-175.6	3,894.9	0.00	0.00	0.00
15,151.0	90.00	179.44	10,645.0	-3,894.0	-175.5	3,895.9	0.00	0.00	0.00
15,152.0	90.00	179.44	10,645.0	-3,895.0	-175.5	3,896.9	0.00	0.00	0.00
15,153.0	90.00	179.44	10,645.0	-3,896.0	-175.5	3,897.9	0.00	0.00	0.00
15,154.0	90.00	179.44	10,645.0	-3,897.0	-175.5	3,898.9	0.00	0.00	0.00
15,155.0	90.00	179.44	10,645.0	-3,898.0	-175.5	3,899.9	0.00	0.00	0.00
15,156.0	90.00	179.44	10,645.0	-3,899.0	-175.5	3,900.9	0.00	0.00	0.00
15,157.0	90.00	179.44	10,645.0	-3,900.0	-175.5	3,901.9	0.00	0.00	0.00
15,158.0	90.00	179.44	10,645.0	-3,901.0	-175.5	3,902.9	0.00	0.00	0.00
15,159.0	90.00	179.44	10,645.0	-3,902.0	-175.5	3,903.9	0.00	0.00	0.00
15,160.0	90.00	179.44	10,645.0	-3,903.0	-175.5	3,904.9	0.00	0.00	0.00
15,161.0	90.00	179.44	10,645.0	-3,904.0	-175.5	3,905.9	0.00	0.00	0.00
15,162.0	90.00	179.44	10,645.0	-3,905.0	-175.4	3,906.9	0.00	0.00	0.00
15,163.0	90.00	179.44	10,645.0	-3,906.0	-175.4	3,907.9	0.00	0.00	0.00
15,164.0	90.00	179.44	10,645.0	-3,907.0	-175.4	3,908.9	0.00	0.00	0.00
15,165.0	90.00	179.44	10,645.0	-3,908.0	-175.4	3,909.9	0.00	0.00	0.00
15,166.0	90.00	179.44	10,645.0	-3,909.0	-175.4	3,910.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,167.0	90.00	179.44	10,645.0	-3,910.0	-175.4	3,911.9	0.00	0.00	0.00	
15,168.0	90.00	179.44	10,645.0	-3,911.0	-175.4	3,912.9	0.00	0.00	0.00	
15,169.0	90.00	179.44	10,645.0	-3,912.0	-175.4	3,913.9	0.00	0.00	0.00	
15,170.0	90.00	179.44	10,645.0	-3,913.0	-175.4	3,914.9	0.00	0.00	0.00	
15,171.0	90.00	179.44	10,645.0	-3,914.0	-175.4	3,915.9	0.00	0.00	0.00	
15,172.0	90.00	179.44	10,645.0	-3,915.0	-175.3	3,916.9	0.00	0.00	0.00	
15,173.0	90.00	179.44	10,645.0	-3,916.0	-175.3	3,917.9	0.00	0.00	0.00	
15,174.0	90.00	179.44	10,645.0	-3,917.0	-175.3	3,918.9	0.00	0.00	0.00	
15,175.0	90.00	179.44	10,645.0	-3,918.0	-175.3	3,919.9	0.00	0.00	0.00	
15,176.0	90.00	179.44	10,645.0	-3,919.0	-175.3	3,920.9	0.00	0.00	0.00	
15,177.0	90.00	179.44	10,645.0	-3,920.0	-175.3	3,921.9	0.00	0.00	0.00	
15,178.0	90.00	179.44	10,645.0	-3,921.0	-175.3	3,922.9	0.00	0.00	0.00	
15,179.0	90.00	179.44	10,645.0	-3,922.0	-175.3	3,923.9	0.00	0.00	0.00	
15,180.0	90.00	179.44	10,645.0	-3,923.0	-175.3	3,924.9	0.00	0.00	0.00	
15,181.0	90.00	179.44	10,645.0	-3,924.0	-175.3	3,925.9	0.00	0.00	0.00	
15,182.0	90.00	179.44	10,645.0	-3,925.0	-175.2	3,926.9	0.00	0.00	0.00	
15,183.0	90.00	179.44	10,645.0	-3,926.0	-175.2	3,927.9	0.00	0.00	0.00	
15,184.0	90.00	179.44	10,645.0	-3,927.0	-175.2	3,928.9	0.00	0.00	0.00	
15,185.0	90.00	179.44	10,645.0	-3,928.0	-175.2	3,929.9	0.00	0.00	0.00	
15,186.0	90.00	179.44	10,645.0	-3,929.0	-175.2	3,930.9	0.00	0.00	0.00	
15,187.0	90.00	179.44	10,645.0	-3,930.0	-175.2	3,931.9	0.00	0.00	0.00	
15,188.0	90.00	179.44	10,645.0	-3,931.0	-175.2	3,932.9	0.00	0.00	0.00	
15,189.0	90.00	179.44	10,645.0	-3,932.0	-175.2	3,933.9	0.00	0.00	0.00	
15,190.0	90.00	179.44	10,645.0	-3,933.0	-175.2	3,934.9	0.00	0.00	0.00	
15,191.0	90.00	179.44	10,645.0	-3,934.0	-175.2	3,935.9	0.00	0.00	0.00	
15,192.0	90.00	179.44	10,645.0	-3,935.0	-175.1	3,936.9	0.00	0.00	0.00	
15,193.0	90.00	179.44	10,645.0	-3,936.0	-175.1	3,937.9	0.00	0.00	0.00	
15,194.0	90.00	179.44	10,645.0	-3,937.0	-175.1	3,938.9	0.00	0.00	0.00	
15,195.0	90.00	179.44	10,645.0	-3,938.0	-175.1	3,939.9	0.00	0.00	0.00	
15,196.0	90.00	179.44	10,645.0	-3,939.0	-175.1	3,940.9	0.00	0.00	0.00	
15,197.0	90.00	179.44	10,645.0	-3,940.0	-175.1	3,941.9	0.00	0.00	0.00	
15,198.0	90.00	179.44	10,645.0	-3,941.0	-175.1	3,942.9	0.00	0.00	0.00	
15,199.0	90.00	179.44	10,645.0	-3,942.0	-175.1	3,943.9	0.00	0.00	0.00	
15,200.0	90.00	179.44	10,645.0	-3,943.0	-175.1	3,944.9	0.05	0.00	0.05	
15,201.0	90.00	179.44	10,645.0	-3,944.0	-175.1	3,945.9	0.00	0.00	0.00	
15,202.0	90.00	179.44	10,645.0	-3,945.0	-175.0	3,946.9	0.00	0.00	0.00	
15,203.0	90.00	179.44	10,645.0	-3,946.0	-175.0	3,947.9	0.00	0.00	0.00	
15,204.0	90.00	179.44	10,645.0	-3,947.0	-175.0	3,948.9	0.00	0.00	0.00	
15,205.0	90.00	179.44	10,645.0	-3,948.0	-175.0	3,949.9	0.00	0.00	0.00	
15,206.0	90.00	179.44	10,645.0	-3,949.0	-175.0	3,950.9	0.00	0.00	0.00	
15,207.0	90.00	179.44	10,645.0	-3,950.0	-175.0	3,951.9	0.00	0.00	0.00	
15,208.0	90.00	179.44	10,645.0	-3,951.0	-175.0	3,952.9	0.00	0.00	0.00	
15,209.0	90.00	179.44	10,645.0	-3,952.0	-175.0	3,953.9	0.00	0.00	0.00	
15,210.0	90.00	179.44	10,645.0	-3,953.0	-175.0	3,954.9	0.00	0.00	0.00	
15,211.0	90.00	179.44	10,645.0	-3,954.0	-175.0	3,955.9	0.00	0.00	0.00	
15,212.0	90.00	179.44	10,645.0	-3,955.0	-175.0	3,956.9	0.00	0.00	0.00	
15,213.0	90.00	179.44	10,645.0	-3,956.0	-174.9	3,957.9	0.00	0.00	0.00	
15,214.0	90.00	179.44	10,645.0	-3,957.0	-174.9	3,958.9	0.00	0.00	0.00	
15,215.0	90.00	179.44	10,645.0	-3,958.0	-174.9	3,959.9	0.00	0.00	0.00	
15,216.0	90.00	179.44	10,645.0	-3,959.0	-174.9	3,960.9	0.00	0.00	0.00	
15,217.0	90.00	179.44	10,645.0	-3,960.0	-174.9	3,961.9	0.00	0.00	0.00	
15,218.0	90.00	179.44	10,645.0	-3,961.0	-174.9	3,962.9	0.00	0.00	0.00	
15,219.0	90.00	179.44	10,645.0	-3,962.0	-174.9	3,963.9	0.00	0.00	0.00	
15,220.0	90.00	179.44	10,645.0	-3,963.0	-174.9	3,964.9	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,221.0	90.00	179.44	10,645.0	-3,964.0	-174.9	3,965.9	0.00	0.00	0.00
15,222.0	90.00	179.44	10,645.0	-3,965.0	-174.9	3,966.9	0.00	0.00	0.00
15,223.0	90.00	179.44	10,645.0	-3,966.0	-174.8	3,967.9	0.00	0.00	0.00
15,224.0	90.00	179.44	10,645.0	-3,967.0	-174.8	3,968.9	0.00	0.00	0.00
15,225.0	90.00	179.44	10,645.0	-3,968.0	-174.8	3,969.9	0.00	0.00	0.00
15,226.0	90.00	179.44	10,645.0	-3,969.0	-174.8	3,970.9	0.00	0.00	0.00
15,227.0	90.00	179.44	10,645.0	-3,970.0	-174.8	3,971.9	0.00	0.00	0.00
15,228.0	90.00	179.44	10,645.0	-3,971.0	-174.8	3,972.9	0.00	0.00	0.00
15,229.0	90.00	179.44	10,645.0	-3,972.0	-174.8	3,973.9	0.00	0.00	0.00
15,230.0	90.00	179.44	10,645.0	-3,973.0	-174.8	3,974.9	0.00	0.00	0.00
15,231.0	90.00	179.44	10,645.0	-3,974.0	-174.8	3,975.9	0.00	0.00	0.00
15,232.0	90.00	179.44	10,645.0	-3,975.0	-174.8	3,976.9	0.00	0.00	0.00
15,233.0	90.00	179.44	10,645.0	-3,976.0	-174.7	3,977.9	0.00	0.00	0.00
15,234.0	90.00	179.44	10,645.0	-3,977.0	-174.7	3,978.9	0.00	0.00	0.00
15,235.0	90.00	179.44	10,645.0	-3,978.0	-174.7	3,979.9	0.00	0.00	0.00
15,236.0	90.00	179.44	10,645.0	-3,979.0	-174.7	3,980.9	0.00	0.00	0.00
15,237.0	90.00	179.44	10,645.0	-3,980.0	-174.7	3,981.9	0.00	0.00	0.00
15,238.0	90.00	179.44	10,645.0	-3,981.0	-174.7	3,982.9	0.00	0.00	0.00
15,239.0	90.00	179.44	10,645.0	-3,982.0	-174.7	3,983.9	0.00	0.00	0.00
15,240.0	90.00	179.44	10,645.0	-3,983.0	-174.7	3,984.9	0.00	0.00	0.00
15,241.0	90.00	179.44	10,645.0	-3,984.0	-174.7	3,985.9	0.00	0.00	0.00
15,242.0	90.00	179.44	10,645.0	-3,985.0	-174.7	3,986.9	0.00	0.00	0.00
15,243.0	90.00	179.44	10,645.0	-3,986.0	-174.6	3,987.9	0.00	0.00	0.00
15,244.0	90.00	179.44	10,645.0	-3,987.0	-174.6	3,988.9	0.00	0.00	0.00
15,245.0	90.00	179.44	10,645.0	-3,988.0	-174.6	3,989.9	0.00	0.00	0.00
15,246.0	90.00	179.44	10,645.0	-3,989.0	-174.6	3,990.9	0.00	0.00	0.00
15,247.0	90.00	179.44	10,645.0	-3,990.0	-174.6	3,991.9	0.00	0.00	0.00
15,248.0	90.00	179.44	10,645.0	-3,991.0	-174.6	3,992.9	0.00	0.00	0.00
15,249.0	90.00	179.44	10,645.0	-3,992.0	-174.6	3,993.9	0.00	0.00	0.00
15,250.0	90.00	179.44	10,645.0	-3,993.0	-174.6	3,994.9	0.00	0.00	0.00
15,251.0	90.00	179.44	10,645.0	-3,994.0	-174.6	3,995.9	0.00	0.00	0.00
15,252.0	90.00	179.44	10,645.0	-3,995.0	-174.6	3,996.9	0.00	0.00	0.00
15,253.0	90.00	179.44	10,645.0	-3,996.0	-174.6	3,997.9	0.00	0.00	0.00
15,254.0	90.00	179.44	10,645.0	-3,997.0	-174.5	3,998.9	0.00	0.00	0.00
15,255.0	90.00	179.44	10,645.0	-3,998.0	-174.5	3,999.9	0.00	0.00	0.00
15,256.0	90.00	179.44	10,645.0	-3,999.0	-174.5	4,000.9	0.00	0.00	0.00
15,257.0	90.00	179.44	10,645.0	-4,000.0	-174.5	4,001.9	0.00	0.00	0.00
15,258.0	90.00	179.44	10,645.0	-4,001.0	-174.5	4,002.9	0.00	0.00	0.00
15,259.0	90.00	179.44	10,645.0	-4,002.0	-174.5	4,003.9	0.00	0.00	0.00
15,260.0	90.00	179.44	10,645.0	-4,003.0	-174.5	4,004.9	0.00	0.00	0.00
15,261.0	90.00	179.44	10,645.0	-4,004.0	-174.5	4,005.9	0.00	0.00	0.00
15,262.0	90.00	179.44	10,645.0	-4,005.0	-174.5	4,006.9	0.00	0.00	0.00
15,263.0	90.00	179.44	10,645.0	-4,006.0	-174.5	4,007.9	0.00	0.00	0.00
15,264.0	90.00	179.44	10,645.0	-4,007.0	-174.4	4,008.9	0.00	0.00	0.00
15,265.0	90.00	179.44	10,645.0	-4,008.0	-174.4	4,009.9	0.00	0.00	0.00
15,266.0	90.00	179.44	10,645.0	-4,009.0	-174.4	4,010.9	0.00	0.00	0.00
15,267.0	90.00	179.44	10,645.0	-4,010.0	-174.4	4,011.9	0.00	0.00	0.00
15,268.0	90.00	179.44	10,645.0	-4,011.0	-174.4	4,012.9	0.00	0.00	0.00
15,269.0	90.00	179.44	10,645.0	-4,012.0	-174.4	4,013.9	0.00	0.00	0.00
15,270.0	90.00	179.44	10,645.0	-4,013.0	-174.4	4,014.9	0.00	0.00	0.00
15,271.0	90.00	179.44	10,645.0	-4,014.0	-174.4	4,015.9	0.00	0.00	0.00
15,272.0	90.00	179.44	10,645.0	-4,015.0	-174.4	4,016.9	0.00	0.00	0.00
15,273.0	90.00	179.44	10,645.0	-4,016.0	-174.4	4,017.9	0.00	0.00	0.00
15,274.0	90.00	179.44	10,645.0	-4,017.0	-174.3	4,018.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,275.0	90.00	179.44	10,645.0	-4,018.0	-174.3	4,019.9	0.00	0.00	0.00	
15,276.0	90.00	179.44	10,645.0	-4,019.0	-174.3	4,020.9	0.00	0.00	0.00	
15,277.0	90.00	179.44	10,645.0	-4,020.0	-174.3	4,021.9	0.00	0.00	0.00	
15,278.0	90.00	179.44	10,645.0	-4,021.0	-174.3	4,022.9	0.00	0.00	0.00	
15,279.0	90.00	179.44	10,645.0	-4,022.0	-174.3	4,023.9	0.00	0.00	0.00	
15,280.0	90.00	179.44	10,645.0	-4,023.0	-174.3	4,024.9	0.00	0.00	0.00	
15,281.0	90.00	179.44	10,645.0	-4,024.0	-174.3	4,025.9	0.00	0.00	0.00	
15,282.0	90.00	179.44	10,645.0	-4,025.0	-174.3	4,026.9	0.00	0.00	0.00	
15,283.0	90.00	179.44	10,645.0	-4,026.0	-174.3	4,027.9	0.00	0.00	0.00	
15,284.0	90.00	179.44	10,645.0	-4,027.0	-174.2	4,028.9	0.00	0.00	0.00	
15,285.0	90.00	179.44	10,645.0	-4,028.0	-174.2	4,029.9	0.00	0.00	0.00	
15,286.0	90.00	179.44	10,645.0	-4,029.0	-174.2	4,030.9	0.00	0.00	0.00	
15,287.0	90.00	179.44	10,645.0	-4,030.0	-174.2	4,031.9	0.00	0.00	0.00	
15,288.0	90.00	179.44	10,645.0	-4,031.0	-174.2	4,032.9	0.00	0.00	0.00	
15,289.0	90.00	179.44	10,645.0	-4,032.0	-174.2	4,033.9	0.00	0.00	0.00	
15,290.0	90.00	179.44	10,645.0	-4,033.0	-174.2	4,034.9	0.00	0.00	0.00	
15,291.0	90.00	179.44	10,645.0	-4,034.0	-174.2	4,035.9	0.00	0.00	0.00	
15,292.0	90.00	179.44	10,645.0	-4,035.0	-174.2	4,036.9	0.00	0.00	0.00	
15,293.0	90.00	179.44	10,645.0	-4,036.0	-174.2	4,037.9	0.00	0.00	0.00	
15,294.0	90.00	179.44	10,645.0	-4,037.0	-174.2	4,038.9	0.00	0.00	0.00	
15,295.0	90.00	179.44	10,645.0	-4,038.0	-174.1	4,039.9	0.00	0.00	0.00	
15,296.0	90.00	179.44	10,645.0	-4,039.0	-174.1	4,040.9	0.00	0.00	0.00	
15,297.0	90.00	179.44	10,645.0	-4,040.0	-174.1	4,041.9	0.00	0.00	0.00	
15,298.0	90.00	179.44	10,645.0	-4,041.0	-174.1	4,042.9	0.00	0.00	0.00	
15,299.0	90.00	179.44	10,645.0	-4,042.0	-174.1	4,043.9	0.00	0.00	0.00	
15,300.0	90.00	179.44	10,645.0	-4,043.0	-174.1	4,044.9	0.05	0.00	0.05	
15,301.0	90.00	179.44	10,645.0	-4,044.0	-174.1	4,045.9	0.00	0.00	0.00	
15,302.0	90.00	179.44	10,645.0	-4,045.0	-174.1	4,046.9	0.00	0.00	0.00	
15,303.0	90.00	179.44	10,645.0	-4,046.0	-174.1	4,047.9	0.00	0.00	0.00	
15,304.0	90.00	179.44	10,645.0	-4,047.0	-174.1	4,048.9	0.00	0.00	0.00	
15,305.0	90.00	179.44	10,645.0	-4,048.0	-174.0	4,049.9	0.00	0.00	0.00	
15,306.0	90.00	179.44	10,645.0	-4,049.0	-174.0	4,050.9	0.00	0.00	0.00	
15,307.0	90.00	179.44	10,645.0	-4,050.0	-174.0	4,051.9	0.00	0.00	0.00	
15,308.0	90.00	179.44	10,645.0	-4,051.0	-174.0	4,052.9	0.00	0.00	0.00	
15,309.0	90.00	179.44	10,645.0	-4,052.0	-174.0	4,053.9	0.00	0.00	0.00	
15,310.0	90.00	179.44	10,645.0	-4,053.0	-174.0	4,054.9	0.00	0.00	0.00	
15,311.0	90.00	179.44	10,645.0	-4,054.0	-174.0	4,055.9	0.00	0.00	0.00	
15,312.0	90.00	179.44	10,645.0	-4,055.0	-174.0	4,056.9	0.00	0.00	0.00	
15,313.0	90.00	179.44	10,645.0	-4,056.0	-174.0	4,057.9	0.00	0.00	0.00	
15,314.0	90.00	179.44	10,645.0	-4,057.0	-174.0	4,058.9	0.00	0.00	0.00	
15,315.0	90.00	179.44	10,645.0	-4,058.0	-173.9	4,059.9	0.00	0.00	0.00	
15,316.0	90.00	179.44	10,645.0	-4,059.0	-173.9	4,060.9	0.00	0.00	0.00	
15,317.0	90.00	179.44	10,645.0	-4,060.0	-173.9	4,061.9	0.00	0.00	0.00	
15,318.0	90.00	179.44	10,645.0	-4,061.0	-173.9	4,062.9	0.00	0.00	0.00	
15,319.0	90.00	179.44	10,645.0	-4,062.0	-173.9	4,063.9	0.00	0.00	0.00	
15,320.0	90.00	179.44	10,645.0	-4,063.0	-173.9	4,064.9	0.00	0.00	0.00	
15,321.0	90.00	179.44	10,645.0	-4,064.0	-173.9	4,065.9	0.00	0.00	0.00	
15,322.0	90.00	179.44	10,645.0	-4,065.0	-173.9	4,066.9	0.00	0.00	0.00	
15,323.0	90.00	179.44	10,645.0	-4,066.0	-173.9	4,067.9	0.00	0.00	0.00	
15,324.0	90.00	179.44	10,645.0	-4,067.0	-173.9	4,068.9	0.00	0.00	0.00	
15,325.0	90.00	179.44	10,645.0	-4,068.0	-173.8	4,069.9	0.00	0.00	0.00	
15,326.0	90.00	179.44	10,645.0	-4,069.0	-173.8	4,070.9	0.00	0.00	0.00	
15,327.0	90.00	179.44	10,645.0	-4,070.0	-173.8	4,071.9	0.00	0.00	0.00	
15,328.0	90.00	179.44	10,645.0	-4,071.0	-173.8	4,072.9	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,329.0	90.00	179.44	10,645.0	-4,072.0	-173.8	4,073.9	0.00	0.00	0.00
15,330.0	90.00	179.44	10,645.0	-4,073.0	-173.8	4,074.9	0.00	0.00	0.00
15,331.0	90.00	179.44	10,645.0	-4,074.0	-173.8	4,075.9	0.00	0.00	0.00
15,332.0	90.00	179.44	10,645.0	-4,075.0	-173.8	4,076.9	0.00	0.00	0.00
15,333.0	90.00	179.44	10,645.0	-4,076.0	-173.8	4,077.9	0.00	0.00	0.00
15,334.0	90.00	179.44	10,645.0	-4,077.0	-173.8	4,078.9	0.00	0.00	0.00
15,335.0	90.00	179.44	10,645.0	-4,078.0	-173.8	4,079.9	0.00	0.00	0.00
15,336.0	90.00	179.44	10,645.0	-4,079.0	-173.7	4,080.9	0.00	0.00	0.00
15,337.0	90.00	179.44	10,645.0	-4,080.0	-173.7	4,081.9	0.00	0.00	0.00
15,338.0	90.00	179.44	10,645.0	-4,081.0	-173.7	4,082.9	0.00	0.00	0.00
15,339.0	90.00	179.44	10,645.0	-4,082.0	-173.7	4,083.9	0.00	0.00	0.00
15,340.0	90.00	179.44	10,645.0	-4,083.0	-173.7	4,084.9	0.00	0.00	0.00
15,341.0	90.00	179.44	10,645.0	-4,084.0	-173.7	4,085.9	0.00	0.00	0.00
15,342.0	90.00	179.44	10,645.0	-4,085.0	-173.7	4,086.9	0.00	0.00	0.00
15,343.0	90.00	179.44	10,645.0	-4,086.0	-173.7	4,087.9	0.00	0.00	0.00
15,344.0	90.00	179.44	10,645.0	-4,087.0	-173.7	4,088.9	0.00	0.00	0.00
15,345.0	90.00	179.44	10,645.0	-4,088.0	-173.7	4,089.9	0.00	0.00	0.00
15,346.0	90.00	179.44	10,645.0	-4,089.0	-173.6	4,090.9	0.00	0.00	0.00
15,347.0	90.00	179.44	10,645.0	-4,090.0	-173.6	4,091.9	0.00	0.00	0.00
15,348.0	90.00	179.44	10,645.0	-4,091.0	-173.6	4,092.9	0.00	0.00	0.00
15,349.0	90.00	179.44	10,645.0	-4,092.0	-173.6	4,093.9	0.00	0.00	0.00
15,350.0	90.00	179.44	10,645.0	-4,093.0	-173.6	4,094.9	0.00	0.00	0.00
15,351.0	90.00	179.44	10,645.0	-4,094.0	-173.6	4,095.9	0.00	0.00	0.00
15,352.0	90.00	179.44	10,645.0	-4,095.0	-173.6	4,096.9	0.00	0.00	0.00
15,353.0	90.00	179.44	10,645.0	-4,096.0	-173.6	4,097.9	0.00	0.00	0.00
15,354.0	90.00	179.44	10,645.0	-4,097.0	-173.6	4,098.9	0.00	0.00	0.00
15,355.0	90.00	179.44	10,645.0	-4,098.0	-173.6	4,099.9	0.00	0.00	0.00
15,356.0	90.00	179.44	10,645.0	-4,099.0	-173.5	4,100.9	0.00	0.00	0.00
15,357.0	90.00	179.44	10,645.0	-4,100.0	-173.5	4,101.9	0.00	0.00	0.00
15,358.0	90.00	179.44	10,645.0	-4,101.0	-173.5	4,102.9	0.00	0.00	0.00
15,359.0	90.00	179.44	10,645.0	-4,102.0	-173.5	4,103.9	0.00	0.00	0.00
15,360.0	90.00	179.44	10,645.0	-4,103.0	-173.5	4,104.9	0.00	0.00	0.00
15,361.0	90.00	179.44	10,645.0	-4,104.0	-173.5	4,105.9	0.00	0.00	0.00
15,362.0	90.00	179.44	10,645.0	-4,105.0	-173.5	4,106.9	0.00	0.00	0.00
15,363.0	90.00	179.44	10,645.0	-4,106.0	-173.5	4,107.9	0.00	0.00	0.00
15,364.0	90.00	179.44	10,645.0	-4,107.0	-173.5	4,108.9	0.00	0.00	0.00
15,365.0	90.00	179.44	10,645.0	-4,108.0	-173.5	4,109.9	0.00	0.00	0.00
15,366.0	90.00	179.44	10,645.0	-4,109.0	-173.4	4,110.9	0.00	0.00	0.00
15,367.0	90.00	179.44	10,645.0	-4,110.0	-173.4	4,111.9	0.00	0.00	0.00
15,368.0	90.00	179.44	10,645.0	-4,111.0	-173.4	4,112.9	0.00	0.00	0.00
15,369.0	90.00	179.44	10,645.0	-4,112.0	-173.4	4,113.9	0.00	0.00	0.00
15,370.0	90.00	179.44	10,645.0	-4,113.0	-173.4	4,114.9	0.00	0.00	0.00
15,371.0	90.00	179.44	10,645.0	-4,114.0	-173.4	4,115.9	0.00	0.00	0.00
15,372.0	90.00	179.44	10,645.0	-4,115.0	-173.4	4,116.9	0.00	0.00	0.00
15,373.0	90.00	179.44	10,645.0	-4,116.0	-173.4	4,117.9	0.00	0.00	0.00
15,374.0	90.00	179.44	10,645.0	-4,117.0	-173.4	4,118.9	0.00	0.00	0.00
15,375.0	90.00	179.44	10,645.0	-4,118.0	-173.4	4,119.9	0.00	0.00	0.00
15,376.0	90.00	179.44	10,645.0	-4,119.0	-173.4	4,120.9	0.00	0.00	0.00
15,377.0	90.00	179.44	10,645.0	-4,120.0	-173.3	4,121.9	0.00	0.00	0.00
15,378.0	90.00	179.44	10,645.0	-4,121.0	-173.3	4,122.9	0.00	0.00	0.00
15,379.0	90.00	179.44	10,645.0	-4,122.0	-173.3	4,123.9	0.00	0.00	0.00
15,380.0	90.00	179.44	10,645.0	-4,123.0	-173.3	4,124.9	0.00	0.00	0.00
15,381.0	90.00	179.44	10,645.0	-4,124.0	-173.3	4,125.9	0.00	0.00	0.00
15,382.0	90.00	179.44	10,645.0	-4,125.0	-173.3	4,126.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,383.0	90.00	179.44	10,645.0	-4,126.0	-173.3	4,127.9	0.00	0.00	0.00
15,384.0	90.00	179.44	10,645.0	-4,127.0	-173.3	4,128.9	0.00	0.00	0.00
15,385.0	90.00	179.44	10,645.0	-4,128.0	-173.3	4,129.9	0.00	0.00	0.00
15,386.0	90.00	179.44	10,645.0	-4,129.0	-173.3	4,130.9	0.00	0.00	0.00
15,387.0	90.00	179.44	10,645.0	-4,130.0	-173.2	4,131.9	0.00	0.00	0.00
15,388.0	90.00	179.44	10,645.0	-4,131.0	-173.2	4,132.9	0.00	0.00	0.00
15,389.0	90.00	179.44	10,645.0	-4,132.0	-173.2	4,133.9	0.00	0.00	0.00
15,390.0	90.00	179.44	10,645.0	-4,133.0	-173.2	4,134.9	0.00	0.00	0.00
15,391.0	90.00	179.44	10,645.0	-4,134.0	-173.2	4,135.9	0.00	0.00	0.00
15,392.0	90.00	179.44	10,645.0	-4,135.0	-173.2	4,136.9	0.00	0.00	0.00
15,393.0	90.00	179.44	10,645.0	-4,136.0	-173.2	4,137.9	0.00	0.00	0.00
15,394.0	90.00	179.44	10,645.0	-4,137.0	-173.2	4,138.9	0.00	0.00	0.00
15,395.0	90.00	179.44	10,645.0	-4,138.0	-173.2	4,139.9	0.00	0.00	0.00
15,396.0	90.00	179.44	10,645.0	-4,139.0	-173.2	4,140.9	0.00	0.00	0.00
15,397.0	90.00	179.44	10,645.0	-4,140.0	-173.1	4,141.9	0.00	0.00	0.00
15,398.0	90.00	179.44	10,645.0	-4,141.0	-173.1	4,142.9	0.00	0.00	0.00
15,399.0	90.00	179.44	10,645.0	-4,142.0	-173.1	4,143.9	0.00	0.00	0.00
15,400.0	90.00	179.44	10,645.0	-4,143.0	-173.1	4,144.9	0.05	0.00	0.05
15,401.0	90.00	179.44	10,645.0	-4,144.0	-173.1	4,145.9	0.00	0.00	0.00
15,402.0	90.00	179.44	10,645.0	-4,145.0	-173.1	4,146.9	0.00	0.00	0.00
15,403.0	90.00	179.44	10,645.0	-4,146.0	-173.1	4,147.9	0.00	0.00	0.00
15,404.0	90.00	179.44	10,645.0	-4,147.0	-173.1	4,148.9	0.00	0.00	0.00
15,405.0	90.00	179.44	10,645.0	-4,148.0	-173.1	4,149.9	0.00	0.00	0.00
15,406.0	90.00	179.44	10,645.0	-4,149.0	-173.1	4,150.9	0.00	0.00	0.00
15,407.0	90.00	179.44	10,645.0	-4,150.0	-173.0	4,151.9	0.00	0.00	0.00
15,408.0	90.00	179.44	10,645.0	-4,151.0	-173.0	4,152.9	0.00	0.00	0.00
15,409.0	90.00	179.44	10,645.0	-4,152.0	-173.0	4,153.9	0.00	0.00	0.00
15,410.0	90.00	179.44	10,645.0	-4,153.0	-173.0	4,154.9	0.00	0.00	0.00
15,411.0	90.00	179.44	10,645.0	-4,154.0	-173.0	4,155.9	0.00	0.00	0.00
15,412.0	90.00	179.44	10,645.0	-4,155.0	-173.0	4,156.9	0.00	0.00	0.00
15,413.0	90.00	179.44	10,645.0	-4,156.0	-173.0	4,157.9	0.00	0.00	0.00
15,414.0	90.00	179.44	10,645.0	-4,157.0	-173.0	4,158.9	0.00	0.00	0.00
15,415.0	90.00	179.44	10,645.0	-4,158.0	-173.0	4,159.9	0.00	0.00	0.00
15,416.0	90.00	179.44	10,645.0	-4,159.0	-173.0	4,160.9	0.00	0.00	0.00
15,417.0	90.00	179.44	10,645.0	-4,160.0	-173.0	4,161.9	0.00	0.00	0.00
15,418.0	90.00	179.44	10,645.0	-4,161.0	-172.9	4,162.9	0.00	0.00	0.00
15,419.0	90.00	179.44	10,645.0	-4,162.0	-172.9	4,163.9	0.00	0.00	0.00
15,420.0	90.00	179.44	10,645.0	-4,163.0	-172.9	4,164.9	0.00	0.00	0.00
15,421.0	90.00	179.44	10,645.0	-4,164.0	-172.9	4,165.9	0.00	0.00	0.00
15,422.0	90.00	179.44	10,645.0	-4,165.0	-172.9	4,166.9	0.00	0.00	0.00
15,423.0	90.00	179.44	10,645.0	-4,166.0	-172.9	4,167.9	0.00	0.00	0.00
15,424.0	90.00	179.44	10,645.0	-4,167.0	-172.9	4,168.9	0.00	0.00	0.00
15,425.0	90.00	179.44	10,645.0	-4,168.0	-172.9	4,169.9	0.00	0.00	0.00
15,426.0	90.00	179.44	10,645.0	-4,169.0	-172.9	4,170.9	0.00	0.00	0.00
15,427.0	90.00	179.44	10,645.0	-4,170.0	-172.9	4,171.9	0.00	0.00	0.00
15,428.0	90.00	179.44	10,645.0	-4,171.0	-172.8	4,172.9	0.00	0.00	0.00
15,429.0	90.00	179.44	10,645.0	-4,172.0	-172.8	4,173.9	0.00	0.00	0.00
15,430.0	90.00	179.44	10,645.0	-4,173.0	-172.8	4,174.9	0.00	0.00	0.00
15,431.0	90.00	179.44	10,645.0	-4,174.0	-172.8	4,175.9	0.00	0.00	0.00
15,432.0	90.00	179.44	10,645.0	-4,175.0	-172.8	4,176.9	0.00	0.00	0.00
15,433.0	90.00	179.44	10,645.0	-4,176.0	-172.8	4,177.9	0.00	0.00	0.00
15,434.0	90.00	179.44	10,645.0	-4,177.0	-172.8	4,178.9	0.00	0.00	0.00
15,435.0	90.00	179.44	10,645.0	-4,178.0	-172.8	4,179.9	0.00	0.00	0.00
15,436.0	90.00	179.44	10,645.0	-4,179.0	-172.8	4,180.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,437.0	90.00	179.44	10,645.0	-4,180.0	-172.8	4,181.9	0.00	0.00	0.00
15,438.0	90.00	179.44	10,645.0	-4,181.0	-172.7	4,182.9	0.00	0.00	0.00
15,439.0	90.00	179.44	10,645.0	-4,182.0	-172.7	4,183.9	0.00	0.00	0.00
15,440.0	90.00	179.44	10,645.0	-4,183.0	-172.7	4,184.9	0.00	0.00	0.00
15,441.0	90.00	179.44	10,645.0	-4,184.0	-172.7	4,185.9	0.00	0.00	0.00
15,442.0	90.00	179.44	10,645.0	-4,185.0	-172.7	4,186.9	0.00	0.00	0.00
15,443.0	90.00	179.44	10,645.0	-4,186.0	-172.7	4,187.9	0.00	0.00	0.00
15,444.0	90.00	179.44	10,645.0	-4,187.0	-172.7	4,188.9	0.00	0.00	0.00
15,445.0	90.00	179.44	10,645.0	-4,188.0	-172.7	4,189.9	0.00	0.00	0.00
15,446.0	90.00	179.44	10,645.0	-4,189.0	-172.7	4,190.9	0.00	0.00	0.00
15,447.0	90.00	179.44	10,645.0	-4,190.0	-172.7	4,191.9	0.00	0.00	0.00
15,448.0	90.00	179.44	10,645.0	-4,191.0	-172.6	4,192.9	0.00	0.00	0.00
15,449.0	90.00	179.44	10,645.0	-4,192.0	-172.6	4,193.9	0.00	0.00	0.00
15,450.0	90.00	179.44	10,645.0	-4,193.0	-172.6	4,194.9	0.00	0.00	0.00
15,451.0	90.00	179.44	10,645.0	-4,194.0	-172.6	4,195.9	0.00	0.00	0.00
15,452.0	90.00	179.44	10,645.0	-4,195.0	-172.6	4,196.9	0.00	0.00	0.00
15,453.0	90.00	179.44	10,645.0	-4,196.0	-172.6	4,197.9	0.00	0.00	0.00
15,454.0	90.00	179.44	10,645.0	-4,197.0	-172.6	4,198.9	0.00	0.00	0.00
15,455.0	90.00	179.44	10,645.0	-4,198.0	-172.6	4,199.9	0.00	0.00	0.00
15,456.0	90.00	179.44	10,645.0	-4,199.0	-172.6	4,200.9	0.00	0.00	0.00
15,457.0	90.00	179.44	10,645.0	-4,200.0	-172.6	4,201.9	0.00	0.00	0.00
15,458.0	90.00	179.44	10,645.0	-4,201.0	-172.6	4,202.9	0.00	0.00	0.00
15,459.0	90.00	179.44	10,645.0	-4,202.0	-172.5	4,203.9	0.00	0.00	0.00
15,460.0	90.00	179.44	10,645.0	-4,203.0	-172.5	4,204.9	0.00	0.00	0.00
15,461.0	90.00	179.44	10,645.0	-4,204.0	-172.5	4,205.9	0.00	0.00	0.00
15,462.0	90.00	179.44	10,645.0	-4,205.0	-172.5	4,206.9	0.00	0.00	0.00
15,463.0	90.00	179.44	10,645.0	-4,206.0	-172.5	4,207.9	0.00	0.00	0.00
15,464.0	90.00	179.44	10,645.0	-4,207.0	-172.5	4,208.9	0.00	0.00	0.00
15,465.0	90.00	179.44	10,645.0	-4,208.0	-172.5	4,209.9	0.00	0.00	0.00
15,466.0	90.00	179.44	10,645.0	-4,209.0	-172.5	4,210.9	0.00	0.00	0.00
15,467.0	90.00	179.44	10,645.0	-4,210.0	-172.5	4,211.9	0.00	0.00	0.00
15,468.0	90.00	179.44	10,645.0	-4,211.0	-172.5	4,212.9	0.00	0.00	0.00
15,469.0	90.00	179.44	10,645.0	-4,212.0	-172.4	4,213.9	0.00	0.00	0.00
15,470.0	90.00	179.44	10,645.0	-4,213.0	-172.4	4,214.9	0.00	0.00	0.00
15,471.0	90.00	179.44	10,645.0	-4,214.0	-172.4	4,215.9	0.00	0.00	0.00
15,472.0	90.00	179.44	10,645.0	-4,215.0	-172.4	4,216.9	0.00	0.00	0.00
15,473.0	90.00	179.44	10,645.0	-4,216.0	-172.4	4,217.9	0.00	0.00	0.00
15,474.0	90.00	179.44	10,645.0	-4,217.0	-172.4	4,218.9	0.00	0.00	0.00
15,475.0	90.00	179.44	10,645.0	-4,218.0	-172.4	4,219.9	0.00	0.00	0.00
15,476.0	90.00	179.44	10,645.0	-4,219.0	-172.4	4,220.9	0.00	0.00	0.00
15,477.0	90.00	179.44	10,645.0	-4,220.0	-172.4	4,221.9	0.00	0.00	0.00
15,478.0	90.00	179.44	10,645.0	-4,221.0	-172.4	4,222.9	0.00	0.00	0.00
15,479.0	90.00	179.44	10,645.0	-4,222.0	-172.3	4,223.9	0.00	0.00	0.00
15,480.0	90.00	179.44	10,645.0	-4,223.0	-172.3	4,224.9	0.00	0.00	0.00
15,481.0	90.00	179.44	10,645.0	-4,224.0	-172.3	4,225.9	0.00	0.00	0.00
15,482.0	90.00	179.44	10,645.0	-4,225.0	-172.3	4,226.9	0.00	0.00	0.00
15,483.0	90.00	179.44	10,645.0	-4,226.0	-172.3	4,227.9	0.00	0.00	0.00
15,484.0	90.00	179.44	10,645.0	-4,227.0	-172.3	4,228.9	0.00	0.00	0.00
15,485.0	90.00	179.44	10,645.0	-4,228.0	-172.3	4,229.9	0.00	0.00	0.00
15,486.0	90.00	179.44	10,645.0	-4,229.0	-172.3	4,230.9	0.00	0.00	0.00
15,487.0	90.00	179.44	10,645.0	-4,230.0	-172.3	4,231.9	0.00	0.00	0.00
15,488.0	90.00	179.44	10,645.0	-4,231.0	-172.3	4,232.9	0.00	0.00	0.00
15,489.0	90.00	179.44	10,645.0	-4,232.0	-172.2	4,233.9	0.00	0.00	0.00
15,490.0	90.00	179.44	10,645.0	-4,233.0	-172.2	4,234.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,491.0	90.00	179.44	10,645.0	-4,234.0	-172.2	4,235.9	0.00	0.00	0.00
15,492.0	90.00	179.44	10,645.0	-4,235.0	-172.2	4,236.9	0.00	0.00	0.00
15,493.0	90.00	179.44	10,645.0	-4,236.0	-172.2	4,237.9	0.00	0.00	0.00
15,494.0	90.00	179.44	10,645.0	-4,237.0	-172.2	4,238.9	0.00	0.00	0.00
15,495.0	90.00	179.44	10,645.0	-4,238.0	-172.2	4,239.9	0.00	0.00	0.00
15,496.0	90.00	179.44	10,645.0	-4,239.0	-172.2	4,240.9	0.00	0.00	0.00
15,497.0	90.00	179.44	10,645.0	-4,240.0	-172.2	4,241.9	0.00	0.00	0.00
15,498.0	90.00	179.44	10,645.0	-4,241.0	-172.2	4,242.9	0.00	0.00	0.00
15,499.0	90.00	179.44	10,645.0	-4,242.0	-172.2	4,243.9	0.00	0.00	0.00
15,500.0	90.00	179.44	10,645.0	-4,243.0	-172.1	4,244.9	0.05	0.00	0.05
15,501.0	90.00	179.44	10,645.0	-4,244.0	-172.1	4,245.9	0.00	0.00	0.00
15,502.0	90.00	179.44	10,645.0	-4,245.0	-172.1	4,246.9	0.00	0.00	0.00
15,503.0	90.00	179.44	10,645.0	-4,246.0	-172.1	4,247.8	0.00	0.00	0.00
15,504.0	90.00	179.44	10,645.0	-4,247.0	-172.1	4,248.8	0.00	0.00	0.00
15,505.0	90.00	179.44	10,645.0	-4,248.0	-172.1	4,249.8	0.00	0.00	0.00
15,506.0	90.00	179.44	10,645.0	-4,249.0	-172.1	4,250.8	0.00	0.00	0.00
15,507.0	90.00	179.44	10,645.0	-4,250.0	-172.1	4,251.8	0.00	0.00	0.00
15,508.0	90.00	179.44	10,645.0	-4,251.0	-172.1	4,252.8	0.00	0.00	0.00
15,509.0	90.00	179.44	10,645.0	-4,252.0	-172.1	4,253.8	0.00	0.00	0.00
15,510.0	90.00	179.44	10,645.0	-4,253.0	-172.0	4,254.8	0.00	0.00	0.00
15,511.0	90.00	179.44	10,645.0	-4,254.0	-172.0	4,255.8	0.00	0.00	0.00
15,512.0	90.00	179.44	10,645.0	-4,255.0	-172.0	4,256.8	0.00	0.00	0.00
15,513.0	90.00	179.44	10,645.0	-4,256.0	-172.0	4,257.8	0.00	0.00	0.00
15,514.0	90.00	179.44	10,645.0	-4,257.0	-172.0	4,258.8	0.00	0.00	0.00
15,515.0	90.00	179.44	10,645.0	-4,258.0	-172.0	4,259.8	0.00	0.00	0.00
15,516.0	90.00	179.44	10,645.0	-4,259.0	-172.0	4,260.8	0.00	0.00	0.00
15,517.0	90.00	179.44	10,645.0	-4,260.0	-172.0	4,261.8	0.00	0.00	0.00
15,518.0	90.00	179.44	10,645.0	-4,261.0	-172.0	4,262.8	0.00	0.00	0.00
15,519.0	90.00	179.44	10,645.0	-4,262.0	-172.0	4,263.8	0.00	0.00	0.00
15,520.0	90.00	179.44	10,645.0	-4,263.0	-171.9	4,264.8	0.00	0.00	0.00
15,521.0	90.00	179.44	10,645.0	-4,264.0	-171.9	4,265.8	0.00	0.00	0.00
15,522.0	90.00	179.44	10,645.0	-4,265.0	-171.9	4,266.8	0.00	0.00	0.00
15,523.0	90.00	179.44	10,645.0	-4,266.0	-171.9	4,267.8	0.00	0.00	0.00
15,524.0	90.00	179.44	10,645.0	-4,267.0	-171.9	4,268.8	0.00	0.00	0.00
15,525.0	90.00	179.44	10,645.0	-4,268.0	-171.9	4,269.8	0.00	0.00	0.00
15,526.0	90.00	179.44	10,645.0	-4,269.0	-171.9	4,270.8	0.00	0.00	0.00
15,527.0	90.00	179.44	10,645.0	-4,270.0	-171.9	4,271.8	0.00	0.00	0.00
15,528.0	90.00	179.44	10,645.0	-4,271.0	-171.9	4,272.8	0.00	0.00	0.00
15,529.0	90.00	179.44	10,645.0	-4,272.0	-171.9	4,273.8	0.00	0.00	0.00
15,530.0	90.00	179.44	10,645.0	-4,273.0	-171.8	4,274.8	0.00	0.00	0.00
15,531.0	90.00	179.44	10,645.0	-4,274.0	-171.8	4,275.8	0.00	0.00	0.00
15,532.0	90.00	179.44	10,645.0	-4,275.0	-171.8	4,276.8	0.00	0.00	0.00
15,533.0	90.00	179.44	10,645.0	-4,276.0	-171.8	4,277.8	0.00	0.00	0.00
15,534.0	90.00	179.44	10,645.0	-4,277.0	-171.8	4,278.8	0.00	0.00	0.00
15,535.0	90.00	179.44	10,645.0	-4,278.0	-171.8	4,279.8	0.00	0.00	0.00
15,536.0	90.00	179.44	10,645.0	-4,279.0	-171.8	4,280.8	0.00	0.00	0.00
15,537.0	90.00	179.44	10,645.0	-4,280.0	-171.8	4,281.8	0.00	0.00	0.00
15,538.0	90.00	179.44	10,645.0	-4,281.0	-171.8	4,282.8	0.00	0.00	0.00
15,539.0	90.00	179.44	10,645.0	-4,282.0	-171.8	4,283.8	0.00	0.00	0.00
15,540.0	90.00	179.44	10,645.0	-4,283.0	-171.8	4,284.8	0.00	0.00	0.00
15,541.0	90.00	179.44	10,645.0	-4,284.0	-171.7	4,285.8	0.00	0.00	0.00
15,542.0	90.00	179.44	10,645.0	-4,285.0	-171.7	4,286.8	0.00	0.00	0.00
15,543.0	90.00	179.44	10,645.0	-4,286.0	-171.7	4,287.8	0.00	0.00	0.00
15,544.0	90.00	179.44	10,645.0	-4,287.0	-171.7	4,288.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,545.0	90.00	179.44	10,645.0	-4,288.0	-171.7	4,289.8	0.00	0.00	0.00
15,546.0	90.00	179.44	10,645.0	-4,289.0	-171.7	4,290.8	0.00	0.00	0.00
15,547.0	90.00	179.44	10,645.0	-4,290.0	-171.7	4,291.8	0.00	0.00	0.00
15,548.0	90.00	179.44	10,645.0	-4,291.0	-171.7	4,292.8	0.00	0.00	0.00
15,549.0	90.00	179.44	10,645.0	-4,292.0	-171.7	4,293.8	0.00	0.00	0.00
15,550.0	90.00	179.44	10,645.0	-4,293.0	-171.7	4,294.8	0.00	0.00	0.00
15,551.0	90.00	179.44	10,645.0	-4,294.0	-171.6	4,295.8	0.00	0.00	0.00
15,552.0	90.00	179.44	10,645.0	-4,295.0	-171.6	4,296.8	0.00	0.00	0.00
15,553.0	90.00	179.44	10,645.0	-4,296.0	-171.6	4,297.8	0.00	0.00	0.00
15,554.0	90.00	179.44	10,645.0	-4,297.0	-171.6	4,298.8	0.00	0.00	0.00
15,555.0	90.00	179.44	10,645.0	-4,298.0	-171.6	4,299.8	0.00	0.00	0.00
15,556.0	90.00	179.44	10,645.0	-4,299.0	-171.6	4,300.8	0.00	0.00	0.00
15,557.0	90.00	179.44	10,645.0	-4,300.0	-171.6	4,301.8	0.00	0.00	0.00
15,558.0	90.00	179.44	10,645.0	-4,301.0	-171.6	4,302.8	0.00	0.00	0.00
15,559.0	90.00	179.44	10,645.0	-4,302.0	-171.6	4,303.8	0.00	0.00	0.00
15,560.0	90.00	179.44	10,645.0	-4,303.0	-171.6	4,304.8	0.00	0.00	0.00
15,561.0	90.00	179.44	10,645.0	-4,304.0	-171.5	4,305.8	0.00	0.00	0.00
15,562.0	90.00	179.44	10,645.0	-4,305.0	-171.5	4,306.8	0.00	0.00	0.00
15,563.0	90.00	179.44	10,645.0	-4,306.0	-171.5	4,307.8	0.00	0.00	0.00
15,564.0	90.00	179.44	10,645.0	-4,307.0	-171.5	4,308.8	0.00	0.00	0.00
15,565.0	90.00	179.44	10,645.0	-4,308.0	-171.5	4,309.8	0.00	0.00	0.00
15,566.0	90.00	179.44	10,645.0	-4,309.0	-171.5	4,310.8	0.00	0.00	0.00
15,567.0	90.00	179.44	10,645.0	-4,310.0	-171.5	4,311.8	0.00	0.00	0.00
15,568.0	90.00	179.44	10,645.0	-4,311.0	-171.5	4,312.8	0.00	0.00	0.00
15,569.0	90.00	179.44	10,645.0	-4,312.0	-171.5	4,313.8	0.00	0.00	0.00
15,570.0	90.00	179.44	10,645.0	-4,313.0	-171.5	4,314.8	0.00	0.00	0.00
15,571.0	90.00	179.44	10,645.0	-4,314.0	-171.5	4,315.8	0.00	0.00	0.00
15,572.0	90.00	179.44	10,645.0	-4,315.0	-171.4	4,316.8	0.00	0.00	0.00
15,573.0	90.00	179.44	10,645.0	-4,316.0	-171.4	4,317.8	0.00	0.00	0.00
15,574.0	90.00	179.44	10,645.0	-4,317.0	-171.4	4,318.8	0.00	0.00	0.00
15,575.0	90.00	179.44	10,645.0	-4,318.0	-171.4	4,319.8	0.00	0.00	0.00
15,576.0	90.00	179.44	10,645.0	-4,319.0	-171.4	4,320.8	0.00	0.00	0.00
15,577.0	90.00	179.44	10,645.0	-4,320.0	-171.4	4,321.8	0.00	0.00	0.00
15,578.0	90.00	179.44	10,645.0	-4,321.0	-171.4	4,322.8	0.00	0.00	0.00
15,579.0	90.00	179.44	10,645.0	-4,322.0	-171.4	4,323.8	0.00	0.00	0.00
15,580.0	90.00	179.44	10,645.0	-4,323.0	-171.4	4,324.8	0.00	0.00	0.00
15,581.0	90.00	179.44	10,645.0	-4,324.0	-171.4	4,325.8	0.00	0.00	0.00
15,582.0	90.00	179.44	10,645.0	-4,325.0	-171.3	4,326.8	0.00	0.00	0.00
15,583.0	90.00	179.44	10,645.0	-4,326.0	-171.3	4,327.8	0.00	0.00	0.00
15,584.0	90.00	179.44	10,645.0	-4,327.0	-171.3	4,328.8	0.00	0.00	0.00
15,585.0	90.00	179.44	10,645.0	-4,328.0	-171.3	4,329.8	0.00	0.00	0.00
15,586.0	90.00	179.44	10,645.0	-4,329.0	-171.3	4,330.8	0.00	0.00	0.00
15,587.0	90.00	179.44	10,645.0	-4,330.0	-171.3	4,331.8	0.00	0.00	0.00
15,588.0	90.00	179.44	10,645.0	-4,331.0	-171.3	4,332.8	0.00	0.00	0.00
15,589.0	90.00	179.44	10,645.0	-4,332.0	-171.3	4,333.8	0.00	0.00	0.00
15,590.0	90.00	179.44	10,645.0	-4,333.0	-171.3	4,334.8	0.00	0.00	0.00
15,591.0	90.00	179.44	10,645.0	-4,334.0	-171.3	4,335.8	0.00	0.00	0.00
15,592.0	90.00	179.44	10,645.0	-4,335.0	-171.2	4,336.8	0.00	0.00	0.00
15,593.0	90.00	179.44	10,645.0	-4,336.0	-171.2	4,337.8	0.00	0.00	0.00
15,594.0	90.00	179.44	10,645.0	-4,337.0	-171.2	4,338.8	0.00	0.00	0.00
15,595.0	90.00	179.44	10,645.0	-4,338.0	-171.2	4,339.8	0.00	0.00	0.00
15,596.0	90.00	179.44	10,645.0	-4,339.0	-171.2	4,340.8	0.00	0.00	0.00
15,597.0	90.00	179.44	10,645.0	-4,340.0	-171.2	4,341.8	0.00	0.00	0.00
15,598.0	90.00	179.44	10,645.0	-4,341.0	-171.2	4,342.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,599.0	90.00	179.44	10,645.0	-4,342.0	-171.2	4,343.8	0.00	0.00	0.00
15,600.0	90.00	179.44	10,645.0	-4,343.0	-171.2	4,344.8	0.05	0.00	0.05
15,601.0	90.00	179.44	10,645.0	-4,344.0	-171.2	4,345.8	0.00	0.00	0.00
15,602.0	90.00	179.44	10,645.0	-4,345.0	-171.1	4,346.8	0.00	0.00	0.00
15,603.0	90.00	179.44	10,645.0	-4,346.0	-171.1	4,347.8	0.00	0.00	0.00
15,604.0	90.00	179.44	10,645.0	-4,347.0	-171.1	4,348.8	0.00	0.00	0.00
15,605.0	90.00	179.44	10,645.0	-4,348.0	-171.1	4,349.8	0.00	0.00	0.00
15,606.0	90.00	179.44	10,645.0	-4,349.0	-171.1	4,350.8	0.00	0.00	0.00
15,607.0	90.00	179.44	10,645.0	-4,350.0	-171.1	4,351.8	0.00	0.00	0.00
15,608.0	90.00	179.44	10,645.0	-4,351.0	-171.1	4,352.8	0.00	0.00	0.00
15,609.0	90.00	179.44	10,645.0	-4,352.0	-171.1	4,353.8	0.00	0.00	0.00
15,610.0	90.00	179.44	10,645.0	-4,353.0	-171.1	4,354.8	0.00	0.00	0.00
15,611.0	90.00	179.44	10,645.0	-4,354.0	-171.1	4,355.8	0.00	0.00	0.00
15,612.0	90.00	179.44	10,645.0	-4,355.0	-171.1	4,356.8	0.00	0.00	0.00
15,613.0	90.00	179.44	10,645.0	-4,356.0	-171.0	4,357.8	0.00	0.00	0.00
15,614.0	90.00	179.44	10,645.0	-4,357.0	-171.0	4,358.8	0.00	0.00	0.00
15,615.0	90.00	179.44	10,645.0	-4,358.0	-171.0	4,359.8	0.00	0.00	0.00
15,616.0	90.00	179.44	10,645.0	-4,359.0	-171.0	4,360.8	0.00	0.00	0.00
15,617.0	90.00	179.44	10,645.0	-4,360.0	-171.0	4,361.8	0.00	0.00	0.00
15,618.0	90.00	179.44	10,645.0	-4,361.0	-171.0	4,362.8	0.00	0.00	0.00
15,619.0	90.00	179.44	10,645.0	-4,362.0	-171.0	4,363.8	0.00	0.00	0.00
15,620.0	90.00	179.44	10,645.0	-4,363.0	-171.0	4,364.8	0.00	0.00	0.00
15,621.0	90.00	179.44	10,645.0	-4,364.0	-171.0	4,365.8	0.00	0.00	0.00
15,622.0	90.00	179.44	10,645.0	-4,365.0	-171.0	4,366.8	0.00	0.00	0.00
15,623.0	90.00	179.44	10,645.0	-4,366.0	-170.9	4,367.8	0.00	0.00	0.00
15,624.0	90.00	179.44	10,645.0	-4,367.0	-170.9	4,368.8	0.00	0.00	0.00
15,625.0	90.00	179.44	10,645.0	-4,368.0	-170.9	4,369.8	0.00	0.00	0.00
15,626.0	90.00	179.44	10,645.0	-4,369.0	-170.9	4,370.8	0.00	0.00	0.00
15,627.0	90.00	179.44	10,645.0	-4,370.0	-170.9	4,371.8	0.00	0.00	0.00
15,628.0	90.00	179.44	10,645.0	-4,371.0	-170.9	4,372.8	0.00	0.00	0.00
15,629.0	90.00	179.44	10,645.0	-4,372.0	-170.9	4,373.8	0.00	0.00	0.00
15,630.0	90.00	179.44	10,645.0	-4,373.0	-170.9	4,374.8	0.00	0.00	0.00
15,631.0	90.00	179.44	10,645.0	-4,374.0	-170.9	4,375.8	0.00	0.00	0.00
15,632.0	90.00	179.44	10,645.0	-4,375.0	-170.9	4,376.8	0.00	0.00	0.00
15,633.0	90.00	179.44	10,645.0	-4,376.0	-170.8	4,377.8	0.00	0.00	0.00
15,634.0	90.00	179.44	10,645.0	-4,377.0	-170.8	4,378.8	0.00	0.00	0.00
15,635.0	90.00	179.44	10,645.0	-4,378.0	-170.8	4,379.8	0.00	0.00	0.00
15,636.0	90.00	179.44	10,645.0	-4,379.0	-170.8	4,380.8	0.00	0.00	0.00
15,637.0	90.00	179.44	10,645.0	-4,380.0	-170.8	4,381.8	0.00	0.00	0.00
15,638.0	90.00	179.44	10,645.0	-4,381.0	-170.8	4,382.8	0.00	0.00	0.00
15,639.0	90.00	179.44	10,645.0	-4,382.0	-170.8	4,383.8	0.00	0.00	0.00
15,640.0	90.00	179.44	10,645.0	-4,383.0	-170.8	4,384.8	0.00	0.00	0.00
15,641.0	90.00	179.44	10,645.0	-4,384.0	-170.8	4,385.8	0.00	0.00	0.00
15,642.0	90.00	179.44	10,645.0	-4,385.0	-170.8	4,386.8	0.00	0.00	0.00
15,643.0	90.00	179.44	10,645.0	-4,386.0	-170.7	4,387.8	0.00	0.00	0.00
15,644.0	90.00	179.44	10,645.0	-4,387.0	-170.7	4,388.8	0.00	0.00	0.00
15,645.0	90.00	179.44	10,645.0	-4,388.0	-170.7	4,389.8	0.00	0.00	0.00
15,646.0	90.00	179.44	10,645.0	-4,389.0	-170.7	4,390.8	0.00	0.00	0.00
15,647.0	90.00	179.44	10,645.0	-4,390.0	-170.7	4,391.8	0.00	0.00	0.00
15,648.0	90.00	179.44	10,645.0	-4,391.0	-170.7	4,392.8	0.00	0.00	0.00
15,649.0	90.00	179.44	10,645.0	-4,392.0	-170.7	4,393.8	0.00	0.00	0.00
15,650.0	90.00	179.44	10,645.0	-4,393.0	-170.7	4,394.8	0.00	0.00	0.00
15,651.0	90.00	179.44	10,645.0	-4,394.0	-170.7	4,395.8	0.00	0.00	0.00
15,652.0	90.00	179.44	10,645.0	-4,395.0	-170.7	4,396.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,653.0	90.00	179.44	10,645.0	-4,396.0	-170.7	4,397.8	0.00	0.00	0.00
15,654.0	90.00	179.44	10,645.0	-4,397.0	-170.6	4,398.8	0.00	0.00	0.00
15,655.0	90.00	179.44	10,645.0	-4,398.0	-170.6	4,399.8	0.00	0.00	0.00
15,656.0	90.00	179.44	10,645.0	-4,399.0	-170.6	4,400.8	0.00	0.00	0.00
15,657.0	90.00	179.44	10,645.0	-4,400.0	-170.6	4,401.8	0.00	0.00	0.00
15,658.0	90.00	179.44	10,645.0	-4,401.0	-170.6	4,402.8	0.00	0.00	0.00
15,659.0	90.00	179.44	10,645.0	-4,402.0	-170.6	4,403.8	0.00	0.00	0.00
15,660.0	90.00	179.44	10,645.0	-4,403.0	-170.6	4,404.8	0.00	0.00	0.00
15,661.0	90.00	179.44	10,645.0	-4,404.0	-170.6	4,405.8	0.00	0.00	0.00
15,662.0	90.00	179.44	10,645.0	-4,405.0	-170.6	4,406.8	0.00	0.00	0.00
15,663.0	90.00	179.44	10,645.0	-4,406.0	-170.6	4,407.8	0.00	0.00	0.00
15,664.0	90.00	179.44	10,645.0	-4,407.0	-170.5	4,408.8	0.00	0.00	0.00
15,665.0	90.00	179.44	10,645.0	-4,408.0	-170.5	4,409.8	0.00	0.00	0.00
15,666.0	90.00	179.44	10,645.0	-4,409.0	-170.5	4,410.8	0.00	0.00	0.00
15,667.0	90.00	179.44	10,645.0	-4,410.0	-170.5	4,411.8	0.00	0.00	0.00
15,668.0	90.00	179.44	10,645.0	-4,411.0	-170.5	4,412.8	0.00	0.00	0.00
15,669.0	90.00	179.44	10,645.0	-4,412.0	-170.5	4,413.8	0.00	0.00	0.00
15,670.0	90.00	179.44	10,645.0	-4,413.0	-170.5	4,414.8	0.00	0.00	0.00
15,671.0	90.00	179.44	10,645.0	-4,414.0	-170.5	4,415.8	0.00	0.00	0.00
15,672.0	90.00	179.44	10,645.0	-4,415.0	-170.5	4,416.8	0.00	0.00	0.00
15,673.0	90.00	179.44	10,645.0	-4,416.0	-170.5	4,417.8	0.00	0.00	0.00
15,674.0	90.00	179.44	10,645.0	-4,417.0	-170.4	4,418.8	0.00	0.00	0.00
15,675.0	90.00	179.44	10,645.0	-4,418.0	-170.4	4,419.8	0.00	0.00	0.00
15,676.0	90.00	179.44	10,645.0	-4,419.0	-170.4	4,420.8	0.00	0.00	0.00
15,677.0	90.00	179.44	10,645.0	-4,420.0	-170.4	4,421.8	0.00	0.00	0.00
15,678.0	90.00	179.44	10,645.0	-4,421.0	-170.4	4,422.8	0.00	0.00	0.00
15,679.0	90.00	179.44	10,645.0	-4,422.0	-170.4	4,423.8	0.00	0.00	0.00
15,680.0	90.00	179.44	10,645.0	-4,423.0	-170.4	4,424.8	0.00	0.00	0.00
15,681.0	90.00	179.44	10,645.0	-4,424.0	-170.4	4,425.8	0.00	0.00	0.00
15,682.0	90.00	179.44	10,645.0	-4,425.0	-170.4	4,426.8	0.00	0.00	0.00
15,683.0	90.00	179.44	10,645.0	-4,426.0	-170.4	4,427.8	0.00	0.00	0.00
15,684.0	90.00	179.44	10,645.0	-4,427.0	-170.4	4,428.8	0.00	0.00	0.00
15,685.0	90.00	179.44	10,645.0	-4,428.0	-170.3	4,429.8	0.00	0.00	0.00
15,686.0	90.00	179.44	10,645.0	-4,429.0	-170.3	4,430.8	0.00	0.00	0.00
15,687.0	90.00	179.44	10,645.0	-4,430.0	-170.3	4,431.8	0.00	0.00	0.00
15,688.0	90.00	179.44	10,645.0	-4,431.0	-170.3	4,432.8	0.00	0.00	0.00
15,689.0	90.00	179.44	10,645.0	-4,432.0	-170.3	4,433.8	0.00	0.00	0.00
15,690.0	90.00	179.44	10,645.0	-4,433.0	-170.3	4,434.8	0.00	0.00	0.00
15,691.0	90.00	179.44	10,645.0	-4,434.0	-170.3	4,435.8	0.00	0.00	0.00
15,692.0	90.00	179.44	10,645.0	-4,435.0	-170.3	4,436.8	0.00	0.00	0.00
15,693.0	90.00	179.44	10,645.0	-4,436.0	-170.3	4,437.8	0.00	0.00	0.00
15,694.0	90.00	179.44	10,645.0	-4,437.0	-170.3	4,438.8	0.00	0.00	0.00
15,695.0	90.00	179.44	10,645.0	-4,438.0	-170.2	4,439.8	0.00	0.00	0.00
15,696.0	90.00	179.44	10,645.0	-4,439.0	-170.2	4,440.8	0.00	0.00	0.00
15,697.0	90.00	179.44	10,645.0	-4,440.0	-170.2	4,441.8	0.00	0.00	0.00
15,698.0	90.00	179.44	10,645.0	-4,441.0	-170.2	4,442.8	0.00	0.00	0.00
15,699.0	90.00	179.44	10,645.0	-4,442.0	-170.2	4,443.8	0.00	0.00	0.00
15,700.0	90.00	179.44	10,645.0	-4,443.0	-170.2	4,444.8	0.05	0.00	0.05
15,701.0	90.00	179.44	10,645.0	-4,444.0	-170.2	4,445.8	0.00	0.00	0.00
15,702.0	90.00	179.44	10,645.0	-4,445.0	-170.2	4,446.8	0.00	0.00	0.00
15,703.0	90.00	179.44	10,645.0	-4,446.0	-170.2	4,447.8	0.00	0.00	0.00
15,704.0	90.00	179.44	10,645.0	-4,447.0	-170.2	4,448.8	0.00	0.00	0.00
15,705.0	90.00	179.44	10,645.0	-4,448.0	-170.1	4,449.8	0.00	0.00	0.00
15,706.0	90.00	179.44	10,645.0	-4,449.0	-170.1	4,450.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,707.0	90.00	179.44	10,645.0	-4,450.0	-170.1	4,451.8	0.00	0.00	0.00	
15,708.0	90.00	179.44	10,645.0	-4,451.0	-170.1	4,452.8	0.00	0.00	0.00	
15,709.0	90.00	179.44	10,645.0	-4,452.0	-170.1	4,453.8	0.00	0.00	0.00	
15,710.0	90.00	179.44	10,645.0	-4,453.0	-170.1	4,454.8	0.00	0.00	0.00	
15,711.0	90.00	179.44	10,645.0	-4,454.0	-170.1	4,455.8	0.00	0.00	0.00	
15,712.0	90.00	179.44	10,645.0	-4,455.0	-170.1	4,456.8	0.00	0.00	0.00	
15,713.0	90.00	179.44	10,645.0	-4,456.0	-170.1	4,457.8	0.00	0.00	0.00	
15,714.0	90.00	179.44	10,645.0	-4,457.0	-170.1	4,458.8	0.00	0.00	0.00	
15,715.0	90.00	179.44	10,645.0	-4,458.0	-170.0	4,459.8	0.00	0.00	0.00	
15,716.0	90.00	179.44	10,645.0	-4,459.0	-170.0	4,460.8	0.00	0.00	0.00	
15,717.0	90.00	179.44	10,645.0	-4,460.0	-170.0	4,461.8	0.00	0.00	0.00	
15,718.0	90.00	179.44	10,645.0	-4,461.0	-170.0	4,462.8	0.00	0.00	0.00	
15,719.0	90.00	179.44	10,645.0	-4,462.0	-170.0	4,463.8	0.00	0.00	0.00	
15,720.0	90.00	179.44	10,645.0	-4,463.0	-170.0	4,464.8	0.00	0.00	0.00	
15,721.0	90.00	179.44	10,645.0	-4,464.0	-170.0	4,465.8	0.00	0.00	0.00	
15,722.0	90.00	179.44	10,645.0	-4,465.0	-170.0	4,466.8	0.00	0.00	0.00	
15,723.0	90.00	179.44	10,645.0	-4,466.0	-170.0	4,467.8	0.00	0.00	0.00	
15,724.0	90.00	179.44	10,645.0	-4,467.0	-170.0	4,468.8	0.00	0.00	0.00	
15,725.0	90.00	179.44	10,645.0	-4,468.0	-170.0	4,469.8	0.00	0.00	0.00	
15,726.0	90.00	179.44	10,645.0	-4,469.0	-169.9	4,470.8	0.00	0.00	0.00	
15,727.0	90.00	179.44	10,645.0	-4,470.0	-169.9	4,471.8	0.00	0.00	0.00	
15,728.0	90.00	179.44	10,645.0	-4,471.0	-169.9	4,472.8	0.00	0.00	0.00	
15,729.0	90.00	179.44	10,645.0	-4,472.0	-169.9	4,473.8	0.00	0.00	0.00	
15,730.0	90.00	179.44	10,645.0	-4,473.0	-169.9	4,474.8	0.00	0.00	0.00	
15,731.0	90.00	179.44	10,645.0	-4,474.0	-169.9	4,475.8	0.00	0.00	0.00	
15,732.0	90.00	179.44	10,645.0	-4,475.0	-169.9	4,476.8	0.00	0.00	0.00	
15,733.0	90.00	179.44	10,645.0	-4,476.0	-169.9	4,477.8	0.00	0.00	0.00	
15,734.0	90.00	179.44	10,645.0	-4,477.0	-169.9	4,478.8	0.00	0.00	0.00	
15,735.0	90.00	179.44	10,645.0	-4,478.0	-169.9	4,479.8	0.00	0.00	0.00	
15,736.0	90.00	179.44	10,645.0	-4,479.0	-169.8	4,480.8	0.00	0.00	0.00	
15,737.0	90.00	179.44	10,645.0	-4,480.0	-169.8	4,481.8	0.00	0.00	0.00	
15,738.0	90.00	179.44	10,645.0	-4,481.0	-169.8	4,482.8	0.00	0.00	0.00	
15,739.0	90.00	179.44	10,645.0	-4,482.0	-169.8	4,483.8	0.00	0.00	0.00	
15,740.0	90.00	179.44	10,645.0	-4,483.0	-169.8	4,484.8	0.00	0.00	0.00	
15,741.0	90.00	179.44	10,645.0	-4,484.0	-169.8	4,485.8	0.00	0.00	0.00	
15,742.0	90.00	179.44	10,645.0	-4,485.0	-169.8	4,486.8	0.00	0.00	0.00	
15,743.0	90.00	179.44	10,645.0	-4,486.0	-169.8	4,487.8	0.00	0.00	0.00	
15,744.0	90.00	179.44	10,645.0	-4,487.0	-169.8	4,488.8	0.00	0.00	0.00	
15,745.0	90.00	179.44	10,645.0	-4,488.0	-169.8	4,489.8	0.00	0.00	0.00	
15,746.0	90.00	179.44	10,645.0	-4,489.0	-169.7	4,490.8	0.00	0.00	0.00	
15,747.0	90.00	179.44	10,645.0	-4,490.0	-169.7	4,491.8	0.00	0.00	0.00	
15,748.0	90.00	179.44	10,645.0	-4,491.0	-169.7	4,492.8	0.00	0.00	0.00	
15,749.0	90.00	179.44	10,645.0	-4,492.0	-169.7	4,493.8	0.00	0.00	0.00	
15,750.0	90.00	179.44	10,645.0	-4,493.0	-169.7	4,494.8	0.00	0.00	0.00	
15,751.0	90.00	179.44	10,645.0	-4,494.0	-169.7	4,495.8	0.00	0.00	0.00	
15,752.0	90.00	179.44	10,645.0	-4,495.0	-169.7	4,496.8	0.00	0.00	0.00	
15,753.0	90.00	179.44	10,645.0	-4,496.0	-169.7	4,497.8	0.00	0.00	0.00	
15,754.0	90.00	179.44	10,645.0	-4,497.0	-169.7	4,498.8	0.00	0.00	0.00	
15,755.0	90.00	179.44	10,645.0	-4,498.0	-169.7	4,499.8	0.00	0.00	0.00	
15,756.0	90.00	179.44	10,645.0	-4,499.0	-169.7	4,500.8	0.00	0.00	0.00	
15,757.0	90.00	179.44	10,645.0	-4,500.0	-169.6	4,501.8	0.00	0.00	0.00	
15,758.0	90.00	179.44	10,645.0	-4,501.0	-169.6	4,502.8	0.00	0.00	0.00	
15,759.0	90.00	179.44	10,645.0	-4,502.0	-169.6	4,503.8	0.00	0.00	0.00	
15,760.0	90.00	179.44	10,645.0	-4,503.0	-169.6	4,504.8	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,761.0	90.00	179.44	10,645.0	-4,504.0	-169.6	4,505.8	0.00	0.00	0.00	
15,762.0	90.00	179.44	10,645.0	-4,505.0	-169.6	4,506.8	0.00	0.00	0.00	
15,763.0	90.00	179.44	10,645.0	-4,506.0	-169.6	4,507.8	0.00	0.00	0.00	
15,764.0	90.00	179.44	10,645.0	-4,507.0	-169.6	4,508.8	0.00	0.00	0.00	
15,765.0	90.00	179.44	10,645.0	-4,508.0	-169.6	4,509.8	0.00	0.00	0.00	
15,766.0	90.00	179.44	10,645.0	-4,509.0	-169.6	4,510.8	0.00	0.00	0.00	
15,767.0	90.00	179.44	10,645.0	-4,510.0	-169.5	4,511.8	0.00	0.00	0.00	
15,768.0	90.00	179.44	10,645.0	-4,511.0	-169.5	4,512.8	0.00	0.00	0.00	
15,769.0	90.00	179.44	10,645.0	-4,512.0	-169.5	4,513.8	0.00	0.00	0.00	
15,770.0	90.00	179.44	10,645.0	-4,513.0	-169.5	4,514.8	0.00	0.00	0.00	
15,771.0	90.00	179.44	10,645.0	-4,514.0	-169.5	4,515.8	0.00	0.00	0.00	
15,772.0	90.00	179.44	10,645.0	-4,515.0	-169.5	4,516.8	0.00	0.00	0.00	
15,773.0	90.00	179.44	10,645.0	-4,516.0	-169.5	4,517.8	0.00	0.00	0.00	
15,774.0	90.00	179.44	10,645.0	-4,517.0	-169.5	4,518.8	0.00	0.00	0.00	
15,775.0	90.00	179.44	10,645.0	-4,518.0	-169.5	4,519.8	0.00	0.00	0.00	
15,776.0	90.00	179.44	10,645.0	-4,519.0	-169.5	4,520.8	0.00	0.00	0.00	
15,777.0	90.00	179.44	10,645.0	-4,520.0	-169.4	4,521.8	0.00	0.00	0.00	
15,778.0	90.00	179.44	10,645.0	-4,521.0	-169.4	4,522.8	0.00	0.00	0.00	
15,779.0	90.00	179.44	10,645.0	-4,522.0	-169.4	4,523.8	0.00	0.00	0.00	
15,780.0	90.00	179.44	10,645.0	-4,523.0	-169.4	4,524.8	0.00	0.00	0.00	
15,781.0	90.00	179.44	10,645.0	-4,524.0	-169.4	4,525.8	0.00	0.00	0.00	
15,782.0	90.00	179.44	10,645.0	-4,525.0	-169.4	4,526.8	0.00	0.00	0.00	
15,783.0	90.00	179.44	10,645.0	-4,526.0	-169.4	4,527.8	0.00	0.00	0.00	
15,784.0	90.00	179.44	10,645.0	-4,527.0	-169.4	4,528.8	0.00	0.00	0.00	
15,785.0	90.00	179.44	10,645.0	-4,528.0	-169.4	4,529.8	0.00	0.00	0.00	
15,786.0	90.00	179.44	10,645.0	-4,529.0	-169.4	4,530.8	0.00	0.00	0.00	
15,787.0	90.00	179.44	10,645.0	-4,530.0	-169.3	4,531.8	0.00	0.00	0.00	
15,788.0	90.00	179.44	10,645.0	-4,531.0	-169.3	4,532.8	0.00	0.00	0.00	
15,789.0	90.00	179.44	10,645.0	-4,532.0	-169.3	4,533.8	0.00	0.00	0.00	
15,790.0	90.00	179.44	10,645.0	-4,533.0	-169.3	4,534.8	0.00	0.00	0.00	
15,791.0	90.00	179.44	10,645.0	-4,534.0	-169.3	4,535.8	0.00	0.00	0.00	
15,792.0	90.00	179.44	10,645.0	-4,535.0	-169.3	4,536.8	0.00	0.00	0.00	
15,793.0	90.00	179.44	10,645.0	-4,536.0	-169.3	4,537.8	0.00	0.00	0.00	
15,794.0	90.00	179.44	10,645.0	-4,537.0	-169.3	4,538.8	0.00	0.00	0.00	
15,795.0	90.00	179.44	10,645.0	-4,538.0	-169.3	4,539.8	0.00	0.00	0.00	
15,796.0	90.00	179.44	10,645.0	-4,539.0	-169.3	4,540.8	0.00	0.00	0.00	
15,797.0	90.00	179.44	10,645.0	-4,540.0	-169.3	4,541.8	0.00	0.00	0.00	
15,798.0	90.00	179.44	10,645.0	-4,541.0	-169.2	4,542.8	0.00	0.00	0.00	
15,799.0	90.00	179.44	10,645.0	-4,542.0	-169.2	4,543.8	0.00	0.00	0.00	
15,800.0	90.00	179.44	10,645.0	-4,543.0	-169.2	4,544.8	0.05	0.00	0.05	
15,801.0	90.00	179.44	10,645.0	-4,544.0	-169.2	4,545.8	0.00	0.00	0.00	
15,802.0	90.00	179.44	10,645.0	-4,545.0	-169.2	4,546.8	0.00	0.00	0.00	
15,803.0	90.00	179.44	10,645.0	-4,546.0	-169.2	4,547.8	0.00	0.00	0.00	
15,804.0	90.00	179.44	10,645.0	-4,547.0	-169.2	4,548.8	0.00	0.00	0.00	
15,805.0	90.00	179.44	10,645.0	-4,548.0	-169.2	4,549.8	0.00	0.00	0.00	
15,806.0	90.00	179.44	10,645.0	-4,549.0	-169.2	4,550.8	0.00	0.00	0.00	
15,807.0	90.00	179.44	10,645.0	-4,550.0	-169.2	4,551.8	0.00	0.00	0.00	
15,808.0	90.00	179.44	10,645.0	-4,551.0	-169.1	4,552.8	0.00	0.00	0.00	
15,809.0	90.00	179.44	10,645.0	-4,552.0	-169.1	4,553.8	0.00	0.00	0.00	
15,810.0	90.00	179.44	10,645.0	-4,553.0	-169.1	4,554.8	0.00	0.00	0.00	
15,811.0	90.00	179.44	10,645.0	-4,554.0	-169.1	4,555.8	0.00	0.00	0.00	
15,812.0	90.00	179.44	10,645.0	-4,555.0	-169.1	4,556.8	0.00	0.00	0.00	
15,813.0	90.00	179.44	10,645.0	-4,556.0	-169.1	4,557.8	0.00	0.00	0.00	
15,814.0	90.00	179.44	10,645.0	-4,557.0	-169.1	4,558.8	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,815.0	90.00	179.44	10,645.0	-4,558.0	-169.1	4,559.8	0.00	0.00	0.00	
15,816.0	90.00	179.44	10,645.0	-4,559.0	-169.1	4,560.8	0.00	0.00	0.00	
15,817.0	90.00	179.44	10,645.0	-4,560.0	-169.1	4,561.8	0.00	0.00	0.00	
15,818.0	90.00	179.44	10,645.0	-4,561.0	-169.0	4,562.8	0.00	0.00	0.00	
15,819.0	90.00	179.44	10,645.0	-4,562.0	-169.0	4,563.8	0.00	0.00	0.00	
15,820.0	90.00	179.44	10,645.0	-4,563.0	-169.0	4,564.8	0.00	0.00	0.00	
15,821.0	90.00	179.44	10,645.0	-4,564.0	-169.0	4,565.8	0.00	0.00	0.00	
15,822.0	90.00	179.44	10,645.0	-4,565.0	-169.0	4,566.8	0.00	0.00	0.00	
15,823.0	90.00	179.44	10,645.0	-4,566.0	-169.0	4,567.8	0.00	0.00	0.00	
15,824.0	90.00	179.44	10,645.0	-4,567.0	-169.0	4,568.8	0.00	0.00	0.00	
15,825.0	90.00	179.44	10,645.0	-4,568.0	-169.0	4,569.8	0.00	0.00	0.00	
15,826.0	90.00	179.44	10,645.0	-4,569.0	-169.0	4,570.8	0.00	0.00	0.00	
15,827.0	90.00	179.44	10,645.0	-4,570.0	-169.0	4,571.8	0.00	0.00	0.00	
15,828.0	90.00	179.44	10,645.0	-4,571.0	-169.0	4,572.8	0.00	0.00	0.00	
15,829.0	90.00	179.44	10,645.0	-4,572.0	-168.9	4,573.8	0.00	0.00	0.00	
15,830.0	90.00	179.44	10,645.0	-4,573.0	-168.9	4,574.8	0.00	0.00	0.00	
15,831.0	90.00	179.44	10,645.0	-4,574.0	-168.9	4,575.8	0.00	0.00	0.00	
15,832.0	90.00	179.44	10,645.0	-4,575.0	-168.9	4,576.8	0.00	0.00	0.00	
15,833.0	90.00	179.44	10,645.0	-4,576.0	-168.9	4,577.8	0.00	0.00	0.00	
15,834.0	90.00	179.44	10,645.0	-4,577.0	-168.9	4,578.8	0.00	0.00	0.00	
15,835.0	90.00	179.44	10,645.0	-4,578.0	-168.9	4,579.8	0.00	0.00	0.00	
15,836.0	90.00	179.44	10,645.0	-4,579.0	-168.9	4,580.8	0.00	0.00	0.00	
15,837.0	90.00	179.44	10,645.0	-4,580.0	-168.9	4,581.8	0.00	0.00	0.00	
15,838.0	90.00	179.44	10,645.0	-4,581.0	-168.9	4,582.8	0.00	0.00	0.00	
15,839.0	90.00	179.44	10,645.0	-4,582.0	-168.8	4,583.8	0.00	0.00	0.00	
15,840.0	90.00	179.44	10,645.0	-4,583.0	-168.8	4,584.8	0.00	0.00	0.00	
15,841.0	90.00	179.44	10,645.0	-4,584.0	-168.8	4,585.8	0.00	0.00	0.00	
15,842.0	90.00	179.44	10,645.0	-4,585.0	-168.8	4,586.8	0.00	0.00	0.00	
15,843.0	90.00	179.44	10,645.0	-4,586.0	-168.8	4,587.8	0.00	0.00	0.00	
15,844.0	90.00	179.44	10,645.0	-4,587.0	-168.8	4,588.8	0.00	0.00	0.00	
15,845.0	90.00	179.44	10,645.0	-4,588.0	-168.8	4,589.8	0.00	0.00	0.00	
15,846.0	90.00	179.44	10,645.0	-4,589.0	-168.8	4,590.8	0.00	0.00	0.00	
15,847.0	90.00	179.44	10,645.0	-4,590.0	-168.8	4,591.8	0.00	0.00	0.00	
15,848.0	90.00	179.44	10,645.0	-4,591.0	-168.8	4,592.8	0.00	0.00	0.00	
15,849.0	90.00	179.44	10,645.0	-4,592.0	-168.7	4,593.8	0.00	0.00	0.00	
15,850.0	90.00	179.44	10,645.0	-4,593.0	-168.7	4,594.8	0.00	0.00	0.00	
15,851.0	90.00	179.44	10,645.0	-4,594.0	-168.7	4,595.8	0.00	0.00	0.00	
15,852.0	90.00	179.44	10,645.0	-4,595.0	-168.7	4,596.8	0.00	0.00	0.00	
15,853.0	90.00	179.44	10,645.0	-4,596.0	-168.7	4,597.8	0.00	0.00	0.00	
15,854.0	90.00	179.44	10,645.0	-4,597.0	-168.7	4,598.8	0.00	0.00	0.00	
15,855.0	90.00	179.44	10,645.0	-4,598.0	-168.7	4,599.8	0.00	0.00	0.00	
15,856.0	90.00	179.44	10,645.0	-4,599.0	-168.7	4,600.8	0.00	0.00	0.00	
15,857.0	90.00	179.44	10,645.0	-4,600.0	-168.7	4,601.8	0.00	0.00	0.00	
15,858.0	90.00	179.44	10,645.0	-4,601.0	-168.7	4,602.8	0.00	0.00	0.00	
15,859.0	90.00	179.44	10,645.0	-4,602.0	-168.7	4,603.8	0.00	0.00	0.00	
15,860.0	90.00	179.44	10,645.0	-4,603.0	-168.6	4,604.8	0.00	0.00	0.00	
15,861.0	90.00	179.44	10,645.0	-4,604.0	-168.6	4,605.8	0.00	0.00	0.00	
15,862.0	90.00	179.44	10,645.0	-4,605.0	-168.6	4,606.8	0.00	0.00	0.00	
15,863.0	90.00	179.44	10,645.0	-4,606.0	-168.6	4,607.8	0.00	0.00	0.00	
15,864.0	90.00	179.44	10,645.0	-4,607.0	-168.6	4,608.8	0.00	0.00	0.00	
15,865.0	90.00	179.44	10,645.0	-4,608.0	-168.6	4,609.8	0.00	0.00	0.00	
15,866.0	90.00	179.44	10,645.0	-4,609.0	-168.6	4,610.8	0.00	0.00	0.00	
15,867.0	90.00	179.44	10,645.0	-4,610.0	-168.6	4,611.8	0.00	0.00	0.00	
15,868.0	90.00	179.44	10,645.0	-4,611.0	-168.6	4,612.8	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,869.0	90.00	179.44	10,645.0	-4,612.0	-168.6	4,613.8	0.00	0.00	0.00
15,870.0	90.00	179.44	10,645.0	-4,613.0	-168.5	4,614.8	0.00	0.00	0.00
15,871.0	90.00	179.44	10,645.0	-4,614.0	-168.5	4,615.8	0.00	0.00	0.00
15,872.0	90.00	179.44	10,645.0	-4,615.0	-168.5	4,616.8	0.00	0.00	0.00
15,873.0	90.00	179.44	10,645.0	-4,616.0	-168.5	4,617.8	0.00	0.00	0.00
15,874.0	90.00	179.44	10,645.0	-4,617.0	-168.5	4,618.8	0.00	0.00	0.00
15,875.0	90.00	179.44	10,645.0	-4,618.0	-168.5	4,619.8	0.00	0.00	0.00
15,876.0	90.00	179.44	10,645.0	-4,619.0	-168.5	4,620.8	0.00	0.00	0.00
15,877.0	90.00	179.44	10,645.0	-4,620.0	-168.5	4,621.8	0.00	0.00	0.00
15,878.0	90.00	179.44	10,645.0	-4,621.0	-168.5	4,622.8	0.00	0.00	0.00
15,879.0	90.00	179.44	10,645.0	-4,622.0	-168.5	4,623.8	0.00	0.00	0.00
15,880.0	90.00	179.44	10,645.0	-4,623.0	-168.4	4,624.8	0.00	0.00	0.00
15,881.0	90.00	179.44	10,645.0	-4,624.0	-168.4	4,625.8	0.00	0.00	0.00
15,882.0	90.00	179.44	10,645.0	-4,625.0	-168.4	4,626.8	0.00	0.00	0.00
15,883.0	90.00	179.44	10,645.0	-4,626.0	-168.4	4,627.8	0.00	0.00	0.00
15,884.0	90.00	179.44	10,645.0	-4,627.0	-168.4	4,628.8	0.00	0.00	0.00
15,885.0	90.00	179.44	10,645.0	-4,628.0	-168.4	4,629.8	0.00	0.00	0.00
15,886.0	90.00	179.44	10,645.0	-4,629.0	-168.4	4,630.8	0.00	0.00	0.00
15,887.0	90.00	179.44	10,645.0	-4,630.0	-168.4	4,631.8	0.00	0.00	0.00
15,888.0	90.00	179.44	10,645.0	-4,631.0	-168.4	4,632.8	0.00	0.00	0.00
15,889.0	90.00	179.44	10,645.0	-4,632.0	-168.4	4,633.8	0.00	0.00	0.00
15,890.0	90.00	179.44	10,645.0	-4,633.0	-168.3	4,634.8	0.00	0.00	0.00
15,891.0	90.00	179.44	10,645.0	-4,634.0	-168.3	4,635.8	0.00	0.00	0.00
15,892.0	90.00	179.44	10,645.0	-4,635.0	-168.3	4,636.8	0.00	0.00	0.00
15,893.0	90.00	179.44	10,645.0	-4,636.0	-168.3	4,637.8	0.00	0.00	0.00
15,894.0	90.00	179.44	10,645.0	-4,637.0	-168.3	4,638.8	0.00	0.00	0.00
15,895.0	90.00	179.44	10,645.0	-4,638.0	-168.3	4,639.8	0.00	0.00	0.00
15,896.0	90.00	179.44	10,645.0	-4,639.0	-168.3	4,640.8	0.00	0.00	0.00
15,897.0	90.00	179.44	10,645.0	-4,640.0	-168.3	4,641.8	0.00	0.00	0.00
15,898.0	90.00	179.44	10,645.0	-4,641.0	-168.3	4,642.8	0.00	0.00	0.00
15,899.0	90.00	179.44	10,645.0	-4,642.0	-168.3	4,643.8	0.00	0.00	0.00
15,900.0	90.00	179.44	10,645.0	-4,643.0	-168.3	4,644.8	0.05	0.00	0.05
15,901.0	90.00	179.44	10,645.0	-4,644.0	-168.2	4,645.8	0.00	0.00	0.00
15,902.0	90.00	179.44	10,645.0	-4,645.0	-168.2	4,646.8	0.00	0.00	0.00
15,903.0	90.00	179.44	10,645.0	-4,646.0	-168.2	4,647.8	0.00	0.00	0.00
15,904.0	90.00	179.44	10,645.0	-4,647.0	-168.2	4,648.8	0.00	0.00	0.00
15,905.0	90.00	179.44	10,645.0	-4,648.0	-168.2	4,649.7	0.00	0.00	0.00
15,906.0	90.00	179.44	10,645.0	-4,649.0	-168.2	4,650.7	0.00	0.00	0.00
15,907.0	90.00	179.44	10,645.0	-4,650.0	-168.2	4,651.7	0.00	0.00	0.00
15,908.0	90.00	179.44	10,645.0	-4,651.0	-168.2	4,652.7	0.00	0.00	0.00
15,909.0	90.00	179.44	10,645.0	-4,652.0	-168.2	4,653.7	0.00	0.00	0.00
15,910.0	90.00	179.44	10,645.0	-4,653.0	-168.2	4,654.7	0.00	0.00	0.00
15,911.0	90.00	179.44	10,645.0	-4,654.0	-168.1	4,655.7	0.00	0.00	0.00
15,912.0	90.00	179.44	10,645.0	-4,655.0	-168.1	4,656.7	0.00	0.00	0.00
15,913.0	90.00	179.44	10,645.0	-4,656.0	-168.1	4,657.7	0.00	0.00	0.00
15,914.0	90.00	179.44	10,645.0	-4,657.0	-168.1	4,658.7	0.00	0.00	0.00
15,915.0	90.00	179.44	10,645.0	-4,658.0	-168.1	4,659.7	0.00	0.00	0.00
15,916.0	90.00	179.44	10,645.0	-4,659.0	-168.1	4,660.7	0.00	0.00	0.00
15,917.0	90.00	179.44	10,645.0	-4,660.0	-168.1	4,661.7	0.00	0.00	0.00
15,918.0	90.00	179.44	10,645.0	-4,661.0	-168.1	4,662.7	0.00	0.00	0.00
15,919.0	90.00	179.44	10,645.0	-4,662.0	-168.1	4,663.7	0.00	0.00	0.00
15,920.0	90.00	179.44	10,645.0	-4,663.0	-168.1	4,664.7	0.00	0.00	0.00
15,921.0	90.00	179.44	10,645.0	-4,664.0	-168.0	4,665.7	0.00	0.00	0.00
15,922.0	90.00	179.44	10,645.0	-4,665.0	-168.0	4,666.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,923.0	90.00	179.44	10,645.0	-4,666.0	-168.0	4,667.7	0.00	0.00	0.00
15,924.0	90.00	179.44	10,645.0	-4,667.0	-168.0	4,668.7	0.00	0.00	0.00
15,925.0	90.00	179.44	10,645.0	-4,668.0	-168.0	4,669.7	0.00	0.00	0.00
15,926.0	90.00	179.44	10,645.0	-4,669.0	-168.0	4,670.7	0.00	0.00	0.00
15,927.0	90.00	179.44	10,645.0	-4,670.0	-168.0	4,671.7	0.00	0.00	0.00
15,928.0	90.00	179.44	10,645.0	-4,671.0	-168.0	4,672.7	0.00	0.00	0.00
15,929.0	90.00	179.44	10,645.0	-4,672.0	-168.0	4,673.7	0.00	0.00	0.00
15,930.0	90.00	179.44	10,645.0	-4,673.0	-168.0	4,674.7	0.00	0.00	0.00
15,931.0	90.00	179.44	10,645.0	-4,674.0	-168.0	4,675.7	0.00	0.00	0.00
15,932.0	90.00	179.44	10,645.0	-4,675.0	-167.9	4,676.7	0.00	0.00	0.00
15,933.0	90.00	179.44	10,645.0	-4,676.0	-167.9	4,677.7	0.00	0.00	0.00
15,934.0	90.00	179.44	10,645.0	-4,677.0	-167.9	4,678.7	0.00	0.00	0.00
15,935.0	90.00	179.44	10,645.0	-4,678.0	-167.9	4,679.7	0.00	0.00	0.00
15,936.0	90.00	179.44	10,645.0	-4,679.0	-167.9	4,680.7	0.00	0.00	0.00
15,937.0	90.00	179.44	10,645.0	-4,680.0	-167.9	4,681.7	0.00	0.00	0.00
15,938.0	90.00	179.44	10,645.0	-4,681.0	-167.9	4,682.7	0.00	0.00	0.00
15,939.0	90.00	179.44	10,645.0	-4,682.0	-167.9	4,683.7	0.00	0.00	0.00
15,940.0	90.00	179.44	10,645.0	-4,683.0	-167.9	4,684.7	0.00	0.00	0.00
15,941.0	90.00	179.44	10,645.0	-4,684.0	-167.9	4,685.7	0.00	0.00	0.00
15,942.0	90.00	179.44	10,645.0	-4,685.0	-167.8	4,686.7	0.00	0.00	0.00
15,943.0	90.00	179.44	10,645.0	-4,686.0	-167.8	4,687.7	0.00	0.00	0.00
15,944.0	90.00	179.44	10,645.0	-4,687.0	-167.8	4,688.7	0.00	0.00	0.00
15,945.0	90.00	179.44	10,645.0	-4,688.0	-167.8	4,689.7	0.00	0.00	0.00
15,946.0	90.00	179.44	10,645.0	-4,689.0	-167.8	4,690.7	0.00	0.00	0.00
15,947.0	90.00	179.44	10,645.0	-4,690.0	-167.8	4,691.7	0.00	0.00	0.00
15,948.0	90.00	179.44	10,645.0	-4,691.0	-167.8	4,692.7	0.00	0.00	0.00
15,949.0	90.00	179.44	10,645.0	-4,692.0	-167.8	4,693.7	0.00	0.00	0.00
15,950.0	90.00	179.44	10,645.0	-4,693.0	-167.8	4,694.7	0.00	0.00	0.00
15,951.0	90.00	179.44	10,645.0	-4,694.0	-167.8	4,695.7	0.00	0.00	0.00
15,952.0	90.00	179.44	10,645.0	-4,695.0	-167.7	4,696.7	0.00	0.00	0.00
15,953.0	90.00	179.44	10,645.0	-4,696.0	-167.7	4,697.7	0.00	0.00	0.00
15,954.0	90.00	179.44	10,645.0	-4,697.0	-167.7	4,698.7	0.00	0.00	0.00
15,955.0	90.00	179.44	10,645.0	-4,698.0	-167.7	4,699.7	0.00	0.00	0.00
15,956.0	90.00	179.44	10,645.0	-4,699.0	-167.7	4,700.7	0.00	0.00	0.00
15,957.0	90.00	179.44	10,645.0	-4,700.0	-167.7	4,701.7	0.00	0.00	0.00
15,958.0	90.00	179.44	10,645.0	-4,701.0	-167.7	4,702.7	0.00	0.00	0.00
15,959.0	90.00	179.44	10,645.0	-4,702.0	-167.7	4,703.7	0.00	0.00	0.00
15,960.0	90.00	179.44	10,645.0	-4,703.0	-167.7	4,704.7	0.00	0.00	0.00
15,961.0	90.00	179.44	10,645.0	-4,704.0	-167.7	4,705.7	0.00	0.00	0.00
15,962.0	90.00	179.44	10,645.0	-4,705.0	-167.7	4,706.7	0.00	0.00	0.00
15,963.0	90.00	179.44	10,645.0	-4,706.0	-167.6	4,707.7	0.00	0.00	0.00
15,964.0	90.00	179.44	10,645.0	-4,707.0	-167.6	4,708.7	0.00	0.00	0.00
15,965.0	90.00	179.44	10,645.0	-4,708.0	-167.6	4,709.7	0.00	0.00	0.00
15,966.0	90.00	179.44	10,645.0	-4,709.0	-167.6	4,710.7	0.00	0.00	0.00
15,967.0	90.00	179.44	10,645.0	-4,710.0	-167.6	4,711.7	0.00	0.00	0.00
15,968.0	90.00	179.44	10,645.0	-4,711.0	-167.6	4,712.7	0.00	0.00	0.00
15,969.0	90.00	179.44	10,645.0	-4,712.0	-167.6	4,713.7	0.00	0.00	0.00
15,970.0	90.00	179.44	10,645.0	-4,713.0	-167.6	4,714.7	0.00	0.00	0.00
15,971.0	90.00	179.44	10,645.0	-4,714.0	-167.6	4,715.7	0.00	0.00	0.00
15,972.0	90.00	179.44	10,645.0	-4,715.0	-167.6	4,716.7	0.00	0.00	0.00
15,973.0	90.00	179.44	10,645.0	-4,716.0	-167.5	4,717.7	0.00	0.00	0.00
15,974.0	90.00	179.44	10,645.0	-4,717.0	-167.5	4,718.7	0.00	0.00	0.00
15,975.0	90.00	179.44	10,645.0	-4,718.0	-167.5	4,719.7	0.00	0.00	0.00
15,976.0	90.00	179.44	10,645.0	-4,719.0	-167.5	4,720.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,977.0	90.00	179.44	10,645.0	-4,720.0	-167.5	4,721.7	0.00	0.00	0.00	
15,978.0	90.00	179.44	10,645.0	-4,721.0	-167.5	4,722.7	0.00	0.00	0.00	
15,979.0	90.00	179.44	10,645.0	-4,722.0	-167.5	4,723.7	0.00	0.00	0.00	
15,980.0	90.00	179.44	10,645.0	-4,723.0	-167.5	4,724.7	0.00	0.00	0.00	
15,981.0	90.00	179.44	10,645.0	-4,724.0	-167.5	4,725.7	0.00	0.00	0.00	
15,982.0	90.00	179.44	10,645.0	-4,725.0	-167.5	4,726.7	0.00	0.00	0.00	
15,983.0	90.00	179.44	10,645.0	-4,726.0	-167.4	4,727.7	0.00	0.00	0.00	
15,984.0	90.00	179.44	10,645.0	-4,727.0	-167.4	4,728.7	0.00	0.00	0.00	
15,985.0	90.00	179.44	10,645.0	-4,728.0	-167.4	4,729.7	0.00	0.00	0.00	
15,986.0	90.00	179.44	10,645.0	-4,729.0	-167.4	4,730.7	0.00	0.00	0.00	
15,987.0	90.00	179.44	10,645.0	-4,730.0	-167.4	4,731.7	0.00	0.00	0.00	
15,988.0	90.00	179.44	10,645.0	-4,731.0	-167.4	4,732.7	0.00	0.00	0.00	
15,989.0	90.00	179.44	10,645.0	-4,732.0	-167.4	4,733.7	0.00	0.00	0.00	
15,990.0	90.00	179.44	10,645.0	-4,733.0	-167.4	4,734.7	0.00	0.00	0.00	
15,991.0	90.00	179.44	10,645.0	-4,734.0	-167.4	4,735.7	0.00	0.00	0.00	
15,992.0	90.00	179.44	10,645.0	-4,735.0	-167.4	4,736.7	0.00	0.00	0.00	
15,993.0	90.00	179.44	10,645.0	-4,736.0	-167.3	4,737.7	0.00	0.00	0.00	
15,994.0	90.00	179.44	10,645.0	-4,737.0	-167.3	4,738.7	0.00	0.00	0.00	
15,995.0	90.00	179.44	10,645.0	-4,738.0	-167.3	4,739.7	0.00	0.00	0.00	
15,996.0	90.00	179.44	10,645.0	-4,739.0	-167.3	4,740.7	0.00	0.00	0.00	
15,997.0	90.00	179.44	10,645.0	-4,740.0	-167.3	4,741.7	0.00	0.00	0.00	
15,998.0	90.00	179.44	10,645.0	-4,741.0	-167.3	4,742.7	0.00	0.00	0.00	
15,999.0	90.00	179.44	10,645.0	-4,742.0	-167.3	4,743.7	0.00	0.00	0.00	
16,000.0	90.00	179.44	10,645.0	-4,743.0	-167.3	4,744.7	0.05	0.00	0.05	
16,001.0	90.00	179.44	10,645.0	-4,744.0	-167.3	4,745.7	0.00	0.00	0.00	
16,002.0	90.00	179.44	10,645.0	-4,745.0	-167.3	4,746.7	0.00	0.00	0.00	
16,003.0	90.00	179.44	10,645.0	-4,746.0	-167.3	4,747.7	0.00	0.00	0.00	
16,004.0	90.00	179.44	10,645.0	-4,747.0	-167.2	4,748.7	0.00	0.00	0.00	
16,005.0	90.00	179.44	10,645.0	-4,748.0	-167.2	4,749.7	0.00	0.00	0.00	
16,006.0	90.00	179.44	10,645.0	-4,749.0	-167.2	4,750.7	0.00	0.00	0.00	
16,007.0	90.00	179.44	10,645.0	-4,750.0	-167.2	4,751.7	0.00	0.00	0.00	
16,008.0	90.00	179.44	10,645.0	-4,751.0	-167.2	4,752.7	0.00	0.00	0.00	
16,009.0	90.00	179.44	10,645.0	-4,752.0	-167.2	4,753.7	0.00	0.00	0.00	
16,010.0	90.00	179.44	10,645.0	-4,753.0	-167.2	4,754.7	0.00	0.00	0.00	
16,011.0	90.00	179.44	10,645.0	-4,754.0	-167.2	4,755.7	0.00	0.00	0.00	
16,012.0	90.00	179.44	10,645.0	-4,755.0	-167.2	4,756.7	0.00	0.00	0.00	
16,013.0	90.00	179.44	10,645.0	-4,756.0	-167.2	4,757.7	0.00	0.00	0.00	
16,014.0	90.00	179.44	10,645.0	-4,757.0	-167.1	4,758.7	0.00	0.00	0.00	
16,015.0	90.00	179.44	10,645.0	-4,758.0	-167.1	4,759.7	0.00	0.00	0.00	
16,016.0	90.00	179.44	10,645.0	-4,759.0	-167.1	4,760.7	0.00	0.00	0.00	
16,017.0	90.00	179.44	10,645.0	-4,760.0	-167.1	4,761.7	0.00	0.00	0.00	
16,018.0	90.00	179.44	10,645.0	-4,761.0	-167.1	4,762.7	0.00	0.00	0.00	
16,019.0	90.00	179.44	10,645.0	-4,762.0	-167.1	4,763.7	0.00	0.00	0.00	
16,020.0	90.00	179.44	10,645.0	-4,763.0	-167.1	4,764.7	0.00	0.00	0.00	
16,021.0	90.00	179.44	10,645.0	-4,764.0	-167.1	4,765.7	0.00	0.00	0.00	
16,022.0	90.00	179.44	10,645.0	-4,765.0	-167.1	4,766.7	0.00	0.00	0.00	
16,023.0	90.00	179.44	10,645.0	-4,766.0	-167.1	4,767.7	0.00	0.00	0.00	
16,024.0	90.00	179.44	10,645.0	-4,767.0	-167.0	4,768.7	0.00	0.00	0.00	
16,025.0	90.00	179.44	10,645.0	-4,768.0	-167.0	4,769.7	0.00	0.00	0.00	
16,026.0	90.00	179.44	10,645.0	-4,769.0	-167.0	4,770.7	0.00	0.00	0.00	
16,027.0	90.00	179.44	10,645.0	-4,770.0	-167.0	4,771.7	0.00	0.00	0.00	
16,028.0	90.00	179.44	10,645.0	-4,771.0	-167.0	4,772.7	0.00	0.00	0.00	
16,029.0	90.00	179.44	10,645.0	-4,772.0	-167.0	4,773.7	0.00	0.00	0.00	
16,030.0	90.00	179.44	10,645.0	-4,773.0	-167.0	4,774.7	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,031.0	90.00	179.44	10,645.0	-4,774.0	-167.0	4,775.7	0.00	0.00	0.00
16,032.0	90.00	179.44	10,645.0	-4,775.0	-167.0	4,776.7	0.00	0.00	0.00
16,033.0	90.00	179.44	10,645.0	-4,776.0	-167.0	4,777.7	0.00	0.00	0.00
16,034.0	90.00	179.44	10,645.0	-4,777.0	-167.0	4,778.7	0.00	0.00	0.00
16,035.0	90.00	179.44	10,645.0	-4,778.0	-166.9	4,779.7	0.00	0.00	0.00
16,036.0	90.00	179.44	10,645.0	-4,779.0	-166.9	4,780.7	0.00	0.00	0.00
16,037.0	90.00	179.44	10,645.0	-4,780.0	-166.9	4,781.7	0.00	0.00	0.00
16,038.0	90.00	179.44	10,645.0	-4,781.0	-166.9	4,782.7	0.00	0.00	0.00
16,039.0	90.00	179.44	10,645.0	-4,782.0	-166.9	4,783.7	0.00	0.00	0.00
16,040.0	90.00	179.44	10,645.0	-4,783.0	-166.9	4,784.7	0.00	0.00	0.00
16,041.0	90.00	179.44	10,645.0	-4,784.0	-166.9	4,785.7	0.00	0.00	0.00
16,042.0	90.00	179.44	10,645.0	-4,785.0	-166.9	4,786.7	0.00	0.00	0.00
16,043.0	90.00	179.44	10,645.0	-4,786.0	-166.9	4,787.7	0.00	0.00	0.00
16,044.0	90.00	179.44	10,645.0	-4,787.0	-166.9	4,788.7	0.00	0.00	0.00
16,045.0	90.00	179.44	10,645.0	-4,788.0	-166.8	4,789.7	0.00	0.00	0.00
16,046.0	90.00	179.44	10,645.0	-4,789.0	-166.8	4,790.7	0.00	0.00	0.00
16,047.0	90.00	179.44	10,645.0	-4,790.0	-166.8	4,791.7	0.00	0.00	0.00
16,048.0	90.00	179.44	10,645.0	-4,791.0	-166.8	4,792.7	0.00	0.00	0.00
16,049.0	90.00	179.44	10,645.0	-4,792.0	-166.8	4,793.7	0.00	0.00	0.00
16,050.0	90.00	179.44	10,645.0	-4,793.0	-166.8	4,794.7	0.00	0.00	0.00
16,051.0	90.00	179.44	10,645.0	-4,794.0	-166.8	4,795.7	0.00	0.00	0.00
16,052.0	90.00	179.44	10,645.0	-4,795.0	-166.8	4,796.7	0.00	0.00	0.00
16,053.0	90.00	179.44	10,645.0	-4,796.0	-166.8	4,797.7	0.00	0.00	0.00
16,054.0	90.00	179.44	10,645.0	-4,797.0	-166.8	4,798.7	0.00	0.00	0.00
16,055.0	90.00	179.44	10,645.0	-4,798.0	-166.7	4,799.7	0.00	0.00	0.00
16,056.0	90.00	179.44	10,645.0	-4,799.0	-166.7	4,800.7	0.00	0.00	0.00
16,057.0	90.00	179.44	10,645.0	-4,800.0	-166.7	4,801.7	0.00	0.00	0.00
16,058.0	90.00	179.44	10,645.0	-4,801.0	-166.7	4,802.7	0.00	0.00	0.00
16,059.0	90.00	179.44	10,645.0	-4,802.0	-166.7	4,803.7	0.00	0.00	0.00
16,060.0	90.00	179.44	10,645.0	-4,803.0	-166.7	4,804.7	0.00	0.00	0.00
16,061.0	90.00	179.44	10,645.0	-4,804.0	-166.7	4,805.7	0.00	0.00	0.00
16,062.0	90.00	179.44	10,645.0	-4,805.0	-166.7	4,806.7	0.00	0.00	0.00
16,063.0	90.00	179.44	10,645.0	-4,806.0	-166.7	4,807.7	0.00	0.00	0.00
16,064.0	90.00	179.44	10,645.0	-4,807.0	-166.7	4,808.7	0.00	0.00	0.00
16,065.0	90.00	179.44	10,645.0	-4,808.0	-166.7	4,809.7	0.00	0.00	0.00
16,066.0	90.00	179.44	10,645.0	-4,809.0	-166.6	4,810.7	0.00	0.00	0.00
16,067.0	90.00	179.44	10,645.0	-4,810.0	-166.6	4,811.7	0.00	0.00	0.00
16,068.0	90.00	179.44	10,645.0	-4,811.0	-166.6	4,812.7	0.00	0.00	0.00
16,069.0	90.00	179.44	10,645.0	-4,812.0	-166.6	4,813.7	0.00	0.00	0.00
16,070.0	90.00	179.44	10,645.0	-4,813.0	-166.6	4,814.7	0.00	0.00	0.00
16,071.0	90.00	179.44	10,645.0	-4,814.0	-166.6	4,815.7	0.00	0.00	0.00
16,072.0	90.00	179.44	10,645.0	-4,815.0	-166.6	4,816.7	0.00	0.00	0.00
16,073.0	90.00	179.44	10,645.0	-4,816.0	-166.6	4,817.7	0.00	0.00	0.00
16,074.0	90.00	179.44	10,645.0	-4,817.0	-166.6	4,818.7	0.00	0.00	0.00
16,075.0	90.00	179.44	10,645.0	-4,818.0	-166.6	4,819.7	0.00	0.00	0.00
16,076.0	90.00	179.44	10,645.0	-4,819.0	-166.5	4,820.7	0.00	0.00	0.00
16,077.0	90.00	179.44	10,645.0	-4,820.0	-166.5	4,821.7	0.00	0.00	0.00
16,078.0	90.00	179.44	10,645.0	-4,821.0	-166.5	4,822.7	0.00	0.00	0.00
16,079.0	90.00	179.44	10,645.0	-4,822.0	-166.5	4,823.7	0.00	0.00	0.00
16,080.0	90.00	179.44	10,645.0	-4,823.0	-166.5	4,824.7	0.00	0.00	0.00
16,081.0	90.00	179.44	10,645.0	-4,824.0	-166.5	4,825.7	0.00	0.00	0.00
16,082.0	90.00	179.44	10,645.0	-4,825.0	-166.5	4,826.7	0.00	0.00	0.00
16,083.0	90.00	179.44	10,645.0	-4,826.0	-166.5	4,827.7	0.00	0.00	0.00
16,084.0	90.00	179.44	10,645.0	-4,827.0	-166.5	4,828.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,085.0	90.00	179.44	10,645.0	-4,828.0	-166.5	4,829.7	0.00	0.00	0.00
16,086.0	90.00	179.44	10,645.0	-4,829.0	-166.4	4,830.7	0.00	0.00	0.00
16,087.0	90.00	179.44	10,645.0	-4,830.0	-166.4	4,831.7	0.00	0.00	0.00
16,088.0	90.00	179.44	10,645.0	-4,831.0	-166.4	4,832.7	0.00	0.00	0.00
16,089.0	90.00	179.44	10,645.0	-4,832.0	-166.4	4,833.7	0.00	0.00	0.00
16,090.0	90.00	179.44	10,645.0	-4,833.0	-166.4	4,834.7	0.00	0.00	0.00
16,091.0	90.00	179.44	10,645.0	-4,834.0	-166.4	4,835.7	0.00	0.00	0.00
16,092.0	90.00	179.44	10,645.0	-4,835.0	-166.4	4,836.7	0.00	0.00	0.00
16,093.0	90.00	179.44	10,645.0	-4,836.0	-166.4	4,837.7	0.00	0.00	0.00
16,094.0	90.00	179.44	10,645.0	-4,837.0	-166.4	4,838.7	0.00	0.00	0.00
16,095.0	90.00	179.44	10,645.0	-4,838.0	-166.4	4,839.7	0.00	0.00	0.00
16,096.0	90.00	179.44	10,645.0	-4,839.0	-166.4	4,840.7	0.00	0.00	0.00
16,097.0	90.00	179.44	10,645.0	-4,840.0	-166.3	4,841.7	0.00	0.00	0.00
16,098.0	90.00	179.44	10,645.0	-4,841.0	-166.3	4,842.7	0.00	0.00	0.00
16,099.0	90.00	179.44	10,645.0	-4,842.0	-166.3	4,843.7	0.00	0.00	0.00
16,100.0	90.00	179.44	10,645.0	-4,843.0	-166.3	4,844.7	0.05	0.00	0.05
16,101.0	90.00	179.44	10,645.0	-4,844.0	-166.3	4,845.7	0.00	0.00	0.00
16,102.0	90.00	179.44	10,645.0	-4,845.0	-166.3	4,846.7	0.00	0.00	0.00
16,103.0	90.00	179.44	10,645.0	-4,846.0	-166.3	4,847.7	0.00	0.00	0.00
16,104.0	90.00	179.44	10,645.0	-4,847.0	-166.3	4,848.7	0.00	0.00	0.00
16,105.0	90.00	179.44	10,645.0	-4,848.0	-166.3	4,849.7	0.00	0.00	0.00
16,106.0	90.00	179.44	10,645.0	-4,849.0	-166.3	4,850.7	0.00	0.00	0.00
16,107.0	90.00	179.44	10,645.0	-4,850.0	-166.2	4,851.7	0.00	0.00	0.00
16,108.0	90.00	179.44	10,645.0	-4,851.0	-166.2	4,852.7	0.00	0.00	0.00
16,109.0	90.00	179.44	10,645.0	-4,852.0	-166.2	4,853.7	0.00	0.00	0.00
16,110.0	90.00	179.44	10,645.0	-4,853.0	-166.2	4,854.7	0.00	0.00	0.00
16,111.0	90.00	179.44	10,645.0	-4,854.0	-166.2	4,855.7	0.00	0.00	0.00
16,112.0	90.00	179.44	10,645.0	-4,855.0	-166.2	4,856.7	0.00	0.00	0.00
16,113.0	90.00	179.44	10,645.0	-4,856.0	-166.2	4,857.7	0.00	0.00	0.00
16,114.0	90.00	179.44	10,645.0	-4,857.0	-166.2	4,858.7	0.00	0.00	0.00
16,115.0	90.00	179.44	10,645.0	-4,858.0	-166.2	4,859.7	0.00	0.00	0.00
16,116.0	90.00	179.44	10,645.0	-4,859.0	-166.2	4,860.7	0.00	0.00	0.00
16,117.0	90.00	179.44	10,645.0	-4,860.0	-166.1	4,861.7	0.00	0.00	0.00
16,118.0	90.00	179.44	10,645.0	-4,861.0	-166.1	4,862.7	0.00	0.00	0.00
16,119.0	90.00	179.44	10,645.0	-4,862.0	-166.1	4,863.7	0.00	0.00	0.00
16,120.0	90.00	179.44	10,645.0	-4,863.0	-166.1	4,864.7	0.00	0.00	0.00
16,121.0	90.00	179.44	10,645.0	-4,864.0	-166.1	4,865.7	0.00	0.00	0.00
16,122.0	90.00	179.44	10,645.0	-4,865.0	-166.1	4,866.7	0.00	0.00	0.00
16,123.0	90.00	179.44	10,645.0	-4,866.0	-166.1	4,867.7	0.00	0.00	0.00
16,124.0	90.00	179.44	10,645.0	-4,867.0	-166.1	4,868.7	0.00	0.00	0.00
16,125.0	90.00	179.44	10,645.0	-4,868.0	-166.1	4,869.7	0.00	0.00	0.00
16,126.0	90.00	179.44	10,645.0	-4,869.0	-166.1	4,870.7	0.00	0.00	0.00
16,127.0	90.00	179.44	10,645.0	-4,870.0	-166.1	4,871.7	0.00	0.00	0.00
16,128.0	90.00	179.44	10,645.0	-4,871.0	-166.0	4,872.7	0.00	0.00	0.00
16,129.0	90.00	179.44	10,645.0	-4,872.0	-166.0	4,873.7	0.00	0.00	0.00
16,130.0	90.00	179.44	10,645.0	-4,873.0	-166.0	4,874.7	0.00	0.00	0.00
16,131.0	90.00	179.44	10,645.0	-4,874.0	-166.0	4,875.7	0.00	0.00	0.00
16,132.0	90.00	179.44	10,645.0	-4,875.0	-166.0	4,876.7	0.00	0.00	0.00
16,133.0	90.00	179.44	10,645.0	-4,876.0	-166.0	4,877.7	0.00	0.00	0.00
16,134.0	90.00	179.44	10,645.0	-4,877.0	-166.0	4,878.7	0.00	0.00	0.00
16,135.0	90.00	179.44	10,645.0	-4,878.0	-166.0	4,879.7	0.00	0.00	0.00
16,136.0	90.00	179.44	10,645.0	-4,879.0	-166.0	4,880.7	0.00	0.00	0.00
16,137.0	90.00	179.44	10,645.0	-4,880.0	-166.0	4,881.7	0.00	0.00	0.00
16,138.0	90.00	179.44	10,645.0	-4,881.0	-165.9	4,882.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,139.0	90.00	179.44	10,645.0	-4,882.0	-165.9	4,883.7	0.00	0.00	0.00
16,140.0	90.00	179.44	10,645.0	-4,883.0	-165.9	4,884.7	0.00	0.00	0.00
16,141.0	90.00	179.44	10,645.0	-4,884.0	-165.9	4,885.7	0.00	0.00	0.00
16,142.0	90.00	179.44	10,645.0	-4,885.0	-165.9	4,886.7	0.00	0.00	0.00
16,143.0	90.00	179.44	10,645.0	-4,886.0	-165.9	4,887.7	0.00	0.00	0.00
16,144.0	90.00	179.44	10,645.0	-4,887.0	-165.9	4,888.7	0.00	0.00	0.00
16,145.0	90.00	179.44	10,645.0	-4,888.0	-165.9	4,889.7	0.00	0.00	0.00
16,146.0	90.00	179.44	10,645.0	-4,889.0	-165.9	4,890.7	0.00	0.00	0.00
16,147.0	90.00	179.44	10,645.0	-4,890.0	-165.9	4,891.7	0.00	0.00	0.00
16,148.0	90.00	179.44	10,645.0	-4,891.0	-165.8	4,892.7	0.00	0.00	0.00
16,149.0	90.00	179.44	10,645.0	-4,892.0	-165.8	4,893.7	0.00	0.00	0.00
16,150.0	90.00	179.44	10,645.0	-4,893.0	-165.8	4,894.7	0.00	0.00	0.00
16,151.0	90.00	179.44	10,645.0	-4,894.0	-165.8	4,895.7	0.00	0.00	0.00
16,152.0	90.00	179.44	10,645.0	-4,895.0	-165.8	4,896.7	0.00	0.00	0.00
16,153.0	90.00	179.44	10,645.0	-4,896.0	-165.8	4,897.7	0.00	0.00	0.00
16,154.0	90.00	179.44	10,645.0	-4,897.0	-165.8	4,898.7	0.00	0.00	0.00
16,155.0	90.00	179.44	10,645.0	-4,898.0	-165.8	4,899.7	0.00	0.00	0.00
16,156.0	90.00	179.44	10,645.0	-4,899.0	-165.8	4,900.7	0.00	0.00	0.00
16,157.0	90.00	179.44	10,645.0	-4,900.0	-165.8	4,901.7	0.00	0.00	0.00
16,158.0	90.00	179.44	10,645.0	-4,901.0	-165.8	4,902.7	0.00	0.00	0.00
16,159.0	90.00	179.44	10,645.0	-4,902.0	-165.7	4,903.7	0.00	0.00	0.00
16,160.0	90.00	179.44	10,645.0	-4,903.0	-165.7	4,904.7	0.00	0.00	0.00
16,161.0	90.00	179.44	10,645.0	-4,904.0	-165.7	4,905.7	0.00	0.00	0.00
16,162.0	90.00	179.44	10,645.0	-4,905.0	-165.7	4,906.7	0.00	0.00	0.00
16,163.0	90.00	179.44	10,645.0	-4,906.0	-165.7	4,907.7	0.00	0.00	0.00
16,164.0	90.00	179.44	10,645.0	-4,907.0	-165.7	4,908.7	0.00	0.00	0.00
16,165.0	90.00	179.44	10,645.0	-4,908.0	-165.7	4,909.7	0.00	0.00	0.00
16,166.0	90.00	179.44	10,645.0	-4,909.0	-165.7	4,910.7	0.00	0.00	0.00
16,167.0	90.00	179.44	10,645.0	-4,910.0	-165.7	4,911.7	0.00	0.00	0.00
16,168.0	90.00	179.44	10,645.0	-4,911.0	-165.7	4,912.7	0.00	0.00	0.00
16,169.0	90.00	179.44	10,645.0	-4,912.0	-165.6	4,913.7	0.00	0.00	0.00
16,170.0	90.00	179.44	10,645.0	-4,913.0	-165.6	4,914.7	0.00	0.00	0.00
16,171.0	90.00	179.44	10,645.0	-4,914.0	-165.6	4,915.7	0.00	0.00	0.00
16,172.0	90.00	179.44	10,645.0	-4,915.0	-165.6	4,916.7	0.00	0.00	0.00
16,173.0	90.00	179.44	10,645.0	-4,916.0	-165.6	4,917.7	0.00	0.00	0.00
16,174.0	90.00	179.44	10,645.0	-4,917.0	-165.6	4,918.7	0.00	0.00	0.00
16,175.0	90.00	179.44	10,645.0	-4,918.0	-165.6	4,919.7	0.00	0.00	0.00
16,176.0	90.00	179.44	10,645.0	-4,919.0	-165.6	4,920.7	0.00	0.00	0.00
16,177.0	90.00	179.44	10,645.0	-4,920.0	-165.6	4,921.7	0.00	0.00	0.00
16,178.0	90.00	179.44	10,645.0	-4,921.0	-165.6	4,922.7	0.00	0.00	0.00
16,179.0	90.00	179.44	10,645.0	-4,922.0	-165.5	4,923.7	0.00	0.00	0.00
16,180.0	90.00	179.44	10,645.0	-4,923.0	-165.5	4,924.7	0.00	0.00	0.00
16,181.0	90.00	179.44	10,645.0	-4,924.0	-165.5	4,925.7	0.00	0.00	0.00
16,182.0	90.00	179.44	10,645.0	-4,925.0	-165.5	4,926.7	0.00	0.00	0.00
16,183.0	90.00	179.44	10,645.0	-4,926.0	-165.5	4,927.7	0.00	0.00	0.00
16,184.0	90.00	179.44	10,645.0	-4,927.0	-165.5	4,928.7	0.00	0.00	0.00
16,185.0	90.00	179.44	10,645.0	-4,928.0	-165.5	4,929.7	0.00	0.00	0.00
16,186.0	90.00	179.44	10,645.0	-4,929.0	-165.5	4,930.7	0.00	0.00	0.00
16,187.0	90.00	179.44	10,645.0	-4,930.0	-165.5	4,931.7	0.00	0.00	0.00
16,188.0	90.00	179.44	10,645.0	-4,931.0	-165.5	4,932.7	0.00	0.00	0.00
16,189.0	90.00	179.44	10,645.0	-4,932.0	-165.5	4,933.7	0.00	0.00	0.00
16,190.0	90.00	179.44	10,645.0	-4,933.0	-165.4	4,934.7	0.00	0.00	0.00
16,191.0	90.00	179.44	10,645.0	-4,934.0	-165.4	4,935.7	0.00	0.00	0.00
16,192.0	90.00	179.44	10,645.0	-4,935.0	-165.4	4,936.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,193.0	90.00	179.44	10,645.0	-4,936.0	-165.4	4,937.7	0.00	0.00	0.00
16,194.0	90.00	179.44	10,645.0	-4,937.0	-165.4	4,938.7	0.00	0.00	0.00
16,195.0	90.00	179.44	10,645.0	-4,938.0	-165.4	4,939.7	0.00	0.00	0.00
16,196.0	90.00	179.44	10,645.0	-4,939.0	-165.4	4,940.7	0.00	0.00	0.00
16,197.0	90.00	179.44	10,645.0	-4,940.0	-165.4	4,941.7	0.00	0.00	0.00
16,198.0	90.00	179.44	10,645.0	-4,941.0	-165.4	4,942.7	0.00	0.00	0.00
16,199.0	90.00	179.44	10,645.0	-4,942.0	-165.4	4,943.7	0.00	0.00	0.00
16,200.0	90.00	179.45	10,645.0	-4,943.0	-165.3	4,944.7	0.05	0.00	0.05
16,201.0	90.00	179.45	10,645.0	-4,944.0	-165.3	4,945.7	0.00	0.00	0.00
16,202.0	90.00	179.45	10,645.0	-4,945.0	-165.3	4,946.7	0.00	0.00	0.00
16,203.0	90.00	179.45	10,645.0	-4,946.0	-165.3	4,947.7	0.00	0.00	0.00
16,204.0	90.00	179.45	10,645.0	-4,947.0	-165.3	4,948.7	0.00	0.00	0.00
16,205.0	90.00	179.45	10,645.0	-4,948.0	-165.3	4,949.7	0.00	0.00	0.00
16,206.0	90.00	179.45	10,645.0	-4,949.0	-165.3	4,950.7	0.00	0.00	0.00
16,207.0	90.00	179.45	10,645.0	-4,950.0	-165.3	4,951.7	0.00	0.00	0.00
16,208.0	90.00	179.45	10,645.0	-4,951.0	-165.3	4,952.7	0.00	0.00	0.00
16,209.0	90.00	179.45	10,645.0	-4,952.0	-165.3	4,953.7	0.00	0.00	0.00
16,210.0	90.00	179.45	10,645.0	-4,953.0	-165.2	4,954.7	0.00	0.00	0.00
16,211.0	90.00	179.45	10,645.0	-4,954.0	-165.2	4,955.7	0.00	0.00	0.00
16,212.0	90.00	179.45	10,645.0	-4,955.0	-165.2	4,956.7	0.00	0.00	0.00
16,213.0	90.00	179.45	10,645.0	-4,956.0	-165.2	4,957.7	0.00	0.00	0.00
16,214.0	90.00	179.45	10,645.0	-4,957.0	-165.2	4,958.7	0.00	0.00	0.00
16,215.0	90.00	179.45	10,645.0	-4,958.0	-165.2	4,959.7	0.00	0.00	0.00
16,216.0	90.00	179.45	10,645.0	-4,959.0	-165.2	4,960.7	0.00	0.00	0.00
16,217.0	90.00	179.45	10,645.0	-4,960.0	-165.2	4,961.7	0.00	0.00	0.00
16,218.0	90.00	179.45	10,645.0	-4,961.0	-165.2	4,962.7	0.00	0.00	0.00
16,219.0	90.00	179.45	10,645.0	-4,962.0	-165.2	4,963.7	0.00	0.00	0.00
16,220.0	90.00	179.45	10,645.0	-4,963.0	-165.2	4,964.7	0.00	0.00	0.00
16,221.0	90.00	179.45	10,645.0	-4,964.0	-165.1	4,965.7	0.00	0.00	0.00
16,222.0	90.00	179.45	10,645.0	-4,965.0	-165.1	4,966.7	0.00	0.00	0.00
16,223.0	90.00	179.45	10,645.0	-4,966.0	-165.1	4,967.7	0.00	0.00	0.00
16,224.0	90.00	179.45	10,645.0	-4,967.0	-165.1	4,968.7	0.00	0.00	0.00
16,225.0	90.00	179.45	10,645.0	-4,968.0	-165.1	4,969.7	0.00	0.00	0.00
16,226.0	90.00	179.45	10,645.0	-4,969.0	-165.1	4,970.7	0.00	0.00	0.00
16,227.0	90.00	179.45	10,645.0	-4,970.0	-165.1	4,971.7	0.00	0.00	0.00
16,228.0	90.00	179.45	10,645.0	-4,971.0	-165.1	4,972.7	0.00	0.00	0.00
16,229.0	90.00	179.45	10,645.0	-4,972.0	-165.1	4,973.7	0.00	0.00	0.00
16,230.0	90.00	179.45	10,645.0	-4,973.0	-165.1	4,974.7	0.00	0.00	0.00
16,231.0	90.00	179.45	10,645.0	-4,974.0	-165.0	4,975.7	0.00	0.00	0.00
16,232.0	90.00	179.45	10,645.0	-4,975.0	-165.0	4,976.7	0.00	0.00	0.00
16,233.0	90.00	179.45	10,645.0	-4,976.0	-165.0	4,977.7	0.00	0.00	0.00
16,234.0	90.00	179.45	10,645.0	-4,977.0	-165.0	4,978.7	0.00	0.00	0.00
16,235.0	90.00	179.45	10,645.0	-4,978.0	-165.0	4,979.7	0.00	0.00	0.00
16,236.0	90.00	179.45	10,645.0	-4,979.0	-165.0	4,980.7	0.00	0.00	0.00
16,237.0	90.00	179.45	10,645.0	-4,980.0	-165.0	4,981.7	0.00	0.00	0.00
16,238.0	90.00	179.45	10,645.0	-4,981.0	-165.0	4,982.7	0.00	0.00	0.00
16,239.0	90.00	179.45	10,645.0	-4,982.0	-165.0	4,983.7	0.00	0.00	0.00
16,240.0	90.00	179.45	10,645.0	-4,983.0	-165.0	4,984.7	0.00	0.00	0.00
16,241.0	90.00	179.45	10,645.0	-4,984.0	-164.9	4,985.7	0.00	0.00	0.00
16,242.0	90.00	179.45	10,645.0	-4,985.0	-164.9	4,986.7	0.00	0.00	0.00
16,243.0	90.00	179.45	10,645.0	-4,986.0	-164.9	4,987.7	0.00	0.00	0.00
16,244.0	90.00	179.45	10,645.0	-4,987.0	-164.9	4,988.7	0.00	0.00	0.00
16,245.0	90.00	179.45	10,645.0	-4,988.0	-164.9	4,989.7	0.00	0.00	0.00
16,246.0	90.00	179.45	10,645.0	-4,989.0	-164.9	4,990.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,247.0	90.00	179.45	10,645.0	-4,990.0	-164.9	4,991.7	0.00	0.00	0.00
16,248.0	90.00	179.45	10,645.0	-4,991.0	-164.9	4,992.7	0.00	0.00	0.00
16,249.0	90.00	179.45	10,645.0	-4,992.0	-164.9	4,993.7	0.00	0.00	0.00
16,250.0	90.00	179.45	10,645.0	-4,993.0	-164.9	4,994.7	0.00	0.00	0.00
16,251.0	90.00	179.45	10,645.0	-4,994.0	-164.9	4,995.7	0.00	0.00	0.00
16,252.0	90.00	179.45	10,645.0	-4,995.0	-164.8	4,996.7	0.00	0.00	0.00
16,253.0	90.00	179.45	10,645.0	-4,996.0	-164.8	4,997.7	0.00	0.00	0.00
16,254.0	90.00	179.45	10,645.0	-4,997.0	-164.8	4,998.7	0.00	0.00	0.00
16,255.0	90.00	179.45	10,645.0	-4,998.0	-164.8	4,999.7	0.00	0.00	0.00
16,256.0	90.00	179.45	10,645.0	-4,999.0	-164.8	5,000.7	0.00	0.00	0.00
16,257.0	90.00	179.45	10,645.0	-5,000.0	-164.8	5,001.7	0.00	0.00	0.00
16,258.0	90.00	179.45	10,645.0	-5,001.0	-164.8	5,002.7	0.00	0.00	0.00
16,259.0	90.00	179.45	10,645.0	-5,002.0	-164.8	5,003.7	0.00	0.00	0.00
16,260.0	90.00	179.45	10,645.0	-5,003.0	-164.8	5,004.7	0.00	0.00	0.00
16,261.0	90.00	179.45	10,645.0	-5,004.0	-164.8	5,005.7	0.00	0.00	0.00
16,262.0	90.00	179.45	10,645.0	-5,005.0	-164.7	5,006.7	0.00	0.00	0.00
16,263.0	90.00	179.45	10,645.0	-5,006.0	-164.7	5,007.7	0.00	0.00	0.00
16,264.0	90.00	179.45	10,645.0	-5,007.0	-164.7	5,008.7	0.00	0.00	0.00
16,265.0	90.00	179.45	10,645.0	-5,008.0	-164.7	5,009.7	0.00	0.00	0.00
16,266.0	90.00	179.45	10,645.0	-5,009.0	-164.7	5,010.7	0.00	0.00	0.00
16,267.0	90.00	179.45	10,645.0	-5,010.0	-164.7	5,011.7	0.00	0.00	0.00
16,268.0	90.00	179.45	10,645.0	-5,011.0	-164.7	5,012.7	0.00	0.00	0.00
16,269.0	90.00	179.45	10,645.0	-5,012.0	-164.7	5,013.7	0.00	0.00	0.00
16,270.0	90.00	179.45	10,645.0	-5,013.0	-164.7	5,014.7	0.00	0.00	0.00
16,271.0	90.00	179.45	10,645.0	-5,014.0	-164.7	5,015.7	0.00	0.00	0.00
16,272.0	90.00	179.45	10,645.0	-5,015.0	-164.6	5,016.7	0.00	0.00	0.00
16,273.0	90.00	179.45	10,645.0	-5,016.0	-164.6	5,017.7	0.00	0.00	0.00
16,274.0	90.00	179.45	10,645.0	-5,017.0	-164.6	5,018.7	0.00	0.00	0.00
16,275.0	90.00	179.45	10,645.0	-5,018.0	-164.6	5,019.7	0.00	0.00	0.00
16,276.0	90.00	179.45	10,645.0	-5,019.0	-164.6	5,020.7	0.00	0.00	0.00
16,277.0	90.00	179.45	10,645.0	-5,020.0	-164.6	5,021.7	0.00	0.00	0.00
16,278.0	90.00	179.45	10,645.0	-5,021.0	-164.6	5,022.7	0.00	0.00	0.00
16,279.0	90.00	179.45	10,645.0	-5,022.0	-164.6	5,023.7	0.00	0.00	0.00
16,280.0	90.00	179.45	10,645.0	-5,023.0	-164.6	5,024.7	0.00	0.00	0.00
16,281.0	90.00	179.45	10,645.0	-5,024.0	-164.6	5,025.7	0.00	0.00	0.00
16,282.0	90.00	179.45	10,645.0	-5,025.0	-164.6	5,026.7	0.00	0.00	0.00
16,283.0	90.00	179.45	10,645.0	-5,026.0	-164.5	5,027.7	0.00	0.00	0.00
16,284.0	90.00	179.45	10,645.0	-5,027.0	-164.5	5,028.7	0.00	0.00	0.00
16,285.0	90.00	179.45	10,645.0	-5,028.0	-164.5	5,029.7	0.00	0.00	0.00
16,286.0	90.00	179.45	10,645.0	-5,029.0	-164.5	5,030.7	0.00	0.00	0.00
16,287.0	90.00	179.45	10,645.0	-5,030.0	-164.5	5,031.7	0.00	0.00	0.00
16,288.0	90.00	179.45	10,645.0	-5,031.0	-164.5	5,032.7	0.00	0.00	0.00
16,289.0	90.00	179.45	10,645.0	-5,032.0	-164.5	5,033.7	0.00	0.00	0.00
16,290.0	90.00	179.45	10,645.0	-5,033.0	-164.5	5,034.7	0.00	0.00	0.00
16,291.0	90.00	179.45	10,645.0	-5,034.0	-164.5	5,035.7	0.00	0.00	0.00
16,292.0	90.00	179.45	10,645.0	-5,035.0	-164.5	5,036.7	0.00	0.00	0.00
16,293.0	90.00	179.45	10,645.0	-5,036.0	-164.4	5,037.7	0.00	0.00	0.00
16,294.0	90.00	179.45	10,645.0	-5,037.0	-164.4	5,038.7	0.00	0.00	0.00
16,295.0	90.00	179.45	10,645.0	-5,038.0	-164.4	5,039.7	0.00	0.00	0.00
16,296.0	90.00	179.45	10,645.0	-5,039.0	-164.4	5,040.7	0.00	0.00	0.00
16,297.0	90.00	179.45	10,645.0	-5,040.0	-164.4	5,041.7	0.00	0.00	0.00
16,298.0	90.00	179.45	10,645.0	-5,041.0	-164.4	5,042.7	0.00	0.00	0.00
16,299.0	90.00	179.45	10,645.0	-5,042.0	-164.4	5,043.7	0.00	0.00	0.00
16,300.0	90.00	179.45	10,645.0	-5,043.0	-164.4	5,044.7	0.05	0.00	0.05



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,301.0	90.00	179.45	10,645.0	-5,044.0	-164.4	5,045.7	0.00	0.00	0.00
16,302.0	90.00	179.45	10,645.0	-5,045.0	-164.4	5,046.7	0.00	0.00	0.00
16,303.0	90.00	179.45	10,645.0	-5,046.0	-164.3	5,047.7	0.00	0.00	0.00
16,304.0	90.00	179.45	10,645.0	-5,047.0	-164.3	5,048.7	0.00	0.00	0.00
16,305.0	90.00	179.45	10,645.0	-5,048.0	-164.3	5,049.7	0.00	0.00	0.00
16,306.0	90.00	179.45	10,645.0	-5,049.0	-164.3	5,050.7	0.00	0.00	0.00
16,307.0	90.00	179.45	10,645.0	-5,050.0	-164.3	5,051.7	0.00	0.00	0.00
16,308.0	90.00	179.45	10,645.0	-5,051.0	-164.3	5,052.7	0.00	0.00	0.00
16,309.0	90.00	179.45	10,645.0	-5,052.0	-164.3	5,053.6	0.00	0.00	0.00
16,310.0	90.00	179.45	10,645.0	-5,053.0	-164.3	5,054.6	0.00	0.00	0.00
16,311.0	90.00	179.45	10,645.0	-5,054.0	-164.3	5,055.6	0.00	0.00	0.00
16,312.0	90.00	179.45	10,645.0	-5,055.0	-164.3	5,056.6	0.00	0.00	0.00
16,313.0	90.00	179.45	10,645.0	-5,056.0	-164.3	5,057.6	0.00	0.00	0.00
16,314.0	90.00	179.45	10,645.0	-5,057.0	-164.2	5,058.6	0.00	0.00	0.00
16,315.0	90.00	179.45	10,645.0	-5,058.0	-164.2	5,059.6	0.00	0.00	0.00
16,316.0	90.00	179.45	10,645.0	-5,059.0	-164.2	5,060.6	0.00	0.00	0.00
16,317.0	90.00	179.45	10,645.0	-5,060.0	-164.2	5,061.6	0.00	0.00	0.00
16,318.0	90.00	179.45	10,645.0	-5,061.0	-164.2	5,062.6	0.00	0.00	0.00
16,319.0	90.00	179.45	10,645.0	-5,062.0	-164.2	5,063.6	0.00	0.00	0.00
16,320.0	90.00	179.45	10,645.0	-5,063.0	-164.2	5,064.6	0.00	0.00	0.00
16,321.0	90.00	179.45	10,645.0	-5,064.0	-164.2	5,065.6	0.00	0.00	0.00
16,322.0	90.00	179.45	10,645.0	-5,065.0	-164.2	5,066.6	0.00	0.00	0.00
16,323.0	90.00	179.45	10,645.0	-5,066.0	-164.2	5,067.6	0.00	0.00	0.00
16,324.0	90.00	179.45	10,645.0	-5,067.0	-164.1	5,068.6	0.00	0.00	0.00
16,325.0	90.00	179.45	10,645.0	-5,068.0	-164.1	5,069.6	0.00	0.00	0.00
16,326.0	90.00	179.45	10,645.0	-5,069.0	-164.1	5,070.6	0.00	0.00	0.00
16,327.0	90.00	179.45	10,645.0	-5,070.0	-164.1	5,071.6	0.00	0.00	0.00
16,328.0	90.00	179.45	10,645.0	-5,071.0	-164.1	5,072.6	0.00	0.00	0.00
16,329.0	90.00	179.45	10,645.0	-5,072.0	-164.1	5,073.6	0.00	0.00	0.00
16,330.0	90.00	179.45	10,645.0	-5,073.0	-164.1	5,074.6	0.00	0.00	0.00
16,331.0	90.00	179.45	10,645.0	-5,074.0	-164.1	5,075.6	0.00	0.00	0.00
16,332.0	90.00	179.45	10,645.0	-5,075.0	-164.1	5,076.6	0.00	0.00	0.00
16,333.0	90.00	179.45	10,645.0	-5,076.0	-164.1	5,077.6	0.00	0.00	0.00
16,334.0	90.00	179.45	10,645.0	-5,077.0	-164.0	5,078.6	0.00	0.00	0.00
16,335.0	90.00	179.45	10,645.0	-5,078.0	-164.0	5,079.6	0.00	0.00	0.00
16,336.0	90.00	179.45	10,645.0	-5,079.0	-164.0	5,080.6	0.00	0.00	0.00
16,337.0	90.00	179.45	10,645.0	-5,080.0	-164.0	5,081.6	0.00	0.00	0.00
16,338.0	90.00	179.45	10,645.0	-5,081.0	-164.0	5,082.6	0.00	0.00	0.00
16,339.0	90.00	179.45	10,645.0	-5,082.0	-164.0	5,083.6	0.00	0.00	0.00
16,340.0	90.00	179.45	10,645.0	-5,083.0	-164.0	5,084.6	0.00	0.00	0.00
16,341.0	90.00	179.45	10,645.0	-5,084.0	-164.0	5,085.6	0.00	0.00	0.00
16,342.0	90.00	179.45	10,645.0	-5,085.0	-164.0	5,086.6	0.00	0.00	0.00
16,343.0	90.00	179.45	10,645.0	-5,086.0	-164.0	5,087.6	0.00	0.00	0.00
16,344.0	90.00	179.45	10,645.0	-5,087.0	-164.0	5,088.6	0.00	0.00	0.00
16,345.0	90.00	179.45	10,645.0	-5,088.0	-163.9	5,089.6	0.00	0.00	0.00
16,346.0	90.00	179.45	10,645.0	-5,089.0	-163.9	5,090.6	0.00	0.00	0.00
16,347.0	90.00	179.45	10,645.0	-5,090.0	-163.9	5,091.6	0.00	0.00	0.00
16,348.0	90.00	179.45	10,645.0	-5,091.0	-163.9	5,092.6	0.00	0.00	0.00
16,349.0	90.00	179.45	10,645.0	-5,092.0	-163.9	5,093.6	0.00	0.00	0.00
16,350.0	90.00	179.45	10,645.0	-5,093.0	-163.9	5,094.6	0.00	0.00	0.00
16,351.0	90.00	179.45	10,645.0	-5,094.0	-163.9	5,095.6	0.00	0.00	0.00
16,352.0	90.00	179.45	10,645.0	-5,095.0	-163.9	5,096.6	0.00	0.00	0.00
16,353.0	90.00	179.45	10,645.0	-5,096.0	-163.9	5,097.6	0.00	0.00	0.00
16,354.0	90.00	179.45	10,645.0	-5,097.0	-163.9	5,098.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,355.0	90.00	179.45	10,645.0	-5,098.0	-163.8	5,099.6	0.00	0.00	0.00
16,356.0	90.00	179.45	10,645.0	-5,099.0	-163.8	5,100.6	0.00	0.00	0.00
16,357.0	90.00	179.45	10,645.0	-5,100.0	-163.8	5,101.6	0.00	0.00	0.00
16,358.0	90.00	179.45	10,645.0	-5,101.0	-163.8	5,102.6	0.00	0.00	0.00
16,359.0	90.00	179.45	10,645.0	-5,102.0	-163.8	5,103.6	0.00	0.00	0.00
16,360.0	90.00	179.45	10,645.0	-5,103.0	-163.8	5,104.6	0.00	0.00	0.00
16,361.0	90.00	179.45	10,645.0	-5,104.0	-163.8	5,105.6	0.00	0.00	0.00
16,362.0	90.00	179.45	10,645.0	-5,105.0	-163.8	5,106.6	0.00	0.00	0.00
16,363.0	90.00	179.45	10,645.0	-5,106.0	-163.8	5,107.6	0.00	0.00	0.00
16,364.0	90.00	179.45	10,645.0	-5,107.0	-163.8	5,108.6	0.00	0.00	0.00
16,365.0	90.00	179.45	10,645.0	-5,108.0	-163.7	5,109.6	0.00	0.00	0.00
16,366.0	90.00	179.45	10,645.0	-5,109.0	-163.7	5,110.6	0.00	0.00	0.00
16,367.0	90.00	179.45	10,645.0	-5,110.0	-163.7	5,111.6	0.00	0.00	0.00
16,368.0	90.00	179.45	10,645.0	-5,111.0	-163.7	5,112.6	0.00	0.00	0.00
16,369.0	90.00	179.45	10,645.0	-5,112.0	-163.7	5,113.6	0.00	0.00	0.00
16,370.0	90.00	179.45	10,645.0	-5,113.0	-163.7	5,114.6	0.00	0.00	0.00
16,371.0	90.00	179.45	10,645.0	-5,114.0	-163.7	5,115.6	0.00	0.00	0.00
16,372.0	90.00	179.45	10,645.0	-5,115.0	-163.7	5,116.6	0.00	0.00	0.00
16,373.0	90.00	179.45	10,645.0	-5,116.0	-163.7	5,117.6	0.00	0.00	0.00
16,374.0	90.00	179.45	10,645.0	-5,117.0	-163.7	5,118.6	0.00	0.00	0.00
16,375.0	90.00	179.45	10,645.0	-5,118.0	-163.7	5,119.6	0.00	0.00	0.00
16,376.0	90.00	179.45	10,645.0	-5,119.0	-163.6	5,120.6	0.00	0.00	0.00
16,377.0	90.00	179.45	10,645.0	-5,120.0	-163.6	5,121.6	0.00	0.00	0.00
16,378.0	90.00	179.45	10,645.0	-5,121.0	-163.6	5,122.6	0.00	0.00	0.00
16,379.0	90.00	179.45	10,645.0	-5,122.0	-163.6	5,123.6	0.00	0.00	0.00
16,380.0	90.00	179.45	10,645.0	-5,123.0	-163.6	5,124.6	0.00	0.00	0.00
16,381.0	90.00	179.45	10,645.0	-5,124.0	-163.6	5,125.6	0.00	0.00	0.00
16,382.0	90.00	179.45	10,645.0	-5,125.0	-163.6	5,126.6	0.00	0.00	0.00
16,383.0	90.00	179.45	10,645.0	-5,126.0	-163.6	5,127.6	0.00	0.00	0.00
16,384.0	90.00	179.45	10,645.0	-5,127.0	-163.6	5,128.6	0.00	0.00	0.00
16,385.0	90.00	179.45	10,645.0	-5,128.0	-163.6	5,129.6	0.00	0.00	0.00
16,386.0	90.00	179.45	10,645.0	-5,129.0	-163.5	5,130.6	0.00	0.00	0.00
16,387.0	90.00	179.45	10,645.0	-5,130.0	-163.5	5,131.6	0.00	0.00	0.00
16,388.0	90.00	179.45	10,645.0	-5,131.0	-163.5	5,132.6	0.00	0.00	0.00
16,389.0	90.00	179.45	10,645.0	-5,132.0	-163.5	5,133.6	0.00	0.00	0.00
16,390.0	90.00	179.45	10,645.0	-5,133.0	-163.5	5,134.6	0.00	0.00	0.00
16,391.0	90.00	179.45	10,645.0	-5,134.0	-163.5	5,135.6	0.00	0.00	0.00
16,392.0	90.00	179.45	10,645.0	-5,135.0	-163.5	5,136.6	0.00	0.00	0.00
16,393.0	90.00	179.45	10,645.0	-5,136.0	-163.5	5,137.6	0.00	0.00	0.00
16,394.0	90.00	179.45	10,645.0	-5,137.0	-163.5	5,138.6	0.00	0.00	0.00
16,395.0	90.00	179.45	10,645.0	-5,138.0	-163.5	5,139.6	0.00	0.00	0.00
16,396.0	90.00	179.45	10,645.0	-5,139.0	-163.4	5,140.6	0.00	0.00	0.00
16,397.0	90.00	179.45	10,645.0	-5,140.0	-163.4	5,141.6	0.00	0.00	0.00
16,398.0	90.00	179.45	10,645.0	-5,141.0	-163.4	5,142.6	0.00	0.00	0.00
16,399.0	90.00	179.45	10,645.0	-5,142.0	-163.4	5,143.6	0.00	0.00	0.00
16,400.0	90.00	179.45	10,645.0	-5,143.0	-163.4	5,144.6	0.05	0.00	0.05
16,401.0	90.00	179.45	10,645.0	-5,144.0	-163.4	5,145.6	0.00	0.00	0.00
16,402.0	90.00	179.45	10,645.0	-5,145.0	-163.4	5,146.6	0.00	0.00	0.00
16,403.0	90.00	179.45	10,645.0	-5,146.0	-163.4	5,147.6	0.00	0.00	0.00
16,404.0	90.00	179.45	10,645.0	-5,147.0	-163.4	5,148.6	0.00	0.00	0.00
16,405.0	90.00	179.45	10,645.0	-5,148.0	-163.4	5,149.6	0.00	0.00	0.00
16,406.0	90.00	179.45	10,645.0	-5,149.0	-163.4	5,150.6	0.00	0.00	0.00
16,407.0	90.00	179.45	10,645.0	-5,150.0	-163.3	5,151.6	0.00	0.00	0.00
16,408.0	90.00	179.45	10,645.0	-5,151.0	-163.3	5,152.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,409.0	90.00	179.45	10,645.0	-5,152.0	-163.3	5,153.6	0.00	0.00	0.00
16,410.0	90.00	179.45	10,645.0	-5,153.0	-163.3	5,154.6	0.00	0.00	0.00
16,411.0	90.00	179.45	10,645.0	-5,154.0	-163.3	5,155.6	0.00	0.00	0.00
16,412.0	90.00	179.45	10,645.0	-5,155.0	-163.3	5,156.6	0.00	0.00	0.00
16,413.0	90.00	179.45	10,645.0	-5,156.0	-163.3	5,157.6	0.00	0.00	0.00
16,414.0	90.00	179.45	10,645.0	-5,157.0	-163.3	5,158.6	0.00	0.00	0.00
16,415.0	90.00	179.45	10,645.0	-5,158.0	-163.3	5,159.6	0.00	0.00	0.00
16,416.0	90.00	179.45	10,645.0	-5,159.0	-163.3	5,160.6	0.00	0.00	0.00
16,417.0	90.00	179.45	10,645.0	-5,160.0	-163.2	5,161.6	0.00	0.00	0.00
16,418.0	90.00	179.45	10,645.0	-5,161.0	-163.2	5,162.6	0.00	0.00	0.00
16,419.0	90.00	179.45	10,645.0	-5,162.0	-163.2	5,163.6	0.00	0.00	0.00
16,420.0	90.00	179.45	10,645.0	-5,163.0	-163.2	5,164.6	0.00	0.00	0.00
16,421.0	90.00	179.45	10,645.0	-5,164.0	-163.2	5,165.6	0.00	0.00	0.00
16,422.0	90.00	179.45	10,645.0	-5,165.0	-163.2	5,166.6	0.00	0.00	0.00
16,423.0	90.00	179.45	10,645.0	-5,166.0	-163.2	5,167.6	0.00	0.00	0.00
16,424.0	90.00	179.45	10,645.0	-5,167.0	-163.2	5,168.6	0.00	0.00	0.00
16,425.0	90.00	179.45	10,645.0	-5,168.0	-163.2	5,169.6	0.00	0.00	0.00
16,426.0	90.00	179.45	10,645.0	-5,169.0	-163.2	5,170.6	0.00	0.00	0.00
16,427.0	90.00	179.45	10,645.0	-5,170.0	-163.2	5,171.6	0.00	0.00	0.00
16,428.0	90.00	179.45	10,645.0	-5,171.0	-163.1	5,172.6	0.00	0.00	0.00
16,429.0	90.00	179.45	10,645.0	-5,172.0	-163.1	5,173.6	0.00	0.00	0.00
16,430.0	90.00	179.45	10,645.0	-5,173.0	-163.1	5,174.6	0.00	0.00	0.00
16,431.0	90.00	179.45	10,645.0	-5,174.0	-163.1	5,175.6	0.00	0.00	0.00
16,432.0	90.00	179.45	10,645.0	-5,175.0	-163.1	5,176.6	0.00	0.00	0.00
16,433.0	90.00	179.45	10,645.0	-5,176.0	-163.1	5,177.6	0.00	0.00	0.00
16,434.0	90.00	179.45	10,645.0	-5,177.0	-163.1	5,178.6	0.00	0.00	0.00
16,435.0	90.00	179.45	10,645.0	-5,178.0	-163.1	5,179.6	0.00	0.00	0.00
16,436.0	90.00	179.45	10,645.0	-5,179.0	-163.1	5,180.6	0.00	0.00	0.00
16,437.0	90.00	179.45	10,645.0	-5,180.0	-163.1	5,181.6	0.00	0.00	0.00
16,438.0	90.00	179.45	10,645.0	-5,181.0	-163.0	5,182.6	0.00	0.00	0.00
16,439.0	90.00	179.45	10,645.0	-5,182.0	-163.0	5,183.6	0.00	0.00	0.00
16,440.0	90.00	179.45	10,645.0	-5,183.0	-163.0	5,184.6	0.00	0.00	0.00
16,441.0	90.00	179.45	10,645.0	-5,184.0	-163.0	5,185.6	0.00	0.00	0.00
16,442.0	90.00	179.45	10,645.0	-5,185.0	-163.0	5,186.6	0.00	0.00	0.00
16,443.0	90.00	179.45	10,645.0	-5,186.0	-163.0	5,187.6	0.00	0.00	0.00
16,444.0	90.00	179.45	10,645.0	-5,187.0	-163.0	5,188.6	0.00	0.00	0.00
16,445.0	90.00	179.45	10,645.0	-5,188.0	-163.0	5,189.6	0.00	0.00	0.00
16,446.0	90.00	179.45	10,645.0	-5,189.0	-163.0	5,190.6	0.00	0.00	0.00
16,447.0	90.00	179.45	10,645.0	-5,190.0	-163.0	5,191.6	0.00	0.00	0.00
16,448.0	90.00	179.45	10,645.0	-5,191.0	-162.9	5,192.6	0.00	0.00	0.00
16,449.0	90.00	179.45	10,645.0	-5,192.0	-162.9	5,193.6	0.00	0.00	0.00
16,450.0	90.00	179.45	10,645.0	-5,193.0	-162.9	5,194.6	0.00	0.00	0.00
16,451.0	90.00	179.45	10,645.0	-5,194.0	-162.9	5,195.6	0.00	0.00	0.00
16,452.0	90.00	179.45	10,645.0	-5,195.0	-162.9	5,196.6	0.00	0.00	0.00
16,453.0	90.00	179.45	10,645.0	-5,196.0	-162.9	5,197.6	0.00	0.00	0.00
16,454.0	90.00	179.45	10,645.0	-5,197.0	-162.9	5,198.6	0.00	0.00	0.00
16,455.0	90.00	179.45	10,645.0	-5,198.0	-162.9	5,199.6	0.00	0.00	0.00
16,456.0	90.00	179.45	10,645.0	-5,199.0	-162.9	5,200.6	0.00	0.00	0.00
16,457.0	90.00	179.45	10,645.0	-5,200.0	-162.9	5,201.6	0.00	0.00	0.00
16,458.0	90.00	179.45	10,645.0	-5,201.0	-162.9	5,202.6	0.00	0.00	0.00
16,459.0	90.00	179.45	10,645.0	-5,202.0	-162.8	5,203.6	0.00	0.00	0.00
16,460.0	90.00	179.45	10,645.0	-5,203.0	-162.8	5,204.6	0.00	0.00	0.00
16,461.0	90.00	179.45	10,645.0	-5,204.0	-162.8	5,205.6	0.00	0.00	0.00
16,462.0	90.00	179.45	10,645.0	-5,205.0	-162.8	5,206.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,463.0	90.00	179.45	10,645.0	-5,206.0	-162.8	5,207.6	0.00	0.00	0.00
16,464.0	90.00	179.45	10,645.0	-5,207.0	-162.8	5,208.6	0.00	0.00	0.00
16,465.0	90.00	179.45	10,645.0	-5,208.0	-162.8	5,209.6	0.00	0.00	0.00
16,466.0	90.00	179.45	10,645.0	-5,209.0	-162.8	5,210.6	0.00	0.00	0.00
16,467.0	90.00	179.45	10,645.0	-5,210.0	-162.8	5,211.6	0.00	0.00	0.00
16,468.0	90.00	179.45	10,645.0	-5,211.0	-162.8	5,212.6	0.00	0.00	0.00
16,469.0	90.00	179.45	10,645.0	-5,212.0	-162.7	5,213.6	0.00	0.00	0.00
16,470.0	90.00	179.45	10,645.0	-5,213.0	-162.7	5,214.6	0.00	0.00	0.00
16,471.0	90.00	179.45	10,645.0	-5,214.0	-162.7	5,215.6	0.00	0.00	0.00
16,472.0	90.00	179.45	10,645.0	-5,215.0	-162.7	5,216.6	0.00	0.00	0.00
16,473.0	90.00	179.45	10,645.0	-5,216.0	-162.7	5,217.6	0.00	0.00	0.00
16,474.0	90.00	179.45	10,645.0	-5,217.0	-162.7	5,218.6	0.00	0.00	0.00
16,475.0	90.00	179.45	10,645.0	-5,218.0	-162.7	5,219.6	0.00	0.00	0.00
16,476.0	90.00	179.45	10,645.0	-5,219.0	-162.7	5,220.6	0.00	0.00	0.00
16,477.0	90.00	179.45	10,645.0	-5,220.0	-162.7	5,221.6	0.00	0.00	0.00
16,478.0	90.00	179.45	10,645.0	-5,221.0	-162.7	5,222.6	0.00	0.00	0.00
16,479.0	90.00	179.45	10,645.0	-5,222.0	-162.6	5,223.6	0.00	0.00	0.00
16,480.0	90.00	179.45	10,645.0	-5,223.0	-162.6	5,224.6	0.00	0.00	0.00
16,481.0	90.00	179.45	10,645.0	-5,224.0	-162.6	5,225.6	0.00	0.00	0.00
16,482.0	90.00	179.45	10,645.0	-5,225.0	-162.6	5,226.6	0.00	0.00	0.00
16,483.0	90.00	179.45	10,645.0	-5,226.0	-162.6	5,227.6	0.00	0.00	0.00
16,484.0	90.00	179.45	10,645.0	-5,227.0	-162.6	5,228.6	0.00	0.00	0.00
16,485.0	90.00	179.45	10,645.0	-5,228.0	-162.6	5,229.6	0.00	0.00	0.00
16,486.0	90.00	179.45	10,645.0	-5,229.0	-162.6	5,230.6	0.00	0.00	0.00
16,487.0	90.00	179.45	10,645.0	-5,230.0	-162.6	5,231.6	0.00	0.00	0.00
16,488.0	90.00	179.45	10,645.0	-5,231.0	-162.6	5,232.6	0.00	0.00	0.00
16,489.0	90.00	179.45	10,645.0	-5,232.0	-162.6	5,233.6	0.00	0.00	0.00
16,490.0	90.00	179.45	10,645.0	-5,233.0	-162.5	5,234.6	0.00	0.00	0.00
16,491.0	90.00	179.45	10,645.0	-5,234.0	-162.5	5,235.6	0.00	0.00	0.00
16,492.0	90.00	179.45	10,645.0	-5,235.0	-162.5	5,236.6	0.00	0.00	0.00
16,493.0	90.00	179.45	10,645.0	-5,236.0	-162.5	5,237.6	0.00	0.00	0.00
16,494.0	90.00	179.45	10,645.0	-5,237.0	-162.5	5,238.6	0.00	0.00	0.00
16,495.0	90.00	179.45	10,645.0	-5,238.0	-162.5	5,239.6	0.00	0.00	0.00
16,496.0	90.00	179.45	10,645.0	-5,239.0	-162.5	5,240.6	0.00	0.00	0.00
16,497.0	90.00	179.45	10,645.0	-5,240.0	-162.5	5,241.6	0.00	0.00	0.00
16,498.0	90.00	179.45	10,645.0	-5,241.0	-162.5	5,242.6	0.00	0.00	0.00
16,499.0	90.00	179.45	10,645.0	-5,242.0	-162.5	5,243.6	0.00	0.00	0.00
16,500.0	90.00	179.45	10,645.0	-5,243.0	-162.4	5,244.6	0.05	0.00	0.05
16,501.0	90.00	179.45	10,645.0	-5,244.0	-162.4	5,245.6	0.00	0.00	0.00
16,502.0	90.00	179.45	10,645.0	-5,245.0	-162.4	5,246.6	0.00	0.00	0.00
16,503.0	90.00	179.45	10,645.0	-5,246.0	-162.4	5,247.6	0.00	0.00	0.00
16,504.0	90.00	179.45	10,645.0	-5,247.0	-162.4	5,248.6	0.00	0.00	0.00
16,505.0	90.00	179.45	10,645.0	-5,248.0	-162.4	5,249.6	0.00	0.00	0.00
16,506.0	90.00	179.45	10,645.0	-5,249.0	-162.4	5,250.6	0.00	0.00	0.00
16,507.0	90.00	179.45	10,645.0	-5,250.0	-162.4	5,251.6	0.00	0.00	0.00
16,508.0	90.00	179.45	10,645.0	-5,251.0	-162.4	5,252.6	0.00	0.00	0.00
16,509.0	90.00	179.45	10,645.0	-5,252.0	-162.4	5,253.6	0.00	0.00	0.00
16,510.0	90.00	179.45	10,645.0	-5,253.0	-162.3	5,254.6	0.00	0.00	0.00
16,511.0	90.00	179.45	10,645.0	-5,254.0	-162.3	5,255.6	0.00	0.00	0.00
16,512.0	90.00	179.45	10,645.0	-5,255.0	-162.3	5,256.6	0.00	0.00	0.00
16,513.0	90.00	179.45	10,645.0	-5,256.0	-162.3	5,257.6	0.00	0.00	0.00
16,514.0	90.00	179.45	10,645.0	-5,257.0	-162.3	5,258.6	0.00	0.00	0.00
16,515.0	90.00	179.45	10,645.0	-5,258.0	-162.3	5,259.6	0.00	0.00	0.00
16,516.0	90.00	179.45	10,645.0	-5,259.0	-162.3	5,260.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,517.0	90.00	179.45	10,645.0	-5,260.0	-162.3	5,261.6	0.00	0.00	0.00	
16,518.0	90.00	179.45	10,645.0	-5,261.0	-162.3	5,262.6	0.00	0.00	0.00	
16,519.0	90.00	179.45	10,645.0	-5,262.0	-162.3	5,263.6	0.00	0.00	0.00	
16,520.0	90.00	179.45	10,645.0	-5,263.0	-162.3	5,264.6	0.00	0.00	0.00	
16,521.0	90.00	179.45	10,645.0	-5,264.0	-162.2	5,265.6	0.00	0.00	0.00	
16,522.0	90.00	179.45	10,645.0	-5,265.0	-162.2	5,266.6	0.00	0.00	0.00	
16,523.0	90.00	179.45	10,645.0	-5,266.0	-162.2	5,267.6	0.00	0.00	0.00	
16,524.0	90.00	179.45	10,645.0	-5,267.0	-162.2	5,268.6	0.00	0.00	0.00	
16,525.0	90.00	179.45	10,645.0	-5,268.0	-162.2	5,269.6	0.00	0.00	0.00	
16,526.0	90.00	179.45	10,645.0	-5,269.0	-162.2	5,270.6	0.00	0.00	0.00	
16,527.0	90.00	179.45	10,645.0	-5,270.0	-162.2	5,271.6	0.00	0.00	0.00	
16,528.0	90.00	179.45	10,645.0	-5,271.0	-162.2	5,272.6	0.00	0.00	0.00	
16,529.0	90.00	179.45	10,645.0	-5,272.0	-162.2	5,273.6	0.00	0.00	0.00	
16,530.0	90.00	179.45	10,645.0	-5,273.0	-162.2	5,274.6	0.00	0.00	0.00	
16,531.0	90.00	179.45	10,645.0	-5,274.0	-162.1	5,275.6	0.00	0.00	0.00	
16,532.0	90.00	179.45	10,645.0	-5,275.0	-162.1	5,276.6	0.00	0.00	0.00	
16,533.0	90.00	179.45	10,645.0	-5,276.0	-162.1	5,277.6	0.00	0.00	0.00	
16,534.0	90.00	179.45	10,645.0	-5,277.0	-162.1	5,278.6	0.00	0.00	0.00	
16,535.0	90.00	179.45	10,645.0	-5,278.0	-162.1	5,279.6	0.00	0.00	0.00	
16,536.0	90.00	179.45	10,645.0	-5,279.0	-162.1	5,280.6	0.00	0.00	0.00	
16,537.0	90.00	179.45	10,645.0	-5,280.0	-162.1	5,281.6	0.00	0.00	0.00	
16,538.0	90.00	179.45	10,645.0	-5,281.0	-162.1	5,282.6	0.00	0.00	0.00	
16,539.0	90.00	179.45	10,645.0	-5,282.0	-162.1	5,283.6	0.00	0.00	0.00	
16,540.0	90.00	179.45	10,645.0	-5,283.0	-162.1	5,284.6	0.00	0.00	0.00	
16,541.0	90.00	179.45	10,645.0	-5,284.0	-162.0	5,285.6	0.00	0.00	0.00	
16,542.0	90.00	179.45	10,645.0	-5,285.0	-162.0	5,286.6	0.00	0.00	0.00	
16,543.0	90.00	179.45	10,645.0	-5,286.0	-162.0	5,287.6	0.00	0.00	0.00	
16,544.0	90.00	179.45	10,645.0	-5,287.0	-162.0	5,288.6	0.00	0.00	0.00	
16,545.0	90.00	179.45	10,645.0	-5,288.0	-162.0	5,289.6	0.00	0.00	0.00	
16,546.0	90.00	179.45	10,645.0	-5,289.0	-162.0	5,290.6	0.00	0.00	0.00	
16,547.0	90.00	179.45	10,645.0	-5,290.0	-162.0	5,291.6	0.00	0.00	0.00	
16,548.0	90.00	179.45	10,645.0	-5,291.0	-162.0	5,292.6	0.00	0.00	0.00	
16,549.0	90.00	179.45	10,645.0	-5,292.0	-162.0	5,293.6	0.00	0.00	0.00	
16,550.0	90.00	179.45	10,645.0	-5,293.0	-162.0	5,294.6	0.00	0.00	0.00	
16,551.0	90.00	179.45	10,645.0	-5,294.0	-162.0	5,295.6	0.00	0.00	0.00	
16,552.0	90.00	179.45	10,645.0	-5,295.0	-161.9	5,296.6	0.00	0.00	0.00	
16,553.0	90.00	179.45	10,645.0	-5,296.0	-161.9	5,297.6	0.00	0.00	0.00	
16,554.0	90.00	179.45	10,645.0	-5,297.0	-161.9	5,298.6	0.00	0.00	0.00	
16,555.0	90.00	179.45	10,645.0	-5,298.0	-161.9	5,299.6	0.00	0.00	0.00	
16,556.0	90.00	179.45	10,645.0	-5,299.0	-161.9	5,300.6	0.00	0.00	0.00	
16,557.0	90.00	179.45	10,645.0	-5,300.0	-161.9	5,301.6	0.00	0.00	0.00	
16,558.0	90.00	179.45	10,645.0	-5,301.0	-161.9	5,302.6	0.00	0.00	0.00	
16,559.0	90.00	179.45	10,645.0	-5,302.0	-161.9	5,303.6	0.00	0.00	0.00	
16,560.0	90.00	179.45	10,645.0	-5,303.0	-161.9	5,304.6	0.00	0.00	0.00	
16,561.0	90.00	179.45	10,645.0	-5,304.0	-161.9	5,305.6	0.00	0.00	0.00	
16,562.0	90.00	179.45	10,645.0	-5,305.0	-161.8	5,306.6	0.00	0.00	0.00	
16,563.0	90.00	179.45	10,645.0	-5,306.0	-161.8	5,307.6	0.00	0.00	0.00	
16,564.0	90.00	179.45	10,645.0	-5,307.0	-161.8	5,308.6	0.00	0.00	0.00	
16,565.0	90.00	179.45	10,645.0	-5,308.0	-161.8	5,309.6	0.00	0.00	0.00	
16,566.0	90.00	179.45	10,645.0	-5,309.0	-161.8	5,310.6	0.00	0.00	0.00	
16,567.0	90.00	179.45	10,645.0	-5,310.0	-161.8	5,311.6	0.00	0.00	0.00	
16,568.0	90.00	179.45	10,645.0	-5,311.0	-161.8	5,312.6	0.00	0.00	0.00	
16,569.0	90.00	179.45	10,645.0	-5,312.0	-161.8	5,313.6	0.00	0.00	0.00	
16,570.0	90.00	179.45	10,645.0	-5,313.0	-161.8	5,314.6	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,571.0	90.00	179.45	10,645.0	-5,314.0	-161.8	5,315.6	0.00	0.00	0.00
16,572.0	90.00	179.45	10,645.0	-5,315.0	-161.8	5,316.6	0.00	0.00	0.00
16,573.0	90.00	179.45	10,645.0	-5,316.0	-161.7	5,317.6	0.00	0.00	0.00
16,574.0	90.00	179.45	10,645.0	-5,317.0	-161.7	5,318.6	0.00	0.00	0.00
16,575.0	90.00	179.45	10,645.0	-5,318.0	-161.7	5,319.6	0.00	0.00	0.00
16,576.0	90.00	179.45	10,645.0	-5,319.0	-161.7	5,320.6	0.00	0.00	0.00
16,577.0	90.00	179.45	10,645.0	-5,320.0	-161.7	5,321.6	0.00	0.00	0.00
16,578.0	90.00	179.45	10,645.0	-5,321.0	-161.7	5,322.6	0.00	0.00	0.00
16,579.0	90.00	179.45	10,645.0	-5,322.0	-161.7	5,323.6	0.00	0.00	0.00
16,580.0	90.00	179.45	10,645.0	-5,323.0	-161.7	5,324.6	0.00	0.00	0.00
16,581.0	90.00	179.45	10,645.0	-5,324.0	-161.7	5,325.6	0.00	0.00	0.00
16,582.0	90.00	179.45	10,645.0	-5,325.0	-161.7	5,326.6	0.00	0.00	0.00
16,583.0	90.00	179.45	10,645.0	-5,326.0	-161.6	5,327.6	0.00	0.00	0.00
16,584.0	90.00	179.45	10,645.0	-5,327.0	-161.6	5,328.6	0.00	0.00	0.00
16,585.0	90.00	179.45	10,645.0	-5,328.0	-161.6	5,329.6	0.00	0.00	0.00
16,586.0	90.00	179.45	10,645.0	-5,329.0	-161.6	5,330.6	0.00	0.00	0.00
16,587.0	90.00	179.45	10,645.0	-5,330.0	-161.6	5,331.6	0.00	0.00	0.00
16,588.0	90.00	179.45	10,645.0	-5,331.0	-161.6	5,332.6	0.00	0.00	0.00
16,589.0	90.00	179.45	10,645.0	-5,332.0	-161.6	5,333.6	0.00	0.00	0.00
16,590.0	90.00	179.45	10,645.0	-5,333.0	-161.6	5,334.6	0.00	0.00	0.00
16,591.0	90.00	179.45	10,645.0	-5,334.0	-161.6	5,335.6	0.00	0.00	0.00
16,592.0	90.00	179.45	10,645.0	-5,335.0	-161.6	5,336.6	0.00	0.00	0.00
16,593.0	90.00	179.45	10,645.0	-5,336.0	-161.5	5,337.6	0.00	0.00	0.00
16,594.0	90.00	179.45	10,645.0	-5,337.0	-161.5	5,338.6	0.00	0.00	0.00
16,595.0	90.00	179.45	10,645.0	-5,338.0	-161.5	5,339.6	0.00	0.00	0.00
16,596.0	90.00	179.45	10,645.0	-5,339.0	-161.5	5,340.6	0.00	0.00	0.00
16,597.0	90.00	179.45	10,645.0	-5,340.0	-161.5	5,341.6	0.00	0.00	0.00
16,598.0	90.00	179.45	10,645.0	-5,341.0	-161.5	5,342.6	0.00	0.00	0.00
16,599.0	90.00	179.45	10,645.0	-5,342.0	-161.5	5,343.6	0.00	0.00	0.00
16,600.0	90.00	179.45	10,645.0	-5,343.0	-161.5	5,344.6	0.05	0.00	0.05
16,601.0	90.00	179.45	10,645.0	-5,344.0	-161.5	5,345.6	0.00	0.00	0.00
16,602.0	90.00	179.45	10,645.0	-5,345.0	-161.5	5,346.6	0.00	0.00	0.00
16,603.0	90.00	179.45	10,645.0	-5,346.0	-161.5	5,347.6	0.00	0.00	0.00
16,604.0	90.00	179.45	10,645.0	-5,347.0	-161.4	5,348.6	0.00	0.00	0.00
16,605.0	90.00	179.45	10,645.0	-5,348.0	-161.4	5,349.6	0.00	0.00	0.00
16,606.0	90.00	179.45	10,645.0	-5,349.0	-161.4	5,350.6	0.00	0.00	0.00
16,607.0	90.00	179.45	10,645.0	-5,350.0	-161.4	5,351.6	0.00	0.00	0.00
16,608.0	90.00	179.45	10,645.0	-5,351.0	-161.4	5,352.6	0.00	0.00	0.00
16,609.0	90.00	179.45	10,645.0	-5,352.0	-161.4	5,353.6	0.00	0.00	0.00
16,610.0	90.00	179.45	10,645.0	-5,353.0	-161.4	5,354.6	0.00	0.00	0.00
16,611.0	90.00	179.45	10,645.0	-5,354.0	-161.4	5,355.6	0.00	0.00	0.00
16,612.0	90.00	179.45	10,645.0	-5,355.0	-161.4	5,356.6	0.00	0.00	0.00
16,613.0	90.00	179.45	10,645.0	-5,356.0	-161.4	5,357.6	0.00	0.00	0.00
16,614.0	90.00	179.45	10,645.0	-5,357.0	-161.3	5,358.6	0.00	0.00	0.00
16,615.0	90.00	179.45	10,645.0	-5,358.0	-161.3	5,359.6	0.00	0.00	0.00
16,616.0	90.00	179.45	10,645.0	-5,359.0	-161.3	5,360.6	0.00	0.00	0.00
16,617.0	90.00	179.45	10,645.0	-5,360.0	-161.3	5,361.6	0.00	0.00	0.00
16,618.0	90.00	179.45	10,645.0	-5,361.0	-161.3	5,362.6	0.00	0.00	0.00
16,619.0	90.00	179.45	10,645.0	-5,362.0	-161.3	5,363.6	0.00	0.00	0.00
16,620.0	90.00	179.45	10,645.0	-5,363.0	-161.3	5,364.6	0.00	0.00	0.00
16,621.0	90.00	179.45	10,645.0	-5,364.0	-161.3	5,365.6	0.00	0.00	0.00
16,622.0	90.00	179.45	10,645.0	-5,365.0	-161.3	5,366.6	0.00	0.00	0.00
16,623.0	90.00	179.45	10,645.0	-5,366.0	-161.3	5,367.6	0.00	0.00	0.00
16,624.0	90.00	179.45	10,645.0	-5,367.0	-161.2	5,368.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,625.0	90.00	179.45	10,645.0	-5,368.0	-161.2	5,369.6	0.00	0.00	0.00
16,626.0	90.00	179.45	10,645.0	-5,369.0	-161.2	5,370.6	0.00	0.00	0.00
16,627.0	90.00	179.45	10,645.0	-5,370.0	-161.2	5,371.6	0.00	0.00	0.00
16,628.0	90.00	179.45	10,645.0	-5,371.0	-161.2	5,372.6	0.00	0.00	0.00
16,629.0	90.00	179.45	10,645.0	-5,372.0	-161.2	5,373.6	0.00	0.00	0.00
16,630.0	90.00	179.45	10,645.0	-5,373.0	-161.2	5,374.6	0.00	0.00	0.00
16,631.0	90.00	179.45	10,645.0	-5,374.0	-161.2	5,375.6	0.00	0.00	0.00
16,632.0	90.00	179.45	10,645.0	-5,375.0	-161.2	5,376.6	0.00	0.00	0.00
16,633.0	90.00	179.45	10,645.0	-5,376.0	-161.2	5,377.6	0.00	0.00	0.00
16,634.0	90.00	179.45	10,645.0	-5,377.0	-161.2	5,378.6	0.00	0.00	0.00
16,635.0	90.00	179.45	10,645.0	-5,378.0	-161.1	5,379.6	0.00	0.00	0.00
16,636.0	90.00	179.45	10,645.0	-5,379.0	-161.1	5,380.6	0.00	0.00	0.00
16,637.0	90.00	179.45	10,645.0	-5,380.0	-161.1	5,381.6	0.00	0.00	0.00
16,638.0	90.00	179.45	10,645.0	-5,381.0	-161.1	5,382.6	0.00	0.00	0.00
16,639.0	90.00	179.45	10,645.0	-5,382.0	-161.1	5,383.6	0.00	0.00	0.00
16,640.0	90.00	179.45	10,645.0	-5,383.0	-161.1	5,384.6	0.00	0.00	0.00
16,641.0	90.00	179.45	10,645.0	-5,384.0	-161.1	5,385.6	0.00	0.00	0.00
16,642.0	90.00	179.45	10,645.0	-5,385.0	-161.1	5,386.6	0.00	0.00	0.00
16,643.0	90.00	179.45	10,645.0	-5,386.0	-161.1	5,387.6	0.00	0.00	0.00
16,644.0	90.00	179.45	10,645.0	-5,387.0	-161.1	5,388.6	0.00	0.00	0.00
16,645.0	90.00	179.45	10,645.0	-5,388.0	-161.0	5,389.6	0.00	0.00	0.00
16,646.0	90.00	179.45	10,645.0	-5,389.0	-161.0	5,390.6	0.00	0.00	0.00
16,647.0	90.00	179.45	10,645.0	-5,390.0	-161.0	5,391.6	0.00	0.00	0.00
16,648.0	90.00	179.45	10,645.0	-5,391.0	-161.0	5,392.6	0.00	0.00	0.00
16,649.0	90.00	179.45	10,645.0	-5,392.0	-161.0	5,393.6	0.00	0.00	0.00
16,650.0	90.00	179.45	10,645.0	-5,393.0	-161.0	5,394.6	0.00	0.00	0.00
16,651.0	90.00	179.45	10,645.0	-5,394.0	-161.0	5,395.6	0.00	0.00	0.00
16,652.0	90.00	179.45	10,645.0	-5,395.0	-161.0	5,396.6	0.00	0.00	0.00
16,653.0	90.00	179.45	10,645.0	-5,396.0	-161.0	5,397.6	0.00	0.00	0.00
16,654.0	90.00	179.45	10,645.0	-5,397.0	-161.0	5,398.6	0.00	0.00	0.00
16,655.0	90.00	179.45	10,645.0	-5,398.0	-161.0	5,399.6	0.00	0.00	0.00
16,656.0	90.00	179.45	10,645.0	-5,399.0	-160.9	5,400.6	0.00	0.00	0.00
16,657.0	90.00	179.45	10,645.0	-5,400.0	-160.9	5,401.6	0.00	0.00	0.00
16,658.0	90.00	179.45	10,645.0	-5,401.0	-160.9	5,402.6	0.00	0.00	0.00
16,659.0	90.00	179.45	10,645.0	-5,402.0	-160.9	5,403.6	0.00	0.00	0.00
16,660.0	90.00	179.45	10,645.0	-5,403.0	-160.9	5,404.6	0.00	0.00	0.00
16,661.0	90.00	179.45	10,645.0	-5,404.0	-160.9	5,405.6	0.00	0.00	0.00
16,662.0	90.00	179.45	10,645.0	-5,405.0	-160.9	5,406.6	0.00	0.00	0.00
16,663.0	90.00	179.45	10,645.0	-5,406.0	-160.9	5,407.6	0.00	0.00	0.00
16,664.0	90.00	179.45	10,645.0	-5,407.0	-160.9	5,408.6	0.00	0.00	0.00
16,665.0	90.00	179.45	10,645.0	-5,408.0	-160.9	5,409.6	0.00	0.00	0.00
16,666.0	90.00	179.45	10,645.0	-5,409.0	-160.8	5,410.6	0.00	0.00	0.00
16,667.0	90.00	179.45	10,645.0	-5,410.0	-160.8	5,411.6	0.00	0.00	0.00
16,668.0	90.00	179.45	10,645.0	-5,411.0	-160.8	5,412.6	0.00	0.00	0.00
16,669.0	90.00	179.45	10,645.0	-5,412.0	-160.8	5,413.6	0.00	0.00	0.00
16,670.0	90.00	179.45	10,645.0	-5,413.0	-160.8	5,414.6	0.00	0.00	0.00
16,671.0	90.00	179.45	10,645.0	-5,414.0	-160.8	5,415.6	0.00	0.00	0.00
16,672.0	90.00	179.45	10,645.0	-5,415.0	-160.8	5,416.6	0.00	0.00	0.00
16,673.0	90.00	179.45	10,645.0	-5,416.0	-160.8	5,417.6	0.00	0.00	0.00
16,674.0	90.00	179.45	10,645.0	-5,417.0	-160.8	5,418.6	0.00	0.00	0.00
16,675.0	90.00	179.45	10,645.0	-5,418.0	-160.8	5,419.6	0.00	0.00	0.00
16,676.0	90.00	179.45	10,645.0	-5,419.0	-160.7	5,420.6	0.00	0.00	0.00
16,677.0	90.00	179.45	10,645.0	-5,420.0	-160.7	5,421.6	0.00	0.00	0.00
16,678.0	90.00	179.45	10,645.0	-5,421.0	-160.7	5,422.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,679.0	90.00	179.45	10,645.0	-5,422.0	-160.7	5,423.6	0.00	0.00	0.00
16,680.0	90.00	179.45	10,645.0	-5,423.0	-160.7	5,424.6	0.00	0.00	0.00
16,681.0	90.00	179.45	10,645.0	-5,424.0	-160.7	5,425.6	0.00	0.00	0.00
16,682.0	90.00	179.45	10,645.0	-5,425.0	-160.7	5,426.6	0.00	0.00	0.00
16,683.0	90.00	179.45	10,645.0	-5,426.0	-160.7	5,427.6	0.00	0.00	0.00
16,684.0	90.00	179.45	10,645.0	-5,427.0	-160.7	5,428.6	0.00	0.00	0.00
16,685.0	90.00	179.45	10,645.0	-5,428.0	-160.7	5,429.6	0.00	0.00	0.00
16,686.0	90.00	179.45	10,645.0	-5,429.0	-160.7	5,430.6	0.00	0.00	0.00
16,687.0	90.00	179.45	10,645.0	-5,430.0	-160.6	5,431.6	0.00	0.00	0.00
16,688.0	90.00	179.45	10,645.0	-5,431.0	-160.6	5,432.6	0.00	0.00	0.00
16,689.0	90.00	179.45	10,645.0	-5,432.0	-160.6	5,433.6	0.00	0.00	0.00
16,690.0	90.00	179.45	10,645.0	-5,433.0	-160.6	5,434.6	0.00	0.00	0.00
16,691.0	90.00	179.45	10,645.0	-5,434.0	-160.6	5,435.6	0.00	0.00	0.00
16,692.0	90.00	179.45	10,645.0	-5,435.0	-160.6	5,436.6	0.00	0.00	0.00
16,693.0	90.00	179.45	10,645.0	-5,436.0	-160.6	5,437.6	0.00	0.00	0.00
16,694.0	90.00	179.45	10,645.0	-5,437.0	-160.6	5,438.6	0.00	0.00	0.00
16,695.0	90.00	179.45	10,645.0	-5,438.0	-160.6	5,439.6	0.00	0.00	0.00
16,696.0	90.00	179.45	10,645.0	-5,439.0	-160.6	5,440.6	0.00	0.00	0.00
16,697.0	90.00	179.45	10,645.0	-5,440.0	-160.5	5,441.6	0.00	0.00	0.00
16,698.0	90.00	179.45	10,645.0	-5,441.0	-160.5	5,442.6	0.00	0.00	0.00
16,699.0	90.00	179.45	10,645.0	-5,442.0	-160.5	5,443.6	0.00	0.00	0.00
16,700.0	90.00	179.45	10,645.0	-5,443.0	-160.5	5,444.6	0.05	0.00	0.05
16,701.0	90.00	179.45	10,645.0	-5,444.0	-160.5	5,445.6	0.00	0.00	0.00
16,702.0	90.00	179.45	10,645.0	-5,445.0	-160.5	5,446.6	0.00	0.00	0.00
16,703.0	90.00	179.45	10,645.0	-5,446.0	-160.5	5,447.6	0.00	0.00	0.00
16,704.0	90.00	179.45	10,645.0	-5,447.0	-160.5	5,448.6	0.00	0.00	0.00
16,705.0	90.00	179.45	10,645.0	-5,448.0	-160.5	5,449.6	0.00	0.00	0.00
16,706.0	90.00	179.45	10,645.0	-5,449.0	-160.5	5,450.6	0.00	0.00	0.00
16,707.0	90.00	179.45	10,645.0	-5,450.0	-160.4	5,451.6	0.00	0.00	0.00
16,708.0	90.00	179.45	10,645.0	-5,451.0	-160.4	5,452.6	0.00	0.00	0.00
16,709.0	90.00	179.45	10,645.0	-5,452.0	-160.4	5,453.6	0.00	0.00	0.00
16,710.0	90.00	179.45	10,645.0	-5,453.0	-160.4	5,454.6	0.00	0.00	0.00
16,711.0	90.00	179.45	10,645.0	-5,454.0	-160.4	5,455.6	0.00	0.00	0.00
16,712.0	90.00	179.45	10,645.0	-5,455.0	-160.4	5,456.6	0.00	0.00	0.00
16,713.0	90.00	179.45	10,645.0	-5,456.0	-160.4	5,457.6	0.00	0.00	0.00
16,714.0	90.00	179.45	10,645.0	-5,457.0	-160.4	5,458.6	0.00	0.00	0.00
16,715.0	90.00	179.45	10,645.0	-5,458.0	-160.4	5,459.5	0.00	0.00	0.00
16,716.0	90.00	179.45	10,645.0	-5,459.0	-160.4	5,460.5	0.00	0.00	0.00
16,717.0	90.00	179.45	10,645.0	-5,460.0	-160.4	5,461.5	0.00	0.00	0.00
16,718.0	90.00	179.45	10,645.0	-5,461.0	-160.3	5,462.5	0.00	0.00	0.00
16,719.0	90.00	179.45	10,645.0	-5,462.0	-160.3	5,463.5	0.00	0.00	0.00
16,720.0	90.00	179.45	10,645.0	-5,463.0	-160.3	5,464.5	0.00	0.00	0.00
16,721.0	90.00	179.45	10,645.0	-5,464.0	-160.3	5,465.5	0.00	0.00	0.00
16,722.0	90.00	179.45	10,645.0	-5,465.0	-160.3	5,466.5	0.00	0.00	0.00
16,723.0	90.00	179.45	10,645.0	-5,466.0	-160.3	5,467.5	0.00	0.00	0.00
16,724.0	90.00	179.45	10,645.0	-5,467.0	-160.3	5,468.5	0.00	0.00	0.00
16,725.0	90.00	179.45	10,645.0	-5,468.0	-160.3	5,469.5	0.00	0.00	0.00
16,726.0	90.00	179.45	10,645.0	-5,469.0	-160.3	5,470.5	0.00	0.00	0.00
16,727.0	90.00	179.45	10,645.0	-5,470.0	-160.3	5,471.5	0.00	0.00	0.00
16,728.0	90.00	179.45	10,645.0	-5,471.0	-160.2	5,472.5	0.00	0.00	0.00
16,729.0	90.00	179.45	10,645.0	-5,472.0	-160.2	5,473.5	0.00	0.00	0.00
16,730.0	90.00	179.45	10,645.0	-5,473.0	-160.2	5,474.5	0.00	0.00	0.00
16,731.0	90.00	179.45	10,645.0	-5,474.0	-160.2	5,475.5	0.00	0.00	0.00
16,732.0	90.00	179.45	10,645.0	-5,475.0	-160.2	5,476.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,733.0	90.00	179.45	10,645.0	-5,476.0	-160.2	5,477.5	0.00	0.00	0.00
16,734.0	90.00	179.45	10,645.0	-5,477.0	-160.2	5,478.5	0.00	0.00	0.00
16,735.0	90.00	179.45	10,645.0	-5,478.0	-160.2	5,479.5	0.00	0.00	0.00
16,736.0	90.00	179.45	10,645.0	-5,479.0	-160.2	5,480.5	0.00	0.00	0.00
16,737.0	90.00	179.45	10,645.0	-5,480.0	-160.2	5,481.5	0.00	0.00	0.00
16,738.0	90.00	179.45	10,645.0	-5,481.0	-160.2	5,482.5	0.00	0.00	0.00
16,739.0	90.00	179.45	10,645.0	-5,482.0	-160.1	5,483.5	0.00	0.00	0.00
16,740.0	90.00	179.45	10,645.0	-5,483.0	-160.1	5,484.5	0.00	0.00	0.00
16,741.0	90.00	179.45	10,645.0	-5,484.0	-160.1	5,485.5	0.00	0.00	0.00
16,742.0	90.00	179.45	10,645.0	-5,485.0	-160.1	5,486.5	0.00	0.00	0.00
16,743.0	90.00	179.45	10,645.0	-5,486.0	-160.1	5,487.5	0.00	0.00	0.00
16,744.0	90.00	179.45	10,645.0	-5,487.0	-160.1	5,488.5	0.00	0.00	0.00
16,745.0	90.00	179.45	10,645.0	-5,488.0	-160.1	5,489.5	0.00	0.00	0.00
16,746.0	90.00	179.45	10,645.0	-5,489.0	-160.1	5,490.5	0.00	0.00	0.00
16,747.0	90.00	179.45	10,645.0	-5,490.0	-160.1	5,491.5	0.00	0.00	0.00
16,748.0	90.00	179.45	10,645.0	-5,491.0	-160.1	5,492.5	0.00	0.00	0.00
16,749.0	90.00	179.45	10,645.0	-5,492.0	-160.0	5,493.5	0.00	0.00	0.00
16,750.0	90.00	179.45	10,645.0	-5,493.0	-160.0	5,494.5	0.00	0.00	0.00
16,751.0	90.00	179.45	10,645.0	-5,494.0	-160.0	5,495.5	0.00	0.00	0.00
16,752.0	90.00	179.45	10,645.0	-5,495.0	-160.0	5,496.5	0.00	0.00	0.00
16,753.0	90.00	179.45	10,645.0	-5,496.0	-160.0	5,497.5	0.00	0.00	0.00
16,754.0	90.00	179.45	10,645.0	-5,497.0	-160.0	5,498.5	0.00	0.00	0.00
16,755.0	90.00	179.45	10,645.0	-5,498.0	-160.0	5,499.5	0.00	0.00	0.00
16,756.0	90.00	179.45	10,645.0	-5,499.0	-160.0	5,500.5	0.00	0.00	0.00
16,757.0	90.00	179.45	10,645.0	-5,500.0	-160.0	5,501.5	0.00	0.00	0.00
16,758.0	90.00	179.45	10,645.0	-5,501.0	-160.0	5,502.5	0.00	0.00	0.00
16,759.0	90.00	179.45	10,645.0	-5,502.0	-159.9	5,503.5	0.00	0.00	0.00
16,760.0	90.00	179.45	10,645.0	-5,503.0	-159.9	5,504.5	0.00	0.00	0.00
16,761.0	90.00	179.45	10,645.0	-5,504.0	-159.9	5,505.5	0.00	0.00	0.00
16,762.0	90.00	179.45	10,645.0	-5,505.0	-159.9	5,506.5	0.00	0.00	0.00
16,763.0	90.00	179.45	10,645.0	-5,506.0	-159.9	5,507.5	0.00	0.00	0.00
16,764.0	90.00	179.45	10,645.0	-5,507.0	-159.9	5,508.5	0.00	0.00	0.00
16,765.0	90.00	179.45	10,645.0	-5,508.0	-159.9	5,509.5	0.00	0.00	0.00
16,766.0	90.00	179.45	10,645.0	-5,509.0	-159.9	5,510.5	0.00	0.00	0.00
16,767.0	90.00	179.45	10,645.0	-5,510.0	-159.9	5,511.5	0.00	0.00	0.00
16,768.0	90.00	179.45	10,645.0	-5,511.0	-159.9	5,512.5	0.00	0.00	0.00
16,769.0	90.00	179.45	10,645.0	-5,512.0	-159.9	5,513.5	0.00	0.00	0.00
16,770.0	90.00	179.45	10,645.0	-5,513.0	-159.8	5,514.5	0.00	0.00	0.00
16,771.0	90.00	179.45	10,645.0	-5,514.0	-159.8	5,515.5	0.00	0.00	0.00
16,772.0	90.00	179.45	10,645.0	-5,515.0	-159.8	5,516.5	0.00	0.00	0.00
16,773.0	90.00	179.45	10,645.0	-5,516.0	-159.8	5,517.5	0.00	0.00	0.00
16,774.0	90.00	179.45	10,645.0	-5,517.0	-159.8	5,518.5	0.00	0.00	0.00
16,775.0	90.00	179.45	10,645.0	-5,518.0	-159.8	5,519.5	0.00	0.00	0.00
16,776.0	90.00	179.45	10,645.0	-5,519.0	-159.8	5,520.5	0.00	0.00	0.00
16,777.0	90.00	179.45	10,645.0	-5,520.0	-159.8	5,521.5	0.00	0.00	0.00
16,778.0	90.00	179.45	10,645.0	-5,521.0	-159.8	5,522.5	0.00	0.00	0.00
16,779.0	90.00	179.45	10,645.0	-5,522.0	-159.8	5,523.5	0.00	0.00	0.00
16,780.0	90.00	179.45	10,645.0	-5,523.0	-159.7	5,524.5	0.00	0.00	0.00
16,781.0	90.00	179.45	10,645.0	-5,524.0	-159.7	5,525.5	0.00	0.00	0.00
16,782.0	90.00	179.45	10,645.0	-5,525.0	-159.7	5,526.5	0.00	0.00	0.00
16,783.0	90.00	179.45	10,645.0	-5,526.0	-159.7	5,527.5	0.00	0.00	0.00
16,784.0	90.00	179.45	10,645.0	-5,527.0	-159.7	5,528.5	0.00	0.00	0.00
16,785.0	90.00	179.45	10,645.0	-5,528.0	-159.7	5,529.5	0.00	0.00	0.00
16,786.0	90.00	179.45	10,645.0	-5,529.0	-159.7	5,530.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,787.0	90.00	179.45	10,645.0	-5,530.0	-159.7	5,531.5	0.00	0.00	0.00
16,788.0	90.00	179.45	10,645.0	-5,531.0	-159.7	5,532.5	0.00	0.00	0.00
16,789.0	90.00	179.45	10,645.0	-5,532.0	-159.7	5,533.5	0.00	0.00	0.00
16,790.0	90.00	179.45	10,645.0	-5,533.0	-159.7	5,534.5	0.00	0.00	0.00
16,791.0	90.00	179.45	10,645.0	-5,534.0	-159.6	5,535.5	0.00	0.00	0.00
16,792.0	90.00	179.45	10,645.0	-5,535.0	-159.6	5,536.5	0.00	0.00	0.00
16,793.0	90.00	179.45	10,645.0	-5,536.0	-159.6	5,537.5	0.00	0.00	0.00
16,794.0	90.00	179.45	10,645.0	-5,537.0	-159.6	5,538.5	0.00	0.00	0.00
16,795.0	90.00	179.45	10,645.0	-5,538.0	-159.6	5,539.5	0.00	0.00	0.00
16,796.0	90.00	179.45	10,645.0	-5,539.0	-159.6	5,540.5	0.00	0.00	0.00
16,797.0	90.00	179.45	10,645.0	-5,540.0	-159.6	5,541.5	0.00	0.00	0.00
16,798.0	90.00	179.45	10,645.0	-5,541.0	-159.6	5,542.5	0.00	0.00	0.00
16,799.0	90.00	179.45	10,645.0	-5,542.0	-159.6	5,543.5	0.00	0.00	0.00
16,800.0	90.00	179.45	10,645.0	-5,543.0	-159.6	5,544.5	0.05	0.00	0.05
16,801.0	90.00	179.45	10,645.0	-5,544.0	-159.5	5,545.5	0.00	0.00	0.00
16,802.0	90.00	179.45	10,645.0	-5,545.0	-159.5	5,546.5	0.00	0.00	0.00
16,803.0	90.00	179.45	10,645.0	-5,546.0	-159.5	5,547.5	0.00	0.00	0.00
16,804.0	90.00	179.45	10,645.0	-5,547.0	-159.5	5,548.5	0.00	0.00	0.00
16,805.0	90.00	179.45	10,645.0	-5,548.0	-159.5	5,549.5	0.00	0.00	0.00
16,806.0	90.00	179.45	10,645.0	-5,549.0	-159.5	5,550.5	0.00	0.00	0.00
16,807.0	90.00	179.45	10,645.0	-5,550.0	-159.5	5,551.5	0.00	0.00	0.00
16,808.0	90.00	179.45	10,645.0	-5,551.0	-159.5	5,552.5	0.00	0.00	0.00
16,809.0	90.00	179.45	10,645.0	-5,552.0	-159.5	5,553.5	0.00	0.00	0.00
16,810.0	90.00	179.45	10,645.0	-5,553.0	-159.5	5,554.5	0.00	0.00	0.00
16,811.0	90.00	179.45	10,645.0	-5,554.0	-159.4	5,555.5	0.00	0.00	0.00
16,812.0	90.00	179.45	10,645.0	-5,555.0	-159.4	5,556.5	0.00	0.00	0.00
16,813.0	90.00	179.45	10,645.0	-5,556.0	-159.4	5,557.5	0.00	0.00	0.00
16,814.0	90.00	179.45	10,645.0	-5,557.0	-159.4	5,558.5	0.00	0.00	0.00
16,815.0	90.00	179.45	10,645.0	-5,558.0	-159.4	5,559.5	0.00	0.00	0.00
16,816.0	90.00	179.45	10,645.0	-5,559.0	-159.4	5,560.5	0.00	0.00	0.00
16,817.0	90.00	179.45	10,645.0	-5,560.0	-159.4	5,561.5	0.00	0.00	0.00
16,818.0	90.00	179.45	10,645.0	-5,561.0	-159.4	5,562.5	0.00	0.00	0.00
16,819.0	90.00	179.45	10,645.0	-5,562.0	-159.4	5,563.5	0.00	0.00	0.00
16,820.0	90.00	179.45	10,645.0	-5,563.0	-159.4	5,564.5	0.00	0.00	0.00
16,821.0	90.00	179.45	10,645.0	-5,564.0	-159.4	5,565.5	0.00	0.00	0.00
16,822.0	90.00	179.45	10,645.0	-5,565.0	-159.3	5,566.5	0.00	0.00	0.00
16,823.0	90.00	179.45	10,645.0	-5,566.0	-159.3	5,567.5	0.00	0.00	0.00
16,824.0	90.00	179.45	10,645.0	-5,567.0	-159.3	5,568.5	0.00	0.00	0.00
16,825.0	90.00	179.45	10,645.0	-5,568.0	-159.3	5,569.5	0.00	0.00	0.00
16,826.0	90.00	179.45	10,645.0	-5,569.0	-159.3	5,570.5	0.00	0.00	0.00
16,827.0	90.00	179.45	10,645.0	-5,570.0	-159.3	5,571.5	0.00	0.00	0.00
16,828.0	90.00	179.45	10,645.0	-5,571.0	-159.3	5,572.5	0.00	0.00	0.00
16,829.0	90.00	179.45	10,645.0	-5,572.0	-159.3	5,573.5	0.00	0.00	0.00
16,830.0	90.00	179.45	10,645.0	-5,573.0	-159.3	5,574.5	0.00	0.00	0.00
16,831.0	90.00	179.45	10,645.0	-5,574.0	-159.3	5,575.5	0.00	0.00	0.00
16,832.0	90.00	179.45	10,645.0	-5,575.0	-159.2	5,576.5	0.00	0.00	0.00
16,833.0	90.00	179.45	10,645.0	-5,576.0	-159.2	5,577.5	0.00	0.00	0.00
16,834.0	90.00	179.45	10,645.0	-5,577.0	-159.2	5,578.5	0.00	0.00	0.00
16,835.0	90.00	179.45	10,645.0	-5,578.0	-159.2	5,579.5	0.00	0.00	0.00
16,836.0	90.00	179.45	10,645.0	-5,579.0	-159.2	5,580.5	0.00	0.00	0.00
16,837.0	90.00	179.45	10,645.0	-5,580.0	-159.2	5,581.5	0.00	0.00	0.00
16,838.0	90.00	179.45	10,645.0	-5,581.0	-159.2	5,582.5	0.00	0.00	0.00
16,839.0	90.00	179.45	10,645.0	-5,582.0	-159.2	5,583.5	0.00	0.00	0.00
16,840.0	90.00	179.45	10,645.0	-5,583.0	-159.2	5,584.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,841.0	90.00	179.45	10,645.0	-5,584.0	-159.2	5,585.5	0.00	0.00	0.00
16,842.0	90.00	179.45	10,645.0	-5,585.0	-159.2	5,586.5	0.00	0.00	0.00
16,843.0	90.00	179.45	10,645.0	-5,586.0	-159.1	5,587.5	0.00	0.00	0.00
16,844.0	90.00	179.45	10,645.0	-5,587.0	-159.1	5,588.5	0.00	0.00	0.00
16,845.0	90.00	179.45	10,645.0	-5,588.0	-159.1	5,589.5	0.00	0.00	0.00
16,846.0	90.00	179.45	10,645.0	-5,589.0	-159.1	5,590.5	0.00	0.00	0.00
16,847.0	90.00	179.45	10,645.0	-5,590.0	-159.1	5,591.5	0.00	0.00	0.00
16,848.0	90.00	179.45	10,645.0	-5,591.0	-159.1	5,592.5	0.00	0.00	0.00
16,849.0	90.00	179.45	10,645.0	-5,592.0	-159.1	5,593.5	0.00	0.00	0.00
16,850.0	90.00	179.45	10,645.0	-5,593.0	-159.1	5,594.5	0.00	0.00	0.00
16,851.0	90.00	179.45	10,645.0	-5,594.0	-159.1	5,595.5	0.00	0.00	0.00
16,852.0	90.00	179.45	10,645.0	-5,595.0	-159.1	5,596.5	0.00	0.00	0.00
16,853.0	90.00	179.45	10,645.0	-5,596.0	-159.0	5,597.5	0.00	0.00	0.00
16,854.0	90.00	179.45	10,645.0	-5,597.0	-159.0	5,598.5	0.00	0.00	0.00
16,855.0	90.00	179.45	10,645.0	-5,598.0	-159.0	5,599.5	0.00	0.00	0.00
16,856.0	90.00	179.45	10,645.0	-5,599.0	-159.0	5,600.5	0.00	0.00	0.00
16,857.0	90.00	179.45	10,645.0	-5,600.0	-159.0	5,601.5	0.00	0.00	0.00
16,858.0	90.00	179.45	10,645.0	-5,601.0	-159.0	5,602.5	0.00	0.00	0.00
16,859.0	90.00	179.45	10,645.0	-5,602.0	-159.0	5,603.5	0.00	0.00	0.00
16,860.0	90.00	179.45	10,645.0	-5,603.0	-159.0	5,604.5	0.00	0.00	0.00
16,861.0	90.00	179.45	10,645.0	-5,604.0	-159.0	5,605.5	0.00	0.00	0.00
16,862.0	90.00	179.45	10,645.0	-5,605.0	-159.0	5,606.5	0.00	0.00	0.00
16,863.0	90.00	179.45	10,645.0	-5,606.0	-158.9	5,607.5	0.00	0.00	0.00
16,864.0	90.00	179.45	10,645.0	-5,607.0	-158.9	5,608.5	0.00	0.00	0.00
16,865.0	90.00	179.45	10,645.0	-5,608.0	-158.9	5,609.5	0.00	0.00	0.00
16,866.0	90.00	179.45	10,645.0	-5,609.0	-158.9	5,610.5	0.00	0.00	0.00
16,867.0	90.00	179.45	10,645.0	-5,610.0	-158.9	5,611.5	0.00	0.00	0.00
16,868.0	90.00	179.45	10,645.0	-5,611.0	-158.9	5,612.5	0.00	0.00	0.00
16,869.0	90.00	179.45	10,645.0	-5,612.0	-158.9	5,613.5	0.00	0.00	0.00
16,870.0	90.00	179.45	10,645.0	-5,613.0	-158.9	5,614.5	0.00	0.00	0.00
16,871.0	90.00	179.45	10,645.0	-5,614.0	-158.9	5,615.5	0.00	0.00	0.00
16,872.0	90.00	179.45	10,645.0	-5,615.0	-158.9	5,616.5	0.00	0.00	0.00
16,873.0	90.00	179.45	10,645.0	-5,616.0	-158.9	5,617.5	0.00	0.00	0.00
16,874.0	90.00	179.45	10,645.0	-5,617.0	-158.8	5,618.5	0.00	0.00	0.00
16,875.0	90.00	179.45	10,645.0	-5,618.0	-158.8	5,619.5	0.00	0.00	0.00
16,876.0	90.00	179.45	10,645.0	-5,619.0	-158.8	5,620.5	0.00	0.00	0.00
16,877.0	90.00	179.45	10,645.0	-5,620.0	-158.8	5,621.5	0.00	0.00	0.00
16,878.0	90.00	179.45	10,645.0	-5,621.0	-158.8	5,622.5	0.00	0.00	0.00
16,879.0	90.00	179.45	10,645.0	-5,622.0	-158.8	5,623.5	0.00	0.00	0.00
16,880.0	90.00	179.45	10,645.0	-5,623.0	-158.8	5,624.5	0.00	0.00	0.00
16,881.0	90.00	179.45	10,645.0	-5,624.0	-158.8	5,625.5	0.00	0.00	0.00
16,882.0	90.00	179.45	10,645.0	-5,625.0	-158.8	5,626.5	0.00	0.00	0.00
16,883.0	90.00	179.45	10,645.0	-5,626.0	-158.8	5,627.5	0.00	0.00	0.00
16,884.0	90.00	179.45	10,645.0	-5,627.0	-158.7	5,628.5	0.00	0.00	0.00
16,885.0	90.00	179.45	10,645.0	-5,628.0	-158.7	5,629.5	0.00	0.00	0.00
16,886.0	90.00	179.45	10,645.0	-5,629.0	-158.7	5,630.5	0.00	0.00	0.00
16,887.0	90.00	179.45	10,645.0	-5,630.0	-158.7	5,631.5	0.00	0.00	0.00
16,888.0	90.00	179.45	10,645.0	-5,631.0	-158.7	5,632.5	0.00	0.00	0.00
16,889.0	90.00	179.45	10,645.0	-5,632.0	-158.7	5,633.5	0.00	0.00	0.00
16,890.0	90.00	179.45	10,645.0	-5,633.0	-158.7	5,634.5	0.00	0.00	0.00
16,891.0	90.00	179.45	10,645.0	-5,634.0	-158.7	5,635.5	0.00	0.00	0.00
16,892.0	90.00	179.45	10,645.0	-5,635.0	-158.7	5,636.5	0.00	0.00	0.00
16,893.0	90.00	179.45	10,645.0	-5,636.0	-158.7	5,637.5	0.00	0.00	0.00
16,894.0	90.00	179.45	10,645.0	-5,637.0	-158.6	5,638.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,895.0	90.00	179.45	10,645.0	-5,638.0	-158.6	5,639.5	0.00	0.00	0.00
16,896.0	90.00	179.45	10,645.0	-5,639.0	-158.6	5,640.5	0.00	0.00	0.00
16,897.0	90.00	179.45	10,645.0	-5,640.0	-158.6	5,641.5	0.00	0.00	0.00
16,898.0	90.00	179.45	10,645.0	-5,641.0	-158.6	5,642.5	0.00	0.00	0.00
16,899.0	90.00	179.45	10,645.0	-5,642.0	-158.6	5,643.5	0.00	0.00	0.00
16,900.0	90.00	179.45	10,645.0	-5,643.0	-158.6	5,644.5	0.05	0.00	0.05
16,901.0	90.00	179.45	10,645.0	-5,644.0	-158.6	5,645.5	0.00	0.00	0.00
16,902.0	90.00	179.45	10,645.0	-5,645.0	-158.6	5,646.5	0.00	0.00	0.00
16,903.0	90.00	179.45	10,645.0	-5,646.0	-158.6	5,647.5	0.00	0.00	0.00
16,904.0	90.00	179.45	10,645.0	-5,647.0	-158.6	5,648.5	0.00	0.00	0.00
16,905.0	90.00	179.45	10,645.0	-5,648.0	-158.5	5,649.5	0.00	0.00	0.00
16,906.0	90.00	179.45	10,645.0	-5,649.0	-158.5	5,650.5	0.00	0.00	0.00
16,907.0	90.00	179.45	10,645.0	-5,650.0	-158.5	5,651.5	0.00	0.00	0.00
16,908.0	90.00	179.45	10,645.0	-5,651.0	-158.5	5,652.5	0.00	0.00	0.00
16,909.0	90.00	179.45	10,645.0	-5,652.0	-158.5	5,653.5	0.00	0.00	0.00
16,910.0	90.00	179.45	10,645.0	-5,653.0	-158.5	5,654.5	0.00	0.00	0.00
16,911.0	90.00	179.45	10,645.0	-5,654.0	-158.5	5,655.5	0.00	0.00	0.00
16,912.0	90.00	179.45	10,645.0	-5,655.0	-158.5	5,656.5	0.00	0.00	0.00
16,913.0	90.00	179.45	10,645.0	-5,656.0	-158.5	5,657.5	0.00	0.00	0.00
16,914.0	90.00	179.45	10,645.0	-5,657.0	-158.5	5,658.5	0.00	0.00	0.00
16,915.0	90.00	179.45	10,645.0	-5,658.0	-158.4	5,659.5	0.00	0.00	0.00
16,916.0	90.00	179.45	10,645.0	-5,659.0	-158.4	5,660.5	0.00	0.00	0.00
16,917.0	90.00	179.45	10,645.0	-5,660.0	-158.4	5,661.5	0.00	0.00	0.00
16,918.0	90.00	179.45	10,645.0	-5,661.0	-158.4	5,662.5	0.00	0.00	0.00
16,919.0	90.00	179.45	10,645.0	-5,662.0	-158.4	5,663.5	0.00	0.00	0.00
16,920.0	90.00	179.45	10,645.0	-5,663.0	-158.4	5,664.5	0.00	0.00	0.00
16,921.0	90.00	179.45	10,645.0	-5,664.0	-158.4	5,665.5	0.00	0.00	0.00
16,922.0	90.00	179.45	10,645.0	-5,665.0	-158.4	5,666.5	0.00	0.00	0.00
16,923.0	90.00	179.45	10,645.0	-5,666.0	-158.4	5,667.5	0.00	0.00	0.00
16,924.0	90.00	179.45	10,645.0	-5,667.0	-158.4	5,668.5	0.00	0.00	0.00
16,925.0	90.00	179.45	10,645.0	-5,668.0	-158.4	5,669.5	0.00	0.00	0.00
16,926.0	90.00	179.45	10,645.0	-5,669.0	-158.3	5,670.5	0.00	0.00	0.00
16,927.0	90.00	179.45	10,645.0	-5,670.0	-158.3	5,671.5	0.00	0.00	0.00
16,928.0	90.00	179.45	10,645.0	-5,671.0	-158.3	5,672.5	0.00	0.00	0.00
16,929.0	90.00	179.45	10,645.0	-5,672.0	-158.3	5,673.5	0.00	0.00	0.00
16,930.0	90.00	179.45	10,645.0	-5,673.0	-158.3	5,674.5	0.00	0.00	0.00
16,931.0	90.00	179.45	10,645.0	-5,674.0	-158.3	5,675.5	0.00	0.00	0.00
16,932.0	90.00	179.45	10,645.0	-5,675.0	-158.3	5,676.5	0.00	0.00	0.00
16,933.0	90.00	179.45	10,645.0	-5,676.0	-158.3	5,677.5	0.00	0.00	0.00
16,934.0	90.00	179.45	10,645.0	-5,677.0	-158.3	5,678.5	0.00	0.00	0.00
16,935.0	90.00	179.45	10,645.0	-5,678.0	-158.3	5,679.5	0.00	0.00	0.00
16,936.0	90.00	179.45	10,645.0	-5,679.0	-158.2	5,680.5	0.00	0.00	0.00
16,937.0	90.00	179.45	10,645.0	-5,680.0	-158.2	5,681.5	0.00	0.00	0.00
16,938.0	90.00	179.45	10,645.0	-5,681.0	-158.2	5,682.5	0.00	0.00	0.00
16,939.0	90.00	179.45	10,645.0	-5,682.0	-158.2	5,683.5	0.00	0.00	0.00
16,940.0	90.00	179.45	10,645.0	-5,683.0	-158.2	5,684.5	0.00	0.00	0.00
16,941.0	90.00	179.45	10,645.0	-5,684.0	-158.2	5,685.5	0.00	0.00	0.00
16,942.0	90.00	179.45	10,645.0	-5,685.0	-158.2	5,686.5	0.00	0.00	0.00
16,943.0	90.00	179.45	10,645.0	-5,686.0	-158.2	5,687.5	0.00	0.00	0.00
16,944.0	90.00	179.45	10,645.0	-5,687.0	-158.2	5,688.5	0.00	0.00	0.00
16,945.0	90.00	179.45	10,645.0	-5,688.0	-158.2	5,689.5	0.00	0.00	0.00
16,946.0	90.00	179.45	10,645.0	-5,689.0	-158.2	5,690.5	0.00	0.00	0.00
16,947.0	90.00	179.45	10,645.0	-5,690.0	-158.1	5,691.5	0.00	0.00	0.00
16,948.0	90.00	179.45	10,645.0	-5,691.0	-158.1	5,692.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,949.0	90.00	179.45	10,645.0	-5,692.0	-158.1	5,693.5	0.00	0.00	0.00
16,950.0	90.00	179.45	10,645.0	-5,693.0	-158.1	5,694.5	0.00	0.00	0.00
16,951.0	90.00	179.45	10,645.0	-5,694.0	-158.1	5,695.5	0.00	0.00	0.00
16,952.0	90.00	179.45	10,645.0	-5,695.0	-158.1	5,696.5	0.00	0.00	0.00
16,953.0	90.00	179.45	10,645.0	-5,696.0	-158.1	5,697.5	0.00	0.00	0.00
16,954.0	90.00	179.45	10,645.0	-5,697.0	-158.1	5,698.5	0.00	0.00	0.00
16,955.0	90.00	179.45	10,645.0	-5,698.0	-158.1	5,699.5	0.00	0.00	0.00
16,956.0	90.00	179.45	10,645.0	-5,699.0	-158.1	5,700.5	0.00	0.00	0.00
16,957.0	90.00	179.45	10,645.0	-5,700.0	-158.0	5,701.5	0.00	0.00	0.00
16,958.0	90.00	179.45	10,645.0	-5,701.0	-158.0	5,702.5	0.00	0.00	0.00
16,959.0	90.00	179.45	10,645.0	-5,702.0	-158.0	5,703.5	0.00	0.00	0.00
16,960.0	90.00	179.45	10,645.0	-5,703.0	-158.0	5,704.5	0.00	0.00	0.00
16,961.0	90.00	179.45	10,645.0	-5,704.0	-158.0	5,705.5	0.00	0.00	0.00
16,962.0	90.00	179.45	10,645.0	-5,705.0	-158.0	5,706.5	0.00	0.00	0.00
16,963.0	90.00	179.45	10,645.0	-5,706.0	-158.0	5,707.5	0.00	0.00	0.00
16,964.0	90.00	179.45	10,645.0	-5,707.0	-158.0	5,708.5	0.00	0.00	0.00
16,965.0	90.00	179.45	10,645.0	-5,708.0	-158.0	5,709.5	0.00	0.00	0.00
16,966.0	90.00	179.45	10,645.0	-5,709.0	-158.0	5,710.5	0.00	0.00	0.00
16,967.0	90.00	179.45	10,645.0	-5,710.0	-157.9	5,711.5	0.00	0.00	0.00
16,968.0	90.00	179.45	10,645.0	-5,711.0	-157.9	5,712.5	0.00	0.00	0.00
16,969.0	90.00	179.45	10,645.0	-5,712.0	-157.9	5,713.5	0.00	0.00	0.00
16,970.0	90.00	179.45	10,645.0	-5,713.0	-157.9	5,714.5	0.00	0.00	0.00
16,971.0	90.00	179.45	10,645.0	-5,714.0	-157.9	5,715.5	0.00	0.00	0.00
16,972.0	90.00	179.45	10,645.0	-5,715.0	-157.9	5,716.5	0.00	0.00	0.00
16,973.0	90.00	179.45	10,645.0	-5,716.0	-157.9	5,717.5	0.00	0.00	0.00
16,974.0	90.00	179.45	10,645.0	-5,717.0	-157.9	5,718.5	0.00	0.00	0.00
16,975.0	90.00	179.45	10,645.0	-5,718.0	-157.9	5,719.5	0.00	0.00	0.00
16,976.0	90.00	179.45	10,645.0	-5,719.0	-157.9	5,720.5	0.00	0.00	0.00
16,977.0	90.00	179.45	10,645.0	-5,720.0	-157.9	5,721.5	0.00	0.00	0.00
16,978.0	90.00	179.45	10,645.0	-5,721.0	-157.8	5,722.5	0.00	0.00	0.00
16,979.0	90.00	179.45	10,645.0	-5,722.0	-157.8	5,723.5	0.00	0.00	0.00
16,980.0	90.00	179.45	10,645.0	-5,723.0	-157.8	5,724.5	0.00	0.00	0.00
16,981.0	90.00	179.45	10,645.0	-5,724.0	-157.8	5,725.5	0.00	0.00	0.00
16,982.0	90.00	179.45	10,645.0	-5,725.0	-157.8	5,726.5	0.00	0.00	0.00
16,983.0	90.00	179.45	10,645.0	-5,726.0	-157.8	5,727.5	0.00	0.00	0.00
16,984.0	90.00	179.45	10,645.0	-5,727.0	-157.8	5,728.5	0.00	0.00	0.00
16,985.0	90.00	179.45	10,645.0	-5,728.0	-157.8	5,729.5	0.00	0.00	0.00
16,986.0	90.00	179.45	10,645.0	-5,729.0	-157.8	5,730.5	0.00	0.00	0.00
16,987.0	90.00	179.45	10,645.0	-5,730.0	-157.8	5,731.5	0.00	0.00	0.00
16,988.0	90.00	179.45	10,645.0	-5,731.0	-157.7	5,732.5	0.00	0.00	0.00
16,989.0	90.00	179.45	10,645.0	-5,732.0	-157.7	5,733.5	0.00	0.00	0.00
16,990.0	90.00	179.45	10,645.0	-5,733.0	-157.7	5,734.5	0.00	0.00	0.00
16,991.0	90.00	179.45	10,645.0	-5,734.0	-157.7	5,735.5	0.00	0.00	0.00
16,992.0	90.00	179.45	10,645.0	-5,735.0	-157.7	5,736.5	0.00	0.00	0.00
16,993.0	90.00	179.45	10,645.0	-5,736.0	-157.7	5,737.5	0.00	0.00	0.00
16,994.0	90.00	179.45	10,645.0	-5,737.0	-157.7	5,738.5	0.00	0.00	0.00
16,995.0	90.00	179.45	10,645.0	-5,738.0	-157.7	5,739.5	0.00	0.00	0.00
16,996.0	90.00	179.45	10,645.0	-5,739.0	-157.7	5,740.5	0.00	0.00	0.00
16,997.0	90.00	179.45	10,645.0	-5,740.0	-157.7	5,741.5	0.00	0.00	0.00
16,998.0	90.00	179.45	10,645.0	-5,741.0	-157.7	5,742.5	0.00	0.00	0.00
16,999.0	90.00	179.45	10,645.0	-5,742.0	-157.6	5,743.5	0.00	0.00	0.00
17,000.0	90.00	179.45	10,645.0	-5,743.0	-157.6	5,744.5	0.05	0.00	0.05
17,001.0	90.00	179.45	10,645.0	-5,744.0	-157.6	5,745.5	0.00	0.00	0.00
17,002.0	90.00	179.45	10,645.0	-5,745.0	-157.6	5,746.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,003.0	90.00	179.45	10,645.0	-5,746.0	-157.6	5,747.5	0.00	0.00	0.00
17,004.0	90.00	179.45	10,645.0	-5,747.0	-157.6	5,748.5	0.00	0.00	0.00
17,005.0	90.00	179.45	10,645.0	-5,748.0	-157.6	5,749.5	0.00	0.00	0.00
17,006.0	90.00	179.45	10,645.0	-5,749.0	-157.6	5,750.5	0.00	0.00	0.00
17,007.0	90.00	179.45	10,645.0	-5,750.0	-157.6	5,751.5	0.00	0.00	0.00
17,008.0	90.00	179.45	10,645.0	-5,751.0	-157.6	5,752.5	0.00	0.00	0.00
17,009.0	90.00	179.45	10,645.0	-5,752.0	-157.5	5,753.5	0.00	0.00	0.00
17,010.0	90.00	179.45	10,645.0	-5,753.0	-157.5	5,754.5	0.00	0.00	0.00
17,011.0	90.00	179.45	10,645.0	-5,754.0	-157.5	5,755.5	0.00	0.00	0.00
17,012.0	90.00	179.45	10,645.0	-5,755.0	-157.5	5,756.5	0.00	0.00	0.00
17,013.0	90.00	179.45	10,645.0	-5,756.0	-157.5	5,757.5	0.00	0.00	0.00
17,014.0	90.00	179.45	10,645.0	-5,757.0	-157.5	5,758.5	0.00	0.00	0.00
17,015.0	90.00	179.45	10,645.0	-5,758.0	-157.5	5,759.5	0.00	0.00	0.00
17,016.0	90.00	179.45	10,645.0	-5,759.0	-157.5	5,760.5	0.00	0.00	0.00
17,017.0	90.00	179.45	10,645.0	-5,760.0	-157.5	5,761.5	0.00	0.00	0.00
17,018.0	90.00	179.45	10,645.0	-5,761.0	-157.5	5,762.5	0.00	0.00	0.00
17,019.0	90.00	179.45	10,645.0	-5,762.0	-157.4	5,763.5	0.00	0.00	0.00
17,020.0	90.00	179.45	10,645.0	-5,763.0	-157.4	5,764.5	0.00	0.00	0.00
17,021.0	90.00	179.45	10,645.0	-5,764.0	-157.4	5,765.5	0.00	0.00	0.00
17,022.0	90.00	179.45	10,645.0	-5,765.0	-157.4	5,766.5	0.00	0.00	0.00
17,023.0	90.00	179.45	10,645.0	-5,766.0	-157.4	5,767.5	0.00	0.00	0.00
17,024.0	90.00	179.45	10,645.0	-5,767.0	-157.4	5,768.5	0.00	0.00	0.00
17,025.0	90.00	179.45	10,645.0	-5,768.0	-157.4	5,769.5	0.00	0.00	0.00
17,026.0	90.00	179.45	10,645.0	-5,769.0	-157.4	5,770.5	0.00	0.00	0.00
17,027.0	90.00	179.45	10,645.0	-5,770.0	-157.4	5,771.5	0.00	0.00	0.00
17,028.0	90.00	179.45	10,645.0	-5,771.0	-157.4	5,772.5	0.00	0.00	0.00
17,029.0	90.00	179.45	10,645.0	-5,772.0	-157.4	5,773.5	0.00	0.00	0.00
17,030.0	90.00	179.45	10,645.0	-5,773.0	-157.3	5,774.5	0.00	0.00	0.00
17,031.0	90.00	179.45	10,645.0	-5,774.0	-157.3	5,775.5	0.00	0.00	0.00
17,032.0	90.00	179.45	10,645.0	-5,775.0	-157.3	5,776.5	0.00	0.00	0.00
17,033.0	90.00	179.45	10,645.0	-5,776.0	-157.3	5,777.5	0.00	0.00	0.00
17,034.0	90.00	179.45	10,645.0	-5,777.0	-157.3	5,778.5	0.00	0.00	0.00
17,035.0	90.00	179.45	10,645.0	-5,778.0	-157.3	5,779.5	0.00	0.00	0.00
17,036.0	90.00	179.45	10,645.0	-5,779.0	-157.3	5,780.5	0.00	0.00	0.00
17,037.0	90.00	179.45	10,645.0	-5,780.0	-157.3	5,781.5	0.00	0.00	0.00
17,038.0	90.00	179.45	10,645.0	-5,781.0	-157.3	5,782.5	0.00	0.00	0.00
17,039.0	90.00	179.45	10,645.0	-5,782.0	-157.3	5,783.5	0.00	0.00	0.00
17,040.0	90.00	179.45	10,645.0	-5,783.0	-157.2	5,784.5	0.00	0.00	0.00
17,041.0	90.00	179.45	10,645.0	-5,784.0	-157.2	5,785.5	0.00	0.00	0.00
17,042.0	90.00	179.45	10,645.0	-5,785.0	-157.2	5,786.5	0.00	0.00	0.00
17,043.0	90.00	179.45	10,645.0	-5,786.0	-157.2	5,787.5	0.00	0.00	0.00
17,044.0	90.00	179.45	10,645.0	-5,787.0	-157.2	5,788.5	0.00	0.00	0.00
17,045.0	90.00	179.45	10,645.0	-5,788.0	-157.2	5,789.5	0.00	0.00	0.00
17,046.0	90.00	179.45	10,645.0	-5,789.0	-157.2	5,790.5	0.00	0.00	0.00
17,047.0	90.00	179.45	10,645.0	-5,790.0	-157.2	5,791.5	0.00	0.00	0.00
17,048.0	90.00	179.45	10,645.0	-5,791.0	-157.2	5,792.5	0.00	0.00	0.00
17,049.0	90.00	179.45	10,645.0	-5,792.0	-157.2	5,793.5	0.00	0.00	0.00
17,050.0	90.00	179.45	10,645.0	-5,793.0	-157.2	5,794.5	0.00	0.00	0.00
17,051.0	90.00	179.45	10,645.0	-5,793.9	-157.1	5,795.5	0.00	0.00	0.00
17,052.0	90.00	179.45	10,645.0	-5,794.9	-157.1	5,796.5	0.00	0.00	0.00
17,053.0	90.00	179.45	10,645.0	-5,795.9	-157.1	5,797.5	0.00	0.00	0.00
17,054.0	90.00	179.45	10,645.0	-5,796.9	-157.1	5,798.5	0.00	0.00	0.00
17,055.0	90.00	179.45	10,645.0	-5,797.9	-157.1	5,799.5	0.00	0.00	0.00
17,056.0	90.00	179.45	10,645.0	-5,798.9	-157.1	5,800.5	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,057.0	90.00	179.45	10,645.0	-5,799.9	-157.1	5,801.5	0.00	0.00	0.00	
17,058.0	90.00	179.45	10,645.0	-5,800.9	-157.1	5,802.5	0.00	0.00	0.00	
17,059.0	90.00	179.45	10,645.0	-5,801.9	-157.1	5,803.5	0.00	0.00	0.00	
17,060.0	90.00	179.45	10,645.0	-5,802.9	-157.1	5,804.5	0.00	0.00	0.00	
17,061.0	90.00	179.45	10,645.0	-5,803.9	-157.0	5,805.5	0.00	0.00	0.00	
17,062.0	90.00	179.45	10,645.0	-5,804.9	-157.0	5,806.5	0.00	0.00	0.00	
17,063.0	90.00	179.45	10,645.0	-5,805.9	-157.0	5,807.5	0.00	0.00	0.00	
17,064.0	90.00	179.45	10,645.0	-5,806.9	-157.0	5,808.5	0.00	0.00	0.00	
17,065.0	90.00	179.45	10,645.0	-5,807.9	-157.0	5,809.5	0.00	0.00	0.00	
17,066.0	90.00	179.45	10,645.0	-5,808.9	-157.0	5,810.5	0.00	0.00	0.00	
17,067.0	90.00	179.45	10,645.0	-5,809.9	-157.0	5,811.5	0.00	0.00	0.00	
17,068.0	90.00	179.45	10,645.0	-5,810.9	-157.0	5,812.5	0.00	0.00	0.00	
17,069.0	90.00	179.45	10,645.0	-5,811.9	-157.0	5,813.5	0.00	0.00	0.00	
17,070.0	90.00	179.45	10,645.0	-5,812.9	-157.0	5,814.5	0.00	0.00	0.00	
17,071.0	90.00	179.45	10,645.0	-5,813.9	-156.9	5,815.5	0.00	0.00	0.00	
17,072.0	90.00	179.45	10,645.0	-5,814.9	-156.9	5,816.5	0.00	0.00	0.00	
17,073.0	90.00	179.45	10,645.0	-5,815.9	-156.9	5,817.5	0.00	0.00	0.00	
17,074.0	90.00	179.45	10,645.0	-5,816.9	-156.9	5,818.5	0.00	0.00	0.00	
17,075.0	90.00	179.45	10,645.0	-5,817.9	-156.9	5,819.5	0.00	0.00	0.00	
17,076.0	90.00	179.45	10,645.0	-5,818.9	-156.9	5,820.5	0.00	0.00	0.00	
17,077.0	90.00	179.45	10,645.0	-5,819.9	-156.9	5,821.5	0.00	0.00	0.00	
17,078.0	90.00	179.45	10,645.0	-5,820.9	-156.9	5,822.5	0.00	0.00	0.00	
17,079.0	90.00	179.45	10,645.0	-5,821.9	-156.9	5,823.5	0.00	0.00	0.00	
17,080.0	90.00	179.45	10,645.0	-5,822.9	-156.9	5,824.5	0.00	0.00	0.00	
17,081.0	90.00	179.45	10,645.0	-5,823.9	-156.9	5,825.5	0.00	0.00	0.00	
17,082.0	90.00	179.45	10,645.0	-5,824.9	-156.8	5,826.5	0.00	0.00	0.00	
17,083.0	90.00	179.45	10,645.0	-5,825.9	-156.8	5,827.5	0.00	0.00	0.00	
17,084.0	90.00	179.45	10,645.0	-5,826.9	-156.8	5,828.5	0.00	0.00	0.00	
17,085.0	90.00	179.45	10,645.0	-5,827.9	-156.8	5,829.5	0.00	0.00	0.00	
17,086.0	90.00	179.45	10,645.0	-5,828.9	-156.8	5,830.5	0.00	0.00	0.00	
17,087.0	90.00	179.45	10,645.0	-5,829.9	-156.8	5,831.5	0.00	0.00	0.00	
17,088.0	90.00	179.45	10,645.0	-5,830.9	-156.8	5,832.5	0.00	0.00	0.00	
17,089.0	90.00	179.45	10,645.0	-5,831.9	-156.8	5,833.5	0.00	0.00	0.00	
17,090.0	90.00	179.45	10,645.0	-5,832.9	-156.8	5,834.5	0.00	0.00	0.00	
17,091.0	90.00	179.45	10,645.0	-5,833.9	-156.8	5,835.5	0.00	0.00	0.00	
17,092.0	90.00	179.45	10,645.0	-5,834.9	-156.7	5,836.5	0.00	0.00	0.00	
17,093.0	90.00	179.45	10,645.0	-5,835.9	-156.7	5,837.5	0.00	0.00	0.00	
17,094.0	90.00	179.45	10,645.0	-5,836.9	-156.7	5,838.5	0.00	0.00	0.00	
17,095.0	90.00	179.45	10,645.0	-5,837.9	-156.7	5,839.5	0.00	0.00	0.00	
17,096.0	90.00	179.45	10,645.0	-5,838.9	-156.7	5,840.5	0.00	0.00	0.00	
17,097.0	90.00	179.45	10,645.0	-5,839.9	-156.7	5,841.5	0.00	0.00	0.00	
17,098.0	90.00	179.45	10,645.0	-5,840.9	-156.7	5,842.5	0.00	0.00	0.00	
17,099.0	90.00	179.45	10,645.0	-5,841.9	-156.7	5,843.5	0.00	0.00	0.00	
17,100.0	90.00	179.45	10,645.0	-5,842.9	-156.7	5,844.5	0.05	0.00	0.05	
17,101.0	90.00	179.45	10,645.0	-5,843.9	-156.7	5,845.5	0.00	0.00	0.00	
17,102.0	90.00	179.45	10,645.0	-5,844.9	-156.7	5,846.5	0.00	0.00	0.00	
17,103.0	90.00	179.45	10,645.0	-5,845.9	-156.6	5,847.5	0.00	0.00	0.00	
17,104.0	90.00	179.45	10,645.0	-5,846.9	-156.6	5,848.5	0.00	0.00	0.00	
17,105.0	90.00	179.45	10,645.0	-5,847.9	-156.6	5,849.5	0.00	0.00	0.00	
17,106.0	90.00	179.45	10,645.0	-5,848.9	-156.6	5,850.5	0.00	0.00	0.00	
17,107.0	90.00	179.45	10,645.0	-5,849.9	-156.6	5,851.5	0.00	0.00	0.00	
17,108.0	90.00	179.45	10,645.0	-5,850.9	-156.6	5,852.5	0.00	0.00	0.00	
17,109.0	90.00	179.45	10,645.0	-5,851.9	-156.6	5,853.5	0.00	0.00	0.00	
17,110.0	90.00	179.45	10,645.0	-5,852.9	-156.6	5,854.5	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,111.0	90.00	179.45	10,645.0	-5,853.9	-156.6	5,855.5	0.00	0.00	0.00
17,112.0	90.00	179.45	10,645.0	-5,854.9	-156.6	5,856.5	0.00	0.00	0.00
17,113.0	90.00	179.45	10,645.0	-5,855.9	-156.5	5,857.5	0.00	0.00	0.00
17,114.0	90.00	179.45	10,645.0	-5,856.9	-156.5	5,858.5	0.00	0.00	0.00
17,115.0	90.00	179.45	10,645.0	-5,857.9	-156.5	5,859.5	0.00	0.00	0.00
17,116.0	90.00	179.45	10,645.0	-5,858.9	-156.5	5,860.5	0.00	0.00	0.00
17,117.0	90.00	179.45	10,645.0	-5,859.9	-156.5	5,861.5	0.00	0.00	0.00
17,118.0	90.00	179.45	10,645.0	-5,860.9	-156.5	5,862.5	0.00	0.00	0.00
17,119.0	90.00	179.45	10,645.0	-5,861.9	-156.5	5,863.5	0.00	0.00	0.00
17,120.0	90.00	179.45	10,645.0	-5,862.9	-156.5	5,864.5	0.00	0.00	0.00
17,121.0	90.00	179.45	10,645.0	-5,863.9	-156.5	5,865.4	0.00	0.00	0.00
17,122.0	90.00	179.45	10,645.0	-5,864.9	-156.5	5,866.4	0.00	0.00	0.00
17,123.0	90.00	179.45	10,645.0	-5,865.9	-156.5	5,867.4	0.00	0.00	0.00
17,124.0	90.00	179.45	10,645.0	-5,866.9	-156.4	5,868.4	0.00	0.00	0.00
17,125.0	90.00	179.45	10,645.0	-5,867.9	-156.4	5,869.4	0.00	0.00	0.00
17,126.0	90.00	179.45	10,645.0	-5,868.9	-156.4	5,870.4	0.00	0.00	0.00
17,127.0	90.00	179.45	10,645.0	-5,869.9	-156.4	5,871.4	0.00	0.00	0.00
17,128.0	90.00	179.45	10,645.0	-5,870.9	-156.4	5,872.4	0.00	0.00	0.00
17,129.0	90.00	179.45	10,645.0	-5,871.9	-156.4	5,873.4	0.00	0.00	0.00
17,130.0	90.00	179.45	10,645.0	-5,872.9	-156.4	5,874.4	0.00	0.00	0.00
17,131.0	90.00	179.45	10,645.0	-5,873.9	-156.4	5,875.4	0.00	0.00	0.00
17,132.0	90.00	179.45	10,645.0	-5,874.9	-156.4	5,876.4	0.00	0.00	0.00
17,133.0	90.00	179.45	10,645.0	-5,875.9	-156.4	5,877.4	0.00	0.00	0.00
17,134.0	90.00	179.45	10,645.0	-5,876.9	-156.3	5,878.4	0.00	0.00	0.00
17,135.0	90.00	179.45	10,645.0	-5,877.9	-156.3	5,879.4	0.00	0.00	0.00
17,136.0	90.00	179.45	10,645.0	-5,878.9	-156.3	5,880.4	0.00	0.00	0.00
17,137.0	90.00	179.45	10,645.0	-5,879.9	-156.3	5,881.4	0.00	0.00	0.00
17,138.0	90.00	179.45	10,645.0	-5,880.9	-156.3	5,882.4	0.00	0.00	0.00
17,139.0	90.00	179.45	10,645.0	-5,881.9	-156.3	5,883.4	0.00	0.00	0.00
17,140.0	90.00	179.45	10,645.0	-5,882.9	-156.3	5,884.4	0.00	0.00	0.00
17,141.0	90.00	179.45	10,645.0	-5,883.9	-156.3	5,885.4	0.00	0.00	0.00
17,142.0	90.00	179.45	10,645.0	-5,884.9	-156.3	5,886.4	0.00	0.00	0.00
17,143.0	90.00	179.45	10,645.0	-5,885.9	-156.3	5,887.4	0.00	0.00	0.00
17,144.0	90.00	179.45	10,645.0	-5,886.9	-156.2	5,888.4	0.00	0.00	0.00
17,145.0	90.00	179.45	10,645.0	-5,887.9	-156.2	5,889.4	0.00	0.00	0.00
17,146.0	90.00	179.45	10,645.0	-5,888.9	-156.2	5,890.4	0.00	0.00	0.00
17,147.0	90.00	179.45	10,645.0	-5,889.9	-156.2	5,891.4	0.00	0.00	0.00
17,148.0	90.00	179.45	10,645.0	-5,890.9	-156.2	5,892.4	0.00	0.00	0.00
17,149.0	90.00	179.45	10,645.0	-5,891.9	-156.2	5,893.4	0.00	0.00	0.00
17,150.0	90.00	179.45	10,645.0	-5,892.9	-156.2	5,894.4	0.00	0.00	0.00
17,151.0	90.00	179.45	10,645.0	-5,893.9	-156.2	5,895.4	0.00	0.00	0.00
17,152.0	90.00	179.45	10,645.0	-5,894.9	-156.2	5,896.4	0.00	0.00	0.00
17,153.0	90.00	179.45	10,645.0	-5,895.9	-156.2	5,897.4	0.00	0.00	0.00
17,154.0	90.00	179.45	10,645.0	-5,896.9	-156.2	5,898.4	0.00	0.00	0.00
17,155.0	90.00	179.45	10,645.0	-5,897.9	-156.1	5,899.4	0.00	0.00	0.00
17,156.0	90.00	179.45	10,645.0	-5,898.9	-156.1	5,900.4	0.00	0.00	0.00
17,157.0	90.00	179.45	10,645.0	-5,899.9	-156.1	5,901.4	0.00	0.00	0.00
17,158.0	90.00	179.45	10,645.0	-5,900.9	-156.1	5,902.4	0.00	0.00	0.00
17,159.0	90.00	179.45	10,645.0	-5,901.9	-156.1	5,903.4	0.00	0.00	0.00
17,160.0	90.00	179.45	10,645.0	-5,902.9	-156.1	5,904.4	0.00	0.00	0.00
17,161.0	90.00	179.45	10,645.0	-5,903.9	-156.1	5,905.4	0.00	0.00	0.00
17,162.0	90.00	179.45	10,645.0	-5,904.9	-156.1	5,906.4	0.00	0.00	0.00
17,163.0	90.00	179.45	10,645.0	-5,905.9	-156.1	5,907.4	0.00	0.00	0.00
17,164.0	90.00	179.45	10,645.0	-5,906.9	-156.1	5,908.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,165.0	90.00	179.45	10,645.0	-5,907.9	-156.0	5,909.4	0.00	0.00	0.00
17,166.0	90.00	179.45	10,645.0	-5,908.9	-156.0	5,910.4	0.00	0.00	0.00
17,167.0	90.00	179.45	10,645.0	-5,909.9	-156.0	5,911.4	0.00	0.00	0.00
17,168.0	90.00	179.45	10,645.0	-5,910.9	-156.0	5,912.4	0.00	0.00	0.00
17,169.0	90.00	179.45	10,645.0	-5,911.9	-156.0	5,913.4	0.00	0.00	0.00
17,170.0	90.00	179.45	10,645.0	-5,912.9	-156.0	5,914.4	0.00	0.00	0.00
17,171.0	90.00	179.45	10,645.0	-5,913.9	-156.0	5,915.4	0.00	0.00	0.00
17,172.0	90.00	179.45	10,645.0	-5,914.9	-156.0	5,916.4	0.00	0.00	0.00
17,173.0	90.00	179.45	10,645.0	-5,915.9	-156.0	5,917.4	0.00	0.00	0.00
17,174.0	90.00	179.45	10,645.0	-5,916.9	-156.0	5,918.4	0.00	0.00	0.00
17,175.0	90.00	179.45	10,645.0	-5,917.9	-156.0	5,919.4	0.00	0.00	0.00
17,176.0	90.00	179.45	10,645.0	-5,918.9	-155.9	5,920.4	0.00	0.00	0.00
17,177.0	90.00	179.45	10,645.0	-5,919.9	-155.9	5,921.4	0.00	0.00	0.00
17,178.0	90.00	179.45	10,645.0	-5,920.9	-155.9	5,922.4	0.00	0.00	0.00
17,179.0	90.00	179.45	10,645.0	-5,921.9	-155.9	5,923.4	0.00	0.00	0.00
17,180.0	90.00	179.45	10,645.0	-5,922.9	-155.9	5,924.4	0.00	0.00	0.00
17,181.0	90.00	179.45	10,645.0	-5,923.9	-155.9	5,925.4	0.00	0.00	0.00
17,182.0	90.00	179.45	10,645.0	-5,924.9	-155.9	5,926.4	0.00	0.00	0.00
17,183.0	90.00	179.45	10,645.0	-5,925.9	-155.9	5,927.4	0.00	0.00	0.00
17,184.0	90.00	179.45	10,645.0	-5,926.9	-155.9	5,928.4	0.00	0.00	0.00
17,185.0	90.00	179.45	10,645.0	-5,927.9	-155.9	5,929.4	0.00	0.00	0.00
17,186.0	90.00	179.45	10,645.0	-5,928.9	-155.8	5,930.4	0.00	0.00	0.00
17,187.0	90.00	179.45	10,645.0	-5,929.9	-155.8	5,931.4	0.00	0.00	0.00
17,188.0	90.00	179.45	10,645.0	-5,930.9	-155.8	5,932.4	0.00	0.00	0.00
17,189.0	90.00	179.45	10,645.0	-5,931.9	-155.8	5,933.4	0.00	0.00	0.00
17,190.0	90.00	179.45	10,645.0	-5,932.9	-155.8	5,934.4	0.00	0.00	0.00
17,191.0	90.00	179.45	10,645.0	-5,933.9	-155.8	5,935.4	0.00	0.00	0.00
17,192.0	90.00	179.45	10,645.0	-5,934.9	-155.8	5,936.4	0.00	0.00	0.00
17,193.0	90.00	179.45	10,645.0	-5,935.9	-155.8	5,937.4	0.00	0.00	0.00
17,194.0	90.00	179.45	10,645.0	-5,936.9	-155.8	5,938.4	0.00	0.00	0.00
17,195.0	90.00	179.45	10,645.0	-5,937.9	-155.8	5,939.4	0.00	0.00	0.00
17,196.0	90.00	179.45	10,645.0	-5,938.9	-155.8	5,940.4	0.00	0.00	0.00
17,197.0	90.00	179.45	10,645.0	-5,939.9	-155.7	5,941.4	0.00	0.00	0.00
17,198.0	90.00	179.45	10,645.0	-5,940.9	-155.7	5,942.4	0.00	0.00	0.00
17,199.0	90.00	179.45	10,645.0	-5,941.9	-155.7	5,943.4	0.00	0.00	0.00
17,200.0	90.00	179.45	10,645.0	-5,942.9	-155.7	5,944.4	0.05	0.00	0.05
17,201.0	90.00	179.45	10,645.0	-5,943.9	-155.7	5,945.4	0.00	0.00	0.00
17,202.0	90.00	179.45	10,645.0	-5,944.9	-155.7	5,946.4	0.00	0.00	0.00
17,203.0	90.00	179.45	10,645.0	-5,945.9	-155.7	5,947.4	0.00	0.00	0.00
17,204.0	90.00	179.45	10,645.0	-5,946.9	-155.7	5,948.4	0.00	0.00	0.00
17,205.0	90.00	179.45	10,645.0	-5,947.9	-155.7	5,949.4	0.00	0.00	0.00
17,206.0	90.00	179.45	10,645.0	-5,948.9	-155.7	5,950.4	0.00	0.00	0.00
17,207.0	90.00	179.45	10,645.0	-5,949.9	-155.6	5,951.4	0.00	0.00	0.00
17,208.0	90.00	179.45	10,645.0	-5,950.9	-155.6	5,952.4	0.00	0.00	0.00
17,209.0	90.00	179.45	10,645.0	-5,951.9	-155.6	5,953.4	0.00	0.00	0.00
17,210.0	90.00	179.45	10,645.0	-5,952.9	-155.6	5,954.4	0.00	0.00	0.00
17,211.0	90.00	179.45	10,645.0	-5,953.9	-155.6	5,955.4	0.00	0.00	0.00
17,212.0	90.00	179.45	10,645.0	-5,954.9	-155.6	5,956.4	0.00	0.00	0.00
17,213.0	90.00	179.45	10,645.0	-5,955.9	-155.6	5,957.4	0.00	0.00	0.00
17,214.0	90.00	179.45	10,645.0	-5,956.9	-155.6	5,958.4	0.00	0.00	0.00
17,215.0	90.00	179.45	10,645.0	-5,957.9	-155.6	5,959.4	0.00	0.00	0.00
17,216.0	90.00	179.45	10,645.0	-5,958.9	-155.6	5,960.4	0.00	0.00	0.00
17,217.0	90.00	179.45	10,645.0	-5,959.9	-155.5	5,961.4	0.00	0.00	0.00
17,218.0	90.00	179.45	10,645.0	-5,960.9	-155.5	5,962.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,219.0	90.00	179.45	10,645.0	-5,961.9	-155.5	5,963.4	0.00	0.00	0.00
17,220.0	90.00	179.45	10,645.0	-5,962.9	-155.5	5,964.4	0.00	0.00	0.00
17,221.0	90.00	179.45	10,645.0	-5,963.9	-155.5	5,965.4	0.00	0.00	0.00
17,222.0	90.00	179.45	10,645.0	-5,964.9	-155.5	5,966.4	0.00	0.00	0.00
17,223.0	90.00	179.45	10,645.0	-5,965.9	-155.5	5,967.4	0.00	0.00	0.00
17,224.0	90.00	179.45	10,645.0	-5,966.9	-155.5	5,968.4	0.00	0.00	0.00
17,225.0	90.00	179.45	10,645.0	-5,967.9	-155.5	5,969.4	0.00	0.00	0.00
17,226.0	90.00	179.45	10,645.0	-5,968.9	-155.5	5,970.4	0.00	0.00	0.00
17,227.0	90.00	179.45	10,645.0	-5,969.9	-155.5	5,971.4	0.00	0.00	0.00
17,228.0	90.00	179.45	10,645.0	-5,970.9	-155.4	5,972.4	0.00	0.00	0.00
17,229.0	90.00	179.45	10,645.0	-5,971.9	-155.4	5,973.4	0.00	0.00	0.00
17,230.0	90.00	179.45	10,645.0	-5,972.9	-155.4	5,974.4	0.00	0.00	0.00
17,231.0	90.00	179.45	10,645.0	-5,973.9	-155.4	5,975.4	0.00	0.00	0.00
17,232.0	90.00	179.45	10,645.0	-5,974.9	-155.4	5,976.4	0.00	0.00	0.00
17,233.0	90.00	179.45	10,645.0	-5,975.9	-155.4	5,977.4	0.00	0.00	0.00
17,234.0	90.00	179.45	10,645.0	-5,976.9	-155.4	5,978.4	0.00	0.00	0.00
17,235.0	90.00	179.45	10,645.0	-5,977.9	-155.4	5,979.4	0.00	0.00	0.00
17,236.0	90.00	179.45	10,645.0	-5,978.9	-155.4	5,980.4	0.00	0.00	0.00
17,237.0	90.00	179.45	10,645.0	-5,979.9	-155.4	5,981.4	0.00	0.00	0.00
17,238.0	90.00	179.45	10,645.0	-5,980.9	-155.3	5,982.4	0.00	0.00	0.00
17,239.0	90.00	179.45	10,645.0	-5,981.9	-155.3	5,983.4	0.00	0.00	0.00
17,240.0	90.00	179.45	10,645.0	-5,982.9	-155.3	5,984.4	0.00	0.00	0.00
17,241.0	90.00	179.45	10,645.0	-5,983.9	-155.3	5,985.4	0.00	0.00	0.00
17,242.0	90.00	179.45	10,645.0	-5,984.9	-155.3	5,986.4	0.00	0.00	0.00
17,243.0	90.00	179.45	10,645.0	-5,985.9	-155.3	5,987.4	0.00	0.00	0.00
17,244.0	90.00	179.45	10,645.0	-5,986.9	-155.3	5,988.4	0.00	0.00	0.00
17,245.0	90.00	179.45	10,645.0	-5,987.9	-155.3	5,989.4	0.00	0.00	0.00
17,246.0	90.00	179.45	10,645.0	-5,988.9	-155.3	5,990.4	0.00	0.00	0.00
17,247.0	90.00	179.45	10,645.0	-5,989.9	-155.3	5,991.4	0.00	0.00	0.00
17,248.0	90.00	179.45	10,645.0	-5,990.9	-155.3	5,992.4	0.00	0.00	0.00
17,249.0	90.00	179.45	10,645.0	-5,991.9	-155.2	5,993.4	0.00	0.00	0.00
17,250.0	90.00	179.45	10,645.0	-5,992.9	-155.2	5,994.4	0.00	0.00	0.00
17,251.0	90.00	179.45	10,645.0	-5,993.9	-155.2	5,995.4	0.00	0.00	0.00
17,252.0	90.00	179.45	10,645.0	-5,994.9	-155.2	5,996.4	0.00	0.00	0.00
17,253.0	90.00	179.45	10,645.0	-5,995.9	-155.2	5,997.4	0.00	0.00	0.00
17,254.0	90.00	179.45	10,645.0	-5,996.9	-155.2	5,998.4	0.00	0.00	0.00
17,255.0	90.00	179.45	10,645.0	-5,997.9	-155.2	5,999.4	0.00	0.00	0.00
17,256.0	90.00	179.45	10,645.0	-5,998.9	-155.2	6,000.4	0.00	0.00	0.00
17,257.0	90.00	179.45	10,645.0	-5,999.9	-155.2	6,001.4	0.00	0.00	0.00
17,258.0	90.00	179.45	10,645.0	-6,000.9	-155.2	6,002.4	0.00	0.00	0.00
17,259.0	90.00	179.45	10,645.0	-6,001.9	-155.1	6,003.4	0.00	0.00	0.00
17,260.0	90.00	179.45	10,645.0	-6,002.9	-155.1	6,004.4	0.00	0.00	0.00
17,261.0	90.00	179.45	10,645.0	-6,003.9	-155.1	6,005.4	0.00	0.00	0.00
17,262.0	90.00	179.45	10,645.0	-6,004.9	-155.1	6,006.4	0.00	0.00	0.00
17,263.0	90.00	179.45	10,645.0	-6,005.9	-155.1	6,007.4	0.00	0.00	0.00
17,264.0	90.00	179.45	10,645.0	-6,006.9	-155.1	6,008.4	0.00	0.00	0.00
17,265.0	90.00	179.45	10,645.0	-6,007.9	-155.1	6,009.4	0.00	0.00	0.00
17,266.0	90.00	179.45	10,645.0	-6,008.9	-155.1	6,010.4	0.00	0.00	0.00
17,267.0	90.00	179.45	10,645.0	-6,009.9	-155.1	6,011.4	0.00	0.00	0.00
17,268.0	90.00	179.45	10,645.0	-6,010.9	-155.1	6,012.4	0.00	0.00	0.00
17,269.0	90.00	179.45	10,645.0	-6,011.9	-155.1	6,013.4	0.00	0.00	0.00
17,270.0	90.00	179.45	10,645.0	-6,012.9	-155.0	6,014.4	0.00	0.00	0.00
17,271.0	90.00	179.45	10,645.0	-6,013.9	-155.0	6,015.4	0.00	0.00	0.00
17,272.0	90.00	179.45	10,645.0	-6,014.9	-155.0	6,016.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,273.0	90.00	179.45	10,645.0	-6,015.9	-155.0	6,017.4	0.00	0.00	0.00
17,274.0	90.00	179.45	10,645.0	-6,016.9	-155.0	6,018.4	0.00	0.00	0.00
17,275.0	90.00	179.45	10,645.0	-6,017.9	-155.0	6,019.4	0.00	0.00	0.00
17,276.0	90.00	179.45	10,645.0	-6,018.9	-155.0	6,020.4	0.00	0.00	0.00
17,277.0	90.00	179.45	10,645.0	-6,019.9	-155.0	6,021.4	0.00	0.00	0.00
17,278.0	90.00	179.45	10,645.0	-6,020.9	-155.0	6,022.4	0.00	0.00	0.00
17,279.0	90.00	179.45	10,645.0	-6,021.9	-155.0	6,023.4	0.00	0.00	0.00
17,280.0	90.00	179.45	10,645.0	-6,022.9	-154.9	6,024.4	0.00	0.00	0.00
17,281.0	90.00	179.45	10,645.0	-6,023.9	-154.9	6,025.4	0.00	0.00	0.00
17,282.0	90.00	179.45	10,645.0	-6,024.9	-154.9	6,026.4	0.00	0.00	0.00
17,283.0	90.00	179.45	10,645.0	-6,025.9	-154.9	6,027.4	0.00	0.00	0.00
17,284.0	90.00	179.45	10,645.0	-6,026.9	-154.9	6,028.4	0.00	0.00	0.00
17,285.0	90.00	179.45	10,645.0	-6,027.9	-154.9	6,029.4	0.00	0.00	0.00
17,286.0	90.00	179.45	10,645.0	-6,028.9	-154.9	6,030.4	0.00	0.00	0.00
17,287.0	90.00	179.45	10,645.0	-6,029.9	-154.9	6,031.4	0.00	0.00	0.00
17,288.0	90.00	179.45	10,645.0	-6,030.9	-154.9	6,032.4	0.00	0.00	0.00
17,289.0	90.00	179.45	10,645.0	-6,031.9	-154.9	6,033.4	0.00	0.00	0.00
17,290.0	90.00	179.45	10,645.0	-6,032.9	-154.8	6,034.4	0.00	0.00	0.00
17,291.0	90.00	179.45	10,645.0	-6,033.9	-154.8	6,035.4	0.00	0.00	0.00
17,292.0	90.00	179.45	10,645.0	-6,034.9	-154.8	6,036.4	0.00	0.00	0.00
17,293.0	90.00	179.45	10,645.0	-6,035.9	-154.8	6,037.4	0.00	0.00	0.00
17,294.0	90.00	179.45	10,645.0	-6,036.9	-154.8	6,038.4	0.00	0.00	0.00
17,295.0	90.00	179.45	10,645.0	-6,037.9	-154.8	6,039.4	0.00	0.00	0.00
17,296.0	90.00	179.45	10,645.0	-6,038.9	-154.8	6,040.4	0.00	0.00	0.00
17,297.0	90.00	179.45	10,645.0	-6,039.9	-154.8	6,041.4	0.00	0.00	0.00
17,298.0	90.00	179.45	10,645.0	-6,040.9	-154.8	6,042.4	0.00	0.00	0.00
17,299.0	90.00	179.45	10,645.0	-6,041.9	-154.8	6,043.4	0.00	0.00	0.00
17,300.0	90.00	179.45	10,645.0	-6,042.9	-154.8	6,044.4	0.05	0.00	0.05
17,301.0	90.00	179.45	10,645.0	-6,043.9	-154.7	6,045.4	0.00	0.00	0.00
17,302.0	90.00	179.45	10,645.0	-6,044.9	-154.7	6,046.4	0.00	0.00	0.00
17,303.0	90.00	179.45	10,645.0	-6,045.9	-154.7	6,047.4	0.00	0.00	0.00
17,304.0	90.00	179.45	10,645.0	-6,046.9	-154.7	6,048.4	0.00	0.00	0.00
17,305.0	90.00	179.45	10,645.0	-6,047.9	-154.7	6,049.4	0.00	0.00	0.00
17,306.0	90.00	179.45	10,645.0	-6,048.9	-154.7	6,050.4	0.00	0.00	0.00
17,307.0	90.00	179.45	10,645.0	-6,049.9	-154.7	6,051.4	0.00	0.00	0.00
17,308.0	90.00	179.45	10,645.0	-6,050.9	-154.7	6,052.4	0.00	0.00	0.00
17,309.0	90.00	179.45	10,645.0	-6,051.9	-154.7	6,053.4	0.00	0.00	0.00
17,310.0	90.00	179.45	10,645.0	-6,052.9	-154.7	6,054.4	0.00	0.00	0.00
17,311.0	90.00	179.45	10,645.0	-6,053.9	-154.6	6,055.4	0.00	0.00	0.00
17,312.0	90.00	179.45	10,645.0	-6,054.9	-154.6	6,056.4	0.00	0.00	0.00
17,313.0	90.00	179.45	10,645.0	-6,055.9	-154.6	6,057.4	0.00	0.00	0.00
17,314.0	90.00	179.45	10,645.0	-6,056.9	-154.6	6,058.4	0.00	0.00	0.00
17,315.0	90.00	179.45	10,645.0	-6,057.9	-154.6	6,059.4	0.00	0.00	0.00
17,316.0	90.00	179.45	10,645.0	-6,058.9	-154.6	6,060.4	0.00	0.00	0.00
17,317.0	90.00	179.45	10,645.0	-6,059.9	-154.6	6,061.4	0.00	0.00	0.00
17,318.0	90.00	179.45	10,645.0	-6,060.9	-154.6	6,062.4	0.00	0.00	0.00
17,319.0	90.00	179.45	10,645.0	-6,061.9	-154.6	6,063.4	0.00	0.00	0.00
17,320.0	90.00	179.45	10,645.0	-6,062.9	-154.6	6,064.4	0.00	0.00	0.00
17,321.0	90.00	179.45	10,645.0	-6,063.9	-154.6	6,065.4	0.00	0.00	0.00
17,322.0	90.00	179.45	10,645.0	-6,064.9	-154.5	6,066.4	0.00	0.00	0.00
17,323.0	90.00	179.45	10,645.0	-6,065.9	-154.5	6,067.4	0.00	0.00	0.00
17,324.0	90.00	179.45	10,645.0	-6,066.9	-154.5	6,068.4	0.00	0.00	0.00
17,325.0	90.00	179.45	10,645.0	-6,067.9	-154.5	6,069.4	0.00	0.00	0.00
17,326.0	90.00	179.45	10,645.0	-6,068.9	-154.5	6,070.4	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,327.0	90.00	179.45	10,645.0	-6,069.9	-154.5	6,071.4	0.00	0.00	0.00	
17,328.0	90.00	179.45	10,645.0	-6,070.9	-154.5	6,072.4	0.00	0.00	0.00	
17,329.0	90.00	179.45	10,645.0	-6,071.9	-154.5	6,073.4	0.00	0.00	0.00	
17,330.0	90.00	179.45	10,645.0	-6,072.9	-154.5	6,074.4	0.00	0.00	0.00	
17,331.0	90.00	179.45	10,645.0	-6,073.9	-154.5	6,075.4	0.00	0.00	0.00	
17,332.0	90.00	179.45	10,645.0	-6,074.9	-154.4	6,076.4	0.00	0.00	0.00	
17,333.0	90.00	179.45	10,645.0	-6,075.9	-154.4	6,077.4	0.00	0.00	0.00	
17,334.0	90.00	179.45	10,645.0	-6,076.9	-154.4	6,078.4	0.00	0.00	0.00	
17,335.0	90.00	179.45	10,645.0	-6,077.9	-154.4	6,079.4	0.00	0.00	0.00	
17,336.0	90.00	179.45	10,645.0	-6,078.9	-154.4	6,080.4	0.00	0.00	0.00	
17,337.0	90.00	179.45	10,645.0	-6,079.9	-154.4	6,081.4	0.00	0.00	0.00	
17,338.0	90.00	179.45	10,645.0	-6,080.9	-154.4	6,082.4	0.00	0.00	0.00	
17,339.0	90.00	179.45	10,645.0	-6,081.9	-154.4	6,083.4	0.00	0.00	0.00	
17,340.0	90.00	179.45	10,645.0	-6,082.9	-154.4	6,084.4	0.00	0.00	0.00	
17,341.0	90.00	179.45	10,645.0	-6,083.9	-154.4	6,085.4	0.00	0.00	0.00	
17,342.0	90.00	179.45	10,645.0	-6,084.9	-154.4	6,086.4	0.00	0.00	0.00	
17,343.0	90.00	179.45	10,645.0	-6,085.9	-154.3	6,087.4	0.00	0.00	0.00	
17,344.0	90.00	179.45	10,645.0	-6,086.9	-154.3	6,088.4	0.00	0.00	0.00	
17,345.0	90.00	179.45	10,645.0	-6,087.9	-154.3	6,089.4	0.00	0.00	0.00	
17,346.0	90.00	179.45	10,645.0	-6,088.9	-154.3	6,090.4	0.00	0.00	0.00	
17,347.0	90.00	179.45	10,645.0	-6,089.9	-154.3	6,091.4	0.00	0.00	0.00	
17,348.0	90.00	179.45	10,645.0	-6,090.9	-154.3	6,092.4	0.00	0.00	0.00	
17,349.0	90.00	179.45	10,645.0	-6,091.9	-154.3	6,093.4	0.00	0.00	0.00	
17,350.0	90.00	179.45	10,645.0	-6,092.9	-154.3	6,094.4	0.00	0.00	0.00	
17,351.0	90.00	179.45	10,645.0	-6,093.9	-154.3	6,095.4	0.00	0.00	0.00	
17,352.0	90.00	179.45	10,645.0	-6,094.9	-154.3	6,096.4	0.00	0.00	0.00	
17,353.0	90.00	179.45	10,645.0	-6,095.9	-154.2	6,097.4	0.00	0.00	0.00	
17,354.0	90.00	179.45	10,645.0	-6,096.9	-154.2	6,098.4	0.00	0.00	0.00	
17,355.0	90.00	179.45	10,645.0	-6,097.9	-154.2	6,099.4	0.00	0.00	0.00	
17,356.0	90.00	179.45	10,645.0	-6,098.9	-154.2	6,100.4	0.00	0.00	0.00	
17,357.0	90.00	179.45	10,645.0	-6,099.9	-154.2	6,101.4	0.00	0.00	0.00	
17,358.0	90.00	179.45	10,645.0	-6,100.9	-154.2	6,102.4	0.00	0.00	0.00	
17,359.0	90.00	179.45	10,645.0	-6,101.9	-154.2	6,103.4	0.00	0.00	0.00	
17,360.0	90.00	179.45	10,645.0	-6,102.9	-154.2	6,104.4	0.00	0.00	0.00	
17,361.0	90.00	179.45	10,645.0	-6,103.9	-154.2	6,105.4	0.00	0.00	0.00	
17,362.0	90.00	179.45	10,645.0	-6,104.9	-154.2	6,106.4	0.00	0.00	0.00	
17,363.0	90.00	179.45	10,645.0	-6,105.9	-154.2	6,107.4	0.00	0.00	0.00	
17,364.0	90.00	179.45	10,645.0	-6,106.9	-154.1	6,108.4	0.00	0.00	0.00	
17,365.0	90.00	179.45	10,645.0	-6,107.9	-154.1	6,109.4	0.00	0.00	0.00	
17,366.0	90.00	179.45	10,645.0	-6,108.9	-154.1	6,110.4	0.00	0.00	0.00	
17,367.0	90.00	179.45	10,645.0	-6,109.9	-154.1	6,111.4	0.00	0.00	0.00	
17,368.0	90.00	179.45	10,645.0	-6,110.9	-154.1	6,112.4	0.00	0.00	0.00	
17,369.0	90.00	179.45	10,645.0	-6,111.9	-154.1	6,113.4	0.00	0.00	0.00	
17,370.0	90.00	179.45	10,645.0	-6,112.9	-154.1	6,114.4	0.00	0.00	0.00	
17,371.0	90.00	179.45	10,645.0	-6,113.9	-154.1	6,115.4	0.00	0.00	0.00	
17,372.0	90.00	179.45	10,645.0	-6,114.9	-154.1	6,116.4	0.00	0.00	0.00	
17,373.0	90.00	179.45	10,645.0	-6,115.9	-154.1	6,117.4	0.00	0.00	0.00	
17,374.0	90.00	179.45	10,645.0	-6,116.9	-154.0	6,118.4	0.00	0.00	0.00	
17,375.0	90.00	179.45	10,645.0	-6,117.9	-154.0	6,119.4	0.00	0.00	0.00	
17,376.0	90.00	179.45	10,645.0	-6,118.9	-154.0	6,120.4	0.00	0.00	0.00	
17,377.0	90.00	179.45	10,645.0	-6,119.9	-154.0	6,121.4	0.00	0.00	0.00	
17,378.0	90.00	179.45	10,645.0	-6,120.9	-154.0	6,122.4	0.00	0.00	0.00	
17,379.0	90.00	179.45	10,645.0	-6,121.9	-154.0	6,123.4	0.00	0.00	0.00	
17,380.0	90.00	179.45	10,645.0	-6,122.9	-154.0	6,124.4	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,381.0	90.00	179.45	10,645.0	-6,123.9	-154.0	6,125.4	0.00	0.00	0.00	
17,382.0	90.00	179.45	10,645.0	-6,124.9	-154.0	6,126.4	0.00	0.00	0.00	
17,383.0	90.00	179.45	10,645.0	-6,125.9	-154.0	6,127.4	0.00	0.00	0.00	
17,384.0	90.00	179.45	10,645.0	-6,126.9	-153.9	6,128.4	0.00	0.00	0.00	
17,385.0	90.00	179.45	10,645.0	-6,127.9	-153.9	6,129.4	0.00	0.00	0.00	
17,386.0	90.00	179.45	10,645.0	-6,128.9	-153.9	6,130.4	0.00	0.00	0.00	
17,387.0	90.00	179.45	10,645.0	-6,129.9	-153.9	6,131.4	0.00	0.00	0.00	
17,388.0	90.00	179.45	10,645.0	-6,130.9	-153.9	6,132.4	0.00	0.00	0.00	
17,389.0	90.00	179.45	10,645.0	-6,131.9	-153.9	6,133.4	0.00	0.00	0.00	
17,390.0	90.00	179.45	10,645.0	-6,132.9	-153.9	6,134.4	0.00	0.00	0.00	
17,391.0	90.00	179.45	10,645.0	-6,133.9	-153.9	6,135.4	0.00	0.00	0.00	
17,392.0	90.00	179.45	10,645.0	-6,134.9	-153.9	6,136.4	0.00	0.00	0.00	
17,393.0	90.00	179.45	10,645.0	-6,135.9	-153.9	6,137.4	0.00	0.00	0.00	
17,394.0	90.00	179.45	10,645.0	-6,136.9	-153.9	6,138.4	0.00	0.00	0.00	
17,395.0	90.00	179.45	10,645.0	-6,137.9	-153.8	6,139.4	0.00	0.00	0.00	
17,396.0	90.00	179.45	10,645.0	-6,138.9	-153.8	6,140.4	0.00	0.00	0.00	
17,397.0	90.00	179.45	10,645.0	-6,139.9	-153.8	6,141.4	0.00	0.00	0.00	
17,398.0	90.00	179.45	10,645.0	-6,140.9	-153.8	6,142.4	0.00	0.00	0.00	
17,399.0	90.00	179.45	10,645.0	-6,141.9	-153.8	6,143.4	0.00	0.00	0.00	
17,400.0	90.00	179.45	10,645.0	-6,142.9	-153.8	6,144.4	0.05	0.00	0.05	
17,401.0	90.00	179.45	10,645.0	-6,143.9	-153.8	6,145.4	0.00	0.00	0.00	
17,402.0	90.00	179.45	10,645.0	-6,144.9	-153.8	6,146.4	0.00	0.00	0.00	
17,403.0	90.00	179.45	10,645.0	-6,145.9	-153.8	6,147.4	0.00	0.00	0.00	
17,404.0	90.00	179.45	10,645.0	-6,146.9	-153.8	6,148.4	0.00	0.00	0.00	
17,405.0	90.00	179.45	10,645.0	-6,147.9	-153.7	6,149.4	0.00	0.00	0.00	
17,406.0	90.00	179.45	10,645.0	-6,148.9	-153.7	6,150.4	0.00	0.00	0.00	
17,407.0	90.00	179.45	10,645.0	-6,149.9	-153.7	6,151.4	0.00	0.00	0.00	
17,408.0	90.00	179.45	10,645.0	-6,150.9	-153.7	6,152.4	0.00	0.00	0.00	
17,409.0	90.00	179.45	10,645.0	-6,151.9	-153.7	6,153.4	0.00	0.00	0.00	
17,410.0	90.00	179.45	10,645.0	-6,152.9	-153.7	6,154.4	0.00	0.00	0.00	
17,411.0	90.00	179.45	10,645.0	-6,153.9	-153.7	6,155.4	0.00	0.00	0.00	
17,412.0	90.00	179.45	10,645.0	-6,154.9	-153.7	6,156.4	0.00	0.00	0.00	
17,413.0	90.00	179.45	10,645.0	-6,155.9	-153.7	6,157.4	0.00	0.00	0.00	
17,414.0	90.00	179.45	10,645.0	-6,156.9	-153.7	6,158.4	0.00	0.00	0.00	
17,415.0	90.00	179.45	10,645.0	-6,157.9	-153.7	6,159.4	0.00	0.00	0.00	
17,416.0	90.00	179.45	10,645.0	-6,158.9	-153.6	6,160.4	0.00	0.00	0.00	
17,417.0	90.00	179.45	10,645.0	-6,159.9	-153.6	6,161.4	0.00	0.00	0.00	
17,418.0	90.00	179.45	10,645.0	-6,160.9	-153.6	6,162.4	0.00	0.00	0.00	
17,419.0	90.00	179.45	10,645.0	-6,161.9	-153.6	6,163.4	0.00	0.00	0.00	
17,420.0	90.00	179.45	10,645.0	-6,162.9	-153.6	6,164.4	0.00	0.00	0.00	
17,421.0	90.00	179.45	10,645.0	-6,163.9	-153.6	6,165.4	0.00	0.00	0.00	
17,422.0	90.00	179.45	10,645.0	-6,164.9	-153.6	6,166.4	0.00	0.00	0.00	
17,423.0	90.00	179.45	10,645.0	-6,165.9	-153.6	6,167.4	0.00	0.00	0.00	
17,424.0	90.00	179.45	10,645.0	-6,166.9	-153.6	6,168.4	0.00	0.00	0.00	
17,425.0	90.00	179.45	10,645.0	-6,167.9	-153.6	6,169.4	0.00	0.00	0.00	
17,426.0	90.00	179.45	10,645.0	-6,168.9	-153.5	6,170.4	0.00	0.00	0.00	
17,427.0	90.00	179.45	10,645.0	-6,169.9	-153.5	6,171.4	0.00	0.00	0.00	
17,428.0	90.00	179.45	10,645.0	-6,170.9	-153.5	6,172.4	0.00	0.00	0.00	
17,429.0	90.00	179.45	10,645.0	-6,171.9	-153.5	6,173.4	0.00	0.00	0.00	
17,430.0	90.00	179.45	10,645.0	-6,172.9	-153.5	6,174.4	0.00	0.00	0.00	
17,431.0	90.00	179.45	10,645.0	-6,173.9	-153.5	6,175.4	0.00	0.00	0.00	
17,432.0	90.00	179.45	10,645.0	-6,174.9	-153.5	6,176.4	0.00	0.00	0.00	
17,433.0	90.00	179.45	10,645.0	-6,175.9	-153.5	6,177.4	0.00	0.00	0.00	
17,434.0	90.00	179.45	10,645.0	-6,176.9	-153.5	6,178.4	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,435.0	90.00	179.45	10,645.0	-6,177.9	-153.5	6,179.4	0.00	0.00	0.00	
17,436.0	90.00	179.45	10,645.0	-6,178.9	-153.5	6,180.4	0.00	0.00	0.00	
17,437.0	90.00	179.45	10,645.0	-6,179.9	-153.4	6,181.4	0.00	0.00	0.00	
17,438.0	90.00	179.45	10,645.0	-6,180.9	-153.4	6,182.4	0.00	0.00	0.00	
17,439.0	90.00	179.45	10,645.0	-6,181.9	-153.4	6,183.4	0.00	0.00	0.00	
17,440.0	90.00	179.45	10,645.0	-6,182.9	-153.4	6,184.4	0.00	0.00	0.00	
17,441.0	90.00	179.45	10,645.0	-6,183.9	-153.4	6,185.4	0.00	0.00	0.00	
17,442.0	90.00	179.45	10,645.0	-6,184.9	-153.4	6,186.4	0.00	0.00	0.00	
17,443.0	90.00	179.45	10,645.0	-6,185.9	-153.4	6,187.4	0.00	0.00	0.00	
17,444.0	90.00	179.45	10,645.0	-6,186.9	-153.4	6,188.4	0.00	0.00	0.00	
17,445.0	90.00	179.45	10,645.0	-6,187.9	-153.4	6,189.4	0.00	0.00	0.00	
17,446.0	90.00	179.45	10,645.0	-6,188.9	-153.4	6,190.4	0.00	0.00	0.00	
17,447.0	90.00	179.45	10,645.0	-6,189.9	-153.3	6,191.4	0.00	0.00	0.00	
17,448.0	90.00	179.45	10,645.0	-6,190.9	-153.3	6,192.4	0.00	0.00	0.00	
17,449.0	90.00	179.45	10,645.0	-6,191.9	-153.3	6,193.4	0.00	0.00	0.00	
17,450.0	90.00	179.45	10,645.0	-6,192.9	-153.3	6,194.4	0.00	0.00	0.00	
17,451.0	90.00	179.45	10,645.0	-6,193.9	-153.3	6,195.4	0.00	0.00	0.00	
17,452.0	90.00	179.45	10,645.0	-6,194.9	-153.3	6,196.4	0.00	0.00	0.00	
17,453.0	90.00	179.45	10,645.0	-6,195.9	-153.3	6,197.4	0.00	0.00	0.00	
17,454.0	90.00	179.45	10,645.0	-6,196.9	-153.3	6,198.4	0.00	0.00	0.00	
17,455.0	90.00	179.45	10,645.0	-6,197.9	-153.3	6,199.4	0.00	0.00	0.00	
17,456.0	90.00	179.45	10,645.0	-6,198.9	-153.3	6,200.4	0.00	0.00	0.00	
17,457.0	90.00	179.45	10,645.0	-6,199.9	-153.3	6,201.4	0.00	0.00	0.00	
17,458.0	90.00	179.45	10,645.0	-6,200.9	-153.2	6,202.4	0.00	0.00	0.00	
17,459.0	90.00	179.45	10,645.0	-6,201.9	-153.2	6,203.4	0.00	0.00	0.00	
17,460.0	90.00	179.45	10,645.0	-6,202.9	-153.2	6,204.4	0.00	0.00	0.00	
17,461.0	90.00	179.45	10,645.0	-6,203.9	-153.2	6,205.4	0.00	0.00	0.00	
17,462.0	90.00	179.45	10,645.0	-6,204.9	-153.2	6,206.4	0.00	0.00	0.00	
17,463.0	90.00	179.45	10,645.0	-6,205.9	-153.2	6,207.4	0.00	0.00	0.00	
17,464.0	90.00	179.45	10,645.0	-6,206.9	-153.2	6,208.4	0.00	0.00	0.00	
17,465.0	90.00	179.45	10,645.0	-6,207.9	-153.2	6,209.4	0.00	0.00	0.00	
17,466.0	90.00	179.45	10,645.0	-6,208.9	-153.2	6,210.4	0.00	0.00	0.00	
17,467.0	90.00	179.45	10,645.0	-6,209.9	-153.2	6,211.4	0.00	0.00	0.00	
17,468.0	90.00	179.45	10,645.0	-6,210.9	-153.1	6,212.4	0.00	0.00	0.00	
17,469.0	90.00	179.45	10,645.0	-6,211.9	-153.1	6,213.4	0.00	0.00	0.00	
17,470.0	90.00	179.45	10,645.0	-6,212.9	-153.1	6,214.4	0.00	0.00	0.00	
17,471.0	90.00	179.45	10,645.0	-6,213.9	-153.1	6,215.4	0.00	0.00	0.00	
17,472.0	90.00	179.45	10,645.0	-6,214.9	-153.1	6,216.4	0.00	0.00	0.00	
17,473.0	90.00	179.45	10,645.0	-6,215.9	-153.1	6,217.4	0.00	0.00	0.00	
17,474.0	90.00	179.45	10,645.0	-6,216.9	-153.1	6,218.4	0.00	0.00	0.00	
17,475.0	90.00	179.45	10,645.0	-6,217.9	-153.1	6,219.4	0.00	0.00	0.00	
17,476.0	90.00	179.45	10,645.0	-6,218.9	-153.1	6,220.4	0.00	0.00	0.00	
17,477.0	90.00	179.45	10,645.0	-6,219.9	-153.1	6,221.4	0.00	0.00	0.00	
17,478.0	90.00	179.45	10,645.0	-6,220.9	-153.1	6,222.4	0.00	0.00	0.00	
17,479.0	90.00	179.45	10,645.0	-6,221.9	-153.0	6,223.4	0.00	0.00	0.00	
17,480.0	90.00	179.45	10,645.0	-6,222.9	-153.0	6,224.4	0.00	0.00	0.00	
17,481.0	90.00	179.45	10,645.0	-6,223.9	-153.0	6,225.4	0.00	0.00	0.00	
17,482.0	90.00	179.45	10,645.0	-6,224.9	-153.0	6,226.4	0.00	0.00	0.00	
17,483.0	90.00	179.45	10,645.0	-6,225.9	-153.0	6,227.4	0.00	0.00	0.00	
17,484.0	90.00	179.45	10,645.0	-6,226.9	-153.0	6,228.4	0.00	0.00	0.00	
17,485.0	90.00	179.45	10,645.0	-6,227.9	-153.0	6,229.4	0.00	0.00	0.00	
17,486.0	90.00	179.45	10,645.0	-6,228.9	-153.0	6,230.4	0.00	0.00	0.00	
17,487.0	90.00	179.45	10,645.0	-6,229.9	-153.0	6,231.4	0.00	0.00	0.00	
17,488.0	90.00	179.45	10,645.0	-6,230.9	-153.0	6,232.4	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,489.0	90.00	179.45	10,645.0	-6,231.9	-152.9	6,233.4	0.00	0.00	0.00
17,490.0	90.00	179.45	10,645.0	-6,232.9	-152.9	6,234.4	0.00	0.00	0.00
17,491.0	90.00	179.45	10,645.0	-6,233.9	-152.9	6,235.4	0.00	0.00	0.00
17,492.0	90.00	179.45	10,645.0	-6,234.9	-152.9	6,236.4	0.00	0.00	0.00
17,493.0	90.00	179.45	10,645.0	-6,235.9	-152.9	6,237.4	0.00	0.00	0.00
17,494.0	90.00	179.45	10,645.0	-6,236.9	-152.9	6,238.4	0.00	0.00	0.00
17,495.0	90.00	179.45	10,645.0	-6,237.9	-152.9	6,239.4	0.00	0.00	0.00
17,496.0	90.00	179.45	10,645.0	-6,238.9	-152.9	6,240.4	0.00	0.00	0.00
17,497.0	90.00	179.45	10,645.0	-6,239.9	-152.9	6,241.4	0.00	0.00	0.00
17,498.0	90.00	179.45	10,645.0	-6,240.9	-152.9	6,242.4	0.00	0.00	0.00
17,499.0	90.00	179.45	10,645.0	-6,241.9	-152.8	6,243.4	0.00	0.00	0.00
17,500.0	90.00	179.45	10,645.0	-6,242.9	-152.8	6,244.4	0.05	0.00	0.05
17,501.0	90.00	179.45	10,645.0	-6,243.9	-152.8	6,245.4	0.00	0.00	0.00
17,502.0	90.00	179.45	10,645.0	-6,244.9	-152.8	6,246.4	0.00	0.00	0.00
17,503.0	90.00	179.45	10,645.0	-6,245.9	-152.8	6,247.4	0.00	0.00	0.00
17,504.0	90.00	179.45	10,645.0	-6,246.9	-152.8	6,248.4	0.00	0.00	0.00
17,505.0	90.00	179.45	10,645.0	-6,247.9	-152.8	6,249.4	0.00	0.00	0.00
17,506.0	90.00	179.45	10,645.0	-6,248.9	-152.8	6,250.4	0.00	0.00	0.00
17,507.0	90.00	179.45	10,645.0	-6,249.9	-152.8	6,251.4	0.00	0.00	0.00
17,508.0	90.00	179.45	10,645.0	-6,250.9	-152.8	6,252.4	0.00	0.00	0.00
17,509.0	90.00	179.45	10,645.0	-6,251.9	-152.8	6,253.4	0.00	0.00	0.00
17,510.0	90.00	179.45	10,645.0	-6,252.9	-152.7	6,254.4	0.00	0.00	0.00
17,511.0	90.00	179.45	10,645.0	-6,253.9	-152.7	6,255.4	0.00	0.00	0.00
17,512.0	90.00	179.45	10,645.0	-6,254.9	-152.7	6,256.4	0.00	0.00	0.00
17,513.0	90.00	179.45	10,645.0	-6,255.9	-152.7	6,257.4	0.00	0.00	0.00
17,514.0	90.00	179.45	10,645.0	-6,256.9	-152.7	6,258.4	0.00	0.00	0.00
17,515.0	90.00	179.45	10,645.0	-6,257.9	-152.7	6,259.4	0.00	0.00	0.00
17,516.0	90.00	179.45	10,645.0	-6,258.9	-152.7	6,260.4	0.00	0.00	0.00
17,517.0	90.00	179.45	10,645.0	-6,259.9	-152.7	6,261.4	0.00	0.00	0.00
17,518.0	90.00	179.45	10,645.0	-6,260.9	-152.7	6,262.4	0.00	0.00	0.00
17,519.0	90.00	179.45	10,645.0	-6,261.9	-152.7	6,263.4	0.00	0.00	0.00
17,520.0	90.00	179.45	10,645.0	-6,262.9	-152.6	6,264.4	0.00	0.00	0.00
17,521.0	90.00	179.45	10,645.0	-6,263.9	-152.6	6,265.4	0.00	0.00	0.00
17,522.0	90.00	179.45	10,645.0	-6,264.9	-152.6	6,266.4	0.00	0.00	0.00
17,523.0	90.00	179.45	10,645.0	-6,265.9	-152.6	6,267.4	0.00	0.00	0.00
17,524.0	90.00	179.45	10,645.0	-6,266.9	-152.6	6,268.4	0.00	0.00	0.00
17,525.0	90.00	179.45	10,645.0	-6,267.9	-152.6	6,269.4	0.00	0.00	0.00
17,526.0	90.00	179.45	10,645.0	-6,268.9	-152.6	6,270.4	0.00	0.00	0.00
17,527.0	90.00	179.45	10,645.0	-6,269.9	-152.6	6,271.4	0.00	0.00	0.00
17,528.0	90.00	179.45	10,645.0	-6,270.9	-152.6	6,272.4	0.00	0.00	0.00
17,529.0	90.00	179.45	10,645.0	-6,271.9	-152.6	6,273.3	0.00	0.00	0.00
17,530.0	90.00	179.45	10,645.0	-6,272.9	-152.6	6,274.3	0.00	0.00	0.00
17,531.0	90.00	179.45	10,645.0	-6,273.9	-152.5	6,275.3	0.00	0.00	0.00
17,532.0	90.00	179.45	10,645.0	-6,274.9	-152.5	6,276.3	0.00	0.00	0.00
17,533.0	90.00	179.45	10,645.0	-6,275.9	-152.5	6,277.3	0.00	0.00	0.00
17,534.0	90.00	179.45	10,645.0	-6,276.9	-152.5	6,278.3	0.00	0.00	0.00
17,535.0	90.00	179.45	10,645.0	-6,277.9	-152.5	6,279.3	0.00	0.00	0.00
17,536.0	90.00	179.45	10,645.0	-6,278.9	-152.5	6,280.3	0.00	0.00	0.00
17,537.0	90.00	179.45	10,645.0	-6,279.9	-152.5	6,281.3	0.00	0.00	0.00
17,538.0	90.00	179.45	10,645.0	-6,280.9	-152.5	6,282.3	0.00	0.00	0.00
17,539.0	90.00	179.45	10,645.0	-6,281.9	-152.5	6,283.3	0.00	0.00	0.00
17,540.0	90.00	179.45	10,645.0	-6,282.9	-152.5	6,284.3	0.00	0.00	0.00
17,541.0	90.00	179.45	10,645.0	-6,283.9	-152.4	6,285.3	0.00	0.00	0.00
17,542.0	90.00	179.45	10,645.0	-6,284.9	-152.4	6,286.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,543.0	90.00	179.45	10,645.0	-6,285.9	-152.4	6,287.3	0.00	0.00	0.00
17,544.0	90.00	179.45	10,645.0	-6,286.9	-152.4	6,288.3	0.00	0.00	0.00
17,545.0	90.00	179.45	10,645.0	-6,287.9	-152.4	6,289.3	0.00	0.00	0.00
17,546.0	90.00	179.45	10,645.0	-6,288.9	-152.4	6,290.3	0.00	0.00	0.00
17,547.0	90.00	179.45	10,645.0	-6,289.9	-152.4	6,291.3	0.00	0.00	0.00
17,548.0	90.00	179.45	10,645.0	-6,290.9	-152.4	6,292.3	0.00	0.00	0.00
17,549.0	90.00	179.45	10,645.0	-6,291.9	-152.4	6,293.3	0.00	0.00	0.00
17,550.0	90.00	179.45	10,645.0	-6,292.9	-152.4	6,294.3	0.00	0.00	0.00
17,551.0	90.00	179.45	10,645.0	-6,293.9	-152.4	6,295.3	0.00	0.00	0.00
17,552.0	90.00	179.45	10,645.0	-6,294.9	-152.3	6,296.3	0.00	0.00	0.00
17,553.0	90.00	179.45	10,645.0	-6,295.9	-152.3	6,297.3	0.00	0.00	0.00
17,554.0	90.00	179.45	10,645.0	-6,296.9	-152.3	6,298.3	0.00	0.00	0.00
17,555.0	90.00	179.45	10,645.0	-6,297.9	-152.3	6,299.3	0.00	0.00	0.00
17,556.0	90.00	179.45	10,645.0	-6,298.9	-152.3	6,300.3	0.00	0.00	0.00
17,557.0	90.00	179.45	10,645.0	-6,299.9	-152.3	6,301.3	0.00	0.00	0.00
17,558.0	90.00	179.45	10,645.0	-6,300.9	-152.3	6,302.3	0.00	0.00	0.00
17,559.0	90.00	179.45	10,645.0	-6,301.9	-152.3	6,303.3	0.00	0.00	0.00
17,560.0	90.00	179.45	10,645.0	-6,302.9	-152.3	6,304.3	0.00	0.00	0.00
17,561.0	90.00	179.45	10,645.0	-6,303.9	-152.3	6,305.3	0.00	0.00	0.00
17,562.0	90.00	179.45	10,645.0	-6,304.9	-152.2	6,306.3	0.00	0.00	0.00
17,563.0	90.00	179.45	10,645.0	-6,305.9	-152.2	6,307.3	0.00	0.00	0.00
17,564.0	90.00	179.45	10,645.0	-6,306.9	-152.2	6,308.3	0.00	0.00	0.00
17,565.0	90.00	179.45	10,645.0	-6,307.9	-152.2	6,309.3	0.00	0.00	0.00
17,566.0	90.00	179.45	10,645.0	-6,308.9	-152.2	6,310.3	0.00	0.00	0.00
17,567.0	90.00	179.45	10,645.0	-6,309.9	-152.2	6,311.3	0.00	0.00	0.00
17,568.0	90.00	179.45	10,645.0	-6,310.9	-152.2	6,312.3	0.00	0.00	0.00
17,569.0	90.00	179.45	10,645.0	-6,311.9	-152.2	6,313.3	0.00	0.00	0.00
17,570.0	90.00	179.45	10,645.0	-6,312.9	-152.2	6,314.3	0.00	0.00	0.00
17,571.0	90.00	179.45	10,645.0	-6,313.9	-152.2	6,315.3	0.00	0.00	0.00
17,572.0	90.00	179.45	10,645.0	-6,314.9	-152.2	6,316.3	0.00	0.00	0.00
17,573.0	90.00	179.45	10,645.0	-6,315.9	-152.1	6,317.3	0.00	0.00	0.00
17,574.0	90.00	179.45	10,645.0	-6,316.9	-152.1	6,318.3	0.00	0.00	0.00
17,575.0	90.00	179.45	10,645.0	-6,317.9	-152.1	6,319.3	0.00	0.00	0.00
17,576.0	90.00	179.45	10,645.0	-6,318.9	-152.1	6,320.3	0.00	0.00	0.00
17,577.0	90.00	179.45	10,645.0	-6,319.9	-152.1	6,321.3	0.00	0.00	0.00
17,578.0	90.00	179.45	10,645.0	-6,320.9	-152.1	6,322.3	0.00	0.00	0.00
17,579.0	90.00	179.45	10,645.0	-6,321.9	-152.1	6,323.3	0.00	0.00	0.00
17,580.0	90.00	179.45	10,645.0	-6,322.9	-152.1	6,324.3	0.00	0.00	0.00
17,581.0	90.00	179.45	10,645.0	-6,323.9	-152.1	6,325.3	0.00	0.00	0.00
17,582.0	90.00	179.45	10,645.0	-6,324.9	-152.1	6,326.3	0.00	0.00	0.00
17,583.0	90.00	179.45	10,645.0	-6,325.9	-152.0	6,327.3	0.00	0.00	0.00
17,584.0	90.00	179.45	10,645.0	-6,326.9	-152.0	6,328.3	0.00	0.00	0.00
17,585.0	90.00	179.45	10,645.0	-6,327.9	-152.0	6,329.3	0.00	0.00	0.00
17,586.0	90.00	179.45	10,645.0	-6,328.9	-152.0	6,330.3	0.00	0.00	0.00
17,587.0	90.00	179.45	10,645.0	-6,329.9	-152.0	6,331.3	0.00	0.00	0.00
17,588.0	90.00	179.45	10,645.0	-6,330.9	-152.0	6,332.3	0.00	0.00	0.00
17,589.0	90.00	179.45	10,645.0	-6,331.9	-152.0	6,333.3	0.00	0.00	0.00
17,590.0	90.00	179.45	10,645.0	-6,332.9	-152.0	6,334.3	0.00	0.00	0.00
17,591.0	90.00	179.45	10,645.0	-6,333.9	-152.0	6,335.3	0.00	0.00	0.00
17,592.0	90.00	179.45	10,645.0	-6,334.9	-152.0	6,336.3	0.00	0.00	0.00
17,593.0	90.00	179.45	10,645.0	-6,335.9	-152.0	6,337.3	0.00	0.00	0.00
17,594.0	90.00	179.45	10,645.0	-6,336.9	-151.9	6,338.3	0.00	0.00	0.00
17,595.0	90.00	179.45	10,645.0	-6,337.9	-151.9	6,339.3	0.00	0.00	0.00
17,596.0	90.00	179.45	10,645.0	-6,338.9	-151.9	6,340.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,597.0	90.00	179.45	10,645.0	-6,339.9	-151.9	6,341.3	0.00	0.00	0.00	
17,598.0	90.00	179.45	10,645.0	-6,340.9	-151.9	6,342.3	0.00	0.00	0.00	
17,599.0	90.00	179.45	10,645.0	-6,341.9	-151.9	6,343.3	0.00	0.00	0.00	
17,600.0	90.00	179.45	10,645.0	-6,342.9	-151.9	6,344.3	0.05	0.00	0.05	
17,601.0	90.00	179.45	10,645.0	-6,343.9	-151.9	6,345.3	0.00	0.00	0.00	
17,602.0	90.00	179.45	10,645.0	-6,344.9	-151.9	6,346.3	0.00	0.00	0.00	
17,603.0	90.00	179.45	10,645.0	-6,345.9	-151.9	6,347.3	0.00	0.00	0.00	
17,604.0	90.00	179.45	10,645.0	-6,346.9	-151.8	6,348.3	0.00	0.00	0.00	
17,605.0	90.00	179.45	10,645.0	-6,347.9	-151.8	6,349.3	0.00	0.00	0.00	
17,606.0	90.00	179.45	10,645.0	-6,348.9	-151.8	6,350.3	0.00	0.00	0.00	
17,607.0	90.00	179.45	10,645.0	-6,349.9	-151.8	6,351.3	0.00	0.00	0.00	
17,608.0	90.00	179.45	10,645.0	-6,350.9	-151.8	6,352.3	0.00	0.00	0.00	
17,609.0	90.00	179.45	10,645.0	-6,351.9	-151.8	6,353.3	0.00	0.00	0.00	
17,610.0	90.00	179.45	10,645.0	-6,352.9	-151.8	6,354.3	0.00	0.00	0.00	
17,611.0	90.00	179.45	10,645.0	-6,353.9	-151.8	6,355.3	0.00	0.00	0.00	
17,612.0	90.00	179.45	10,645.0	-6,354.9	-151.8	6,356.3	0.00	0.00	0.00	
17,613.0	90.00	179.45	10,645.0	-6,355.9	-151.8	6,357.3	0.00	0.00	0.00	
17,614.0	90.00	179.45	10,645.0	-6,356.9	-151.8	6,358.3	0.00	0.00	0.00	
17,615.0	90.00	179.45	10,645.0	-6,357.9	-151.7	6,359.3	0.00	0.00	0.00	
17,616.0	90.00	179.45	10,645.0	-6,358.9	-151.7	6,360.3	0.00	0.00	0.00	
17,617.0	90.00	179.45	10,645.0	-6,359.9	-151.7	6,361.3	0.00	0.00	0.00	
17,618.0	90.00	179.45	10,645.0	-6,360.9	-151.7	6,362.3	0.00	0.00	0.00	
17,619.0	90.00	179.45	10,645.0	-6,361.9	-151.7	6,363.3	0.00	0.00	0.00	
17,620.0	90.00	179.45	10,645.0	-6,362.9	-151.7	6,364.3	0.00	0.00	0.00	
17,621.0	90.00	179.45	10,645.0	-6,363.9	-151.7	6,365.3	0.00	0.00	0.00	
17,622.0	90.00	179.45	10,645.0	-6,364.9	-151.7	6,366.3	0.00	0.00	0.00	
17,623.0	90.00	179.45	10,645.0	-6,365.9	-151.7	6,367.3	0.00	0.00	0.00	
17,624.0	90.00	179.45	10,645.0	-6,366.9	-151.7	6,368.3	0.00	0.00	0.00	
17,625.0	90.00	179.45	10,645.0	-6,367.9	-151.6	6,369.3	0.00	0.00	0.00	
17,626.0	90.00	179.45	10,645.0	-6,368.9	-151.6	6,370.3	0.00	0.00	0.00	
17,627.0	90.00	179.45	10,645.0	-6,369.9	-151.6	6,371.3	0.00	0.00	0.00	
17,628.0	90.00	179.45	10,645.0	-6,370.9	-151.6	6,372.3	0.00	0.00	0.00	
17,629.0	90.00	179.45	10,645.0	-6,371.9	-151.6	6,373.3	0.00	0.00	0.00	
17,630.0	90.00	179.45	10,645.0	-6,372.9	-151.6	6,374.3	0.00	0.00	0.00	
17,631.0	90.00	179.45	10,645.0	-6,373.9	-151.6	6,375.3	0.00	0.00	0.00	
17,632.0	90.00	179.45	10,645.0	-6,374.9	-151.6	6,376.3	0.00	0.00	0.00	
17,633.0	90.00	179.45	10,645.0	-6,375.9	-151.6	6,377.3	0.00	0.00	0.00	
17,634.0	90.00	179.45	10,645.0	-6,376.9	-151.6	6,378.3	0.00	0.00	0.00	
17,635.0	90.00	179.45	10,645.0	-6,377.9	-151.6	6,379.3	0.00	0.00	0.00	
17,636.0	90.00	179.45	10,645.0	-6,378.9	-151.5	6,380.3	0.00	0.00	0.00	
17,637.0	90.00	179.45	10,645.0	-6,379.9	-151.5	6,381.3	0.00	0.00	0.00	
17,638.0	90.00	179.45	10,645.0	-6,380.9	-151.5	6,382.3	0.00	0.00	0.00	
17,639.0	90.00	179.45	10,645.0	-6,381.9	-151.5	6,383.3	0.00	0.00	0.00	
17,640.0	90.00	179.45	10,645.0	-6,382.9	-151.5	6,384.3	0.00	0.00	0.00	
17,641.0	90.00	179.45	10,645.0	-6,383.9	-151.5	6,385.3	0.00	0.00	0.00	
17,642.0	90.00	179.45	10,645.0	-6,384.9	-151.5	6,386.3	0.00	0.00	0.00	
17,643.0	90.00	179.45	10,645.0	-6,385.9	-151.5	6,387.3	0.00	0.00	0.00	
17,644.0	90.00	179.45	10,645.0	-6,386.9	-151.5	6,388.3	0.00	0.00	0.00	
17,645.0	90.00	179.45	10,645.0	-6,387.9	-151.5	6,389.3	0.00	0.00	0.00	
17,646.0	90.00	179.45	10,645.0	-6,388.9	-151.4	6,390.3	0.00	0.00	0.00	
17,647.0	90.00	179.45	10,645.0	-6,389.9	-151.4	6,391.3	0.00	0.00	0.00	
17,648.0	90.00	179.45	10,645.0	-6,390.9	-151.4	6,392.3	0.00	0.00	0.00	
17,649.0	90.00	179.45	10,645.0	-6,391.9	-151.4	6,393.3	0.00	0.00	0.00	
17,650.0	90.00	179.45	10,645.0	-6,392.9	-151.4	6,394.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,651.0	90.00	179.45	10,645.0	-6,393.9	-151.4	6,395.3	0.00	0.00	0.00	
17,652.0	90.00	179.45	10,645.0	-6,394.9	-151.4	6,396.3	0.00	0.00	0.00	
17,653.0	90.00	179.45	10,645.0	-6,395.9	-151.4	6,397.3	0.00	0.00	0.00	
17,654.0	90.00	179.45	10,645.0	-6,396.9	-151.4	6,398.3	0.00	0.00	0.00	
17,655.0	90.00	179.45	10,645.0	-6,397.9	-151.4	6,399.3	0.00	0.00	0.00	
17,656.0	90.00	179.45	10,645.0	-6,398.9	-151.4	6,400.3	0.00	0.00	0.00	
17,657.0	90.00	179.45	10,645.0	-6,399.9	-151.3	6,401.3	0.00	0.00	0.00	
17,658.0	90.00	179.45	10,645.0	-6,400.9	-151.3	6,402.3	0.00	0.00	0.00	
17,659.0	90.00	179.45	10,645.0	-6,401.9	-151.3	6,403.3	0.00	0.00	0.00	
17,660.0	90.00	179.45	10,645.0	-6,402.9	-151.3	6,404.3	0.00	0.00	0.00	
17,661.0	90.00	179.45	10,645.0	-6,403.9	-151.3	6,405.3	0.00	0.00	0.00	
17,662.0	90.00	179.45	10,645.0	-6,404.9	-151.3	6,406.3	0.00	0.00	0.00	
17,663.0	90.00	179.45	10,645.0	-6,405.9	-151.3	6,407.3	0.00	0.00	0.00	
17,664.0	90.00	179.45	10,645.0	-6,406.9	-151.3	6,408.3	0.00	0.00	0.00	
17,665.0	90.00	179.45	10,645.0	-6,407.9	-151.3	6,409.3	0.00	0.00	0.00	
17,666.0	90.00	179.45	10,645.0	-6,408.9	-151.3	6,410.3	0.00	0.00	0.00	
17,667.0	90.00	179.45	10,645.0	-6,409.9	-151.2	6,411.3	0.00	0.00	0.00	
17,668.0	90.00	179.45	10,645.0	-6,410.9	-151.2	6,412.3	0.00	0.00	0.00	
17,669.0	90.00	179.45	10,645.0	-6,411.9	-151.2	6,413.3	0.00	0.00	0.00	
17,670.0	90.00	179.45	10,645.0	-6,412.9	-151.2	6,414.3	0.00	0.00	0.00	
17,671.0	90.00	179.45	10,645.0	-6,413.9	-151.2	6,415.3	0.00	0.00	0.00	
17,672.0	90.00	179.45	10,645.0	-6,414.9	-151.2	6,416.3	0.00	0.00	0.00	
17,673.0	90.00	179.45	10,645.0	-6,415.9	-151.2	6,417.3	0.00	0.00	0.00	
17,674.0	90.00	179.45	10,645.0	-6,416.9	-151.2	6,418.3	0.00	0.00	0.00	
17,675.0	90.00	179.45	10,645.0	-6,417.9	-151.2	6,419.3	0.00	0.00	0.00	
17,676.0	90.00	179.45	10,645.0	-6,418.9	-151.2	6,420.3	0.00	0.00	0.00	
17,677.0	90.00	179.45	10,645.0	-6,419.9	-151.2	6,421.3	0.00	0.00	0.00	
17,678.0	90.00	179.45	10,645.0	-6,420.9	-151.1	6,422.3	0.00	0.00	0.00	
17,679.0	90.00	179.45	10,645.0	-6,421.9	-151.1	6,423.3	0.00	0.00	0.00	
17,680.0	90.00	179.45	10,645.0	-6,422.9	-151.1	6,424.3	0.00	0.00	0.00	
17,681.0	90.00	179.45	10,645.0	-6,423.9	-151.1	6,425.3	0.00	0.00	0.00	
17,682.0	90.00	179.45	10,645.0	-6,424.9	-151.1	6,426.3	0.00	0.00	0.00	
17,683.0	90.00	179.45	10,645.0	-6,425.9	-151.1	6,427.3	0.00	0.00	0.00	
17,684.0	90.00	179.45	10,645.0	-6,426.9	-151.1	6,428.3	0.00	0.00	0.00	
17,685.0	90.00	179.45	10,645.0	-6,427.9	-151.1	6,429.3	0.00	0.00	0.00	
17,686.0	90.00	179.45	10,645.0	-6,428.9	-151.1	6,430.3	0.00	0.00	0.00	
17,687.0	90.00	179.45	10,645.0	-6,429.9	-151.1	6,431.3	0.00	0.00	0.00	
17,688.0	90.00	179.45	10,645.0	-6,430.9	-151.0	6,432.3	0.00	0.00	0.00	
17,689.0	90.00	179.45	10,645.0	-6,431.9	-151.0	6,433.3	0.00	0.00	0.00	
17,690.0	90.00	179.45	10,645.0	-6,432.9	-151.0	6,434.3	0.00	0.00	0.00	
17,691.0	90.00	179.45	10,645.0	-6,433.9	-151.0	6,435.3	0.00	0.00	0.00	
17,692.0	90.00	179.45	10,645.0	-6,434.9	-151.0	6,436.3	0.00	0.00	0.00	
17,693.0	90.00	179.45	10,645.0	-6,435.9	-151.0	6,437.3	0.00	0.00	0.00	
17,694.0	90.00	179.45	10,645.0	-6,436.9	-151.0	6,438.3	0.00	0.00	0.00	
17,695.0	90.00	179.45	10,645.0	-6,437.9	-151.0	6,439.3	0.00	0.00	0.00	
17,696.0	90.00	179.45	10,645.0	-6,438.9	-151.0	6,440.3	0.00	0.00	0.00	
17,697.0	90.00	179.45	10,645.0	-6,439.9	-151.0	6,441.3	0.00	0.00	0.00	
17,698.0	90.00	179.45	10,645.0	-6,440.9	-150.9	6,442.3	0.00	0.00	0.00	
17,699.0	90.00	179.45	10,645.0	-6,441.9	-150.9	6,443.3	0.00	0.00	0.00	
17,700.0	90.00	179.45	10,645.0	-6,442.9	-150.9	6,444.3	0.05	0.00	0.05	
17,701.0	90.00	179.45	10,645.0	-6,443.9	-150.9	6,445.3	0.00	0.00	0.00	
17,702.0	90.00	179.45	10,645.0	-6,444.9	-150.9	6,446.3	0.00	0.00	0.00	
17,703.0	90.00	179.45	10,645.0	-6,445.9	-150.9	6,447.3	0.00	0.00	0.00	
17,704.0	90.00	179.45	10,645.0	-6,446.9	-150.9	6,448.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,705.0	90.00	179.45	10,645.0	-6,447.9	-150.9	6,449.3	0.00	0.00	0.00	
17,706.0	90.00	179.45	10,645.0	-6,448.9	-150.9	6,450.3	0.00	0.00	0.00	
17,707.0	90.00	179.45	10,645.0	-6,449.9	-150.9	6,451.3	0.00	0.00	0.00	
17,708.0	90.00	179.45	10,645.0	-6,450.9	-150.9	6,452.3	0.00	0.00	0.00	
17,709.0	90.00	179.45	10,645.0	-6,451.9	-150.8	6,453.3	0.00	0.00	0.00	
17,710.0	90.00	179.45	10,645.0	-6,452.9	-150.8	6,454.3	0.00	0.00	0.00	
17,711.0	90.00	179.45	10,645.0	-6,453.9	-150.8	6,455.3	0.00	0.00	0.00	
17,712.0	90.00	179.45	10,645.0	-6,454.9	-150.8	6,456.3	0.00	0.00	0.00	
17,713.0	90.00	179.45	10,645.0	-6,455.9	-150.8	6,457.3	0.00	0.00	0.00	
17,714.0	90.00	179.45	10,645.0	-6,456.9	-150.8	6,458.3	0.00	0.00	0.00	
17,715.0	90.00	179.45	10,645.0	-6,457.9	-150.8	6,459.3	0.00	0.00	0.00	
17,716.0	90.00	179.45	10,645.0	-6,458.9	-150.8	6,460.3	0.00	0.00	0.00	
17,717.0	90.00	179.45	10,645.0	-6,459.9	-150.8	6,461.3	0.00	0.00	0.00	
17,718.0	90.00	179.45	10,645.0	-6,460.9	-150.8	6,462.3	0.00	0.00	0.00	
17,719.0	90.00	179.45	10,645.0	-6,461.9	-150.7	6,463.3	0.00	0.00	0.00	
17,720.0	90.00	179.45	10,645.0	-6,462.9	-150.7	6,464.3	0.00	0.00	0.00	
17,721.0	90.00	179.45	10,645.0	-6,463.9	-150.7	6,465.3	0.00	0.00	0.00	
17,722.0	90.00	179.45	10,645.0	-6,464.9	-150.7	6,466.3	0.00	0.00	0.00	
17,723.0	90.00	179.45	10,645.0	-6,465.9	-150.7	6,467.3	0.00	0.00	0.00	
17,724.0	90.00	179.45	10,645.0	-6,466.9	-150.7	6,468.3	0.00	0.00	0.00	
17,725.0	90.00	179.45	10,645.0	-6,467.9	-150.7	6,469.3	0.00	0.00	0.00	
17,726.0	90.00	179.45	10,645.0	-6,468.9	-150.7	6,470.3	0.00	0.00	0.00	
17,727.0	90.00	179.45	10,645.0	-6,469.9	-150.7	6,471.3	0.00	0.00	0.00	
17,728.0	90.00	179.45	10,645.0	-6,470.9	-150.7	6,472.3	0.00	0.00	0.00	
17,729.0	90.00	179.45	10,645.0	-6,471.9	-150.7	6,473.3	0.00	0.00	0.00	
17,730.0	90.00	179.45	10,645.0	-6,472.9	-150.6	6,474.3	0.00	0.00	0.00	
17,731.0	90.00	179.45	10,645.0	-6,473.9	-150.6	6,475.3	0.00	0.00	0.00	
17,732.0	90.00	179.45	10,645.0	-6,474.9	-150.6	6,476.3	0.00	0.00	0.00	
17,733.0	90.00	179.45	10,645.0	-6,475.9	-150.6	6,477.3	0.00	0.00	0.00	
17,734.0	90.00	179.45	10,645.0	-6,476.9	-150.6	6,478.3	0.00	0.00	0.00	
17,735.0	90.00	179.45	10,645.0	-6,477.9	-150.6	6,479.3	0.00	0.00	0.00	
17,736.0	90.00	179.45	10,645.0	-6,478.9	-150.6	6,480.3	0.00	0.00	0.00	
17,737.0	90.00	179.45	10,645.0	-6,479.9	-150.6	6,481.3	0.00	0.00	0.00	
17,738.0	90.00	179.45	10,645.0	-6,480.9	-150.6	6,482.3	0.00	0.00	0.00	
17,739.0	90.00	179.45	10,645.0	-6,481.9	-150.6	6,483.3	0.00	0.00	0.00	
17,740.0	90.00	179.45	10,645.0	-6,482.9	-150.5	6,484.3	0.00	0.00	0.00	
17,741.0	90.00	179.45	10,645.0	-6,483.9	-150.5	6,485.3	0.00	0.00	0.00	
17,742.0	90.00	179.45	10,645.0	-6,484.9	-150.5	6,486.3	0.00	0.00	0.00	
17,743.0	90.00	179.45	10,645.0	-6,485.9	-150.5	6,487.3	0.00	0.00	0.00	
17,744.0	90.00	179.45	10,645.0	-6,486.9	-150.5	6,488.3	0.00	0.00	0.00	
17,745.0	90.00	179.45	10,645.0	-6,487.9	-150.5	6,489.3	0.00	0.00	0.00	
17,746.0	90.00	179.45	10,645.0	-6,488.9	-150.5	6,490.3	0.00	0.00	0.00	
17,747.0	90.00	179.45	10,645.0	-6,489.9	-150.5	6,491.3	0.00	0.00	0.00	
17,748.0	90.00	179.45	10,645.0	-6,490.9	-150.5	6,492.3	0.00	0.00	0.00	
17,749.0	90.00	179.45	10,645.0	-6,491.9	-150.5	6,493.3	0.00	0.00	0.00	
17,750.0	90.00	179.45	10,645.0	-6,492.9	-150.5	6,494.3	0.00	0.00	0.00	
17,751.0	90.00	179.45	10,645.0	-6,493.9	-150.4	6,495.3	0.00	0.00	0.00	
17,752.0	90.00	179.45	10,645.0	-6,494.9	-150.4	6,496.3	0.00	0.00	0.00	
17,753.0	90.00	179.45	10,645.0	-6,495.9	-150.4	6,497.3	0.00	0.00	0.00	
17,754.0	90.00	179.45	10,645.0	-6,496.9	-150.4	6,498.3	0.00	0.00	0.00	
17,755.0	90.00	179.45	10,645.0	-6,497.9	-150.4	6,499.3	0.00	0.00	0.00	
17,756.0	90.00	179.45	10,645.0	-6,498.9	-150.4	6,500.3	0.00	0.00	0.00	
17,757.0	90.00	179.45	10,645.0	-6,499.9	-150.4	6,501.3	0.00	0.00	0.00	
17,758.0	90.00	179.45	10,645.0	-6,500.9	-150.4	6,502.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,759.0	90.00	179.45	10,645.0	-6,501.9	-150.4	6,503.3	0.00	0.00	0.00
17,760.0	90.00	179.45	10,645.0	-6,502.9	-150.4	6,504.3	0.00	0.00	0.00
17,761.0	90.00	179.45	10,645.0	-6,503.9	-150.3	6,505.3	0.00	0.00	0.00
17,762.0	90.00	179.45	10,645.0	-6,504.9	-150.3	6,506.3	0.00	0.00	0.00
17,763.0	90.00	179.45	10,645.0	-6,505.9	-150.3	6,507.3	0.00	0.00	0.00
17,764.0	90.00	179.45	10,645.0	-6,506.9	-150.3	6,508.3	0.00	0.00	0.00
17,765.0	90.00	179.45	10,645.0	-6,507.9	-150.3	6,509.3	0.00	0.00	0.00
17,766.0	90.00	179.45	10,645.0	-6,508.9	-150.3	6,510.3	0.00	0.00	0.00
17,767.0	90.00	179.45	10,645.0	-6,509.9	-150.3	6,511.3	0.00	0.00	0.00
17,768.0	90.00	179.45	10,645.0	-6,510.9	-150.3	6,512.3	0.00	0.00	0.00
17,769.0	90.00	179.45	10,645.0	-6,511.9	-150.3	6,513.3	0.00	0.00	0.00
17,770.0	90.00	179.45	10,645.0	-6,512.9	-150.3	6,514.3	0.00	0.00	0.00
17,771.0	90.00	179.45	10,645.0	-6,513.9	-150.3	6,515.3	0.00	0.00	0.00
17,772.0	90.00	179.45	10,645.0	-6,514.9	-150.2	6,516.3	0.00	0.00	0.00
17,773.0	90.00	179.45	10,645.0	-6,515.9	-150.2	6,517.3	0.00	0.00	0.00
17,774.0	90.00	179.45	10,645.0	-6,516.9	-150.2	6,518.3	0.00	0.00	0.00
17,775.0	90.00	179.45	10,645.0	-6,517.9	-150.2	6,519.3	0.00	0.00	0.00
17,776.0	90.00	179.45	10,645.0	-6,518.9	-150.2	6,520.3	0.00	0.00	0.00
17,777.0	90.00	179.45	10,645.0	-6,519.9	-150.2	6,521.3	0.00	0.00	0.00
17,778.0	90.00	179.45	10,645.0	-6,520.9	-150.2	6,522.3	0.00	0.00	0.00
17,779.0	90.00	179.45	10,645.0	-6,521.9	-150.2	6,523.3	0.00	0.00	0.00
17,780.0	90.00	179.45	10,645.0	-6,522.9	-150.2	6,524.3	0.00	0.00	0.00
17,781.0	90.00	179.45	10,645.0	-6,523.9	-150.2	6,525.3	0.00	0.00	0.00
17,782.0	90.00	179.45	10,645.0	-6,524.9	-150.1	6,526.3	0.00	0.00	0.00
17,783.0	90.00	179.45	10,645.0	-6,525.9	-150.1	6,527.3	0.00	0.00	0.00
17,784.0	90.00	179.45	10,645.0	-6,526.9	-150.1	6,528.3	0.00	0.00	0.00
17,785.0	90.00	179.45	10,645.0	-6,527.9	-150.1	6,529.3	0.00	0.00	0.00
17,786.0	90.00	179.45	10,645.0	-6,528.9	-150.1	6,530.3	0.00	0.00	0.00
17,787.0	90.00	179.45	10,645.0	-6,529.9	-150.1	6,531.3	0.00	0.00	0.00
17,788.0	90.00	179.45	10,645.0	-6,530.9	-150.1	6,532.3	0.00	0.00	0.00
17,789.0	90.00	179.45	10,645.0	-6,531.9	-150.1	6,533.3	0.00	0.00	0.00
17,790.0	90.00	179.45	10,645.0	-6,532.9	-150.1	6,534.3	0.00	0.00	0.00
17,791.0	90.00	179.45	10,645.0	-6,533.9	-150.1	6,535.3	0.00	0.00	0.00
17,792.0	90.00	179.45	10,645.0	-6,534.9	-150.1	6,536.3	0.00	0.00	0.00
17,793.0	90.00	179.45	10,645.0	-6,535.9	-150.0	6,537.3	0.00	0.00	0.00
17,794.0	90.00	179.45	10,645.0	-6,536.9	-150.0	6,538.3	0.00	0.00	0.00
17,795.0	90.00	179.45	10,645.0	-6,537.9	-150.0	6,539.3	0.00	0.00	0.00
17,796.0	90.00	179.45	10,645.0	-6,538.9	-150.0	6,540.3	0.00	0.00	0.00
17,797.0	90.00	179.45	10,645.0	-6,539.9	-150.0	6,541.3	0.00	0.00	0.00
17,798.0	90.00	179.45	10,645.0	-6,540.9	-150.0	6,542.3	0.00	0.00	0.00
17,799.0	90.00	179.45	10,645.0	-6,541.9	-150.0	6,543.3	0.00	0.00	0.00
17,800.0	90.00	179.45	10,645.0	-6,542.9	-150.0	6,544.3	0.05	0.00	0.05
17,801.0	90.00	179.45	10,645.0	-6,543.9	-150.0	6,545.3	0.00	0.00	0.00
17,802.0	90.00	179.45	10,645.0	-6,544.9	-150.0	6,546.3	0.00	0.00	0.00
17,803.0	90.00	179.45	10,645.0	-6,545.9	-149.9	6,547.3	0.00	0.00	0.00
17,804.0	90.00	179.45	10,645.0	-6,546.9	-149.9	6,548.3	0.00	0.00	0.00
17,805.0	90.00	179.45	10,645.0	-6,547.9	-149.9	6,549.3	0.00	0.00	0.00
17,806.0	90.00	179.45	10,645.0	-6,548.9	-149.9	6,550.3	0.00	0.00	0.00
17,807.0	90.00	179.45	10,645.0	-6,549.9	-149.9	6,551.3	0.00	0.00	0.00
17,808.0	90.00	179.45	10,645.0	-6,550.9	-149.9	6,552.3	0.00	0.00	0.00
17,809.0	90.00	179.45	10,645.0	-6,551.9	-149.9	6,553.3	0.00	0.00	0.00
17,810.0	90.00	179.45	10,645.0	-6,552.9	-149.9	6,554.3	0.00	0.00	0.00
17,811.0	90.00	179.45	10,645.0	-6,553.9	-149.9	6,555.3	0.00	0.00	0.00
17,812.0	90.00	179.45	10,645.0	-6,554.9	-149.9	6,556.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,813.0	90.00	179.45	10,645.0	-6,555.9	-149.9	6,557.3	0.00	0.00	0.00
17,814.0	90.00	179.45	10,645.0	-6,556.9	-149.8	6,558.3	0.00	0.00	0.00
17,815.0	90.00	179.45	10,645.0	-6,557.9	-149.8	6,559.3	0.00	0.00	0.00
17,816.0	90.00	179.45	10,645.0	-6,558.9	-149.8	6,560.3	0.00	0.00	0.00
17,817.0	90.00	179.45	10,645.0	-6,559.9	-149.8	6,561.3	0.00	0.00	0.00
17,818.0	90.00	179.45	10,645.0	-6,560.9	-149.8	6,562.3	0.00	0.00	0.00
17,819.0	90.00	179.45	10,645.0	-6,561.9	-149.8	6,563.3	0.00	0.00	0.00
17,820.0	90.00	179.45	10,645.0	-6,562.9	-149.8	6,564.3	0.00	0.00	0.00
17,821.0	90.00	179.45	10,645.0	-6,563.9	-149.8	6,565.3	0.00	0.00	0.00
17,822.0	90.00	179.45	10,645.0	-6,564.9	-149.8	6,566.3	0.00	0.00	0.00
17,823.0	90.00	179.45	10,645.0	-6,565.9	-149.8	6,567.3	0.00	0.00	0.00
17,824.0	90.00	179.45	10,645.0	-6,566.9	-149.7	6,568.3	0.00	0.00	0.00
17,825.0	90.00	179.45	10,645.0	-6,567.9	-149.7	6,569.3	0.00	0.00	0.00
17,826.0	90.00	179.45	10,645.0	-6,568.9	-149.7	6,570.3	0.00	0.00	0.00
17,827.0	90.00	179.45	10,645.0	-6,569.9	-149.7	6,571.3	0.00	0.00	0.00
17,828.0	90.00	179.45	10,645.0	-6,570.9	-149.7	6,572.3	0.00	0.00	0.00
17,829.0	90.00	179.45	10,645.0	-6,571.9	-149.7	6,573.3	0.00	0.00	0.00
17,830.0	90.00	179.45	10,645.0	-6,572.9	-149.7	6,574.3	0.00	0.00	0.00
17,831.0	90.00	179.45	10,645.0	-6,573.9	-149.7	6,575.3	0.00	0.00	0.00
17,832.0	90.00	179.45	10,645.0	-6,574.9	-149.7	6,576.3	0.00	0.00	0.00
17,833.0	90.00	179.45	10,645.0	-6,575.9	-149.7	6,577.3	0.00	0.00	0.00
17,834.0	90.00	179.45	10,645.0	-6,576.9	-149.7	6,578.3	0.00	0.00	0.00
17,835.0	90.00	179.45	10,645.0	-6,577.9	-149.6	6,579.3	0.00	0.00	0.00
17,836.0	90.00	179.45	10,645.0	-6,578.9	-149.6	6,580.3	0.00	0.00	0.00
17,837.0	90.00	179.45	10,645.0	-6,579.9	-149.6	6,581.3	0.00	0.00	0.00
17,838.0	90.00	179.45	10,645.0	-6,580.9	-149.6	6,582.3	0.00	0.00	0.00
17,839.0	90.00	179.45	10,645.0	-6,581.9	-149.6	6,583.3	0.00	0.00	0.00
17,840.0	90.00	179.45	10,645.0	-6,582.9	-149.6	6,584.3	0.00	0.00	0.00
17,841.0	90.00	179.45	10,645.0	-6,583.9	-149.6	6,585.3	0.00	0.00	0.00
17,842.0	90.00	179.45	10,645.0	-6,584.9	-149.6	6,586.3	0.00	0.00	0.00
17,843.0	90.00	179.45	10,645.0	-6,585.9	-149.6	6,587.3	0.00	0.00	0.00
17,844.0	90.00	179.45	10,645.0	-6,586.9	-149.6	6,588.3	0.00	0.00	0.00
17,845.0	90.00	179.45	10,645.0	-6,587.9	-149.5	6,589.3	0.00	0.00	0.00
17,846.0	90.00	179.45	10,645.0	-6,588.9	-149.5	6,590.3	0.00	0.00	0.00
17,847.0	90.00	179.45	10,645.0	-6,589.9	-149.5	6,591.3	0.00	0.00	0.00
17,848.0	90.00	179.45	10,645.0	-6,590.9	-149.5	6,592.3	0.00	0.00	0.00
17,849.0	90.00	179.45	10,645.0	-6,591.9	-149.5	6,593.3	0.00	0.00	0.00
17,850.0	90.00	179.45	10,645.0	-6,592.9	-149.5	6,594.3	0.00	0.00	0.00
17,851.0	90.00	179.45	10,645.0	-6,593.9	-149.5	6,595.3	0.00	0.00	0.00
17,852.0	90.00	179.45	10,645.0	-6,594.9	-149.5	6,596.3	0.00	0.00	0.00
17,853.0	90.00	179.45	10,645.0	-6,595.9	-149.5	6,597.3	0.00	0.00	0.00
17,854.0	90.00	179.45	10,645.0	-6,596.9	-149.5	6,598.3	0.00	0.00	0.00
17,855.0	90.00	179.45	10,645.0	-6,597.9	-149.5	6,599.3	0.00	0.00	0.00
17,856.0	90.00	179.45	10,645.0	-6,598.9	-149.4	6,600.3	0.00	0.00	0.00
17,857.0	90.00	179.45	10,645.0	-6,599.9	-149.4	6,601.3	0.00	0.00	0.00
17,858.0	90.00	179.45	10,645.0	-6,600.9	-149.4	6,602.3	0.00	0.00	0.00
17,859.0	90.00	179.45	10,645.0	-6,601.9	-149.4	6,603.3	0.00	0.00	0.00
17,860.0	90.00	179.45	10,645.0	-6,602.9	-149.4	6,604.3	0.00	0.00	0.00
17,861.0	90.00	179.45	10,645.0	-6,603.9	-149.4	6,605.3	0.00	0.00	0.00
17,862.0	90.00	179.45	10,645.0	-6,604.9	-149.4	6,606.3	0.00	0.00	0.00
17,863.0	90.00	179.45	10,645.0	-6,605.9	-149.4	6,607.3	0.00	0.00	0.00
17,864.0	90.00	179.45	10,645.0	-6,606.9	-149.4	6,608.3	0.00	0.00	0.00
17,865.0	90.00	179.45	10,645.0	-6,607.9	-149.4	6,609.3	0.00	0.00	0.00
17,866.0	90.00	179.45	10,645.0	-6,608.9	-149.3	6,610.3	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,867.0	90.00	179.45	10,645.0	-6,609.9	-149.3	6,611.3	0.00	0.00	0.00	
17,868.0	90.00	179.45	10,645.0	-6,610.9	-149.3	6,612.3	0.00	0.00	0.00	
17,869.0	90.00	179.45	10,645.0	-6,611.9	-149.3	6,613.3	0.00	0.00	0.00	
17,870.0	90.00	179.45	10,645.0	-6,612.9	-149.3	6,614.3	0.00	0.00	0.00	
17,871.0	90.00	179.45	10,645.0	-6,613.9	-149.3	6,615.3	0.00	0.00	0.00	
17,872.0	90.00	179.45	10,645.0	-6,614.9	-149.3	6,616.3	0.00	0.00	0.00	
17,873.0	90.00	179.45	10,645.0	-6,615.9	-149.3	6,617.3	0.00	0.00	0.00	
17,874.0	90.00	179.45	10,645.0	-6,616.9	-149.3	6,618.3	0.00	0.00	0.00	
17,875.0	90.00	179.45	10,645.0	-6,617.9	-149.3	6,619.3	0.00	0.00	0.00	
17,876.0	90.00	179.45	10,645.0	-6,618.9	-149.3	6,620.3	0.00	0.00	0.00	
17,877.0	90.00	179.45	10,645.0	-6,619.9	-149.2	6,621.3	0.00	0.00	0.00	
17,878.0	90.00	179.45	10,645.0	-6,620.9	-149.2	6,622.3	0.00	0.00	0.00	
17,879.0	90.00	179.45	10,645.0	-6,621.9	-149.2	6,623.3	0.00	0.00	0.00	
17,880.0	90.00	179.45	10,645.0	-6,622.9	-149.2	6,624.3	0.00	0.00	0.00	
17,881.0	90.00	179.45	10,645.0	-6,623.9	-149.2	6,625.3	0.00	0.00	0.00	
17,882.0	90.00	179.45	10,645.0	-6,624.9	-149.2	6,626.3	0.00	0.00	0.00	
17,883.0	90.00	179.45	10,645.0	-6,625.9	-149.2	6,627.3	0.00	0.00	0.00	
17,884.0	90.00	179.45	10,645.0	-6,626.9	-149.2	6,628.3	0.00	0.00	0.00	
17,885.0	90.00	179.45	10,645.0	-6,627.9	-149.2	6,629.3	0.00	0.00	0.00	
17,886.0	90.00	179.45	10,645.0	-6,628.9	-149.2	6,630.3	0.00	0.00	0.00	
17,887.0	90.00	179.45	10,645.0	-6,629.9	-149.1	6,631.3	0.00	0.00	0.00	
17,888.0	90.00	179.45	10,645.0	-6,630.9	-149.1	6,632.3	0.00	0.00	0.00	
17,889.0	90.00	179.45	10,645.0	-6,631.9	-149.1	6,633.3	0.00	0.00	0.00	
17,890.0	90.00	179.45	10,645.0	-6,632.9	-149.1	6,634.3	0.00	0.00	0.00	
17,891.0	90.00	179.45	10,645.0	-6,633.9	-149.1	6,635.3	0.00	0.00	0.00	
17,892.0	90.00	179.45	10,645.0	-6,634.9	-149.1	6,636.3	0.00	0.00	0.00	
17,893.0	90.00	179.45	10,645.0	-6,635.9	-149.1	6,637.3	0.00	0.00	0.00	
17,894.0	90.00	179.45	10,645.0	-6,636.9	-149.1	6,638.3	0.00	0.00	0.00	
17,895.0	90.00	179.45	10,645.0	-6,637.9	-149.1	6,639.3	0.00	0.00	0.00	
17,896.0	90.00	179.45	10,645.0	-6,638.9	-149.1	6,640.3	0.00	0.00	0.00	
17,897.0	90.00	179.45	10,645.0	-6,639.9	-149.1	6,641.3	0.00	0.00	0.00	
17,898.0	90.00	179.45	10,645.0	-6,640.9	-149.0	6,642.3	0.00	0.00	0.00	
17,899.0	90.00	179.45	10,645.0	-6,641.9	-149.0	6,643.3	0.00	0.00	0.00	
17,900.0	90.00	179.45	10,645.0	-6,642.9	-149.0	6,644.3	0.05	0.00	0.05	
17,901.0	90.00	179.45	10,645.0	-6,643.9	-149.0	6,645.3	0.00	0.00	0.00	
17,902.0	90.00	179.45	10,645.0	-6,644.9	-149.0	6,646.3	0.00	0.00	0.00	
17,903.0	90.00	179.45	10,645.0	-6,645.9	-149.0	6,647.3	0.00	0.00	0.00	
17,904.0	90.00	179.45	10,645.0	-6,646.9	-149.0	6,648.3	0.00	0.00	0.00	
17,905.0	90.00	179.45	10,645.0	-6,647.9	-149.0	6,649.3	0.00	0.00	0.00	
17,906.0	90.00	179.45	10,645.0	-6,648.9	-149.0	6,650.3	0.00	0.00	0.00	
17,907.0	90.00	179.45	10,645.0	-6,649.9	-149.0	6,651.3	0.00	0.00	0.00	
17,908.0	90.00	179.45	10,645.0	-6,650.9	-148.9	6,652.3	0.00	0.00	0.00	
17,909.0	90.00	179.45	10,645.0	-6,651.9	-148.9	6,653.3	0.00	0.00	0.00	
17,910.0	90.00	179.45	10,645.0	-6,652.9	-148.9	6,654.3	0.00	0.00	0.00	
17,911.0	90.00	179.45	10,645.0	-6,653.9	-148.9	6,655.3	0.00	0.00	0.00	
17,912.0	90.00	179.45	10,645.0	-6,654.9	-148.9	6,656.3	0.00	0.00	0.00	
17,913.0	90.00	179.45	10,645.0	-6,655.9	-148.9	6,657.3	0.00	0.00	0.00	
17,914.0	90.00	179.45	10,645.0	-6,656.9	-148.9	6,658.3	0.00	0.00	0.00	
17,915.0	90.00	179.45	10,645.0	-6,657.9	-148.9	6,659.3	0.00	0.00	0.00	
17,916.0	90.00	179.45	10,645.0	-6,658.9	-148.9	6,660.3	0.00	0.00	0.00	
17,917.0	90.00	179.45	10,645.0	-6,659.9	-148.9	6,661.3	0.00	0.00	0.00	
17,918.0	90.00	179.45	10,645.0	-6,660.9	-148.9	6,662.3	0.00	0.00	0.00	
17,919.0	90.00	179.45	10,645.0	-6,661.9	-148.8	6,663.3	0.00	0.00	0.00	
17,920.0	90.00	179.45	10,645.0	-6,662.9	-148.8	6,664.3	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,921.0	90.00	179.45	10,645.0	-6,663.9	-148.8	6,665.3	0.00	0.00	0.00
17,922.0	90.00	179.45	10,645.0	-6,664.9	-148.8	6,666.3	0.00	0.00	0.00
17,923.0	90.00	179.45	10,645.0	-6,665.9	-148.8	6,667.3	0.00	0.00	0.00
17,924.0	90.00	179.45	10,645.0	-6,666.9	-148.8	6,668.3	0.00	0.00	0.00
17,925.0	90.00	179.45	10,645.0	-6,667.9	-148.8	6,669.3	0.00	0.00	0.00
17,926.0	90.00	179.45	10,645.0	-6,668.9	-148.8	6,670.3	0.00	0.00	0.00
17,927.0	90.00	179.45	10,645.0	-6,669.9	-148.8	6,671.3	0.00	0.00	0.00
17,928.0	90.00	179.45	10,645.0	-6,670.9	-148.8	6,672.3	0.00	0.00	0.00
17,929.0	90.00	179.45	10,645.0	-6,671.9	-148.7	6,673.3	0.00	0.00	0.00
17,930.0	90.00	179.45	10,645.0	-6,672.9	-148.7	6,674.3	0.00	0.00	0.00
17,931.0	90.00	179.45	10,645.0	-6,673.9	-148.7	6,675.3	0.00	0.00	0.00
17,932.0	90.00	179.45	10,645.0	-6,674.9	-148.7	6,676.3	0.00	0.00	0.00
17,933.0	90.00	179.45	10,645.0	-6,675.9	-148.7	6,677.3	0.00	0.00	0.00
17,934.0	90.00	179.45	10,645.0	-6,676.9	-148.7	6,678.3	0.00	0.00	0.00
17,935.0	90.00	179.45	10,645.0	-6,677.9	-148.7	6,679.3	0.00	0.00	0.00
17,936.0	90.00	179.45	10,645.0	-6,678.9	-148.7	6,680.3	0.00	0.00	0.00
17,937.0	90.00	179.45	10,645.0	-6,679.9	-148.7	6,681.3	0.00	0.00	0.00
17,938.0	90.00	179.45	10,645.0	-6,680.9	-148.7	6,682.3	0.00	0.00	0.00
17,939.0	90.00	179.45	10,645.0	-6,681.9	-148.7	6,683.2	0.00	0.00	0.00
17,940.0	90.00	179.45	10,645.0	-6,682.9	-148.6	6,684.2	0.00	0.00	0.00
17,941.0	90.00	179.45	10,645.0	-6,683.9	-148.6	6,685.2	0.00	0.00	0.00
17,942.0	90.00	179.45	10,645.0	-6,684.9	-148.6	6,686.2	0.00	0.00	0.00
17,943.0	90.00	179.45	10,645.0	-6,685.9	-148.6	6,687.2	0.00	0.00	0.00
17,944.0	90.00	179.45	10,645.0	-6,686.9	-148.6	6,688.2	0.00	0.00	0.00
17,945.0	90.00	179.45	10,645.0	-6,687.9	-148.6	6,689.2	0.00	0.00	0.00
17,946.0	90.00	179.45	10,645.0	-6,688.9	-148.6	6,690.2	0.00	0.00	0.00
17,947.0	90.00	179.45	10,645.0	-6,689.9	-148.6	6,691.2	0.00	0.00	0.00
17,948.0	90.00	179.45	10,645.0	-6,690.9	-148.6	6,692.2	0.00	0.00	0.00
17,949.0	90.00	179.45	10,645.0	-6,691.9	-148.6	6,693.2	0.00	0.00	0.00
17,950.0	90.00	179.45	10,645.0	-6,692.9	-148.5	6,694.2	0.00	0.00	0.00
17,951.0	90.00	179.45	10,645.0	-6,693.9	-148.5	6,695.2	0.00	0.00	0.00
17,952.0	90.00	179.45	10,645.0	-6,694.9	-148.5	6,696.2	0.00	0.00	0.00
17,953.0	90.00	179.45	10,645.0	-6,695.9	-148.5	6,697.2	0.00	0.00	0.00
17,954.0	90.00	179.45	10,645.0	-6,696.9	-148.5	6,698.2	0.00	0.00	0.00
17,955.0	90.00	179.45	10,645.0	-6,697.9	-148.5	6,699.2	0.00	0.00	0.00
17,956.0	90.00	179.45	10,645.0	-6,698.9	-148.5	6,700.2	0.00	0.00	0.00
17,957.0	90.00	179.45	10,645.0	-6,699.9	-148.5	6,701.2	0.00	0.00	0.00
17,958.0	90.00	179.45	10,645.0	-6,700.9	-148.5	6,702.2	0.00	0.00	0.00
17,959.0	90.00	179.45	10,645.0	-6,701.9	-148.5	6,703.2	0.00	0.00	0.00
17,960.0	90.00	179.45	10,645.0	-6,702.9	-148.5	6,704.2	0.00	0.00	0.00
17,961.0	90.00	179.45	10,645.0	-6,703.9	-148.4	6,705.2	0.00	0.00	0.00
17,962.0	90.00	179.45	10,645.0	-6,704.9	-148.4	6,706.2	0.00	0.00	0.00
17,963.0	90.00	179.45	10,645.0	-6,705.9	-148.4	6,707.2	0.00	0.00	0.00
17,964.0	90.00	179.45	10,645.0	-6,706.9	-148.4	6,708.2	0.00	0.00	0.00
17,965.0	90.00	179.45	10,645.0	-6,707.9	-148.4	6,709.2	0.00	0.00	0.00
17,966.0	90.00	179.45	10,645.0	-6,708.9	-148.4	6,710.2	0.00	0.00	0.00
17,967.0	90.00	179.45	10,645.0	-6,709.9	-148.4	6,711.2	0.00	0.00	0.00
17,968.0	90.00	179.45	10,645.0	-6,710.9	-148.4	6,712.2	0.00	0.00	0.00
17,969.0	90.00	179.45	10,645.0	-6,711.9	-148.4	6,713.2	0.00	0.00	0.00
17,970.0	90.00	179.45	10,645.0	-6,712.9	-148.4	6,714.2	0.00	0.00	0.00
17,971.0	90.00	179.45	10,645.0	-6,713.9	-148.3	6,715.2	0.00	0.00	0.00
17,972.0	90.00	179.45	10,645.0	-6,714.9	-148.3	6,716.2	0.00	0.00	0.00
17,973.0	90.00	179.45	10,645.0	-6,715.9	-148.3	6,717.2	0.00	0.00	0.00
17,974.0	90.00	179.45	10,645.0	-6,716.9	-148.3	6,718.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,975.0	90.00	179.45	10,645.0	-6,717.9	-148.3	6,719.2	0.00	0.00	0.00
17,976.0	90.00	179.45	10,645.0	-6,718.9	-148.3	6,720.2	0.00	0.00	0.00
17,977.0	90.00	179.45	10,645.0	-6,719.9	-148.3	6,721.2	0.00	0.00	0.00
17,978.0	90.00	179.45	10,645.0	-6,720.9	-148.3	6,722.2	0.00	0.00	0.00
17,979.0	90.00	179.45	10,645.0	-6,721.9	-148.3	6,723.2	0.00	0.00	0.00
17,980.0	90.00	179.45	10,645.0	-6,722.9	-148.3	6,724.2	0.00	0.00	0.00
17,981.0	90.00	179.45	10,645.0	-6,723.9	-148.3	6,725.2	0.00	0.00	0.00
17,982.0	90.00	179.45	10,645.0	-6,724.9	-148.2	6,726.2	0.00	0.00	0.00
17,983.0	90.00	179.45	10,645.0	-6,725.9	-148.2	6,727.2	0.00	0.00	0.00
17,984.0	90.00	179.45	10,645.0	-6,726.9	-148.2	6,728.2	0.00	0.00	0.00
17,985.0	90.00	179.45	10,645.0	-6,727.9	-148.2	6,729.2	0.00	0.00	0.00
17,986.0	90.00	179.45	10,645.0	-6,728.9	-148.2	6,730.2	0.00	0.00	0.00
17,987.0	90.00	179.45	10,645.0	-6,729.9	-148.2	6,731.2	0.00	0.00	0.00
17,988.0	90.00	179.45	10,645.0	-6,730.9	-148.2	6,732.2	0.00	0.00	0.00
17,989.0	90.00	179.45	10,645.0	-6,731.9	-148.2	6,733.2	0.00	0.00	0.00
17,990.0	90.00	179.45	10,645.0	-6,732.9	-148.2	6,734.2	0.00	0.00	0.00
17,991.0	90.00	179.45	10,645.0	-6,733.9	-148.2	6,735.2	0.00	0.00	0.00
17,992.0	90.00	179.45	10,645.0	-6,734.9	-148.1	6,736.2	0.00	0.00	0.00
17,993.0	90.00	179.45	10,645.0	-6,735.9	-148.1	6,737.2	0.00	0.00	0.00
17,994.0	90.00	179.45	10,645.0	-6,736.9	-148.1	6,738.2	0.00	0.00	0.00
17,995.0	90.00	179.45	10,645.0	-6,737.9	-148.1	6,739.2	0.00	0.00	0.00
17,996.0	90.00	179.45	10,645.0	-6,738.9	-148.1	6,740.2	0.00	0.00	0.00
17,997.0	90.00	179.45	10,645.0	-6,739.9	-148.1	6,741.2	0.00	0.00	0.00
17,998.0	90.00	179.45	10,645.0	-6,740.9	-148.1	6,742.2	0.00	0.00	0.00
17,999.0	90.00	179.45	10,645.0	-6,741.9	-148.1	6,743.2	0.00	0.00	0.00
18,000.0	90.00	179.45	10,645.0	-6,742.9	-148.1	6,744.2	0.05	0.00	0.05
18,001.0	90.00	179.45	10,645.0	-6,743.9	-148.1	6,745.2	0.00	0.00	0.00
18,002.0	90.00	179.45	10,645.0	-6,744.9	-148.1	6,746.2	0.00	0.00	0.00
18,003.0	90.00	179.45	10,645.0	-6,745.9	-148.0	6,747.2	0.00	0.00	0.00
18,004.0	90.00	179.45	10,645.0	-6,746.9	-148.0	6,748.2	0.00	0.00	0.00
18,005.0	90.00	179.45	10,645.0	-6,747.9	-148.0	6,749.2	0.00	0.00	0.00
18,006.0	90.00	179.45	10,645.0	-6,748.9	-148.0	6,750.2	0.00	0.00	0.00
18,007.0	90.00	179.45	10,645.0	-6,749.9	-148.0	6,751.2	0.00	0.00	0.00
18,008.0	90.00	179.45	10,645.0	-6,750.9	-148.0	6,752.2	0.00	0.00	0.00
18,009.0	90.00	179.45	10,645.0	-6,751.9	-148.0	6,753.2	0.00	0.00	0.00
18,010.0	90.00	179.45	10,645.0	-6,752.9	-148.0	6,754.2	0.00	0.00	0.00
18,011.0	90.00	179.45	10,645.0	-6,753.9	-148.0	6,755.2	0.00	0.00	0.00
18,012.0	90.00	179.45	10,645.0	-6,754.9	-148.0	6,756.2	0.00	0.00	0.00
18,013.0	90.00	179.45	10,645.0	-6,755.9	-147.9	6,757.2	0.00	0.00	0.00
18,014.0	90.00	179.45	10,645.0	-6,756.9	-147.9	6,758.2	0.00	0.00	0.00
18,015.0	90.00	179.45	10,645.0	-6,757.9	-147.9	6,759.2	0.00	0.00	0.00
18,016.0	90.00	179.45	10,645.0	-6,758.9	-147.9	6,760.2	0.00	0.00	0.00
18,017.0	90.00	179.45	10,645.0	-6,759.9	-147.9	6,761.2	0.00	0.00	0.00
18,018.0	90.00	179.45	10,645.0	-6,760.9	-147.9	6,762.2	0.00	0.00	0.00
18,019.0	90.00	179.45	10,645.0	-6,761.9	-147.9	6,763.2	0.00	0.00	0.00
18,020.0	90.00	179.45	10,645.0	-6,762.9	-147.9	6,764.2	0.00	0.00	0.00
18,021.0	90.00	179.45	10,645.0	-6,763.9	-147.9	6,765.2	0.00	0.00	0.00
18,022.0	90.00	179.45	10,645.0	-6,764.9	-147.9	6,766.2	0.00	0.00	0.00
18,023.0	90.00	179.45	10,645.0	-6,765.9	-147.9	6,767.2	0.00	0.00	0.00
18,024.0	90.00	179.45	10,645.0	-6,766.9	-147.8	6,768.2	0.00	0.00	0.00
18,025.0	90.00	179.45	10,645.0	-6,767.9	-147.8	6,769.2	0.00	0.00	0.00
18,026.0	90.00	179.45	10,645.0	-6,768.9	-147.8	6,770.2	0.00	0.00	0.00
18,027.0	90.00	179.45	10,645.0	-6,769.9	-147.8	6,771.2	0.00	0.00	0.00
18,028.0	90.00	179.45	10,645.0	-6,770.9	-147.8	6,772.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,029.0	90.00	179.45	10,645.0	-6,771.9	-147.8	6,773.2	0.00	0.00	0.00
18,030.0	90.00	179.45	10,645.0	-6,772.9	-147.8	6,774.2	0.00	0.00	0.00
18,031.0	90.00	179.45	10,645.0	-6,773.9	-147.8	6,775.2	0.00	0.00	0.00
18,032.0	90.00	179.45	10,645.0	-6,774.9	-147.8	6,776.2	0.00	0.00	0.00
18,033.0	90.00	179.45	10,645.0	-6,775.9	-147.8	6,777.2	0.00	0.00	0.00
18,034.0	90.00	179.45	10,645.0	-6,776.9	-147.7	6,778.2	0.00	0.00	0.00
18,035.0	90.00	179.45	10,645.0	-6,777.9	-147.7	6,779.2	0.00	0.00	0.00
18,036.0	90.00	179.45	10,645.0	-6,778.9	-147.7	6,780.2	0.00	0.00	0.00
18,037.0	90.00	179.45	10,645.0	-6,779.9	-147.7	6,781.2	0.00	0.00	0.00
18,038.0	90.00	179.45	10,645.0	-6,780.9	-147.7	6,782.2	0.00	0.00	0.00
18,039.0	90.00	179.45	10,645.0	-6,781.9	-147.7	6,783.2	0.00	0.00	0.00
18,040.0	90.00	179.45	10,645.0	-6,782.9	-147.7	6,784.2	0.00	0.00	0.00
18,041.0	90.00	179.45	10,645.0	-6,783.9	-147.7	6,785.2	0.00	0.00	0.00
18,042.0	90.00	179.45	10,645.0	-6,784.9	-147.7	6,786.2	0.00	0.00	0.00
18,043.0	90.00	179.45	10,645.0	-6,785.9	-147.7	6,787.2	0.00	0.00	0.00
18,044.0	90.00	179.45	10,645.0	-6,786.9	-147.7	6,788.2	0.00	0.00	0.00
18,045.0	90.00	179.45	10,645.0	-6,787.9	-147.6	6,789.2	0.00	0.00	0.00
18,046.0	90.00	179.45	10,645.0	-6,788.9	-147.6	6,790.2	0.00	0.00	0.00
18,047.0	90.00	179.45	10,645.0	-6,789.9	-147.6	6,791.2	0.00	0.00	0.00
18,048.0	90.00	179.45	10,645.0	-6,790.9	-147.6	6,792.2	0.00	0.00	0.00
18,049.0	90.00	179.45	10,645.0	-6,791.9	-147.6	6,793.2	0.00	0.00	0.00
18,050.0	90.00	179.45	10,645.0	-6,792.9	-147.6	6,794.2	0.00	0.00	0.00
18,051.0	90.00	179.45	10,645.0	-6,793.9	-147.6	6,795.2	0.00	0.00	0.00
18,052.0	90.00	179.45	10,645.0	-6,794.9	-147.6	6,796.2	0.00	0.00	0.00
18,053.0	90.00	179.45	10,645.0	-6,795.9	-147.6	6,797.2	0.00	0.00	0.00
18,054.0	90.00	179.45	10,645.0	-6,796.9	-147.6	6,798.2	0.00	0.00	0.00
18,055.0	90.00	179.45	10,645.0	-6,797.9	-147.5	6,799.2	0.00	0.00	0.00
18,056.0	90.00	179.45	10,645.0	-6,798.9	-147.5	6,800.2	0.00	0.00	0.00
18,057.0	90.00	179.45	10,645.0	-6,799.9	-147.5	6,801.2	0.00	0.00	0.00
18,058.0	90.00	179.45	10,645.0	-6,800.9	-147.5	6,802.2	0.00	0.00	0.00
18,059.0	90.00	179.45	10,645.0	-6,801.9	-147.5	6,803.2	0.00	0.00	0.00
18,060.0	90.00	179.45	10,645.0	-6,802.9	-147.5	6,804.2	0.00	0.00	0.00
18,061.0	90.00	179.45	10,645.0	-6,803.9	-147.5	6,805.2	0.00	0.00	0.00
18,062.0	90.00	179.45	10,645.0	-6,804.9	-147.5	6,806.2	0.00	0.00	0.00
18,063.0	90.00	179.45	10,645.0	-6,805.9	-147.5	6,807.2	0.00	0.00	0.00
18,064.0	90.00	179.45	10,645.0	-6,806.9	-147.5	6,808.2	0.00	0.00	0.00
18,065.0	90.00	179.45	10,645.0	-6,807.9	-147.5	6,809.2	0.00	0.00	0.00
18,066.0	90.00	179.45	10,645.0	-6,808.9	-147.4	6,810.2	0.00	0.00	0.00
18,067.0	90.00	179.45	10,645.0	-6,809.9	-147.4	6,811.2	0.00	0.00	0.00
18,068.0	90.00	179.45	10,645.0	-6,810.9	-147.4	6,812.2	0.00	0.00	0.00
18,069.0	90.00	179.45	10,645.0	-6,811.9	-147.4	6,813.2	0.00	0.00	0.00
18,070.0	90.00	179.45	10,645.0	-6,812.9	-147.4	6,814.2	0.00	0.00	0.00
18,071.0	90.00	179.45	10,645.0	-6,813.9	-147.4	6,815.2	0.00	0.00	0.00
18,072.0	90.00	179.45	10,645.0	-6,814.9	-147.4	6,816.2	0.00	0.00	0.00
18,073.0	90.00	179.45	10,645.0	-6,815.9	-147.4	6,817.2	0.00	0.00	0.00
18,074.0	90.00	179.45	10,645.0	-6,816.9	-147.4	6,818.2	0.00	0.00	0.00
18,075.0	90.00	179.45	10,645.0	-6,817.9	-147.4	6,819.2	0.00	0.00	0.00
18,076.0	90.00	179.45	10,645.0	-6,818.9	-147.4	6,820.2	0.00	0.00	0.00
18,077.0	90.00	179.45	10,645.0	-6,819.9	-147.3	6,821.2	0.00	0.00	0.00
18,078.0	90.00	179.45	10,645.0	-6,820.9	-147.3	6,822.2	0.00	0.00	0.00
18,079.0	90.00	179.45	10,645.0	-6,821.9	-147.3	6,823.2	0.00	0.00	0.00
18,080.0	90.00	179.45	10,645.0	-6,822.9	-147.3	6,824.2	0.00	0.00	0.00
18,081.0	90.00	179.45	10,645.0	-6,823.9	-147.3	6,825.2	0.00	0.00	0.00
18,082.0	90.00	179.45	10,645.0	-6,824.9	-147.3	6,826.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,083.0	90.00	179.45	10,645.0	-6,825.9	-147.3	6,827.2	0.00	0.00	0.00
18,084.0	90.00	179.45	10,645.0	-6,826.9	-147.3	6,828.2	0.00	0.00	0.00
18,085.0	90.00	179.45	10,645.0	-6,827.9	-147.3	6,829.2	0.00	0.00	0.00
18,086.0	90.00	179.45	10,645.0	-6,828.9	-147.3	6,830.2	0.00	0.00	0.00
18,087.0	90.00	179.45	10,645.0	-6,829.9	-147.2	6,831.2	0.00	0.00	0.00
18,088.0	90.00	179.45	10,645.0	-6,830.9	-147.2	6,832.2	0.00	0.00	0.00
18,089.0	90.00	179.45	10,645.0	-6,831.9	-147.2	6,833.2	0.00	0.00	0.00
18,090.0	90.00	179.45	10,645.0	-6,832.9	-147.2	6,834.2	0.00	0.00	0.00
18,091.0	90.00	179.45	10,645.0	-6,833.9	-147.2	6,835.2	0.00	0.00	0.00
18,092.0	90.00	179.45	10,645.0	-6,834.9	-147.2	6,836.2	0.00	0.00	0.00
18,093.0	90.00	179.45	10,645.0	-6,835.9	-147.2	6,837.2	0.00	0.00	0.00
18,094.0	90.00	179.45	10,645.0	-6,836.9	-147.2	6,838.2	0.00	0.00	0.00
18,095.0	90.00	179.45	10,645.0	-6,837.9	-147.2	6,839.2	0.00	0.00	0.00
18,096.0	90.00	179.45	10,645.0	-6,838.9	-147.2	6,840.2	0.00	0.00	0.00
18,097.0	90.00	179.45	10,645.0	-6,839.9	-147.2	6,841.2	0.00	0.00	0.00
18,098.0	90.00	179.45	10,645.0	-6,840.9	-147.1	6,842.2	0.00	0.00	0.00
18,099.0	90.00	179.45	10,645.0	-6,841.9	-147.1	6,843.2	0.00	0.00	0.00
18,100.0	90.00	179.46	10,645.0	-6,842.9	-147.1	6,844.2	0.05	0.00	0.05
18,101.0	90.00	179.46	10,645.0	-6,843.9	-147.1	6,845.2	0.00	0.00	0.00
18,102.0	90.00	179.46	10,645.0	-6,844.9	-147.1	6,846.2	0.00	0.00	0.00
18,103.0	90.00	179.46	10,645.0	-6,845.9	-147.1	6,847.2	0.00	0.00	0.00
18,104.0	90.00	179.46	10,645.0	-6,846.9	-147.1	6,848.2	0.00	0.00	0.00
18,105.0	90.00	179.46	10,645.0	-6,847.9	-147.1	6,849.2	0.00	0.00	0.00
18,106.0	90.00	179.46	10,645.0	-6,848.9	-147.1	6,850.2	0.00	0.00	0.00
18,107.0	90.00	179.46	10,645.0	-6,849.9	-147.1	6,851.2	0.00	0.00	0.00
18,108.0	90.00	179.46	10,645.0	-6,850.9	-147.0	6,852.2	0.00	0.00	0.00
18,109.0	90.00	179.46	10,645.0	-6,851.9	-147.0	6,853.2	0.00	0.00	0.00
18,110.0	90.00	179.46	10,645.0	-6,852.9	-147.0	6,854.2	0.00	0.00	0.00
18,111.0	90.00	179.46	10,645.0	-6,853.9	-147.0	6,855.2	0.00	0.00	0.00
18,112.0	90.00	179.46	10,645.0	-6,854.9	-147.0	6,856.2	0.00	0.00	0.00
18,113.0	90.00	179.46	10,645.0	-6,855.9	-147.0	6,857.2	0.00	0.00	0.00
18,114.0	90.00	179.46	10,645.0	-6,856.9	-147.0	6,858.2	0.00	0.00	0.00
18,115.0	90.00	179.46	10,645.0	-6,857.9	-147.0	6,859.2	0.00	0.00	0.00
18,116.0	90.00	179.46	10,645.0	-6,858.9	-147.0	6,860.2	0.00	0.00	0.00
18,117.0	90.00	179.46	10,645.0	-6,859.9	-147.0	6,861.2	0.00	0.00	0.00
18,118.0	90.00	179.46	10,645.0	-6,860.9	-147.0	6,862.2	0.00	0.00	0.00
18,119.0	90.00	179.46	10,645.0	-6,861.9	-146.9	6,863.2	0.00	0.00	0.00
18,120.0	90.00	179.46	10,645.0	-6,862.9	-146.9	6,864.2	0.00	0.00	0.00
18,121.0	90.00	179.46	10,645.0	-6,863.9	-146.9	6,865.2	0.00	0.00	0.00
18,122.0	90.00	179.46	10,645.0	-6,864.9	-146.9	6,866.2	0.00	0.00	0.00
18,123.0	90.00	179.46	10,645.0	-6,865.9	-146.9	6,867.2	0.00	0.00	0.00
18,124.0	90.00	179.46	10,645.0	-6,866.9	-146.9	6,868.2	0.00	0.00	0.00
18,125.0	90.00	179.46	10,645.0	-6,867.9	-146.9	6,869.2	0.00	0.00	0.00
18,126.0	90.00	179.46	10,645.0	-6,868.9	-146.9	6,870.2	0.00	0.00	0.00
18,127.0	90.00	179.46	10,645.0	-6,869.9	-146.9	6,871.2	0.00	0.00	0.00
18,128.0	90.00	179.46	10,645.0	-6,870.9	-146.9	6,872.2	0.00	0.00	0.00
18,129.0	90.00	179.46	10,645.0	-6,871.9	-146.8	6,873.2	0.00	0.00	0.00
18,130.0	90.00	179.46	10,645.0	-6,872.9	-146.8	6,874.2	0.00	0.00	0.00
18,131.0	90.00	179.46	10,645.0	-6,873.9	-146.8	6,875.2	0.00	0.00	0.00
18,132.0	90.00	179.46	10,645.0	-6,874.9	-146.8	6,876.2	0.00	0.00	0.00
18,133.0	90.00	179.46	10,645.0	-6,875.9	-146.8	6,877.2	0.00	0.00	0.00
18,134.0	90.00	179.46	10,645.0	-6,876.9	-146.8	6,878.2	0.00	0.00	0.00
18,135.0	90.00	179.46	10,645.0	-6,877.9	-146.8	6,879.2	0.00	0.00	0.00
18,136.0	90.00	179.46	10,645.0	-6,878.9	-146.8	6,880.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,137.0	90.00	179.46	10,645.0	-6,879.9	-146.8	6,881.2	0.00	0.00	0.00
18,138.0	90.00	179.46	10,645.0	-6,880.9	-146.8	6,882.2	0.00	0.00	0.00
18,139.0	90.00	179.46	10,645.0	-6,881.9	-146.8	6,883.2	0.00	0.00	0.00
18,140.0	90.00	179.46	10,645.0	-6,882.9	-146.7	6,884.2	0.00	0.00	0.00
18,141.0	90.00	179.46	10,645.0	-6,883.9	-146.7	6,885.2	0.00	0.00	0.00
18,142.0	90.00	179.46	10,645.0	-6,884.9	-146.7	6,886.2	0.00	0.00	0.00
18,143.0	90.00	179.46	10,645.0	-6,885.9	-146.7	6,887.2	0.00	0.00	0.00
18,144.0	90.00	179.46	10,645.0	-6,886.9	-146.7	6,888.2	0.00	0.00	0.00
18,145.0	90.00	179.46	10,645.0	-6,887.9	-146.7	6,889.2	0.00	0.00	0.00
18,146.0	90.00	179.46	10,645.0	-6,888.9	-146.7	6,890.2	0.00	0.00	0.00
18,147.0	90.00	179.46	10,645.0	-6,889.9	-146.7	6,891.2	0.00	0.00	0.00
18,148.0	90.00	179.46	10,645.0	-6,890.9	-146.7	6,892.2	0.00	0.00	0.00
18,149.0	90.00	179.46	10,645.0	-6,891.9	-146.7	6,893.2	0.00	0.00	0.00
18,150.0	90.00	179.46	10,645.0	-6,892.9	-146.6	6,894.2	0.00	0.00	0.00
18,151.0	90.00	179.46	10,645.0	-6,893.9	-146.6	6,895.2	0.00	0.00	0.00
18,152.0	90.00	179.46	10,645.0	-6,894.9	-146.6	6,896.2	0.00	0.00	0.00
18,153.0	90.00	179.46	10,645.0	-6,895.9	-146.6	6,897.2	0.00	0.00	0.00
18,154.0	90.00	179.46	10,645.0	-6,896.9	-146.6	6,898.2	0.00	0.00	0.00
18,155.0	90.00	179.46	10,645.0	-6,897.9	-146.6	6,899.2	0.00	0.00	0.00
18,156.0	90.00	179.46	10,645.0	-6,898.9	-146.6	6,900.2	0.00	0.00	0.00
18,157.0	90.00	179.46	10,645.0	-6,899.9	-146.6	6,901.2	0.00	0.00	0.00
18,158.0	90.00	179.46	10,645.0	-6,900.9	-146.6	6,902.2	0.00	0.00	0.00
18,159.0	90.00	179.46	10,645.0	-6,901.9	-146.6	6,903.2	0.00	0.00	0.00
18,160.0	90.00	179.46	10,645.0	-6,902.9	-146.6	6,904.2	0.00	0.00	0.00
18,161.0	90.00	179.46	10,645.0	-6,903.9	-146.5	6,905.2	0.00	0.00	0.00
18,162.0	90.00	179.46	10,645.0	-6,904.9	-146.5	6,906.2	0.00	0.00	0.00
18,163.0	90.00	179.46	10,645.0	-6,905.9	-146.5	6,907.2	0.00	0.00	0.00
18,164.0	90.00	179.46	10,645.0	-6,906.9	-146.5	6,908.2	0.00	0.00	0.00
18,165.0	90.00	179.46	10,645.0	-6,907.9	-146.5	6,909.2	0.00	0.00	0.00
18,166.0	90.00	179.46	10,645.0	-6,908.9	-146.5	6,910.2	0.00	0.00	0.00
18,167.0	90.00	179.46	10,645.0	-6,909.9	-146.5	6,911.2	0.00	0.00	0.00
18,168.0	90.00	179.46	10,645.0	-6,910.9	-146.5	6,912.2	0.00	0.00	0.00
18,169.0	90.00	179.46	10,645.0	-6,911.9	-146.5	6,913.2	0.00	0.00	0.00
18,170.0	90.00	179.46	10,645.0	-6,912.9	-146.5	6,914.2	0.00	0.00	0.00
18,171.0	90.00	179.46	10,645.0	-6,913.9	-146.4	6,915.2	0.00	0.00	0.00
18,172.0	90.00	179.46	10,645.0	-6,914.9	-146.4	6,916.2	0.00	0.00	0.00
18,173.0	90.00	179.46	10,645.0	-6,915.9	-146.4	6,917.2	0.00	0.00	0.00
18,174.0	90.00	179.46	10,645.0	-6,916.9	-146.4	6,918.2	0.00	0.00	0.00
18,175.0	90.00	179.46	10,645.0	-6,917.9	-146.4	6,919.2	0.00	0.00	0.00
18,176.0	90.00	179.46	10,645.0	-6,918.9	-146.4	6,920.2	0.00	0.00	0.00
18,177.0	90.00	179.46	10,645.0	-6,919.9	-146.4	6,921.2	0.00	0.00	0.00
18,178.0	90.00	179.46	10,645.0	-6,920.9	-146.4	6,922.2	0.00	0.00	0.00
18,179.0	90.00	179.46	10,645.0	-6,921.9	-146.4	6,923.2	0.00	0.00	0.00
18,180.0	90.00	179.46	10,645.0	-6,922.9	-146.4	6,924.2	0.00	0.00	0.00
18,181.0	90.00	179.46	10,645.0	-6,923.9	-146.4	6,925.2	0.00	0.00	0.00
18,182.0	90.00	179.46	10,645.0	-6,924.9	-146.3	6,926.2	0.00	0.00	0.00
18,183.0	90.00	179.46	10,645.0	-6,925.9	-146.3	6,927.2	0.00	0.00	0.00
18,184.0	90.00	179.46	10,645.0	-6,926.9	-146.3	6,928.2	0.00	0.00	0.00
18,185.0	90.00	179.46	10,645.0	-6,927.9	-146.3	6,929.2	0.00	0.00	0.00
18,186.0	90.00	179.46	10,645.0	-6,928.9	-146.3	6,930.2	0.00	0.00	0.00
18,187.0	90.00	179.46	10,645.0	-6,929.9	-146.3	6,931.2	0.00	0.00	0.00
18,188.0	90.00	179.46	10,645.0	-6,930.9	-146.3	6,932.2	0.00	0.00	0.00
18,189.0	90.00	179.46	10,645.0	-6,931.9	-146.3	6,933.2	0.00	0.00	0.00
18,190.0	90.00	179.46	10,645.0	-6,932.9	-146.3	6,934.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,191.0	90.00	179.46	10,645.0	-6,933.9	-146.3	6,935.2	0.00	0.00	0.00
18,192.0	90.00	179.46	10,645.0	-6,934.9	-146.2	6,936.2	0.00	0.00	0.00
18,193.0	90.00	179.46	10,645.0	-6,935.9	-146.2	6,937.2	0.00	0.00	0.00
18,194.0	90.00	179.46	10,645.0	-6,936.9	-146.2	6,938.2	0.00	0.00	0.00
18,195.0	90.00	179.46	10,645.0	-6,937.9	-146.2	6,939.2	0.00	0.00	0.00
18,196.0	90.00	179.46	10,645.0	-6,938.9	-146.2	6,940.2	0.00	0.00	0.00
18,197.0	90.00	179.46	10,645.0	-6,939.9	-146.2	6,941.2	0.00	0.00	0.00
18,198.0	90.00	179.46	10,645.0	-6,940.9	-146.2	6,942.2	0.00	0.00	0.00
18,199.0	90.00	179.46	10,645.0	-6,941.9	-146.2	6,943.2	0.00	0.00	0.00
18,200.0	90.00	179.46	10,645.0	-6,942.9	-146.2	6,944.2	0.05	0.00	0.05
18,201.0	90.00	179.46	10,645.0	-6,943.9	-146.2	6,945.2	0.00	0.00	0.00
18,202.0	90.00	179.46	10,645.0	-6,944.9	-146.2	6,946.2	0.00	0.00	0.00
18,203.0	90.00	179.46	10,645.0	-6,945.9	-146.1	6,947.2	0.00	0.00	0.00
18,204.0	90.00	179.46	10,645.0	-6,946.9	-146.1	6,948.2	0.00	0.00	0.00
18,205.0	90.00	179.46	10,645.0	-6,947.9	-146.1	6,949.2	0.00	0.00	0.00
18,206.0	90.00	179.46	10,645.0	-6,948.9	-146.1	6,950.2	0.00	0.00	0.00
18,207.0	90.00	179.46	10,645.0	-6,949.9	-146.1	6,951.2	0.00	0.00	0.00
18,208.0	90.00	179.46	10,645.0	-6,950.9	-146.1	6,952.2	0.00	0.00	0.00
18,209.0	90.00	179.46	10,645.0	-6,951.9	-146.1	6,953.2	0.00	0.00	0.00
18,210.0	90.00	179.46	10,645.0	-6,952.9	-146.1	6,954.2	0.00	0.00	0.00
18,211.0	90.00	179.46	10,645.0	-6,953.9	-146.1	6,955.2	0.00	0.00	0.00
18,212.0	90.00	179.46	10,645.0	-6,954.9	-146.1	6,956.2	0.00	0.00	0.00
18,213.0	90.00	179.46	10,645.0	-6,955.9	-146.0	6,957.2	0.00	0.00	0.00
18,214.0	90.00	179.46	10,645.0	-6,956.9	-146.0	6,958.2	0.00	0.00	0.00
18,215.0	90.00	179.46	10,645.0	-6,957.9	-146.0	6,959.2	0.00	0.00	0.00
18,216.0	90.00	179.46	10,645.0	-6,958.9	-146.0	6,960.2	0.00	0.00	0.00
18,217.0	90.00	179.46	10,645.0	-6,959.9	-146.0	6,961.2	0.00	0.00	0.00
18,218.0	90.00	179.46	10,645.0	-6,960.9	-146.0	6,962.2	0.00	0.00	0.00
18,219.0	90.00	179.46	10,645.0	-6,961.9	-146.0	6,963.2	0.00	0.00	0.00
18,220.0	90.00	179.46	10,645.0	-6,962.9	-146.0	6,964.2	0.00	0.00	0.00
18,221.0	90.00	179.46	10,645.0	-6,963.9	-146.0	6,965.2	0.00	0.00	0.00
18,222.0	90.00	179.46	10,645.0	-6,964.9	-146.0	6,966.2	0.00	0.00	0.00
18,223.0	90.00	179.46	10,645.0	-6,965.9	-146.0	6,967.2	0.00	0.00	0.00
18,224.0	90.00	179.46	10,645.0	-6,966.9	-145.9	6,968.2	0.00	0.00	0.00
18,225.0	90.00	179.46	10,645.0	-6,967.9	-145.9	6,969.2	0.00	0.00	0.00
18,226.0	90.00	179.46	10,645.0	-6,968.9	-145.9	6,970.2	0.00	0.00	0.00
18,227.0	90.00	179.46	10,645.0	-6,969.9	-145.9	6,971.2	0.00	0.00	0.00
18,228.0	90.00	179.46	10,645.0	-6,970.9	-145.9	6,972.2	0.00	0.00	0.00
18,229.0	90.00	179.46	10,645.0	-6,971.9	-145.9	6,973.2	0.00	0.00	0.00
18,230.0	90.00	179.46	10,645.0	-6,972.9	-145.9	6,974.2	0.00	0.00	0.00
18,231.0	90.00	179.46	10,645.0	-6,973.9	-145.9	6,975.2	0.00	0.00	0.00
18,232.0	90.00	179.46	10,645.0	-6,974.9	-145.9	6,976.2	0.00	0.00	0.00
18,233.0	90.00	179.46	10,645.0	-6,975.9	-145.9	6,977.2	0.00	0.00	0.00
18,234.0	90.00	179.46	10,645.0	-6,976.9	-145.8	6,978.2	0.00	0.00	0.00
18,235.0	90.00	179.46	10,645.0	-6,977.9	-145.8	6,979.2	0.00	0.00	0.00
18,236.0	90.00	179.46	10,645.0	-6,978.9	-145.8	6,980.2	0.00	0.00	0.00
18,237.0	90.00	179.46	10,645.0	-6,979.9	-145.8	6,981.2	0.00	0.00	0.00
18,238.0	90.00	179.46	10,645.0	-6,980.9	-145.8	6,982.2	0.00	0.00	0.00
18,239.0	90.00	179.46	10,645.0	-6,981.9	-145.8	6,983.2	0.00	0.00	0.00
18,240.0	90.00	179.46	10,645.0	-6,982.9	-145.8	6,984.2	0.00	0.00	0.00
18,241.0	90.00	179.46	10,645.0	-6,983.9	-145.8	6,985.2	0.00	0.00	0.00
18,242.0	90.00	179.46	10,645.0	-6,984.9	-145.8	6,986.2	0.00	0.00	0.00
18,243.0	90.00	179.46	10,645.0	-6,985.9	-145.8	6,987.2	0.00	0.00	0.00
18,244.0	90.00	179.46	10,645.0	-6,986.9	-145.8	6,988.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,245.0	90.00	179.46	10,645.0	-6,987.9	-145.7	6,989.2	0.00	0.00	0.00
18,246.0	90.00	179.46	10,645.0	-6,988.9	-145.7	6,990.2	0.00	0.00	0.00
18,247.0	90.00	179.46	10,645.0	-6,989.9	-145.7	6,991.2	0.00	0.00	0.00
18,248.0	90.00	179.46	10,645.0	-6,990.9	-145.7	6,992.2	0.00	0.00	0.00
18,249.0	90.00	179.46	10,645.0	-6,991.9	-145.7	6,993.2	0.00	0.00	0.00
18,250.0	90.00	179.46	10,645.0	-6,992.9	-145.7	6,994.2	0.00	0.00	0.00
18,251.0	90.00	179.46	10,645.0	-6,993.9	-145.7	6,995.2	0.00	0.00	0.00
18,252.0	90.00	179.46	10,645.0	-6,994.9	-145.7	6,996.2	0.00	0.00	0.00
18,253.0	90.00	179.46	10,645.0	-6,995.9	-145.7	6,997.2	0.00	0.00	0.00
18,254.0	90.00	179.46	10,645.0	-6,996.9	-145.7	6,998.2	0.00	0.00	0.00
18,255.0	90.00	179.46	10,645.0	-6,997.9	-145.7	6,999.2	0.00	0.00	0.00
18,256.0	90.00	179.46	10,645.0	-6,998.9	-145.6	7,000.2	0.00	0.00	0.00
18,257.0	90.00	179.46	10,645.0	-6,999.9	-145.6	7,001.2	0.00	0.00	0.00
18,258.0	90.00	179.46	10,645.0	-7,000.9	-145.6	7,002.2	0.00	0.00	0.00
18,259.0	90.00	179.46	10,645.0	-7,001.9	-145.6	7,003.2	0.00	0.00	0.00
18,260.0	90.00	179.46	10,645.0	-7,002.9	-145.6	7,004.2	0.00	0.00	0.00
18,261.0	90.00	179.46	10,645.0	-7,003.9	-145.6	7,005.2	0.00	0.00	0.00
18,262.0	90.00	179.46	10,645.0	-7,004.9	-145.6	7,006.2	0.00	0.00	0.00
18,263.0	90.00	179.46	10,645.0	-7,005.9	-145.6	7,007.2	0.00	0.00	0.00
18,264.0	90.00	179.46	10,645.0	-7,006.9	-145.6	7,008.2	0.00	0.00	0.00
18,265.0	90.00	179.46	10,645.0	-7,007.9	-145.6	7,009.2	0.00	0.00	0.00
18,266.0	90.00	179.46	10,645.0	-7,008.9	-145.5	7,010.2	0.00	0.00	0.00
18,267.0	90.00	179.46	10,645.0	-7,009.9	-145.5	7,011.2	0.00	0.00	0.00
18,268.0	90.00	179.46	10,645.0	-7,010.9	-145.5	7,012.2	0.00	0.00	0.00
18,269.0	90.00	179.46	10,645.0	-7,011.9	-145.5	7,013.2	0.00	0.00	0.00
18,270.0	90.00	179.46	10,645.0	-7,012.9	-145.5	7,014.2	0.00	0.00	0.00
18,271.0	90.00	179.46	10,645.0	-7,013.9	-145.5	7,015.2	0.00	0.00	0.00
18,272.0	90.00	179.46	10,645.0	-7,014.9	-145.5	7,016.2	0.00	0.00	0.00
18,273.0	90.00	179.46	10,645.0	-7,015.9	-145.5	7,017.2	0.00	0.00	0.00
18,274.0	90.00	179.46	10,645.0	-7,016.9	-145.5	7,018.2	0.00	0.00	0.00
18,275.0	90.00	179.46	10,645.0	-7,017.9	-145.5	7,019.2	0.00	0.00	0.00
18,276.0	90.00	179.46	10,645.0	-7,018.9	-145.5	7,020.2	0.00	0.00	0.00
18,277.0	90.00	179.46	10,645.0	-7,019.9	-145.4	7,021.2	0.00	0.00	0.00
18,278.0	90.00	179.46	10,645.0	-7,020.9	-145.4	7,022.2	0.00	0.00	0.00
18,279.0	90.00	179.46	10,645.0	-7,021.9	-145.4	7,023.2	0.00	0.00	0.00
18,280.0	90.00	179.46	10,645.0	-7,022.9	-145.4	7,024.2	0.00	0.00	0.00
18,281.0	90.00	179.46	10,645.0	-7,023.9	-145.4	7,025.2	0.00	0.00	0.00
18,282.0	90.00	179.46	10,645.0	-7,024.9	-145.4	7,026.2	0.00	0.00	0.00
18,283.0	90.00	179.46	10,645.0	-7,025.9	-145.4	7,027.2	0.00	0.00	0.00
18,284.0	90.00	179.46	10,645.0	-7,026.9	-145.4	7,028.2	0.00	0.00	0.00
18,285.0	90.00	179.46	10,645.0	-7,027.9	-145.4	7,029.2	0.00	0.00	0.00
18,286.0	90.00	179.46	10,645.0	-7,028.9	-145.4	7,030.2	0.00	0.00	0.00
18,287.0	90.00	179.46	10,645.0	-7,029.9	-145.3	7,031.2	0.00	0.00	0.00
18,288.0	90.00	179.46	10,645.0	-7,030.9	-145.3	7,032.2	0.00	0.00	0.00
18,289.0	90.00	179.46	10,645.0	-7,031.9	-145.3	7,033.2	0.00	0.00	0.00
18,290.0	90.00	179.46	10,645.0	-7,032.9	-145.3	7,034.2	0.00	0.00	0.00
18,291.0	90.00	179.46	10,645.0	-7,033.9	-145.3	7,035.2	0.00	0.00	0.00
18,292.0	90.00	179.46	10,645.0	-7,034.9	-145.3	7,036.2	0.00	0.00	0.00
18,293.0	90.00	179.46	10,645.0	-7,035.9	-145.3	7,037.2	0.00	0.00	0.00
18,294.0	90.00	179.46	10,645.0	-7,036.9	-145.3	7,038.2	0.00	0.00	0.00
18,295.0	90.00	179.46	10,645.0	-7,037.9	-145.3	7,039.2	0.00	0.00	0.00
18,296.0	90.00	179.46	10,645.0	-7,038.9	-145.3	7,040.2	0.00	0.00	0.00
18,297.0	90.00	179.46	10,645.0	-7,039.9	-145.3	7,041.2	0.00	0.00	0.00
18,298.0	90.00	179.46	10,645.0	-7,040.9	-145.2	7,042.2	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,299.0	90.00	179.46	10,645.0	-7,041.9	-145.2	7,043.2	0.00	0.00	0.00
18,300.0	90.00	179.46	10,645.0	-7,042.9	-145.2	7,044.2	0.05	0.00	0.05
18,301.0	90.00	179.46	10,645.0	-7,043.9	-145.2	7,045.2	0.00	0.00	0.00
18,302.0	90.00	179.46	10,645.0	-7,044.9	-145.2	7,046.2	0.00	0.00	0.00
18,303.0	90.00	179.46	10,645.0	-7,045.9	-145.2	7,047.2	0.00	0.00	0.00
18,304.0	90.00	179.46	10,645.0	-7,046.9	-145.2	7,048.2	0.00	0.00	0.00
18,305.0	90.00	179.46	10,645.0	-7,047.9	-145.2	7,049.2	0.00	0.00	0.00
18,306.0	90.00	179.46	10,645.0	-7,048.9	-145.2	7,050.2	0.00	0.00	0.00
18,307.0	90.00	179.46	10,645.0	-7,049.9	-145.2	7,051.2	0.00	0.00	0.00
18,308.0	90.00	179.46	10,645.0	-7,050.9	-145.1	7,052.2	0.00	0.00	0.00
18,309.0	90.00	179.46	10,645.0	-7,051.9	-145.1	7,053.2	0.00	0.00	0.00
18,310.0	90.00	179.46	10,645.0	-7,052.9	-145.1	7,054.2	0.00	0.00	0.00
18,311.0	90.00	179.46	10,645.0	-7,053.9	-145.1	7,055.2	0.00	0.00	0.00
18,312.0	90.00	179.46	10,645.0	-7,054.9	-145.1	7,056.2	0.00	0.00	0.00
18,313.0	90.00	179.46	10,645.0	-7,055.9	-145.1	7,057.2	0.00	0.00	0.00
18,314.0	90.00	179.46	10,645.0	-7,056.9	-145.1	7,058.2	0.00	0.00	0.00
18,315.0	90.00	179.46	10,645.0	-7,057.9	-145.1	7,059.2	0.00	0.00	0.00
18,316.0	90.00	179.46	10,645.0	-7,058.9	-145.1	7,060.2	0.00	0.00	0.00
18,317.0	90.00	179.46	10,645.0	-7,059.9	-145.1	7,061.2	0.00	0.00	0.00
18,318.0	90.00	179.46	10,645.0	-7,060.9	-145.1	7,062.2	0.00	0.00	0.00
18,319.0	90.00	179.46	10,645.0	-7,061.9	-145.0	7,063.2	0.00	0.00	0.00
18,320.0	90.00	179.46	10,645.0	-7,062.9	-145.0	7,064.2	0.00	0.00	0.00
18,321.0	90.00	179.46	10,645.0	-7,063.9	-145.0	7,065.2	0.00	0.00	0.00
18,322.0	90.00	179.46	10,645.0	-7,064.9	-145.0	7,066.2	0.00	0.00	0.00
18,323.0	90.00	179.46	10,645.0	-7,065.9	-145.0	7,067.2	0.00	0.00	0.00
18,324.0	90.00	179.46	10,645.0	-7,066.9	-145.0	7,068.2	0.00	0.00	0.00
18,325.0	90.00	179.46	10,645.0	-7,067.9	-145.0	7,069.2	0.00	0.00	0.00
18,326.0	90.00	179.46	10,645.0	-7,068.9	-145.0	7,070.2	0.00	0.00	0.00
18,327.0	90.00	179.46	10,645.0	-7,069.9	-145.0	7,071.2	0.00	0.00	0.00
18,328.0	90.00	179.46	10,645.0	-7,070.9	-145.0	7,072.2	0.00	0.00	0.00
18,329.0	90.00	179.46	10,645.0	-7,071.9	-144.9	7,073.2	0.00	0.00	0.00
18,330.0	90.00	179.46	10,645.0	-7,072.9	-144.9	7,074.2	0.00	0.00	0.00
18,331.0	90.00	179.46	10,645.0	-7,073.9	-144.9	7,075.2	0.00	0.00	0.00
18,332.0	90.00	179.46	10,645.0	-7,074.9	-144.9	7,076.2	0.00	0.00	0.00
18,333.0	90.00	179.46	10,645.0	-7,075.9	-144.9	7,077.2	0.00	0.00	0.00
18,334.0	90.00	179.46	10,645.0	-7,076.9	-144.9	7,078.2	0.00	0.00	0.00
18,335.0	90.00	179.46	10,645.0	-7,077.9	-144.9	7,079.2	0.00	0.00	0.00
18,336.0	90.00	179.46	10,645.0	-7,078.9	-144.9	7,080.2	0.00	0.00	0.00
18,337.0	90.00	179.46	10,645.0	-7,079.9	-144.9	7,081.2	0.00	0.00	0.00
18,338.0	90.00	179.46	10,645.0	-7,080.9	-144.9	7,082.2	0.00	0.00	0.00
18,339.0	90.00	179.46	10,645.0	-7,081.9	-144.9	7,083.2	0.00	0.00	0.00
18,340.0	90.00	179.46	10,645.0	-7,082.9	-144.8	7,084.2	0.00	0.00	0.00
18,341.0	90.00	179.46	10,645.0	-7,083.9	-144.8	7,085.2	0.00	0.00	0.00
18,342.0	90.00	179.46	10,645.0	-7,084.9	-144.8	7,086.2	0.00	0.00	0.00
18,343.0	90.00	179.46	10,645.0	-7,085.9	-144.8	7,087.2	0.00	0.00	0.00
18,344.0	90.00	179.46	10,645.0	-7,086.9	-144.8	7,088.2	0.00	0.00	0.00
18,345.0	90.00	179.46	10,645.0	-7,087.9	-144.8	7,089.2	0.00	0.00	0.00
18,346.0	90.00	179.46	10,645.0	-7,088.9	-144.8	7,090.2	0.00	0.00	0.00
18,347.0	90.00	179.46	10,645.0	-7,089.9	-144.8	7,091.2	0.00	0.00	0.00
18,348.0	90.00	179.46	10,645.0	-7,090.9	-144.8	7,092.2	0.00	0.00	0.00
18,349.0	90.00	179.46	10,645.0	-7,091.9	-144.8	7,093.1	0.00	0.00	0.00
18,350.0	90.00	179.46	10,645.0	-7,092.9	-144.7	7,094.1	0.00	0.00	0.00
18,351.0	90.00	179.46	10,645.0	-7,093.9	-144.7	7,095.1	0.00	0.00	0.00
18,352.0	90.00	179.46	10,645.0	-7,094.9	-144.7	7,096.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,353.0	90.00	179.46	10,645.0	-7,095.9	-144.7	7,097.1	0.00	0.00	0.00
18,354.0	90.00	179.46	10,645.0	-7,096.9	-144.7	7,098.1	0.00	0.00	0.00
18,355.0	90.00	179.46	10,645.0	-7,097.9	-144.7	7,099.1	0.00	0.00	0.00
18,356.0	90.00	179.46	10,645.0	-7,098.9	-144.7	7,100.1	0.00	0.00	0.00
18,357.0	90.00	179.46	10,645.0	-7,099.9	-144.7	7,101.1	0.00	0.00	0.00
18,358.0	90.00	179.46	10,645.0	-7,100.9	-144.7	7,102.1	0.00	0.00	0.00
18,359.0	90.00	179.46	10,645.0	-7,101.9	-144.7	7,103.1	0.00	0.00	0.00
18,360.0	90.00	179.46	10,645.0	-7,102.9	-144.7	7,104.1	0.00	0.00	0.00
18,361.0	90.00	179.46	10,645.0	-7,103.9	-144.6	7,105.1	0.00	0.00	0.00
18,362.0	90.00	179.46	10,645.0	-7,104.9	-144.6	7,106.1	0.00	0.00	0.00
18,363.0	90.00	179.46	10,645.0	-7,105.9	-144.6	7,107.1	0.00	0.00	0.00
18,364.0	90.00	179.46	10,645.0	-7,106.9	-144.6	7,108.1	0.00	0.00	0.00
18,365.0	90.00	179.46	10,645.0	-7,107.9	-144.6	7,109.1	0.00	0.00	0.00
18,366.0	90.00	179.46	10,645.0	-7,108.9	-144.6	7,110.1	0.00	0.00	0.00
18,367.0	90.00	179.46	10,645.0	-7,109.9	-144.6	7,111.1	0.00	0.00	0.00
18,368.0	90.00	179.46	10,645.0	-7,110.9	-144.6	7,112.1	0.00	0.00	0.00
18,369.0	90.00	179.46	10,645.0	-7,111.9	-144.6	7,113.1	0.00	0.00	0.00
18,370.0	90.00	179.46	10,645.0	-7,112.9	-144.6	7,114.1	0.00	0.00	0.00
18,371.0	90.00	179.46	10,645.0	-7,113.9	-144.5	7,115.1	0.00	0.00	0.00
18,372.0	90.00	179.46	10,645.0	-7,114.9	-144.5	7,116.1	0.00	0.00	0.00
18,373.0	90.00	179.46	10,645.0	-7,115.9	-144.5	7,117.1	0.00	0.00	0.00
18,374.0	90.00	179.46	10,645.0	-7,116.9	-144.5	7,118.1	0.00	0.00	0.00
18,375.0	90.00	179.46	10,645.0	-7,117.9	-144.5	7,119.1	0.00	0.00	0.00
18,376.0	90.00	179.46	10,645.0	-7,118.9	-144.5	7,120.1	0.00	0.00	0.00
18,377.0	90.00	179.46	10,645.0	-7,119.9	-144.5	7,121.1	0.00	0.00	0.00
18,378.0	90.00	179.46	10,645.0	-7,120.9	-144.5	7,122.1	0.00	0.00	0.00
18,379.0	90.00	179.46	10,645.0	-7,121.9	-144.5	7,123.1	0.00	0.00	0.00
18,380.0	90.00	179.46	10,645.0	-7,122.9	-144.5	7,124.1	0.00	0.00	0.00
18,381.0	90.00	179.46	10,645.0	-7,123.9	-144.5	7,125.1	0.00	0.00	0.00
18,382.0	90.00	179.46	10,645.0	-7,124.9	-144.4	7,126.1	0.00	0.00	0.00
18,383.0	90.00	179.46	10,645.0	-7,125.9	-144.4	7,127.1	0.00	0.00	0.00
18,384.0	90.00	179.46	10,645.0	-7,126.9	-144.4	7,128.1	0.00	0.00	0.00
18,385.0	90.00	179.46	10,645.0	-7,127.9	-144.4	7,129.1	0.00	0.00	0.00
18,386.0	90.00	179.46	10,645.0	-7,128.9	-144.4	7,130.1	0.00	0.00	0.00
18,387.0	90.00	179.46	10,645.0	-7,129.9	-144.4	7,131.1	0.00	0.00	0.00
18,388.0	90.00	179.46	10,645.0	-7,130.9	-144.4	7,132.1	0.00	0.00	0.00
18,389.0	90.00	179.46	10,645.0	-7,131.9	-144.4	7,133.1	0.00	0.00	0.00
18,390.0	90.00	179.46	10,645.0	-7,132.9	-144.4	7,134.1	0.00	0.00	0.00
18,391.0	90.00	179.46	10,645.0	-7,133.9	-144.4	7,135.1	0.00	0.00	0.00
18,392.0	90.00	179.46	10,645.0	-7,134.9	-144.4	7,136.1	0.00	0.00	0.00
18,393.0	90.00	179.46	10,645.0	-7,135.9	-144.3	7,137.1	0.00	0.00	0.00
18,394.0	90.00	179.46	10,645.0	-7,136.9	-144.3	7,138.1	0.00	0.00	0.00
18,395.0	90.00	179.46	10,645.0	-7,137.9	-144.3	7,139.1	0.00	0.00	0.00
18,396.0	90.00	179.46	10,645.0	-7,138.9	-144.3	7,140.1	0.00	0.00	0.00
18,397.0	90.00	179.46	10,645.0	-7,139.9	-144.3	7,141.1	0.00	0.00	0.00
18,398.0	90.00	179.46	10,645.0	-7,140.9	-144.3	7,142.1	0.00	0.00	0.00
18,399.0	90.00	179.46	10,645.0	-7,141.9	-144.3	7,143.1	0.00	0.00	0.00
18,400.0	90.00	179.46	10,645.0	-7,142.9	-144.3	7,144.1	0.05	0.00	0.05
18,401.0	90.00	179.46	10,645.0	-7,143.9	-144.3	7,145.1	0.00	0.00	0.00
18,402.0	90.00	179.46	10,645.0	-7,144.9	-144.3	7,146.1	0.00	0.00	0.00
18,403.0	90.00	179.46	10,645.0	-7,145.9	-144.2	7,147.1	0.00	0.00	0.00
18,404.0	90.00	179.46	10,645.0	-7,146.9	-144.2	7,148.1	0.00	0.00	0.00
18,405.0	90.00	179.46	10,645.0	-7,147.9	-144.2	7,149.1	0.00	0.00	0.00
18,406.0	90.00	179.46	10,645.0	-7,148.9	-144.2	7,150.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,407.0	90.00	179.46	10,645.0	-7,149.9	-144.2	7,151.1	0.00	0.00	0.00
18,408.0	90.00	179.46	10,645.0	-7,150.9	-144.2	7,152.1	0.00	0.00	0.00
18,409.0	90.00	179.46	10,645.0	-7,151.9	-144.2	7,153.1	0.00	0.00	0.00
18,410.0	90.00	179.46	10,645.0	-7,152.9	-144.2	7,154.1	0.00	0.00	0.00
18,411.0	90.00	179.46	10,645.0	-7,153.9	-144.2	7,155.1	0.00	0.00	0.00
18,412.0	90.00	179.46	10,645.0	-7,154.9	-144.2	7,156.1	0.00	0.00	0.00
18,413.0	90.00	179.46	10,645.0	-7,155.9	-144.2	7,157.1	0.00	0.00	0.00
18,414.0	90.00	179.46	10,645.0	-7,156.9	-144.1	7,158.1	0.00	0.00	0.00
18,415.0	90.00	179.46	10,645.0	-7,157.9	-144.1	7,159.1	0.00	0.00	0.00
18,416.0	90.00	179.46	10,645.0	-7,158.9	-144.1	7,160.1	0.00	0.00	0.00
18,417.0	90.00	179.46	10,645.0	-7,159.9	-144.1	7,161.1	0.00	0.00	0.00
18,418.0	90.00	179.46	10,645.0	-7,160.9	-144.1	7,162.1	0.00	0.00	0.00
18,419.0	90.00	179.46	10,645.0	-7,161.9	-144.1	7,163.1	0.00	0.00	0.00
18,420.0	90.00	179.46	10,645.0	-7,162.9	-144.1	7,164.1	0.00	0.00	0.00
18,421.0	90.00	179.46	10,645.0	-7,163.9	-144.1	7,165.1	0.00	0.00	0.00
18,422.0	90.00	179.46	10,645.0	-7,164.9	-144.1	7,166.1	0.00	0.00	0.00
18,423.0	90.00	179.46	10,645.0	-7,165.9	-144.1	7,167.1	0.00	0.00	0.00
18,424.0	90.00	179.46	10,645.0	-7,166.9	-144.0	7,168.1	0.00	0.00	0.00
18,425.0	90.00	179.46	10,645.0	-7,167.9	-144.0	7,169.1	0.00	0.00	0.00
18,426.0	90.00	179.46	10,645.0	-7,168.9	-144.0	7,170.1	0.00	0.00	0.00
18,427.0	90.00	179.46	10,645.0	-7,169.9	-144.0	7,171.1	0.00	0.00	0.00
18,428.0	90.00	179.46	10,645.0	-7,170.9	-144.0	7,172.1	0.00	0.00	0.00
18,429.0	90.00	179.46	10,645.0	-7,171.9	-144.0	7,173.1	0.00	0.00	0.00
18,430.0	90.00	179.46	10,645.0	-7,172.9	-144.0	7,174.1	0.00	0.00	0.00
18,431.0	90.00	179.46	10,645.0	-7,173.9	-144.0	7,175.1	0.00	0.00	0.00
18,432.0	90.00	179.46	10,645.0	-7,174.9	-144.0	7,176.1	0.00	0.00	0.00
18,433.0	90.00	179.46	10,645.0	-7,175.9	-144.0	7,177.1	0.00	0.00	0.00
18,434.0	90.00	179.46	10,645.0	-7,176.9	-144.0	7,178.1	0.00	0.00	0.00
18,435.0	90.00	179.46	10,645.0	-7,177.9	-143.9	7,179.1	0.00	0.00	0.00
18,436.0	90.00	179.46	10,645.0	-7,178.9	-143.9	7,180.1	0.00	0.00	0.00
18,437.0	90.00	179.46	10,645.0	-7,179.9	-143.9	7,181.1	0.00	0.00	0.00
18,438.0	90.00	179.46	10,645.0	-7,180.9	-143.9	7,182.1	0.00	0.00	0.00
18,439.0	90.00	179.46	10,645.0	-7,181.9	-143.9	7,183.1	0.00	0.00	0.00
18,440.0	90.00	179.46	10,645.0	-7,182.9	-143.9	7,184.1	0.00	0.00	0.00
18,441.0	90.00	179.46	10,645.0	-7,183.9	-143.9	7,185.1	0.00	0.00	0.00
18,442.0	90.00	179.46	10,645.0	-7,184.9	-143.9	7,186.1	0.00	0.00	0.00
18,443.0	90.00	179.46	10,645.0	-7,185.9	-143.9	7,187.1	0.00	0.00	0.00
18,444.0	90.00	179.46	10,645.0	-7,186.9	-143.9	7,188.1	0.00	0.00	0.00
18,445.0	90.00	179.46	10,645.0	-7,187.9	-143.8	7,189.1	0.00	0.00	0.00
18,446.0	90.00	179.46	10,645.0	-7,188.9	-143.8	7,190.1	0.00	0.00	0.00
18,447.0	90.00	179.46	10,645.0	-7,189.9	-143.8	7,191.1	0.00	0.00	0.00
18,448.0	90.00	179.46	10,645.0	-7,190.9	-143.8	7,192.1	0.00	0.00	0.00
18,449.0	90.00	179.46	10,645.0	-7,191.9	-143.8	7,193.1	0.00	0.00	0.00
18,450.0	90.00	179.46	10,645.0	-7,192.9	-143.8	7,194.1	0.00	0.00	0.00
18,451.0	90.00	179.46	10,645.0	-7,193.9	-143.8	7,195.1	0.00	0.00	0.00
18,452.0	90.00	179.46	10,645.0	-7,194.9	-143.8	7,196.1	0.00	0.00	0.00
18,453.0	90.00	179.46	10,645.0	-7,195.9	-143.8	7,197.1	0.00	0.00	0.00
18,454.0	90.00	179.46	10,645.0	-7,196.9	-143.8	7,198.1	0.00	0.00	0.00
18,455.0	90.00	179.46	10,645.0	-7,197.9	-143.8	7,199.1	0.00	0.00	0.00
18,456.0	90.00	179.46	10,645.0	-7,198.9	-143.7	7,200.1	0.00	0.00	0.00
18,457.0	90.00	179.46	10,645.0	-7,199.9	-143.7	7,201.1	0.00	0.00	0.00
18,458.0	90.00	179.46	10,645.0	-7,200.9	-143.7	7,202.1	0.00	0.00	0.00
18,459.0	90.00	179.46	10,645.0	-7,201.9	-143.7	7,203.1	0.00	0.00	0.00
18,460.0	90.00	179.46	10,645.0	-7,202.9	-143.7	7,204.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,461.0	90.00	179.46	10,645.0	-7,203.9	-143.7	7,205.1	0.00	0.00	0.00
18,462.0	90.00	179.46	10,645.0	-7,204.9	-143.7	7,206.1	0.00	0.00	0.00
18,463.0	90.00	179.46	10,645.0	-7,205.9	-143.7	7,207.1	0.00	0.00	0.00
18,464.0	90.00	179.46	10,645.0	-7,206.9	-143.7	7,208.1	0.00	0.00	0.00
18,465.0	90.00	179.46	10,645.0	-7,207.9	-143.7	7,209.1	0.00	0.00	0.00
18,466.0	90.00	179.46	10,645.0	-7,208.9	-143.6	7,210.1	0.00	0.00	0.00
18,467.0	90.00	179.46	10,645.0	-7,209.9	-143.6	7,211.1	0.00	0.00	0.00
18,468.0	90.00	179.46	10,645.0	-7,210.9	-143.6	7,212.1	0.00	0.00	0.00
18,469.0	90.00	179.46	10,645.0	-7,211.9	-143.6	7,213.1	0.00	0.00	0.00
18,470.0	90.00	179.46	10,645.0	-7,212.9	-143.6	7,214.1	0.00	0.00	0.00
18,471.0	90.00	179.46	10,645.0	-7,213.9	-143.6	7,215.1	0.00	0.00	0.00
18,472.0	90.00	179.46	10,645.0	-7,214.9	-143.6	7,216.1	0.00	0.00	0.00
18,473.0	90.00	179.46	10,645.0	-7,215.9	-143.6	7,217.1	0.00	0.00	0.00
18,474.0	90.00	179.46	10,645.0	-7,216.9	-143.6	7,218.1	0.00	0.00	0.00
18,475.0	90.00	179.46	10,645.0	-7,217.9	-143.6	7,219.1	0.00	0.00	0.00
18,476.0	90.00	179.46	10,645.0	-7,218.9	-143.6	7,220.1	0.00	0.00	0.00
18,477.0	90.00	179.46	10,645.0	-7,219.9	-143.5	7,221.1	0.00	0.00	0.00
18,478.0	90.00	179.46	10,645.0	-7,220.9	-143.5	7,222.1	0.00	0.00	0.00
18,479.0	90.00	179.46	10,645.0	-7,221.9	-143.5	7,223.1	0.00	0.00	0.00
18,480.0	90.00	179.46	10,645.0	-7,222.9	-143.5	7,224.1	0.00	0.00	0.00
18,481.0	90.00	179.46	10,645.0	-7,223.9	-143.5	7,225.1	0.00	0.00	0.00
18,482.0	90.00	179.46	10,645.0	-7,224.9	-143.5	7,226.1	0.00	0.00	0.00
18,483.0	90.00	179.46	10,645.0	-7,225.9	-143.5	7,227.1	0.00	0.00	0.00
18,484.0	90.00	179.46	10,645.0	-7,226.9	-143.5	7,228.1	0.00	0.00	0.00
18,485.0	90.00	179.46	10,645.0	-7,227.9	-143.5	7,229.1	0.00	0.00	0.00
18,486.0	90.00	179.46	10,645.0	-7,228.9	-143.5	7,230.1	0.00	0.00	0.00
18,487.0	90.00	179.46	10,645.0	-7,229.9	-143.5	7,231.1	0.00	0.00	0.00
18,488.0	90.00	179.46	10,645.0	-7,230.9	-143.4	7,232.1	0.00	0.00	0.00
18,489.0	90.00	179.46	10,645.0	-7,231.9	-143.4	7,233.1	0.00	0.00	0.00
18,490.0	90.00	179.46	10,645.0	-7,232.9	-143.4	7,234.1	0.00	0.00	0.00
18,491.0	90.00	179.46	10,645.0	-7,233.9	-143.4	7,235.1	0.00	0.00	0.00
18,492.0	90.00	179.46	10,645.0	-7,234.9	-143.4	7,236.1	0.00	0.00	0.00
18,493.0	90.00	179.46	10,645.0	-7,235.9	-143.4	7,237.1	0.00	0.00	0.00
18,494.0	90.00	179.46	10,645.0	-7,236.9	-143.4	7,238.1	0.00	0.00	0.00
18,495.0	90.00	179.46	10,645.0	-7,237.9	-143.4	7,239.1	0.00	0.00	0.00
18,496.0	90.00	179.46	10,645.0	-7,238.9	-143.4	7,240.1	0.00	0.00	0.00
18,497.0	90.00	179.46	10,645.0	-7,239.9	-143.4	7,241.1	0.00	0.00	0.00
18,498.0	90.00	179.46	10,645.0	-7,240.9	-143.3	7,242.1	0.00	0.00	0.00
18,499.0	90.00	179.46	10,645.0	-7,241.9	-143.3	7,243.1	0.00	0.00	0.00
18,500.0	90.00	179.46	10,645.0	-7,242.9	-143.3	7,244.1	0.05	0.00	0.05
18,501.0	90.00	179.46	10,645.0	-7,243.9	-143.3	7,245.1	0.00	0.00	0.00
18,502.0	90.00	179.46	10,645.0	-7,244.9	-143.3	7,246.1	0.00	0.00	0.00
18,503.0	90.00	179.46	10,645.0	-7,245.9	-143.3	7,247.1	0.00	0.00	0.00
18,504.0	90.00	179.46	10,645.0	-7,246.9	-143.3	7,248.1	0.00	0.00	0.00
18,505.0	90.00	179.46	10,645.0	-7,247.9	-143.3	7,249.1	0.00	0.00	0.00
18,506.0	90.00	179.46	10,645.0	-7,248.9	-143.3	7,250.1	0.00	0.00	0.00
18,507.0	90.00	179.46	10,645.0	-7,249.9	-143.3	7,251.1	0.00	0.00	0.00
18,508.0	90.00	179.46	10,645.0	-7,250.9	-143.3	7,252.1	0.00	0.00	0.00
18,509.0	90.00	179.46	10,645.0	-7,251.9	-143.2	7,253.1	0.00	0.00	0.00
18,510.0	90.00	179.46	10,645.0	-7,252.9	-143.2	7,254.1	0.00	0.00	0.00
18,511.0	90.00	179.46	10,645.0	-7,253.9	-143.2	7,255.1	0.00	0.00	0.00
18,512.0	90.00	179.46	10,645.0	-7,254.9	-143.2	7,256.1	0.00	0.00	0.00
18,513.0	90.00	179.46	10,645.0	-7,255.9	-143.2	7,257.1	0.00	0.00	0.00
18,514.0	90.00	179.46	10,645.0	-7,256.9	-143.2	7,258.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,515.0	90.00	179.46	10,645.0	-7,257.9	-143.2	7,259.1	0.00	0.00	0.00
18,516.0	90.00	179.46	10,645.0	-7,258.9	-143.2	7,260.1	0.00	0.00	0.00
18,517.0	90.00	179.46	10,645.0	-7,259.9	-143.2	7,261.1	0.00	0.00	0.00
18,518.0	90.00	179.46	10,645.0	-7,260.9	-143.2	7,262.1	0.00	0.00	0.00
18,519.0	90.00	179.46	10,645.0	-7,261.9	-143.1	7,263.1	0.00	0.00	0.00
18,520.0	90.00	179.46	10,645.0	-7,262.9	-143.1	7,264.1	0.00	0.00	0.00
18,521.0	90.00	179.46	10,645.0	-7,263.9	-143.1	7,265.1	0.00	0.00	0.00
18,522.0	90.00	179.46	10,645.0	-7,264.9	-143.1	7,266.1	0.00	0.00	0.00
18,523.0	90.00	179.46	10,645.0	-7,265.9	-143.1	7,267.1	0.00	0.00	0.00
18,524.0	90.00	179.46	10,645.0	-7,266.9	-143.1	7,268.1	0.00	0.00	0.00
18,525.0	90.00	179.46	10,645.0	-7,267.9	-143.1	7,269.1	0.00	0.00	0.00
18,526.0	90.00	179.46	10,645.0	-7,268.9	-143.1	7,270.1	0.00	0.00	0.00
18,527.0	90.00	179.46	10,645.0	-7,269.9	-143.1	7,271.1	0.00	0.00	0.00
18,528.0	90.00	179.46	10,645.0	-7,270.9	-143.1	7,272.1	0.00	0.00	0.00
18,529.0	90.00	179.46	10,645.0	-7,271.9	-143.1	7,273.1	0.00	0.00	0.00
18,530.0	90.00	179.46	10,645.0	-7,272.9	-143.0	7,274.1	0.00	0.00	0.00
18,531.0	90.00	179.46	10,645.0	-7,273.9	-143.0	7,275.1	0.00	0.00	0.00
18,532.0	90.00	179.46	10,645.0	-7,274.9	-143.0	7,276.1	0.00	0.00	0.00
18,533.0	90.00	179.46	10,645.0	-7,275.9	-143.0	7,277.1	0.00	0.00	0.00
18,534.0	90.00	179.46	10,645.0	-7,276.9	-143.0	7,278.1	0.00	0.00	0.00
18,535.0	90.00	179.46	10,645.0	-7,277.9	-143.0	7,279.1	0.00	0.00	0.00
18,536.0	90.00	179.46	10,645.0	-7,278.9	-143.0	7,280.1	0.00	0.00	0.00
18,537.0	90.00	179.46	10,645.0	-7,279.9	-143.0	7,281.1	0.00	0.00	0.00
18,538.0	90.00	179.46	10,645.0	-7,280.9	-143.0	7,282.1	0.00	0.00	0.00
18,539.0	90.00	179.46	10,645.0	-7,281.9	-143.0	7,283.1	0.00	0.00	0.00
18,540.0	90.00	179.46	10,645.0	-7,282.9	-142.9	7,284.1	0.00	0.00	0.00
18,541.0	90.00	179.46	10,645.0	-7,283.9	-142.9	7,285.1	0.00	0.00	0.00
18,542.0	90.00	179.46	10,645.0	-7,284.9	-142.9	7,286.1	0.00	0.00	0.00
18,543.0	90.00	179.46	10,645.0	-7,285.9	-142.9	7,287.1	0.00	0.00	0.00
18,544.0	90.00	179.46	10,645.0	-7,286.9	-142.9	7,288.1	0.00	0.00	0.00
18,545.0	90.00	179.46	10,645.0	-7,287.9	-142.9	7,289.1	0.00	0.00	0.00
18,546.0	90.00	179.46	10,645.0	-7,288.9	-142.9	7,290.1	0.00	0.00	0.00
18,547.0	90.00	179.46	10,645.0	-7,289.9	-142.9	7,291.1	0.00	0.00	0.00
18,548.0	90.00	179.46	10,645.0	-7,290.9	-142.9	7,292.1	0.00	0.00	0.00
18,549.0	90.00	179.46	10,645.0	-7,291.9	-142.9	7,293.1	0.00	0.00	0.00
18,550.0	90.00	179.46	10,645.0	-7,292.9	-142.9	7,294.1	0.00	0.00	0.00
18,551.0	90.00	179.46	10,645.0	-7,293.9	-142.8	7,295.1	0.00	0.00	0.00
18,552.0	90.00	179.46	10,645.0	-7,294.9	-142.8	7,296.1	0.00	0.00	0.00
18,553.0	90.00	179.46	10,645.0	-7,295.9	-142.8	7,297.1	0.00	0.00	0.00
18,554.0	90.00	179.46	10,645.0	-7,296.9	-142.8	7,298.1	0.00	0.00	0.00
18,555.0	90.00	179.46	10,645.0	-7,297.9	-142.8	7,299.1	0.00	0.00	0.00
18,556.0	90.00	179.46	10,645.0	-7,298.9	-142.8	7,300.1	0.00	0.00	0.00
18,557.0	90.00	179.46	10,645.0	-7,299.9	-142.8	7,301.1	0.00	0.00	0.00
18,558.0	90.00	179.46	10,645.0	-7,300.9	-142.8	7,302.1	0.00	0.00	0.00
18,559.0	90.00	179.46	10,645.0	-7,301.9	-142.8	7,303.1	0.00	0.00	0.00
18,560.0	90.00	179.46	10,645.0	-7,302.9	-142.8	7,304.1	0.00	0.00	0.00
18,561.0	90.00	179.46	10,645.0	-7,303.9	-142.8	7,305.1	0.00	0.00	0.00
18,562.0	90.00	179.46	10,645.0	-7,304.9	-142.7	7,306.1	0.00	0.00	0.00
18,563.0	90.00	179.46	10,645.0	-7,305.9	-142.7	7,307.1	0.00	0.00	0.00
18,564.0	90.00	179.46	10,645.0	-7,306.9	-142.7	7,308.1	0.00	0.00	0.00
18,565.0	90.00	179.46	10,645.0	-7,307.9	-142.7	7,309.1	0.00	0.00	0.00
18,566.0	90.00	179.46	10,645.0	-7,308.9	-142.7	7,310.1	0.00	0.00	0.00
18,567.0	90.00	179.46	10,645.0	-7,309.9	-142.7	7,311.1	0.00	0.00	0.00
18,568.0	90.00	179.46	10,645.0	-7,310.9	-142.7	7,312.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,569.0	90.00	179.46	10,645.0	-7,311.9	-142.7	7,313.1	0.00	0.00	0.00
18,570.0	90.00	179.46	10,645.0	-7,312.9	-142.7	7,314.1	0.00	0.00	0.00
18,571.0	90.00	179.46	10,645.0	-7,313.9	-142.7	7,315.1	0.00	0.00	0.00
18,572.0	90.00	179.46	10,645.0	-7,314.9	-142.6	7,316.1	0.00	0.00	0.00
18,573.0	90.00	179.46	10,645.0	-7,315.9	-142.6	7,317.1	0.00	0.00	0.00
18,574.0	90.00	179.46	10,645.0	-7,316.9	-142.6	7,318.1	0.00	0.00	0.00
18,575.0	90.00	179.46	10,645.0	-7,317.9	-142.6	7,319.1	0.00	0.00	0.00
18,576.0	90.00	179.46	10,645.0	-7,318.9	-142.6	7,320.1	0.00	0.00	0.00
18,577.0	90.00	179.46	10,645.0	-7,319.9	-142.6	7,321.1	0.00	0.00	0.00
18,578.0	90.00	179.46	10,645.0	-7,320.9	-142.6	7,322.1	0.00	0.00	0.00
18,579.0	90.00	179.46	10,645.0	-7,321.9	-142.6	7,323.1	0.00	0.00	0.00
18,580.0	90.00	179.46	10,645.0	-7,322.9	-142.6	7,324.1	0.00	0.00	0.00
18,581.0	90.00	179.46	10,645.0	-7,323.9	-142.6	7,325.1	0.00	0.00	0.00
18,582.0	90.00	179.46	10,645.0	-7,324.9	-142.6	7,326.1	0.00	0.00	0.00
18,583.0	90.00	179.46	10,645.0	-7,325.9	-142.5	7,327.1	0.00	0.00	0.00
18,584.0	90.00	179.46	10,645.0	-7,326.9	-142.5	7,328.1	0.00	0.00	0.00
18,585.0	90.00	179.46	10,645.0	-7,327.9	-142.5	7,329.1	0.00	0.00	0.00
18,586.0	90.00	179.46	10,645.0	-7,328.9	-142.5	7,330.1	0.00	0.00	0.00
18,587.0	90.00	179.46	10,645.0	-7,329.9	-142.5	7,331.1	0.00	0.00	0.00
18,588.0	90.00	179.46	10,645.0	-7,330.9	-142.5	7,332.1	0.00	0.00	0.00
18,589.0	90.00	179.46	10,645.0	-7,331.9	-142.5	7,333.1	0.00	0.00	0.00
18,590.0	90.00	179.46	10,645.0	-7,332.9	-142.5	7,334.1	0.00	0.00	0.00
18,591.0	90.00	179.46	10,645.0	-7,333.9	-142.5	7,335.1	0.00	0.00	0.00
18,592.0	90.00	179.46	10,645.0	-7,334.9	-142.5	7,336.1	0.00	0.00	0.00
18,593.0	90.00	179.46	10,645.0	-7,335.9	-142.4	7,337.1	0.00	0.00	0.00
18,594.0	90.00	179.46	10,645.0	-7,336.9	-142.4	7,338.1	0.00	0.00	0.00
18,595.0	90.00	179.46	10,645.0	-7,337.9	-142.4	7,339.1	0.00	0.00	0.00
18,596.0	90.00	179.46	10,645.0	-7,338.9	-142.4	7,340.1	0.00	0.00	0.00
18,597.0	90.00	179.46	10,645.0	-7,339.9	-142.4	7,341.1	0.00	0.00	0.00
18,598.0	90.00	179.46	10,645.0	-7,340.9	-142.4	7,342.1	0.00	0.00	0.00
18,599.0	90.00	179.46	10,645.0	-7,341.9	-142.4	7,343.1	0.00	0.00	0.00
18,600.0	90.00	179.46	10,645.0	-7,342.9	-142.4	7,344.1	0.05	0.00	0.05
18,601.0	90.00	179.46	10,645.0	-7,343.9	-142.4	7,345.1	0.00	0.00	0.00
18,602.0	90.00	179.46	10,645.0	-7,344.9	-142.4	7,346.1	0.00	0.00	0.00
18,603.0	90.00	179.46	10,645.0	-7,345.9	-142.4	7,347.1	0.00	0.00	0.00
18,604.0	90.00	179.46	10,645.0	-7,346.9	-142.3	7,348.1	0.00	0.00	0.00
18,605.0	90.00	179.46	10,645.0	-7,347.9	-142.3	7,349.1	0.00	0.00	0.00
18,606.0	90.00	179.46	10,645.0	-7,348.9	-142.3	7,350.1	0.00	0.00	0.00
18,607.0	90.00	179.46	10,645.0	-7,349.9	-142.3	7,351.1	0.00	0.00	0.00
18,608.0	90.00	179.46	10,645.0	-7,350.9	-142.3	7,352.1	0.00	0.00	0.00
18,609.0	90.00	179.46	10,645.0	-7,351.9	-142.3	7,353.1	0.00	0.00	0.00
18,610.0	90.00	179.46	10,645.0	-7,352.9	-142.3	7,354.1	0.00	0.00	0.00
18,611.0	90.00	179.46	10,645.0	-7,353.9	-142.3	7,355.1	0.00	0.00	0.00
18,612.0	90.00	179.46	10,645.0	-7,354.9	-142.3	7,356.1	0.00	0.00	0.00
18,613.0	90.00	179.46	10,645.0	-7,355.9	-142.3	7,357.1	0.00	0.00	0.00
18,614.0	90.00	179.46	10,645.0	-7,356.9	-142.2	7,358.1	0.00	0.00	0.00
18,615.0	90.00	179.46	10,645.0	-7,357.9	-142.2	7,359.1	0.00	0.00	0.00
18,616.0	90.00	179.46	10,645.0	-7,358.9	-142.2	7,360.1	0.00	0.00	0.00
18,617.0	90.00	179.46	10,645.0	-7,359.9	-142.2	7,361.1	0.00	0.00	0.00
18,618.0	90.00	179.46	10,645.0	-7,360.9	-142.2	7,362.1	0.00	0.00	0.00
18,619.0	90.00	179.46	10,645.0	-7,361.9	-142.2	7,363.1	0.00	0.00	0.00
18,620.0	90.00	179.46	10,645.0	-7,362.9	-142.2	7,364.1	0.00	0.00	0.00
18,621.0	90.00	179.46	10,645.0	-7,363.9	-142.2	7,365.1	0.00	0.00	0.00
18,622.0	90.00	179.46	10,645.0	-7,364.9	-142.2	7,366.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,623.0	90.00	179.46	10,645.0	-7,365.9	-142.2	7,367.1	0.00	0.00	0.00
18,624.0	90.00	179.46	10,645.0	-7,366.9	-142.2	7,368.1	0.00	0.00	0.00
18,625.0	90.00	179.46	10,645.0	-7,367.9	-142.1	7,369.1	0.00	0.00	0.00
18,626.0	90.00	179.46	10,645.0	-7,368.9	-142.1	7,370.1	0.00	0.00	0.00
18,627.0	90.00	179.46	10,645.0	-7,369.9	-142.1	7,371.1	0.00	0.00	0.00
18,628.0	90.00	179.46	10,645.0	-7,370.9	-142.1	7,372.1	0.00	0.00	0.00
18,629.0	90.00	179.46	10,645.0	-7,371.9	-142.1	7,373.1	0.00	0.00	0.00
18,630.0	90.00	179.46	10,645.0	-7,372.9	-142.1	7,374.1	0.00	0.00	0.00
18,631.0	90.00	179.46	10,645.0	-7,373.9	-142.1	7,375.1	0.00	0.00	0.00
18,632.0	90.00	179.46	10,645.0	-7,374.9	-142.1	7,376.1	0.00	0.00	0.00
18,633.0	90.00	179.46	10,645.0	-7,375.9	-142.1	7,377.1	0.00	0.00	0.00
18,634.0	90.00	179.46	10,645.0	-7,376.9	-142.1	7,378.1	0.00	0.00	0.00
18,635.0	90.00	179.46	10,645.0	-7,377.9	-142.1	7,379.1	0.00	0.00	0.00
18,636.0	90.00	179.46	10,645.0	-7,378.9	-142.0	7,380.1	0.00	0.00	0.00
18,637.0	90.00	179.46	10,645.0	-7,379.9	-142.0	7,381.1	0.00	0.00	0.00
18,638.0	90.00	179.46	10,645.0	-7,380.9	-142.0	7,382.1	0.00	0.00	0.00
18,639.0	90.00	179.46	10,645.0	-7,381.9	-142.0	7,383.1	0.00	0.00	0.00
18,640.0	90.00	179.46	10,645.0	-7,382.9	-142.0	7,384.1	0.00	0.00	0.00
18,641.0	90.00	179.46	10,645.0	-7,383.9	-142.0	7,385.1	0.00	0.00	0.00
18,642.0	90.00	179.46	10,645.0	-7,384.9	-142.0	7,386.1	0.00	0.00	0.00
18,643.0	90.00	179.46	10,645.0	-7,385.9	-142.0	7,387.1	0.00	0.00	0.00
18,644.0	90.00	179.46	10,645.0	-7,386.9	-142.0	7,388.1	0.00	0.00	0.00
18,645.0	90.00	179.46	10,645.0	-7,387.9	-142.0	7,389.1	0.00	0.00	0.00
18,646.0	90.00	179.46	10,645.0	-7,388.9	-141.9	7,390.1	0.00	0.00	0.00
18,647.0	90.00	179.46	10,645.0	-7,389.9	-141.9	7,391.1	0.00	0.00	0.00
18,648.0	90.00	179.46	10,645.0	-7,390.9	-141.9	7,392.1	0.00	0.00	0.00
18,649.0	90.00	179.46	10,645.0	-7,391.9	-141.9	7,393.1	0.00	0.00	0.00
18,650.0	90.00	179.46	10,645.0	-7,392.9	-141.9	7,394.1	0.00	0.00	0.00
18,651.0	90.00	179.46	10,645.0	-7,393.9	-141.9	7,395.1	0.00	0.00	0.00
18,652.0	90.00	179.46	10,645.0	-7,394.9	-141.9	7,396.1	0.00	0.00	0.00
18,653.0	90.00	179.46	10,645.0	-7,395.9	-141.9	7,397.1	0.00	0.00	0.00
18,654.0	90.00	179.46	10,645.0	-7,396.9	-141.9	7,398.1	0.00	0.00	0.00
18,655.0	90.00	179.46	10,645.0	-7,397.9	-141.9	7,399.1	0.00	0.00	0.00
18,656.0	90.00	179.46	10,645.0	-7,398.9	-141.9	7,400.1	0.00	0.00	0.00
18,657.0	90.00	179.46	10,645.0	-7,399.9	-141.8	7,401.1	0.00	0.00	0.00
18,658.0	90.00	179.46	10,645.0	-7,400.9	-141.8	7,402.1	0.00	0.00	0.00
18,659.0	90.00	179.46	10,645.0	-7,401.9	-141.8	7,403.1	0.00	0.00	0.00
18,660.0	90.00	179.46	10,645.0	-7,402.9	-141.8	7,404.1	0.00	0.00	0.00
18,661.0	90.00	179.46	10,645.0	-7,403.9	-141.8	7,405.1	0.00	0.00	0.00
18,662.0	90.00	179.46	10,645.0	-7,404.9	-141.8	7,406.1	0.00	0.00	0.00
18,663.0	90.00	179.46	10,645.0	-7,405.9	-141.8	7,407.1	0.00	0.00	0.00
18,664.0	90.00	179.46	10,645.0	-7,406.9	-141.8	7,408.1	0.00	0.00	0.00
18,665.0	90.00	179.46	10,645.0	-7,407.9	-141.8	7,409.1	0.00	0.00	0.00
18,666.0	90.00	179.46	10,645.0	-7,408.9	-141.8	7,410.1	0.00	0.00	0.00
18,667.0	90.00	179.46	10,645.0	-7,409.9	-141.7	7,411.1	0.00	0.00	0.00
18,668.0	90.00	179.46	10,645.0	-7,410.9	-141.7	7,412.1	0.00	0.00	0.00
18,669.0	90.00	179.46	10,645.0	-7,411.9	-141.7	7,413.1	0.00	0.00	0.00
18,670.0	90.00	179.46	10,645.0	-7,412.9	-141.7	7,414.1	0.00	0.00	0.00
18,671.0	90.00	179.46	10,645.0	-7,413.9	-141.7	7,415.1	0.00	0.00	0.00
18,672.0	90.00	179.46	10,645.0	-7,414.9	-141.7	7,416.1	0.00	0.00	0.00
18,673.0	90.00	179.46	10,645.0	-7,415.9	-141.7	7,417.1	0.00	0.00	0.00
18,674.0	90.00	179.46	10,645.0	-7,416.9	-141.7	7,418.1	0.00	0.00	0.00
18,675.0	90.00	179.46	10,645.0	-7,417.9	-141.7	7,419.1	0.00	0.00	0.00
18,676.0	90.00	179.46	10,645.0	-7,418.9	-141.7	7,420.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,677.0	90.00	179.46	10,645.0	-7,419.9	-141.7	7,421.1	0.00	0.00	0.00
18,678.0	90.00	179.46	10,645.0	-7,420.9	-141.6	7,422.1	0.00	0.00	0.00
18,679.0	90.00	179.46	10,645.0	-7,421.9	-141.6	7,423.1	0.00	0.00	0.00
18,680.0	90.00	179.46	10,645.0	-7,422.9	-141.6	7,424.1	0.00	0.00	0.00
18,681.0	90.00	179.46	10,645.0	-7,423.9	-141.6	7,425.1	0.00	0.00	0.00
18,682.0	90.00	179.46	10,645.0	-7,424.9	-141.6	7,426.1	0.00	0.00	0.00
18,683.0	90.00	179.46	10,645.0	-7,425.9	-141.6	7,427.1	0.00	0.00	0.00
18,684.0	90.00	179.46	10,645.0	-7,426.9	-141.6	7,428.1	0.00	0.00	0.00
18,685.0	90.00	179.46	10,645.0	-7,427.9	-141.6	7,429.1	0.00	0.00	0.00
18,686.0	90.00	179.46	10,645.0	-7,428.9	-141.6	7,430.1	0.00	0.00	0.00
18,687.0	90.00	179.46	10,645.0	-7,429.9	-141.6	7,431.1	0.00	0.00	0.00
18,688.0	90.00	179.46	10,645.0	-7,430.9	-141.5	7,432.1	0.00	0.00	0.00
18,689.0	90.00	179.46	10,645.0	-7,431.9	-141.5	7,433.1	0.00	0.00	0.00
18,690.0	90.00	179.46	10,645.0	-7,432.9	-141.5	7,434.1	0.00	0.00	0.00
18,691.0	90.00	179.46	10,645.0	-7,433.9	-141.5	7,435.1	0.00	0.00	0.00
18,692.0	90.00	179.46	10,645.0	-7,434.9	-141.5	7,436.1	0.00	0.00	0.00
18,693.0	90.00	179.46	10,645.0	-7,435.9	-141.5	7,437.1	0.00	0.00	0.00
18,694.0	90.00	179.46	10,645.0	-7,436.9	-141.5	7,438.1	0.00	0.00	0.00
18,695.0	90.00	179.46	10,645.0	-7,437.9	-141.5	7,439.1	0.00	0.00	0.00
18,696.0	90.00	179.46	10,645.0	-7,438.9	-141.5	7,440.1	0.00	0.00	0.00
18,697.0	90.00	179.46	10,645.0	-7,439.9	-141.5	7,441.1	0.00	0.00	0.00
18,698.0	90.00	179.46	10,645.0	-7,440.9	-141.5	7,442.1	0.00	0.00	0.00
18,699.0	90.00	179.46	10,645.0	-7,441.9	-141.4	7,443.1	0.00	0.00	0.00
18,700.0	90.00	179.46	10,645.0	-7,442.9	-141.4	7,444.1	0.05	0.00	0.05
18,701.0	90.00	179.46	10,645.0	-7,443.9	-141.4	7,445.1	0.00	0.00	0.00
18,702.0	90.00	179.46	10,645.0	-7,444.9	-141.4	7,446.1	0.00	0.00	0.00
18,703.0	90.00	179.46	10,645.0	-7,445.9	-141.4	7,447.1	0.00	0.00	0.00
18,704.0	90.00	179.46	10,645.0	-7,446.9	-141.4	7,448.1	0.00	0.00	0.00
18,705.0	90.00	179.46	10,645.0	-7,447.9	-141.4	7,449.1	0.00	0.00	0.00
18,706.0	90.00	179.46	10,645.0	-7,448.9	-141.4	7,450.1	0.00	0.00	0.00
18,707.0	90.00	179.46	10,645.0	-7,449.9	-141.4	7,451.1	0.00	0.00	0.00
18,708.0	90.00	179.46	10,645.0	-7,450.9	-141.4	7,452.1	0.00	0.00	0.00
18,709.0	90.00	179.46	10,645.0	-7,451.9	-141.4	7,453.1	0.00	0.00	0.00
18,710.0	90.00	179.46	10,645.0	-7,452.9	-141.3	7,454.1	0.00	0.00	0.00
18,711.0	90.00	179.46	10,645.0	-7,453.9	-141.3	7,455.1	0.00	0.00	0.00
18,712.0	90.00	179.46	10,645.0	-7,454.9	-141.3	7,456.1	0.00	0.00	0.00
18,713.0	90.00	179.46	10,645.0	-7,455.9	-141.3	7,457.1	0.00	0.00	0.00
18,714.0	90.00	179.46	10,645.0	-7,456.9	-141.3	7,458.1	0.00	0.00	0.00
18,715.0	90.00	179.46	10,645.0	-7,457.9	-141.3	7,459.1	0.00	0.00	0.00
18,716.0	90.00	179.46	10,645.0	-7,458.9	-141.3	7,460.1	0.00	0.00	0.00
18,717.0	90.00	179.46	10,645.0	-7,459.9	-141.3	7,461.1	0.00	0.00	0.00
18,718.0	90.00	179.46	10,645.0	-7,460.9	-141.3	7,462.1	0.00	0.00	0.00
18,719.0	90.00	179.46	10,645.0	-7,461.9	-141.3	7,463.1	0.00	0.00	0.00
18,720.0	90.00	179.46	10,645.0	-7,462.9	-141.2	7,464.1	0.00	0.00	0.00
18,721.0	90.00	179.46	10,645.0	-7,463.9	-141.2	7,465.1	0.00	0.00	0.00
18,722.0	90.00	179.46	10,645.0	-7,464.9	-141.2	7,466.1	0.00	0.00	0.00
18,723.0	90.00	179.46	10,645.0	-7,465.9	-141.2	7,467.1	0.00	0.00	0.00
18,724.0	90.00	179.46	10,645.0	-7,466.9	-141.2	7,468.1	0.00	0.00	0.00
18,725.0	90.00	179.46	10,645.0	-7,467.9	-141.2	7,469.1	0.00	0.00	0.00
18,726.0	90.00	179.46	10,645.0	-7,468.9	-141.2	7,470.1	0.00	0.00	0.00
18,727.0	90.00	179.46	10,645.0	-7,469.9	-141.2	7,471.1	0.00	0.00	0.00
18,728.0	90.00	179.46	10,645.0	-7,470.9	-141.2	7,472.1	0.00	0.00	0.00
18,729.0	90.00	179.46	10,645.0	-7,471.9	-141.2	7,473.1	0.00	0.00	0.00
18,730.0	90.00	179.46	10,645.0	-7,472.9	-141.2	7,474.1	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,731.0	90.00	179.46	10,645.0	-7,473.9	-141.1	7,475.1	0.00	0.00	0.00
18,732.0	90.00	179.46	10,645.0	-7,474.9	-141.1	7,476.1	0.00	0.00	0.00
18,733.0	90.00	179.46	10,645.0	-7,475.9	-141.1	7,477.1	0.00	0.00	0.00
18,734.0	90.00	179.46	10,645.0	-7,476.9	-141.1	7,478.1	0.00	0.00	0.00
18,735.0	90.00	179.46	10,645.0	-7,477.9	-141.1	7,479.1	0.00	0.00	0.00
18,736.0	90.00	179.46	10,645.0	-7,478.9	-141.1	7,480.1	0.00	0.00	0.00
18,737.0	90.00	179.46	10,645.0	-7,479.9	-141.1	7,481.1	0.00	0.00	0.00
18,738.0	90.00	179.46	10,645.0	-7,480.9	-141.1	7,482.1	0.00	0.00	0.00
18,739.0	90.00	179.46	10,645.0	-7,481.9	-141.1	7,483.1	0.00	0.00	0.00
18,740.0	90.00	179.46	10,645.0	-7,482.9	-141.1	7,484.1	0.00	0.00	0.00
18,741.0	90.00	179.46	10,645.0	-7,483.9	-141.0	7,485.1	0.00	0.00	0.00
18,742.0	90.00	179.46	10,645.0	-7,484.9	-141.0	7,486.1	0.00	0.00	0.00
18,743.0	90.00	179.46	10,645.0	-7,485.9	-141.0	7,487.1	0.00	0.00	0.00
18,744.0	90.00	179.46	10,645.0	-7,486.9	-141.0	7,488.1	0.00	0.00	0.00
18,745.0	90.00	179.46	10,645.0	-7,487.9	-141.0	7,489.1	0.00	0.00	0.00
18,746.0	90.00	179.46	10,645.0	-7,488.9	-141.0	7,490.1	0.00	0.00	0.00
18,747.0	90.00	179.46	10,645.0	-7,489.9	-141.0	7,491.1	0.00	0.00	0.00
18,748.0	90.00	179.46	10,645.0	-7,490.9	-141.0	7,492.1	0.00	0.00	0.00
18,749.0	90.00	179.46	10,645.0	-7,491.9	-141.0	7,493.1	0.00	0.00	0.00
18,750.0	90.00	179.46	10,645.0	-7,492.9	-141.0	7,494.1	0.00	0.00	0.00
18,751.0	90.00	179.46	10,645.0	-7,493.9	-141.0	7,495.1	0.00	0.00	0.00
18,752.0	90.00	179.46	10,645.0	-7,494.9	-140.9	7,496.1	0.00	0.00	0.00
18,753.0	90.00	179.46	10,645.0	-7,495.9	-140.9	7,497.1	0.00	0.00	0.00
18,754.0	90.00	179.46	10,645.0	-7,496.9	-140.9	7,498.1	0.00	0.00	0.00
18,755.0	90.00	179.46	10,645.0	-7,497.9	-140.9	7,499.1	0.00	0.00	0.00
18,756.0	90.00	179.46	10,645.0	-7,498.9	-140.9	7,500.1	0.00	0.00	0.00
18,757.0	90.00	179.46	10,645.0	-7,499.9	-140.9	7,501.1	0.00	0.00	0.00
18,758.0	90.00	179.46	10,645.0	-7,500.9	-140.9	7,502.1	0.00	0.00	0.00
18,759.0	90.00	179.46	10,645.0	-7,501.9	-140.9	7,503.1	0.00	0.00	0.00
18,760.0	90.00	179.46	10,645.0	-7,502.9	-140.9	7,504.1	0.00	0.00	0.00
18,761.0	90.00	179.46	10,645.0	-7,503.9	-140.9	7,505.0	0.00	0.00	0.00
18,762.0	90.00	179.46	10,645.0	-7,504.9	-140.9	7,506.0	0.00	0.00	0.00
18,763.0	90.00	179.46	10,645.0	-7,505.9	-140.8	7,507.0	0.00	0.00	0.00
18,764.0	90.00	179.46	10,645.0	-7,506.9	-140.8	7,508.0	0.00	0.00	0.00
18,765.0	90.00	179.46	10,645.0	-7,507.9	-140.8	7,509.0	0.00	0.00	0.00
18,766.0	90.00	179.46	10,645.0	-7,508.9	-140.8	7,510.0	0.00	0.00	0.00
18,767.0	90.00	179.46	10,645.0	-7,509.9	-140.8	7,511.0	0.00	0.00	0.00
18,768.0	90.00	179.46	10,645.0	-7,510.9	-140.8	7,512.0	0.00	0.00	0.00
18,769.0	90.00	179.46	10,645.0	-7,511.9	-140.8	7,513.0	0.00	0.00	0.00
18,770.0	90.00	179.46	10,645.0	-7,512.9	-140.8	7,514.0	0.00	0.00	0.00
18,771.0	90.00	179.46	10,645.0	-7,513.9	-140.8	7,515.0	0.00	0.00	0.00
18,772.0	90.00	179.46	10,645.0	-7,514.9	-140.8	7,516.0	0.00	0.00	0.00
18,773.0	90.00	179.46	10,645.0	-7,515.9	-140.7	7,517.0	0.00	0.00	0.00
18,774.0	90.00	179.46	10,645.0	-7,516.9	-140.7	7,518.0	0.00	0.00	0.00
18,775.0	90.00	179.46	10,645.0	-7,517.9	-140.7	7,519.0	0.00	0.00	0.00
18,776.0	90.00	179.46	10,645.0	-7,518.9	-140.7	7,520.0	0.00	0.00	0.00
18,777.0	90.00	179.46	10,645.0	-7,519.9	-140.7	7,521.0	0.00	0.00	0.00
18,778.0	90.00	179.46	10,645.0	-7,520.9	-140.7	7,522.0	0.00	0.00	0.00
18,779.0	90.00	179.46	10,645.0	-7,521.9	-140.7	7,523.0	0.00	0.00	0.00
18,780.0	90.00	179.46	10,645.0	-7,522.9	-140.7	7,524.0	0.00	0.00	0.00
18,781.0	90.00	179.46	10,645.0	-7,523.9	-140.7	7,525.0	0.00	0.00	0.00
18,782.0	90.00	179.46	10,645.0	-7,524.9	-140.7	7,526.0	0.00	0.00	0.00
18,783.0	90.00	179.46	10,645.0	-7,525.9	-140.7	7,527.0	0.00	0.00	0.00
18,784.0	90.00	179.46	10,645.0	-7,526.9	-140.6	7,528.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,785.0	90.00	179.46	10,645.0	-7,527.9	-140.6	7,529.0	0.00	0.00	0.00
18,786.0	90.00	179.46	10,645.0	-7,528.9	-140.6	7,530.0	0.00	0.00	0.00
18,787.0	90.00	179.46	10,645.0	-7,529.9	-140.6	7,531.0	0.00	0.00	0.00
18,788.0	90.00	179.46	10,645.0	-7,530.9	-140.6	7,532.0	0.00	0.00	0.00
18,789.0	90.00	179.46	10,645.0	-7,531.9	-140.6	7,533.0	0.00	0.00	0.00
18,790.0	90.00	179.46	10,645.0	-7,532.9	-140.6	7,534.0	0.00	0.00	0.00
18,791.0	90.00	179.46	10,645.0	-7,533.9	-140.6	7,535.0	0.00	0.00	0.00
18,792.0	90.00	179.46	10,645.0	-7,534.9	-140.6	7,536.0	0.00	0.00	0.00
18,793.0	90.00	179.46	10,645.0	-7,535.9	-140.6	7,537.0	0.00	0.00	0.00
18,794.0	90.00	179.46	10,645.0	-7,536.9	-140.5	7,538.0	0.00	0.00	0.00
18,795.0	90.00	179.46	10,645.0	-7,537.9	-140.5	7,539.0	0.00	0.00	0.00
18,796.0	90.00	179.46	10,645.0	-7,538.9	-140.5	7,540.0	0.00	0.00	0.00
18,797.0	90.00	179.46	10,645.0	-7,539.9	-140.5	7,541.0	0.00	0.00	0.00
18,798.0	90.00	179.46	10,645.0	-7,540.9	-140.5	7,542.0	0.00	0.00	0.00
18,799.0	90.00	179.46	10,645.0	-7,541.9	-140.5	7,543.0	0.00	0.00	0.00
18,800.0	90.00	179.46	10,645.0	-7,542.9	-140.5	7,544.0	0.05	0.00	0.05
18,801.0	90.00	179.46	10,645.0	-7,543.9	-140.5	7,545.0	0.00	0.00	0.00
18,802.0	90.00	179.46	10,645.0	-7,544.9	-140.5	7,546.0	0.00	0.00	0.00
18,803.0	90.00	179.46	10,645.0	-7,545.9	-140.5	7,547.0	0.00	0.00	0.00
18,804.0	90.00	179.46	10,645.0	-7,546.9	-140.5	7,548.0	0.00	0.00	0.00
18,805.0	90.00	179.46	10,645.0	-7,547.9	-140.4	7,549.0	0.00	0.00	0.00
18,806.0	90.00	179.46	10,645.0	-7,548.9	-140.4	7,550.0	0.00	0.00	0.00
18,807.0	90.00	179.46	10,645.0	-7,549.9	-140.4	7,551.0	0.00	0.00	0.00
18,808.0	90.00	179.46	10,645.0	-7,550.9	-140.4	7,552.0	0.00	0.00	0.00
18,809.0	90.00	179.46	10,645.0	-7,551.9	-140.4	7,553.0	0.00	0.00	0.00
18,810.0	90.00	179.46	10,645.0	-7,552.9	-140.4	7,554.0	0.00	0.00	0.00
18,811.0	90.00	179.46	10,645.0	-7,553.9	-140.4	7,555.0	0.00	0.00	0.00
18,812.0	90.00	179.46	10,645.0	-7,554.9	-140.4	7,556.0	0.00	0.00	0.00
18,813.0	90.00	179.46	10,645.0	-7,555.9	-140.4	7,557.0	0.00	0.00	0.00
18,814.0	90.00	179.46	10,645.0	-7,556.9	-140.4	7,558.0	0.00	0.00	0.00
18,815.0	90.00	179.46	10,645.0	-7,557.9	-140.4	7,559.0	0.00	0.00	0.00
18,816.0	90.00	179.46	10,645.0	-7,558.9	-140.3	7,560.0	0.00	0.00	0.00
18,817.0	90.00	179.46	10,645.0	-7,559.9	-140.3	7,561.0	0.00	0.00	0.00
18,818.0	90.00	179.46	10,645.0	-7,560.9	-140.3	7,562.0	0.00	0.00	0.00
18,819.0	90.00	179.46	10,645.0	-7,561.9	-140.3	7,563.0	0.00	0.00	0.00
18,820.0	90.00	179.46	10,645.0	-7,562.9	-140.3	7,564.0	0.00	0.00	0.00
18,821.0	90.00	179.46	10,645.0	-7,563.9	-140.3	7,565.0	0.00	0.00	0.00
18,822.0	90.00	179.46	10,645.0	-7,564.9	-140.3	7,566.0	0.00	0.00	0.00
18,823.0	90.00	179.46	10,645.0	-7,565.9	-140.3	7,567.0	0.00	0.00	0.00
18,824.0	90.00	179.46	10,645.0	-7,566.9	-140.3	7,568.0	0.00	0.00	0.00
18,825.0	90.00	179.46	10,645.0	-7,567.9	-140.3	7,569.0	0.00	0.00	0.00
18,826.0	90.00	179.46	10,645.0	-7,568.9	-140.2	7,570.0	0.00	0.00	0.00
18,827.0	90.00	179.46	10,645.0	-7,569.9	-140.2	7,571.0	0.00	0.00	0.00
18,828.0	90.00	179.46	10,645.0	-7,570.9	-140.2	7,572.0	0.00	0.00	0.00
18,829.0	90.00	179.46	10,645.0	-7,571.9	-140.2	7,573.0	0.00	0.00	0.00
18,830.0	90.00	179.46	10,645.0	-7,572.9	-140.2	7,574.0	0.00	0.00	0.00
18,831.0	90.00	179.46	10,645.0	-7,573.9	-140.2	7,575.0	0.00	0.00	0.00
18,832.0	90.00	179.46	10,645.0	-7,574.9	-140.2	7,576.0	0.00	0.00	0.00
18,833.0	90.00	179.46	10,645.0	-7,575.9	-140.2	7,577.0	0.00	0.00	0.00
18,834.0	90.00	179.46	10,645.0	-7,576.9	-140.2	7,578.0	0.00	0.00	0.00
18,835.0	90.00	179.46	10,645.0	-7,577.9	-140.2	7,579.0	0.00	0.00	0.00
18,836.0	90.00	179.46	10,645.0	-7,578.9	-140.2	7,580.0	0.00	0.00	0.00
18,837.0	90.00	179.46	10,645.0	-7,579.9	-140.1	7,581.0	0.00	0.00	0.00
18,838.0	90.00	179.46	10,645.0	-7,580.9	-140.1	7,582.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,839.0	90.00	179.46	10,645.0	-7,581.9	-140.1	7,583.0	0.00	0.00	0.00
18,840.0	90.00	179.46	10,645.0	-7,582.9	-140.1	7,584.0	0.00	0.00	0.00
18,841.0	90.00	179.46	10,645.0	-7,583.9	-140.1	7,585.0	0.00	0.00	0.00
18,842.0	90.00	179.46	10,645.0	-7,584.9	-140.1	7,586.0	0.00	0.00	0.00
18,843.0	90.00	179.46	10,645.0	-7,585.9	-140.1	7,587.0	0.00	0.00	0.00
18,844.0	90.00	179.46	10,645.0	-7,586.9	-140.1	7,588.0	0.00	0.00	0.00
18,845.0	90.00	179.46	10,645.0	-7,587.9	-140.1	7,589.0	0.00	0.00	0.00
18,846.0	90.00	179.46	10,645.0	-7,588.9	-140.1	7,590.0	0.00	0.00	0.00
18,847.0	90.00	179.46	10,645.0	-7,589.9	-140.0	7,591.0	0.00	0.00	0.00
18,848.0	90.00	179.46	10,645.0	-7,590.9	-140.0	7,592.0	0.00	0.00	0.00
18,849.0	90.00	179.46	10,645.0	-7,591.9	-140.0	7,593.0	0.00	0.00	0.00
18,850.0	90.00	179.46	10,645.0	-7,592.9	-140.0	7,594.0	0.00	0.00	0.00
18,851.0	90.00	179.46	10,645.0	-7,593.9	-140.0	7,595.0	0.00	0.00	0.00
18,852.0	90.00	179.46	10,645.0	-7,594.9	-140.0	7,596.0	0.00	0.00	0.00
18,853.0	90.00	179.46	10,645.0	-7,595.9	-140.0	7,597.0	0.00	0.00	0.00
18,854.0	90.00	179.46	10,645.0	-7,596.9	-140.0	7,598.0	0.00	0.00	0.00
18,855.0	90.00	179.46	10,645.0	-7,597.9	-140.0	7,599.0	0.00	0.00	0.00
18,856.0	90.00	179.46	10,645.0	-7,598.9	-140.0	7,600.0	0.00	0.00	0.00
18,857.0	90.00	179.46	10,645.0	-7,599.9	-140.0	7,601.0	0.00	0.00	0.00
18,858.0	90.00	179.46	10,645.0	-7,600.9	-139.9	7,602.0	0.00	0.00	0.00
18,859.0	90.00	179.46	10,645.0	-7,601.9	-139.9	7,603.0	0.00	0.00	0.00
18,860.0	90.00	179.46	10,645.0	-7,602.9	-139.9	7,604.0	0.00	0.00	0.00
18,861.0	90.00	179.46	10,645.0	-7,603.9	-139.9	7,605.0	0.00	0.00	0.00
18,862.0	90.00	179.46	10,645.0	-7,604.9	-139.9	7,606.0	0.00	0.00	0.00
18,863.0	90.00	179.46	10,645.0	-7,605.9	-139.9	7,607.0	0.00	0.00	0.00
18,864.0	90.00	179.46	10,645.0	-7,606.9	-139.9	7,608.0	0.00	0.00	0.00
18,865.0	90.00	179.46	10,645.0	-7,607.9	-139.9	7,609.0	0.00	0.00	0.00
18,866.0	90.00	179.46	10,645.0	-7,608.9	-139.9	7,610.0	0.00	0.00	0.00
18,867.0	90.00	179.46	10,645.0	-7,609.9	-139.9	7,611.0	0.00	0.00	0.00
18,868.0	90.00	179.46	10,645.0	-7,610.9	-139.9	7,612.0	0.00	0.00	0.00
18,869.0	90.00	179.46	10,645.0	-7,611.9	-139.8	7,613.0	0.00	0.00	0.00
18,870.0	90.00	179.46	10,645.0	-7,612.9	-139.8	7,614.0	0.00	0.00	0.00
18,871.0	90.00	179.46	10,645.0	-7,613.9	-139.8	7,615.0	0.00	0.00	0.00
18,872.0	90.00	179.46	10,645.0	-7,614.9	-139.8	7,616.0	0.00	0.00	0.00
18,873.0	90.00	179.46	10,645.0	-7,615.9	-139.8	7,617.0	0.00	0.00	0.00
18,874.0	90.00	179.46	10,645.0	-7,616.9	-139.8	7,618.0	0.00	0.00	0.00
18,875.0	90.00	179.46	10,645.0	-7,617.9	-139.8	7,619.0	0.00	0.00	0.00
18,876.0	90.00	179.46	10,645.0	-7,618.9	-139.8	7,620.0	0.00	0.00	0.00
18,877.0	90.00	179.46	10,645.0	-7,619.9	-139.8	7,621.0	0.00	0.00	0.00
18,878.0	90.00	179.46	10,645.0	-7,620.9	-139.8	7,622.0	0.00	0.00	0.00
18,879.0	90.00	179.46	10,645.0	-7,621.9	-139.7	7,623.0	0.00	0.00	0.00
18,880.0	90.00	179.46	10,645.0	-7,622.9	-139.7	7,624.0	0.00	0.00	0.00
18,881.0	90.00	179.46	10,645.0	-7,623.9	-139.7	7,625.0	0.00	0.00	0.00
18,882.0	90.00	179.46	10,645.0	-7,624.9	-139.7	7,626.0	0.00	0.00	0.00
18,883.0	90.00	179.46	10,645.0	-7,625.9	-139.7	7,627.0	0.00	0.00	0.00
18,884.0	90.00	179.46	10,645.0	-7,626.9	-139.7	7,628.0	0.00	0.00	0.00
18,885.0	90.00	179.46	10,645.0	-7,627.9	-139.7	7,629.0	0.00	0.00	0.00
18,886.0	90.00	179.46	10,645.0	-7,628.9	-139.7	7,630.0	0.00	0.00	0.00
18,887.0	90.00	179.46	10,645.0	-7,629.9	-139.7	7,631.0	0.00	0.00	0.00
18,888.0	90.00	179.46	10,645.0	-7,630.9	-139.7	7,632.0	0.00	0.00	0.00
18,889.0	90.00	179.46	10,645.0	-7,631.9	-139.7	7,633.0	0.00	0.00	0.00
18,890.0	90.00	179.46	10,645.0	-7,632.9	-139.6	7,634.0	0.00	0.00	0.00
18,891.0	90.00	179.46	10,645.0	-7,633.9	-139.6	7,635.0	0.00	0.00	0.00
18,892.0	90.00	179.46	10,645.0	-7,634.9	-139.6	7,636.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,893.0	90.00	179.46	10,645.0	-7,635.9	-139.6	7,637.0	0.00	0.00	0.00
18,894.0	90.00	179.46	10,645.0	-7,636.9	-139.6	7,638.0	0.00	0.00	0.00
18,895.0	90.00	179.46	10,645.0	-7,637.9	-139.6	7,639.0	0.00	0.00	0.00
18,896.0	90.00	179.46	10,645.0	-7,638.9	-139.6	7,640.0	0.00	0.00	0.00
18,897.0	90.00	179.46	10,645.0	-7,639.9	-139.6	7,641.0	0.00	0.00	0.00
18,898.0	90.00	179.46	10,645.0	-7,640.9	-139.6	7,642.0	0.00	0.00	0.00
18,899.0	90.00	179.46	10,645.0	-7,641.9	-139.6	7,643.0	0.00	0.00	0.00
18,900.0	90.00	179.46	10,645.0	-7,642.9	-139.5	7,644.0	0.05	0.00	0.05
18,901.0	90.00	179.46	10,645.0	-7,643.9	-139.5	7,645.0	0.00	0.00	0.00
18,902.0	90.00	179.46	10,645.0	-7,644.9	-139.5	7,646.0	0.00	0.00	0.00
18,903.0	90.00	179.46	10,645.0	-7,645.9	-139.5	7,647.0	0.00	0.00	0.00
18,904.0	90.00	179.46	10,645.0	-7,646.9	-139.5	7,648.0	0.00	0.00	0.00
18,905.0	90.00	179.46	10,645.0	-7,647.9	-139.5	7,649.0	0.00	0.00	0.00
18,906.0	90.00	179.46	10,645.0	-7,648.9	-139.5	7,650.0	0.00	0.00	0.00
18,907.0	90.00	179.46	10,645.0	-7,649.9	-139.5	7,651.0	0.00	0.00	0.00
18,908.0	90.00	179.46	10,645.0	-7,650.9	-139.5	7,652.0	0.00	0.00	0.00
18,909.0	90.00	179.46	10,645.0	-7,651.9	-139.5	7,653.0	0.00	0.00	0.00
18,910.0	90.00	179.46	10,645.0	-7,652.9	-139.5	7,654.0	0.00	0.00	0.00
18,911.0	90.00	179.46	10,645.0	-7,653.9	-139.4	7,655.0	0.00	0.00	0.00
18,912.0	90.00	179.46	10,645.0	-7,654.9	-139.4	7,656.0	0.00	0.00	0.00
18,913.0	90.00	179.46	10,645.0	-7,655.9	-139.4	7,657.0	0.00	0.00	0.00
18,914.0	90.00	179.46	10,645.0	-7,656.9	-139.4	7,658.0	0.00	0.00	0.00
18,915.0	90.00	179.46	10,645.0	-7,657.9	-139.4	7,659.0	0.00	0.00	0.00
18,916.0	90.00	179.46	10,645.0	-7,658.9	-139.4	7,660.0	0.00	0.00	0.00
18,917.0	90.00	179.46	10,645.0	-7,659.9	-139.4	7,661.0	0.00	0.00	0.00
18,918.0	90.00	179.46	10,645.0	-7,660.9	-139.4	7,662.0	0.00	0.00	0.00
18,919.0	90.00	179.46	10,645.0	-7,661.9	-139.4	7,663.0	0.00	0.00	0.00
18,920.0	90.00	179.46	10,645.0	-7,662.9	-139.4	7,664.0	0.00	0.00	0.00
18,921.0	90.00	179.46	10,645.0	-7,663.9	-139.4	7,665.0	0.00	0.00	0.00
18,922.0	90.00	179.46	10,645.0	-7,664.9	-139.3	7,666.0	0.00	0.00	0.00
18,923.0	90.00	179.46	10,645.0	-7,665.9	-139.3	7,667.0	0.00	0.00	0.00
18,924.0	90.00	179.46	10,645.0	-7,666.9	-139.3	7,668.0	0.00	0.00	0.00
18,925.0	90.00	179.46	10,645.0	-7,667.9	-139.3	7,669.0	0.00	0.00	0.00
18,926.0	90.00	179.46	10,645.0	-7,668.9	-139.3	7,670.0	0.00	0.00	0.00
18,927.0	90.00	179.46	10,645.0	-7,669.9	-139.3	7,671.0	0.00	0.00	0.00
18,928.0	90.00	179.46	10,645.0	-7,670.9	-139.3	7,672.0	0.00	0.00	0.00
18,929.0	90.00	179.46	10,645.0	-7,671.9	-139.3	7,673.0	0.00	0.00	0.00
18,930.0	90.00	179.46	10,645.0	-7,672.9	-139.3	7,674.0	0.00	0.00	0.00
18,931.0	90.00	179.46	10,645.0	-7,673.9	-139.3	7,675.0	0.00	0.00	0.00
18,932.0	90.00	179.46	10,645.0	-7,674.9	-139.2	7,676.0	0.00	0.00	0.00
18,933.0	90.00	179.46	10,645.0	-7,675.9	-139.2	7,677.0	0.00	0.00	0.00
18,934.0	90.00	179.46	10,645.0	-7,676.9	-139.2	7,678.0	0.00	0.00	0.00
18,935.0	90.00	179.46	10,645.0	-7,677.9	-139.2	7,679.0	0.00	0.00	0.00
18,936.0	90.00	179.46	10,645.0	-7,678.9	-139.2	7,680.0	0.00	0.00	0.00
18,937.0	90.00	179.46	10,645.0	-7,679.9	-139.2	7,681.0	0.00	0.00	0.00
18,938.0	90.00	179.46	10,645.0	-7,680.9	-139.2	7,682.0	0.00	0.00	0.00
18,939.0	90.00	179.46	10,645.0	-7,681.9	-139.2	7,683.0	0.00	0.00	0.00
18,940.0	90.00	179.46	10,645.0	-7,682.9	-139.2	7,684.0	0.00	0.00	0.00
18,941.0	90.00	179.46	10,645.0	-7,683.9	-139.2	7,685.0	0.00	0.00	0.00
18,942.0	90.00	179.46	10,645.0	-7,684.9	-139.2	7,686.0	0.00	0.00	0.00
18,943.0	90.00	179.46	10,645.0	-7,685.9	-139.1	7,687.0	0.00	0.00	0.00
18,944.0	90.00	179.46	10,645.0	-7,686.9	-139.1	7,688.0	0.00	0.00	0.00
18,945.0	90.00	179.46	10,645.0	-7,687.9	-139.1	7,689.0	0.00	0.00	0.00
18,946.0	90.00	179.46	10,645.0	-7,688.9	-139.1	7,690.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,947.0	90.00	179.46	10,645.0	-7,689.9	-139.1	7,691.0	0.00	0.00	0.00
18,948.0	90.00	179.46	10,645.0	-7,690.9	-139.1	7,692.0	0.00	0.00	0.00
18,949.0	90.00	179.46	10,645.0	-7,691.9	-139.1	7,693.0	0.00	0.00	0.00
18,950.0	90.00	179.46	10,645.0	-7,692.9	-139.1	7,694.0	0.00	0.00	0.00
18,951.0	90.00	179.46	10,645.0	-7,693.9	-139.1	7,695.0	0.00	0.00	0.00
18,952.0	90.00	179.46	10,645.0	-7,694.9	-139.1	7,696.0	0.00	0.00	0.00
18,953.0	90.00	179.46	10,645.0	-7,695.9	-139.0	7,697.0	0.00	0.00	0.00
18,954.0	90.00	179.46	10,645.0	-7,696.9	-139.0	7,698.0	0.00	0.00	0.00
18,955.0	90.00	179.46	10,645.0	-7,697.9	-139.0	7,699.0	0.00	0.00	0.00
18,956.0	90.00	179.46	10,645.0	-7,698.9	-139.0	7,700.0	0.00	0.00	0.00
18,957.0	90.00	179.46	10,645.0	-7,699.9	-139.0	7,701.0	0.00	0.00	0.00
18,958.0	90.00	179.46	10,645.0	-7,700.9	-139.0	7,702.0	0.00	0.00	0.00
18,959.0	90.00	179.46	10,645.0	-7,701.9	-139.0	7,703.0	0.00	0.00	0.00
18,960.0	90.00	179.46	10,645.0	-7,702.9	-139.0	7,704.0	0.00	0.00	0.00
18,961.0	90.00	179.46	10,645.0	-7,703.9	-139.0	7,705.0	0.00	0.00	0.00
18,962.0	90.00	179.46	10,645.0	-7,704.9	-139.0	7,706.0	0.00	0.00	0.00
18,963.0	90.00	179.46	10,645.0	-7,705.9	-139.0	7,707.0	0.00	0.00	0.00
18,964.0	90.00	179.46	10,645.0	-7,706.9	-138.9	7,708.0	0.00	0.00	0.00
18,965.0	90.00	179.46	10,645.0	-7,707.9	-138.9	7,709.0	0.00	0.00	0.00
18,966.0	90.00	179.46	10,645.0	-7,708.9	-138.9	7,710.0	0.00	0.00	0.00
18,967.0	90.00	179.46	10,645.0	-7,709.9	-138.9	7,711.0	0.00	0.00	0.00
18,968.0	90.00	179.46	10,645.0	-7,710.9	-138.9	7,712.0	0.00	0.00	0.00
18,969.0	90.00	179.46	10,645.0	-7,711.9	-138.9	7,713.0	0.00	0.00	0.00
18,970.0	90.00	179.46	10,645.0	-7,712.9	-138.9	7,714.0	0.00	0.00	0.00
18,971.0	90.00	179.46	10,645.0	-7,713.9	-138.9	7,715.0	0.00	0.00	0.00
18,972.0	90.00	179.46	10,645.0	-7,714.9	-138.9	7,716.0	0.00	0.00	0.00
18,973.0	90.00	179.46	10,645.0	-7,715.9	-138.9	7,717.0	0.00	0.00	0.00
18,974.0	90.00	179.46	10,645.0	-7,716.9	-138.9	7,718.0	0.00	0.00	0.00
18,975.0	90.00	179.46	10,645.0	-7,717.9	-138.8	7,719.0	0.00	0.00	0.00
18,976.0	90.00	179.46	10,645.0	-7,718.9	-138.8	7,720.0	0.00	0.00	0.00
18,977.0	90.00	179.46	10,645.0	-7,719.9	-138.8	7,721.0	0.00	0.00	0.00
18,978.0	90.00	179.46	10,645.0	-7,720.9	-138.8	7,722.0	0.00	0.00	0.00
18,979.0	90.00	179.46	10,645.0	-7,721.9	-138.8	7,723.0	0.00	0.00	0.00
18,980.0	90.00	179.46	10,645.0	-7,722.9	-138.8	7,724.0	0.00	0.00	0.00
18,981.0	90.00	179.46	10,645.0	-7,723.9	-138.8	7,725.0	0.00	0.00	0.00
18,982.0	90.00	179.46	10,645.0	-7,724.9	-138.8	7,726.0	0.00	0.00	0.00
18,983.0	90.00	179.46	10,645.0	-7,725.9	-138.8	7,727.0	0.00	0.00	0.00
18,984.0	90.00	179.46	10,645.0	-7,726.9	-138.8	7,728.0	0.00	0.00	0.00
18,985.0	90.00	179.46	10,645.0	-7,727.9	-138.7	7,729.0	0.00	0.00	0.00
18,986.0	90.00	179.46	10,645.0	-7,728.9	-138.7	7,730.0	0.00	0.00	0.00
18,987.0	90.00	179.46	10,645.0	-7,729.9	-138.7	7,731.0	0.00	0.00	0.00
18,988.0	90.00	179.46	10,645.0	-7,730.9	-138.7	7,732.0	0.00	0.00	0.00
18,989.0	90.00	179.46	10,645.0	-7,731.9	-138.7	7,733.0	0.00	0.00	0.00
18,990.0	90.00	179.46	10,645.0	-7,732.9	-138.7	7,734.0	0.00	0.00	0.00
18,991.0	90.00	179.46	10,645.0	-7,733.9	-138.7	7,735.0	0.00	0.00	0.00
18,992.0	90.00	179.46	10,645.0	-7,734.9	-138.7	7,736.0	0.00	0.00	0.00
18,993.0	90.00	179.46	10,645.0	-7,735.9	-138.7	7,737.0	0.00	0.00	0.00
18,994.0	90.00	179.46	10,645.0	-7,736.9	-138.7	7,738.0	0.00	0.00	0.00
18,995.0	90.00	179.46	10,645.0	-7,737.9	-138.7	7,739.0	0.00	0.00	0.00
18,996.0	90.00	179.46	10,645.0	-7,738.9	-138.6	7,740.0	0.00	0.00	0.00
18,997.0	90.00	179.46	10,645.0	-7,739.9	-138.6	7,741.0	0.00	0.00	0.00
18,998.0	90.00	179.46	10,645.0	-7,740.9	-138.6	7,742.0	0.00	0.00	0.00
18,999.0	90.00	179.46	10,645.0	-7,741.9	-138.6	7,743.0	0.00	0.00	0.00
19,000.0	90.00	179.46	10,645.0	-7,742.9	-138.6	7,744.0	0.05	0.00	0.05



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,001.0	90.00	179.46	10,645.0	-7,743.9	-138.6	7,745.0	0.00	0.00	0.00
19,002.0	90.00	179.46	10,645.0	-7,744.9	-138.6	7,746.0	0.00	0.00	0.00
19,003.0	90.00	179.46	10,645.0	-7,745.9	-138.6	7,747.0	0.00	0.00	0.00
19,004.0	90.00	179.46	10,645.0	-7,746.9	-138.6	7,748.0	0.00	0.00	0.00
19,005.0	90.00	179.46	10,645.0	-7,747.9	-138.6	7,749.0	0.00	0.00	0.00
19,006.0	90.00	179.46	10,645.0	-7,748.9	-138.5	7,750.0	0.00	0.00	0.00
19,007.0	90.00	179.46	10,645.0	-7,749.9	-138.5	7,751.0	0.00	0.00	0.00
19,008.0	90.00	179.46	10,645.0	-7,750.9	-138.5	7,752.0	0.00	0.00	0.00
19,009.0	90.00	179.46	10,645.0	-7,751.9	-138.5	7,753.0	0.00	0.00	0.00
19,010.0	90.00	179.46	10,645.0	-7,752.9	-138.5	7,754.0	0.00	0.00	0.00
19,011.0	90.00	179.46	10,645.0	-7,753.9	-138.5	7,755.0	0.00	0.00	0.00
19,012.0	90.00	179.46	10,645.0	-7,754.9	-138.5	7,756.0	0.00	0.00	0.00
19,013.0	90.00	179.46	10,645.0	-7,755.9	-138.5	7,757.0	0.00	0.00	0.00
19,014.0	90.00	179.46	10,645.0	-7,756.9	-138.5	7,758.0	0.00	0.00	0.00
19,015.0	90.00	179.46	10,645.0	-7,757.9	-138.5	7,759.0	0.00	0.00	0.00
19,016.0	90.00	179.46	10,645.0	-7,758.9	-138.5	7,760.0	0.00	0.00	0.00
19,017.0	90.00	179.46	10,645.0	-7,759.9	-138.4	7,761.0	0.00	0.00	0.00
19,018.0	90.00	179.46	10,645.0	-7,760.9	-138.4	7,762.0	0.00	0.00	0.00
19,019.0	90.00	179.46	10,645.0	-7,761.9	-138.4	7,763.0	0.00	0.00	0.00
19,020.0	90.00	179.46	10,645.0	-7,762.9	-138.4	7,764.0	0.00	0.00	0.00
19,021.0	90.00	179.46	10,645.0	-7,763.9	-138.4	7,765.0	0.00	0.00	0.00
19,022.0	90.00	179.46	10,645.0	-7,764.9	-138.4	7,766.0	0.00	0.00	0.00
19,023.0	90.00	179.46	10,645.0	-7,765.9	-138.4	7,767.0	0.00	0.00	0.00
19,024.0	90.00	179.46	10,645.0	-7,766.9	-138.4	7,768.0	0.00	0.00	0.00
19,025.0	90.00	179.46	10,645.0	-7,767.9	-138.4	7,769.0	0.00	0.00	0.00
19,026.0	90.00	179.46	10,645.0	-7,768.9	-138.4	7,770.0	0.00	0.00	0.00
19,027.0	90.00	179.46	10,645.0	-7,769.9	-138.4	7,771.0	0.00	0.00	0.00
19,028.0	90.00	179.46	10,645.0	-7,770.9	-138.3	7,772.0	0.00	0.00	0.00
19,029.0	90.00	179.46	10,645.0	-7,771.9	-138.3	7,773.0	0.00	0.00	0.00
19,030.0	90.00	179.46	10,645.0	-7,772.9	-138.3	7,774.0	0.00	0.00	0.00
19,031.0	90.00	179.46	10,645.0	-7,773.9	-138.3	7,775.0	0.00	0.00	0.00
19,032.0	90.00	179.46	10,645.0	-7,774.9	-138.3	7,776.0	0.00	0.00	0.00
19,033.0	90.00	179.46	10,645.0	-7,775.9	-138.3	7,777.0	0.00	0.00	0.00
19,034.0	90.00	179.46	10,645.0	-7,776.9	-138.3	7,778.0	0.00	0.00	0.00
19,035.0	90.00	179.46	10,645.0	-7,777.9	-138.3	7,779.0	0.00	0.00	0.00
19,036.0	90.00	179.46	10,645.0	-7,778.9	-138.3	7,780.0	0.00	0.00	0.00
19,037.0	90.00	179.46	10,645.0	-7,779.9	-138.3	7,781.0	0.00	0.00	0.00
19,038.0	90.00	179.46	10,645.0	-7,780.9	-138.2	7,782.0	0.00	0.00	0.00
19,039.0	90.00	179.46	10,645.0	-7,781.9	-138.2	7,783.0	0.00	0.00	0.00
19,040.0	90.00	179.46	10,645.0	-7,782.9	-138.2	7,784.0	0.00	0.00	0.00
19,041.0	90.00	179.46	10,645.0	-7,783.9	-138.2	7,785.0	0.00	0.00	0.00
19,042.0	90.00	179.46	10,645.0	-7,784.9	-138.2	7,786.0	0.00	0.00	0.00
19,043.0	90.00	179.46	10,645.0	-7,785.9	-138.2	7,787.0	0.00	0.00	0.00
19,044.0	90.00	179.46	10,645.0	-7,786.9	-138.2	7,788.0	0.00	0.00	0.00
19,045.0	90.00	179.46	10,645.0	-7,787.9	-138.2	7,789.0	0.00	0.00	0.00
19,046.0	90.00	179.46	10,645.0	-7,788.9	-138.2	7,790.0	0.00	0.00	0.00
19,047.0	90.00	179.46	10,645.0	-7,789.9	-138.2	7,791.0	0.00	0.00	0.00
19,048.0	90.00	179.46	10,645.0	-7,790.9	-138.2	7,792.0	0.00	0.00	0.00
19,049.0	90.00	179.46	10,645.0	-7,791.9	-138.1	7,793.0	0.00	0.00	0.00
19,050.0	90.00	179.46	10,645.0	-7,792.9	-138.1	7,794.0	0.00	0.00	0.00
19,051.0	90.00	179.46	10,645.0	-7,793.9	-138.1	7,795.0	0.00	0.00	0.00
19,052.0	90.00	179.46	10,645.0	-7,794.9	-138.1	7,796.0	0.00	0.00	0.00
19,053.0	90.00	179.46	10,645.0	-7,795.9	-138.1	7,797.0	0.00	0.00	0.00
19,054.0	90.00	179.46	10,645.0	-7,796.9	-138.1	7,798.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,055.0	90.00	179.46	10,645.0	-7,797.9	-138.1	7,799.0	0.00	0.00	0.00
19,056.0	90.00	179.46	10,645.0	-7,798.9	-138.1	7,800.0	0.00	0.00	0.00
19,057.0	90.00	179.46	10,645.0	-7,799.9	-138.1	7,801.0	0.00	0.00	0.00
19,058.0	90.00	179.46	10,645.0	-7,800.9	-138.1	7,802.0	0.00	0.00	0.00
19,059.0	90.00	179.46	10,645.0	-7,801.9	-138.1	7,803.0	0.00	0.00	0.00
19,060.0	90.00	179.46	10,645.0	-7,802.9	-138.0	7,804.0	0.00	0.00	0.00
19,061.0	90.00	179.46	10,645.0	-7,803.9	-138.0	7,805.0	0.00	0.00	0.00
19,062.0	90.00	179.46	10,645.0	-7,804.9	-138.0	7,806.0	0.00	0.00	0.00
19,063.0	90.00	179.46	10,645.0	-7,805.9	-138.0	7,807.0	0.00	0.00	0.00
19,064.0	90.00	179.46	10,645.0	-7,806.9	-138.0	7,808.0	0.00	0.00	0.00
19,065.0	90.00	179.46	10,645.0	-7,807.9	-138.0	7,809.0	0.00	0.00	0.00
19,066.0	90.00	179.46	10,645.0	-7,808.9	-138.0	7,810.0	0.00	0.00	0.00
19,067.0	90.00	179.46	10,645.0	-7,809.9	-138.0	7,811.0	0.00	0.00	0.00
19,068.0	90.00	179.46	10,645.0	-7,810.9	-138.0	7,812.0	0.00	0.00	0.00
19,069.0	90.00	179.46	10,645.0	-7,811.9	-138.0	7,813.0	0.00	0.00	0.00
19,070.0	90.00	179.46	10,645.0	-7,812.9	-137.9	7,814.0	0.00	0.00	0.00
19,071.0	90.00	179.46	10,645.0	-7,813.9	-137.9	7,815.0	0.00	0.00	0.00
19,072.0	90.00	179.46	10,645.0	-7,814.9	-137.9	7,816.0	0.00	0.00	0.00
19,073.0	90.00	179.46	10,645.0	-7,815.9	-137.9	7,817.0	0.00	0.00	0.00
19,074.0	90.00	179.46	10,645.0	-7,816.9	-137.9	7,818.0	0.00	0.00	0.00
19,075.0	90.00	179.46	10,645.0	-7,817.9	-137.9	7,819.0	0.00	0.00	0.00
19,076.0	90.00	179.46	10,645.0	-7,818.9	-137.9	7,820.0	0.00	0.00	0.00
19,077.0	90.00	179.46	10,645.0	-7,819.9	-137.9	7,821.0	0.00	0.00	0.00
19,078.0	90.00	179.46	10,645.0	-7,820.9	-137.9	7,822.0	0.00	0.00	0.00
19,079.0	90.00	179.46	10,645.0	-7,821.9	-137.9	7,823.0	0.00	0.00	0.00
19,080.0	90.00	179.46	10,645.0	-7,822.9	-137.9	7,824.0	0.00	0.00	0.00
19,081.0	90.00	179.46	10,645.0	-7,823.9	-137.8	7,825.0	0.00	0.00	0.00
19,082.0	90.00	179.46	10,645.0	-7,824.9	-137.8	7,826.0	0.00	0.00	0.00
19,083.0	90.00	179.46	10,645.0	-7,825.9	-137.8	7,827.0	0.00	0.00	0.00
19,084.0	90.00	179.46	10,645.0	-7,826.9	-137.8	7,828.0	0.00	0.00	0.00
19,085.0	90.00	179.46	10,645.0	-7,827.9	-137.8	7,829.0	0.00	0.00	0.00
19,086.0	90.00	179.46	10,645.0	-7,828.9	-137.8	7,830.0	0.00	0.00	0.00
19,087.0	90.00	179.46	10,645.0	-7,829.9	-137.8	7,831.0	0.00	0.00	0.00
19,088.0	90.00	179.46	10,645.0	-7,830.9	-137.8	7,832.0	0.00	0.00	0.00
19,089.0	90.00	179.46	10,645.0	-7,831.9	-137.8	7,833.0	0.00	0.00	0.00
19,090.0	90.00	179.46	10,645.0	-7,832.9	-137.8	7,834.0	0.00	0.00	0.00
19,091.0	90.00	179.46	10,645.0	-7,833.9	-137.7	7,835.0	0.00	0.00	0.00
19,092.0	90.00	179.46	10,645.0	-7,834.9	-137.7	7,836.0	0.00	0.00	0.00
19,093.0	90.00	179.46	10,645.0	-7,835.9	-137.7	7,837.0	0.00	0.00	0.00
19,094.0	90.00	179.46	10,645.0	-7,836.9	-137.7	7,838.0	0.00	0.00	0.00
19,095.0	90.00	179.46	10,645.0	-7,837.9	-137.7	7,839.0	0.00	0.00	0.00
19,096.0	90.00	179.46	10,645.0	-7,838.9	-137.7	7,840.0	0.00	0.00	0.00
19,097.0	90.00	179.46	10,645.0	-7,839.9	-137.7	7,841.0	0.00	0.00	0.00
19,098.0	90.00	179.46	10,645.0	-7,840.9	-137.7	7,842.0	0.00	0.00	0.00
19,099.0	90.00	179.46	10,645.0	-7,841.9	-137.7	7,843.0	0.00	0.00	0.00
19,100.0	90.00	179.46	10,645.0	-7,842.9	-137.7	7,844.0	0.05	0.00	0.05
19,101.0	90.00	179.46	10,645.0	-7,843.9	-137.7	7,845.0	0.00	0.00	0.00
19,102.0	90.00	179.46	10,645.0	-7,844.9	-137.6	7,846.0	0.00	0.00	0.00
19,103.0	90.00	179.46	10,645.0	-7,845.9	-137.6	7,847.0	0.00	0.00	0.00
19,104.0	90.00	179.46	10,645.0	-7,846.9	-137.6	7,848.0	0.00	0.00	0.00
19,105.0	90.00	179.46	10,645.0	-7,847.9	-137.6	7,849.0	0.00	0.00	0.00
19,106.0	90.00	179.46	10,645.0	-7,848.9	-137.6	7,850.0	0.00	0.00	0.00
19,107.0	90.00	179.46	10,645.0	-7,849.9	-137.6	7,851.0	0.00	0.00	0.00
19,108.0	90.00	179.46	10,645.0	-7,850.9	-137.6	7,852.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,109.0	90.00	179.46	10,645.0	-7,851.9	-137.6	7,853.0	0.00	0.00	0.00
19,110.0	90.00	179.46	10,645.0	-7,852.9	-137.6	7,854.0	0.00	0.00	0.00
19,111.0	90.00	179.46	10,645.0	-7,853.9	-137.6	7,855.0	0.00	0.00	0.00
19,112.0	90.00	179.46	10,645.0	-7,854.9	-137.6	7,856.0	0.00	0.00	0.00
19,113.0	90.00	179.46	10,645.0	-7,855.9	-137.5	7,857.0	0.00	0.00	0.00
19,114.0	90.00	179.46	10,645.0	-7,856.9	-137.5	7,858.0	0.00	0.00	0.00
19,115.0	90.00	179.46	10,645.0	-7,857.9	-137.5	7,859.0	0.00	0.00	0.00
19,116.0	90.00	179.46	10,645.0	-7,858.9	-137.5	7,860.0	0.00	0.00	0.00
19,117.0	90.00	179.46	10,645.0	-7,859.9	-137.5	7,861.0	0.00	0.00	0.00
19,118.0	90.00	179.46	10,645.0	-7,860.9	-137.5	7,862.0	0.00	0.00	0.00
19,119.0	90.00	179.46	10,645.0	-7,861.9	-137.5	7,863.0	0.00	0.00	0.00
19,120.0	90.00	179.46	10,645.0	-7,862.9	-137.5	7,864.0	0.00	0.00	0.00
19,121.0	90.00	179.46	10,645.0	-7,863.9	-137.5	7,865.0	0.00	0.00	0.00
19,122.0	90.00	179.46	10,645.0	-7,864.9	-137.5	7,866.0	0.00	0.00	0.00
19,123.0	90.00	179.46	10,645.0	-7,865.9	-137.4	7,867.0	0.00	0.00	0.00
19,124.0	90.00	179.46	10,645.0	-7,866.9	-137.4	7,868.0	0.00	0.00	0.00
19,125.0	90.00	179.46	10,645.0	-7,867.9	-137.4	7,869.0	0.00	0.00	0.00
19,126.0	90.00	179.46	10,645.0	-7,868.9	-137.4	7,870.0	0.00	0.00	0.00
19,127.0	90.00	179.46	10,645.0	-7,869.9	-137.4	7,871.0	0.00	0.00	0.00
19,128.0	90.00	179.46	10,645.0	-7,870.9	-137.4	7,872.0	0.00	0.00	0.00
19,129.0	90.00	179.46	10,645.0	-7,871.9	-137.4	7,873.0	0.00	0.00	0.00
19,130.0	90.00	179.46	10,645.0	-7,872.9	-137.4	7,874.0	0.00	0.00	0.00
19,131.0	90.00	179.46	10,645.0	-7,873.9	-137.4	7,875.0	0.00	0.00	0.00
19,132.0	90.00	179.46	10,645.0	-7,874.9	-137.4	7,876.0	0.00	0.00	0.00
19,133.0	90.00	179.46	10,645.0	-7,875.9	-137.4	7,877.0	0.00	0.00	0.00
19,134.0	90.00	179.46	10,645.0	-7,876.9	-137.3	7,878.0	0.00	0.00	0.00
19,135.0	90.00	179.46	10,645.0	-7,877.9	-137.3	7,879.0	0.00	0.00	0.00
19,136.0	90.00	179.46	10,645.0	-7,878.9	-137.3	7,880.0	0.00	0.00	0.00
19,137.0	90.00	179.46	10,645.0	-7,879.9	-137.3	7,881.0	0.00	0.00	0.00
19,138.0	90.00	179.46	10,645.0	-7,880.9	-137.3	7,882.0	0.00	0.00	0.00
19,139.0	90.00	179.46	10,645.0	-7,881.9	-137.3	7,883.0	0.00	0.00	0.00
19,140.0	90.00	179.46	10,645.0	-7,882.9	-137.3	7,884.0	0.00	0.00	0.00
19,141.0	90.00	179.46	10,645.0	-7,883.9	-137.3	7,885.0	0.00	0.00	0.00
19,142.0	90.00	179.46	10,645.0	-7,884.9	-137.3	7,886.0	0.00	0.00	0.00
19,143.0	90.00	179.46	10,645.0	-7,885.9	-137.3	7,887.0	0.00	0.00	0.00
19,144.0	90.00	179.46	10,645.0	-7,886.9	-137.3	7,888.0	0.00	0.00	0.00
19,145.0	90.00	179.46	10,645.0	-7,887.9	-137.2	7,889.0	0.00	0.00	0.00
19,146.0	90.00	179.46	10,645.0	-7,888.9	-137.2	7,890.0	0.00	0.00	0.00
19,147.0	90.00	179.46	10,645.0	-7,889.9	-137.2	7,891.0	0.00	0.00	0.00
19,148.0	90.00	179.46	10,645.0	-7,890.9	-137.2	7,892.0	0.00	0.00	0.00
19,149.0	90.00	179.46	10,645.0	-7,891.9	-137.2	7,893.0	0.00	0.00	0.00
19,150.0	90.00	179.46	10,645.0	-7,892.9	-137.2	7,894.0	0.00	0.00	0.00
19,151.0	90.00	179.46	10,645.0	-7,893.9	-137.2	7,895.0	0.00	0.00	0.00
19,152.0	90.00	179.46	10,645.0	-7,894.9	-137.2	7,896.0	0.00	0.00	0.00
19,153.0	90.00	179.46	10,645.0	-7,895.9	-137.2	7,897.0	0.00	0.00	0.00
19,154.0	90.00	179.46	10,645.0	-7,896.9	-137.2	7,898.0	0.00	0.00	0.00
19,155.0	90.00	179.46	10,645.0	-7,897.9	-137.1	7,899.0	0.00	0.00	0.00
19,156.0	90.00	179.46	10,645.0	-7,898.9	-137.1	7,900.0	0.00	0.00	0.00
19,157.0	90.00	179.46	10,645.0	-7,899.9	-137.1	7,901.0	0.00	0.00	0.00
19,158.0	90.00	179.46	10,645.0	-7,900.9	-137.1	7,902.0	0.00	0.00	0.00
19,159.0	90.00	179.46	10,645.0	-7,901.9	-137.1	7,903.0	0.00	0.00	0.00
19,160.0	90.00	179.46	10,645.0	-7,902.9	-137.1	7,904.0	0.00	0.00	0.00
19,161.0	90.00	179.46	10,645.0	-7,903.9	-137.1	7,905.0	0.00	0.00	0.00
19,162.0	90.00	179.46	10,645.0	-7,904.9	-137.1	7,906.0	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,163.0	90.00	179.46	10,645.0	-7,905.9	-137.1	7,907.0	0.00	0.00	0.00
19,164.0	90.00	179.46	10,645.0	-7,906.9	-137.1	7,908.0	0.00	0.00	0.00
19,165.0	90.00	179.46	10,645.0	-7,907.9	-137.1	7,909.0	0.00	0.00	0.00
19,166.0	90.00	179.46	10,645.0	-7,908.9	-137.0	7,910.0	0.00	0.00	0.00
19,167.0	90.00	179.46	10,645.0	-7,909.9	-137.0	7,911.0	0.00	0.00	0.00
19,168.0	90.00	179.46	10,645.0	-7,910.9	-137.0	7,912.0	0.00	0.00	0.00
19,169.0	90.00	179.46	10,645.0	-7,911.9	-137.0	7,913.0	0.00	0.00	0.00
19,170.0	90.00	179.46	10,645.0	-7,912.9	-137.0	7,914.0	0.00	0.00	0.00
19,171.0	90.00	179.46	10,645.0	-7,913.9	-137.0	7,915.0	0.00	0.00	0.00
19,172.0	90.00	179.46	10,645.0	-7,914.9	-137.0	7,916.0	0.00	0.00	0.00
19,173.0	90.00	179.46	10,645.0	-7,915.9	-137.0	7,917.0	0.00	0.00	0.00
19,174.0	90.00	179.46	10,645.0	-7,916.9	-137.0	7,918.0	0.00	0.00	0.00
19,175.0	90.00	179.46	10,645.0	-7,917.9	-137.0	7,918.9	0.00	0.00	0.00
19,176.0	90.00	179.46	10,645.0	-7,918.9	-136.9	7,919.9	0.00	0.00	0.00
19,177.0	90.00	179.46	10,645.0	-7,919.9	-136.9	7,920.9	0.00	0.00	0.00
19,178.0	90.00	179.46	10,645.0	-7,920.9	-136.9	7,921.9	0.00	0.00	0.00
19,179.0	90.00	179.46	10,645.0	-7,921.9	-136.9	7,922.9	0.00	0.00	0.00
19,180.0	90.00	179.46	10,645.0	-7,922.9	-136.9	7,923.9	0.00	0.00	0.00
19,181.0	90.00	179.46	10,645.0	-7,923.9	-136.9	7,924.9	0.00	0.00	0.00
19,182.0	90.00	179.46	10,645.0	-7,924.9	-136.9	7,925.9	0.00	0.00	0.00
19,183.0	90.00	179.46	10,645.0	-7,925.9	-136.9	7,926.9	0.00	0.00	0.00
19,184.0	90.00	179.46	10,645.0	-7,926.9	-136.9	7,927.9	0.00	0.00	0.00
19,185.0	90.00	179.46	10,645.0	-7,927.9	-136.9	7,928.9	0.00	0.00	0.00
19,186.0	90.00	179.46	10,645.0	-7,928.9	-136.9	7,929.9	0.00	0.00	0.00
19,187.0	90.00	179.46	10,645.0	-7,929.9	-136.8	7,930.9	0.00	0.00	0.00
19,188.0	90.00	179.46	10,645.0	-7,930.9	-136.8	7,931.9	0.00	0.00	0.00
19,189.0	90.00	179.46	10,645.0	-7,931.9	-136.8	7,932.9	0.00	0.00	0.00
19,190.0	90.00	179.46	10,645.0	-7,932.9	-136.8	7,933.9	0.00	0.00	0.00
19,191.0	90.00	179.46	10,645.0	-7,933.9	-136.8	7,934.9	0.00	0.00	0.00
19,192.0	90.00	179.46	10,645.0	-7,934.9	-136.8	7,935.9	0.00	0.00	0.00
19,193.0	90.00	179.46	10,645.0	-7,935.9	-136.8	7,936.9	0.00	0.00	0.00
19,194.0	90.00	179.46	10,645.0	-7,936.9	-136.8	7,937.9	0.00	0.00	0.00
19,195.0	90.00	179.46	10,645.0	-7,937.9	-136.8	7,938.9	0.00	0.00	0.00
19,196.0	90.00	179.46	10,645.0	-7,938.9	-136.8	7,939.9	0.00	0.00	0.00
19,197.0	90.00	179.46	10,645.0	-7,939.9	-136.8	7,940.9	0.00	0.00	0.00
19,198.0	90.00	179.46	10,645.0	-7,940.9	-136.7	7,941.9	0.00	0.00	0.00
19,199.0	90.00	179.46	10,645.0	-7,941.9	-136.7	7,942.9	0.00	0.00	0.00
19,200.0	90.00	179.46	10,645.0	-7,942.9	-136.7	7,943.9	0.05	0.00	0.05
19,201.0	90.00	179.46	10,645.0	-7,943.9	-136.7	7,944.9	0.00	0.00	0.00
19,202.0	90.00	179.46	10,645.0	-7,944.9	-136.7	7,945.9	0.00	0.00	0.00
19,203.0	90.00	179.46	10,645.0	-7,945.9	-136.7	7,946.9	0.00	0.00	0.00
19,204.0	90.00	179.46	10,645.0	-7,946.9	-136.7	7,947.9	0.00	0.00	0.00
19,205.0	90.00	179.46	10,645.0	-7,947.9	-136.7	7,948.9	0.00	0.00	0.00
19,206.0	90.00	179.46	10,645.0	-7,948.9	-136.7	7,949.9	0.00	0.00	0.00
19,207.0	90.00	179.46	10,645.0	-7,949.9	-136.7	7,950.9	0.00	0.00	0.00
19,208.0	90.00	179.46	10,645.0	-7,950.9	-136.6	7,951.9	0.00	0.00	0.00
19,209.0	90.00	179.46	10,645.0	-7,951.9	-136.6	7,952.9	0.00	0.00	0.00
19,210.0	90.00	179.46	10,645.0	-7,952.9	-136.6	7,953.9	0.00	0.00	0.00
19,211.0	90.00	179.46	10,645.0	-7,953.9	-136.6	7,954.9	0.00	0.00	0.00
19,212.0	90.00	179.46	10,645.0	-7,954.9	-136.6	7,955.9	0.00	0.00	0.00
19,213.0	90.00	179.46	10,645.0	-7,955.9	-136.6	7,956.9	0.00	0.00	0.00
19,214.0	90.00	179.46	10,645.0	-7,956.9	-136.6	7,957.9	0.00	0.00	0.00
19,215.0	90.00	179.46	10,645.0	-7,957.9	-136.6	7,958.9	0.00	0.00	0.00
19,216.0	90.00	179.46	10,645.0	-7,958.9	-136.6	7,959.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,217.0	90.00	179.46	10,645.0	-7,959.9	-136.6	7,960.9	0.00	0.00	0.00	
19,218.0	90.00	179.46	10,645.0	-7,960.9	-136.6	7,961.9	0.00	0.00	0.00	
19,219.0	90.00	179.46	10,645.0	-7,961.9	-136.5	7,962.9	0.00	0.00	0.00	
19,220.0	90.00	179.46	10,645.0	-7,962.9	-136.5	7,963.9	0.00	0.00	0.00	
19,221.0	90.00	179.46	10,645.0	-7,963.9	-136.5	7,964.9	0.00	0.00	0.00	
19,222.0	90.00	179.46	10,645.0	-7,964.9	-136.5	7,965.9	0.00	0.00	0.00	
19,223.0	90.00	179.46	10,645.0	-7,965.9	-136.5	7,966.9	0.00	0.00	0.00	
19,224.0	90.00	179.46	10,645.0	-7,966.9	-136.5	7,967.9	0.00	0.00	0.00	
19,225.0	90.00	179.46	10,645.0	-7,967.9	-136.5	7,968.9	0.00	0.00	0.00	
19,226.0	90.00	179.46	10,645.0	-7,968.9	-136.5	7,969.9	0.00	0.00	0.00	
19,227.0	90.00	179.46	10,645.0	-7,969.9	-136.5	7,970.9	0.00	0.00	0.00	
19,228.0	90.00	179.46	10,645.0	-7,970.9	-136.5	7,971.9	0.00	0.00	0.00	
19,229.0	90.00	179.46	10,645.0	-7,971.9	-136.5	7,972.9	0.00	0.00	0.00	
19,230.0	90.00	179.46	10,645.0	-7,972.9	-136.4	7,973.9	0.00	0.00	0.00	
19,231.0	90.00	179.46	10,645.0	-7,973.9	-136.4	7,974.9	0.00	0.00	0.00	
19,232.0	90.00	179.46	10,645.0	-7,974.9	-136.4	7,975.9	0.00	0.00	0.00	
19,233.0	90.00	179.46	10,645.0	-7,975.9	-136.4	7,976.9	0.00	0.00	0.00	
19,234.0	90.00	179.46	10,645.0	-7,976.9	-136.4	7,977.9	0.00	0.00	0.00	
19,235.0	90.00	179.46	10,645.0	-7,977.9	-136.4	7,978.9	0.00	0.00	0.00	
19,236.0	90.00	179.46	10,645.0	-7,978.9	-136.4	7,979.9	0.00	0.00	0.00	
19,237.0	90.00	179.46	10,645.0	-7,979.9	-136.4	7,980.9	0.00	0.00	0.00	
19,238.0	90.00	179.46	10,645.0	-7,980.9	-136.4	7,981.9	0.00	0.00	0.00	
19,239.0	90.00	179.46	10,645.0	-7,981.9	-136.4	7,982.9	0.00	0.00	0.00	
19,240.0	90.00	179.46	10,645.0	-7,982.9	-136.3	7,983.9	0.00	0.00	0.00	
19,241.0	90.00	179.46	10,645.0	-7,983.9	-136.3	7,984.9	0.00	0.00	0.00	
19,242.0	90.00	179.46	10,645.0	-7,984.9	-136.3	7,985.9	0.00	0.00	0.00	
19,243.0	90.00	179.46	10,645.0	-7,985.9	-136.3	7,986.9	0.00	0.00	0.00	
19,244.0	90.00	179.46	10,645.0	-7,986.9	-136.3	7,987.9	0.00	0.00	0.00	
19,245.0	90.00	179.46	10,645.0	-7,987.9	-136.3	7,988.9	0.00	0.00	0.00	
19,246.0	90.00	179.46	10,645.0	-7,988.9	-136.3	7,989.9	0.00	0.00	0.00	
19,247.0	90.00	179.46	10,645.0	-7,989.9	-136.3	7,990.9	0.00	0.00	0.00	
19,248.0	90.00	179.46	10,645.0	-7,990.9	-136.3	7,991.9	0.00	0.00	0.00	
19,249.0	90.00	179.46	10,645.0	-7,991.9	-136.3	7,992.9	0.00	0.00	0.00	
19,250.0	90.00	179.46	10,645.0	-7,992.9	-136.3	7,993.9	0.00	0.00	0.00	
19,251.0	90.00	179.46	10,645.0	-7,993.9	-136.2	7,994.9	0.00	0.00	0.00	
19,252.0	90.00	179.46	10,645.0	-7,994.9	-136.2	7,995.9	0.00	0.00	0.00	
19,253.0	90.00	179.46	10,645.0	-7,995.9	-136.2	7,996.9	0.00	0.00	0.00	
19,254.0	90.00	179.46	10,645.0	-7,996.9	-136.2	7,997.9	0.00	0.00	0.00	
19,255.0	90.00	179.46	10,645.0	-7,997.9	-136.2	7,998.9	0.00	0.00	0.00	
19,256.0	90.00	179.46	10,645.0	-7,998.9	-136.2	7,999.9	0.00	0.00	0.00	
19,257.0	90.00	179.46	10,645.0	-7,999.9	-136.2	8,000.9	0.00	0.00	0.00	
19,258.0	90.00	179.46	10,645.0	-8,000.9	-136.2	8,001.9	0.00	0.00	0.00	
19,259.0	90.00	179.46	10,645.0	-8,001.9	-136.2	8,002.9	0.00	0.00	0.00	
19,260.0	90.00	179.46	10,645.0	-8,002.9	-136.2	8,003.9	0.00	0.00	0.00	
19,261.0	90.00	179.46	10,645.0	-8,003.9	-136.2	8,004.9	0.00	0.00	0.00	
19,262.0	90.00	179.46	10,645.0	-8,004.9	-136.1	8,005.9	0.00	0.00	0.00	
19,263.0	90.00	179.46	10,645.0	-8,005.9	-136.1	8,006.9	0.00	0.00	0.00	
19,264.0	90.00	179.46	10,645.0	-8,006.9	-136.1	8,007.9	0.00	0.00	0.00	
19,265.0	90.00	179.46	10,645.0	-8,007.9	-136.1	8,008.9	0.00	0.00	0.00	
19,266.0	90.00	179.46	10,645.0	-8,008.9	-136.1	8,009.9	0.00	0.00	0.00	
19,267.0	90.00	179.46	10,645.0	-8,009.8	-136.1	8,010.9	0.00	0.00	0.00	
19,268.0	90.00	179.46	10,645.0	-8,010.8	-136.1	8,011.9	0.00	0.00	0.00	
19,269.0	90.00	179.46	10,645.0	-8,011.8	-136.1	8,012.9	0.00	0.00	0.00	
19,270.0	90.00	179.46	10,645.0	-8,012.8	-136.1	8,013.9	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,271.0	90.00	179.46	10,645.0	-8,013.8	-136.1	8,014.9	0.00	0.00	0.00
19,272.0	90.00	179.46	10,645.0	-8,014.8	-136.0	8,015.9	0.00	0.00	0.00
19,273.0	90.00	179.46	10,645.0	-8,015.8	-136.0	8,016.9	0.00	0.00	0.00
19,274.0	90.00	179.46	10,645.0	-8,016.8	-136.0	8,017.9	0.00	0.00	0.00
19,275.0	90.00	179.46	10,645.0	-8,017.8	-136.0	8,018.9	0.00	0.00	0.00
19,276.0	90.00	179.46	10,645.0	-8,018.8	-136.0	8,019.9	0.00	0.00	0.00
19,277.0	90.00	179.46	10,645.0	-8,019.8	-136.0	8,020.9	0.00	0.00	0.00
19,278.0	90.00	179.46	10,645.0	-8,020.8	-136.0	8,021.9	0.00	0.00	0.00
19,279.0	90.00	179.46	10,645.0	-8,021.8	-136.0	8,022.9	0.00	0.00	0.00
19,280.0	90.00	179.46	10,645.0	-8,022.8	-136.0	8,023.9	0.00	0.00	0.00
19,281.0	90.00	179.46	10,645.0	-8,023.8	-136.0	8,024.9	0.00	0.00	0.00
19,282.0	90.00	179.46	10,645.0	-8,024.8	-136.0	8,025.9	0.00	0.00	0.00
19,283.0	90.00	179.46	10,645.0	-8,025.8	-135.9	8,026.9	0.00	0.00	0.00
19,284.0	90.00	179.46	10,645.0	-8,026.8	-135.9	8,027.9	0.00	0.00	0.00
19,285.0	90.00	179.46	10,645.0	-8,027.8	-135.9	8,028.9	0.00	0.00	0.00
19,286.0	90.00	179.46	10,645.0	-8,028.8	-135.9	8,029.9	0.00	0.00	0.00
19,287.0	90.00	179.46	10,645.0	-8,029.8	-135.9	8,030.9	0.00	0.00	0.00
19,288.0	90.00	179.46	10,645.0	-8,030.8	-135.9	8,031.9	0.00	0.00	0.00
19,289.0	90.00	179.46	10,645.0	-8,031.8	-135.9	8,032.9	0.00	0.00	0.00
19,290.0	90.00	179.46	10,645.0	-8,032.8	-135.9	8,033.9	0.00	0.00	0.00
19,291.0	90.00	179.46	10,645.0	-8,033.8	-135.9	8,034.9	0.00	0.00	0.00
19,292.0	90.00	179.46	10,645.0	-8,034.8	-135.9	8,035.9	0.00	0.00	0.00
19,293.0	90.00	179.46	10,645.0	-8,035.8	-135.8	8,036.9	0.00	0.00	0.00
19,294.0	90.00	179.46	10,645.0	-8,036.8	-135.8	8,037.9	0.00	0.00	0.00
19,295.0	90.00	179.46	10,645.0	-8,037.8	-135.8	8,038.9	0.00	0.00	0.00
19,296.0	90.00	179.46	10,645.0	-8,038.8	-135.8	8,039.9	0.00	0.00	0.00
19,297.0	90.00	179.46	10,645.0	-8,039.8	-135.8	8,040.9	0.00	0.00	0.00
19,298.0	90.00	179.46	10,645.0	-8,040.8	-135.8	8,041.9	0.00	0.00	0.00
19,299.0	90.00	179.46	10,645.0	-8,041.8	-135.8	8,042.9	0.00	0.00	0.00
19,300.0	90.00	179.46	10,645.0	-8,042.8	-135.8	8,043.9	0.05	0.00	0.05
19,301.0	90.00	179.46	10,645.0	-8,043.8	-135.8	8,044.9	0.00	0.00	0.00
19,302.0	90.00	179.46	10,645.0	-8,044.8	-135.8	8,045.9	0.00	0.00	0.00
19,303.0	90.00	179.46	10,645.0	-8,045.8	-135.8	8,046.9	0.00	0.00	0.00
19,304.0	90.00	179.46	10,645.0	-8,046.8	-135.7	8,047.9	0.00	0.00	0.00
19,305.0	90.00	179.46	10,645.0	-8,047.8	-135.7	8,048.9	0.00	0.00	0.00
19,306.0	90.00	179.46	10,645.0	-8,048.8	-135.7	8,049.9	0.00	0.00	0.00
19,307.0	90.00	179.46	10,645.0	-8,049.8	-135.7	8,050.9	0.00	0.00	0.00
19,308.0	90.00	179.46	10,645.0	-8,050.8	-135.7	8,051.9	0.00	0.00	0.00
19,309.0	90.00	179.46	10,645.0	-8,051.8	-135.7	8,052.9	0.00	0.00	0.00
19,310.0	90.00	179.46	10,645.0	-8,052.8	-135.7	8,053.9	0.00	0.00	0.00
19,311.0	90.00	179.46	10,645.0	-8,053.8	-135.7	8,054.9	0.00	0.00	0.00
19,312.0	90.00	179.46	10,645.0	-8,054.8	-135.7	8,055.9	0.00	0.00	0.00
19,313.0	90.00	179.46	10,645.0	-8,055.8	-135.7	8,056.9	0.00	0.00	0.00
19,314.0	90.00	179.46	10,645.0	-8,056.8	-135.7	8,057.9	0.00	0.00	0.00
19,315.0	90.00	179.46	10,645.0	-8,057.8	-135.6	8,058.9	0.00	0.00	0.00
19,316.0	90.00	179.46	10,645.0	-8,058.8	-135.6	8,059.9	0.00	0.00	0.00
19,317.0	90.00	179.46	10,645.0	-8,059.8	-135.6	8,060.9	0.00	0.00	0.00
19,318.0	90.00	179.46	10,645.0	-8,060.8	-135.6	8,061.9	0.00	0.00	0.00
19,319.0	90.00	179.46	10,645.0	-8,061.8	-135.6	8,062.9	0.00	0.00	0.00
19,320.0	90.00	179.46	10,645.0	-8,062.8	-135.6	8,063.9	0.00	0.00	0.00
19,321.0	90.00	179.46	10,645.0	-8,063.8	-135.6	8,064.9	0.00	0.00	0.00
19,322.0	90.00	179.46	10,645.0	-8,064.8	-135.6	8,065.9	0.00	0.00	0.00
19,323.0	90.00	179.46	10,645.0	-8,065.8	-135.6	8,066.9	0.00	0.00	0.00
19,324.0	90.00	179.46	10,645.0	-8,066.8	-135.6	8,067.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,325.0	90.00	179.46	10,645.0	-8,067.8	-135.5	8,068.9	0.00	0.00	0.00
19,326.0	90.00	179.46	10,645.0	-8,068.8	-135.5	8,069.9	0.00	0.00	0.00
19,327.0	90.00	179.46	10,645.0	-8,069.8	-135.5	8,070.9	0.00	0.00	0.00
19,328.0	90.00	179.46	10,645.0	-8,070.8	-135.5	8,071.9	0.00	0.00	0.00
19,329.0	90.00	179.46	10,645.0	-8,071.8	-135.5	8,072.9	0.00	0.00	0.00
19,330.0	90.00	179.46	10,645.0	-8,072.8	-135.5	8,073.9	0.00	0.00	0.00
19,331.0	90.00	179.46	10,645.0	-8,073.8	-135.5	8,074.9	0.00	0.00	0.00
19,332.0	90.00	179.46	10,645.0	-8,074.8	-135.5	8,075.9	0.00	0.00	0.00
19,333.0	90.00	179.46	10,645.0	-8,075.8	-135.5	8,076.9	0.00	0.00	0.00
19,334.0	90.00	179.46	10,645.0	-8,076.8	-135.5	8,077.9	0.00	0.00	0.00
19,335.0	90.00	179.46	10,645.0	-8,077.8	-135.5	8,078.9	0.00	0.00	0.00
19,336.0	90.00	179.46	10,645.0	-8,078.8	-135.4	8,079.9	0.00	0.00	0.00
19,337.0	90.00	179.46	10,645.0	-8,079.8	-135.4	8,080.9	0.00	0.00	0.00
19,338.0	90.00	179.46	10,645.0	-8,080.8	-135.4	8,081.9	0.00	0.00	0.00
19,339.0	90.00	179.46	10,645.0	-8,081.8	-135.4	8,082.9	0.00	0.00	0.00
19,340.0	90.00	179.46	10,645.0	-8,082.8	-135.4	8,083.9	0.00	0.00	0.00
19,341.0	90.00	179.46	10,645.0	-8,083.8	-135.4	8,084.9	0.00	0.00	0.00
19,342.0	90.00	179.46	10,645.0	-8,084.8	-135.4	8,085.9	0.00	0.00	0.00
19,343.0	90.00	179.46	10,645.0	-8,085.8	-135.4	8,086.9	0.00	0.00	0.00
19,344.0	90.00	179.46	10,645.0	-8,086.8	-135.4	8,087.9	0.00	0.00	0.00
19,345.0	90.00	179.46	10,645.0	-8,087.8	-135.4	8,088.9	0.00	0.00	0.00
19,346.0	90.00	179.46	10,645.0	-8,088.8	-135.4	8,089.9	0.00	0.00	0.00
19,347.0	90.00	179.46	10,645.0	-8,089.8	-135.3	8,090.9	0.00	0.00	0.00
19,348.0	90.00	179.46	10,645.0	-8,090.8	-135.3	8,091.9	0.00	0.00	0.00
19,349.0	90.00	179.46	10,645.0	-8,091.8	-135.3	8,092.9	0.00	0.00	0.00
19,350.0	90.00	179.46	10,645.0	-8,092.8	-135.3	8,093.9	0.00	0.00	0.00
19,351.0	90.00	179.46	10,645.0	-8,093.8	-135.3	8,094.9	0.00	0.00	0.00
19,352.0	90.00	179.46	10,645.0	-8,094.8	-135.3	8,095.9	0.00	0.00	0.00
19,353.0	90.00	179.46	10,645.0	-8,095.8	-135.3	8,096.9	0.00	0.00	0.00
19,354.0	90.00	179.46	10,645.0	-8,096.8	-135.3	8,097.9	0.00	0.00	0.00
19,355.0	90.00	179.46	10,645.0	-8,097.8	-135.3	8,098.9	0.00	0.00	0.00
19,356.0	90.00	179.46	10,645.0	-8,098.8	-135.3	8,099.9	0.00	0.00	0.00
19,357.0	90.00	179.46	10,645.0	-8,099.8	-135.2	8,100.9	0.00	0.00	0.00
19,358.0	90.00	179.46	10,645.0	-8,100.8	-135.2	8,101.9	0.00	0.00	0.00
19,359.0	90.00	179.46	10,645.0	-8,101.8	-135.2	8,102.9	0.00	0.00	0.00
19,360.0	90.00	179.46	10,645.0	-8,102.8	-135.2	8,103.9	0.00	0.00	0.00
19,361.0	90.00	179.46	10,645.0	-8,103.8	-135.2	8,104.9	0.00	0.00	0.00
19,362.0	90.00	179.46	10,645.0	-8,104.8	-135.2	8,105.9	0.00	0.00	0.00
19,363.0	90.00	179.46	10,645.0	-8,105.8	-135.2	8,106.9	0.00	0.00	0.00
19,364.0	90.00	179.46	10,645.0	-8,106.8	-135.2	8,107.9	0.00	0.00	0.00
19,365.0	90.00	179.46	10,645.0	-8,107.8	-135.2	8,108.9	0.00	0.00	0.00
19,366.0	90.00	179.46	10,645.0	-8,108.8	-135.2	8,109.9	0.00	0.00	0.00
19,367.0	90.00	179.46	10,645.0	-8,109.8	-135.2	8,110.9	0.00	0.00	0.00
19,368.0	90.00	179.46	10,645.0	-8,110.8	-135.1	8,111.9	0.00	0.00	0.00
19,369.0	90.00	179.46	10,645.0	-8,111.8	-135.1	8,112.9	0.00	0.00	0.00
19,370.0	90.00	179.46	10,645.0	-8,112.8	-135.1	8,113.9	0.00	0.00	0.00
19,371.0	90.00	179.46	10,645.0	-8,113.8	-135.1	8,114.9	0.00	0.00	0.00
19,372.0	90.00	179.46	10,645.0	-8,114.8	-135.1	8,115.9	0.00	0.00	0.00
19,373.0	90.00	179.46	10,645.0	-8,115.8	-135.1	8,116.9	0.00	0.00	0.00
19,374.0	90.00	179.46	10,645.0	-8,116.8	-135.1	8,117.9	0.00	0.00	0.00
19,375.0	90.00	179.46	10,645.0	-8,117.8	-135.1	8,118.9	0.00	0.00	0.00
19,376.0	90.00	179.46	10,645.0	-8,118.8	-135.1	8,119.9	0.00	0.00	0.00
19,377.0	90.00	179.46	10,645.0	-8,119.8	-135.1	8,120.9	0.00	0.00	0.00
19,378.0	90.00	179.46	10,645.0	-8,120.8	-135.1	8,121.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,379.0	90.00	179.46	10,645.0	-8,121.8	-135.0	8,122.9	0.00	0.00	0.00
19,380.0	90.00	179.46	10,645.0	-8,122.8	-135.0	8,123.9	0.00	0.00	0.00
19,381.0	90.00	179.46	10,645.0	-8,123.8	-135.0	8,124.9	0.00	0.00	0.00
19,382.0	90.00	179.46	10,645.0	-8,124.8	-135.0	8,125.9	0.00	0.00	0.00
19,383.0	90.00	179.46	10,645.0	-8,125.8	-135.0	8,126.9	0.00	0.00	0.00
19,384.0	90.00	179.46	10,645.0	-8,126.8	-135.0	8,127.9	0.00	0.00	0.00
19,385.0	90.00	179.46	10,645.0	-8,127.8	-135.0	8,128.9	0.00	0.00	0.00
19,386.0	90.00	179.46	10,645.0	-8,128.8	-135.0	8,129.9	0.00	0.00	0.00
19,387.0	90.00	179.46	10,645.0	-8,129.8	-135.0	8,130.9	0.00	0.00	0.00
19,388.0	90.00	179.46	10,645.0	-8,130.8	-135.0	8,131.9	0.00	0.00	0.00
19,389.0	90.00	179.46	10,645.0	-8,131.8	-134.9	8,132.9	0.00	0.00	0.00
19,390.0	90.00	179.46	10,645.0	-8,132.8	-134.9	8,133.9	0.00	0.00	0.00
19,391.0	90.00	179.46	10,645.0	-8,133.8	-134.9	8,134.9	0.00	0.00	0.00
19,392.0	90.00	179.46	10,645.0	-8,134.8	-134.9	8,135.9	0.00	0.00	0.00
19,393.0	90.00	179.46	10,645.0	-8,135.8	-134.9	8,136.9	0.00	0.00	0.00
19,394.0	90.00	179.46	10,645.0	-8,136.8	-134.9	8,137.9	0.00	0.00	0.00
19,395.0	90.00	179.46	10,645.0	-8,137.8	-134.9	8,138.9	0.00	0.00	0.00
19,396.0	90.00	179.46	10,645.0	-8,138.8	-134.9	8,139.9	0.00	0.00	0.00
19,397.0	90.00	179.46	10,645.0	-8,139.8	-134.9	8,140.9	0.00	0.00	0.00
19,398.0	90.00	179.46	10,645.0	-8,140.8	-134.9	8,141.9	0.00	0.00	0.00
19,399.0	90.00	179.46	10,645.0	-8,141.8	-134.9	8,142.9	0.00	0.00	0.00
19,400.0	90.00	179.46	10,645.0	-8,142.8	-134.8	8,143.9	0.05	0.00	0.05
19,401.0	90.00	179.46	10,645.0	-8,143.8	-134.8	8,144.9	0.00	0.00	0.00
19,402.0	90.00	179.46	10,645.0	-8,144.8	-134.8	8,145.9	0.00	0.00	0.00
19,403.0	90.00	179.46	10,645.0	-8,145.8	-134.8	8,146.9	0.00	0.00	0.00
19,404.0	90.00	179.46	10,645.0	-8,146.8	-134.8	8,147.9	0.00	0.00	0.00
19,405.0	90.00	179.46	10,645.0	-8,147.8	-134.8	8,148.9	0.00	0.00	0.00
19,406.0	90.00	179.46	10,645.0	-8,148.8	-134.8	8,149.9	0.00	0.00	0.00
19,407.0	90.00	179.46	10,645.0	-8,149.8	-134.8	8,150.9	0.00	0.00	0.00
19,408.0	90.00	179.46	10,645.0	-8,150.8	-134.8	8,151.9	0.00	0.00	0.00
19,409.0	90.00	179.46	10,645.0	-8,151.8	-134.8	8,152.9	0.00	0.00	0.00
19,410.0	90.00	179.46	10,645.0	-8,152.8	-134.8	8,153.9	0.00	0.00	0.00
19,411.0	90.00	179.46	10,645.0	-8,153.8	-134.7	8,154.9	0.00	0.00	0.00
19,412.0	90.00	179.46	10,645.0	-8,154.8	-134.7	8,155.9	0.00	0.00	0.00
19,413.0	90.00	179.46	10,645.0	-8,155.8	-134.7	8,156.9	0.00	0.00	0.00
19,414.0	90.00	179.46	10,645.0	-8,156.8	-134.7	8,157.9	0.00	0.00	0.00
19,415.0	90.00	179.46	10,645.0	-8,157.8	-134.7	8,158.9	0.00	0.00	0.00
19,416.0	90.00	179.46	10,645.0	-8,158.8	-134.7	8,159.9	0.00	0.00	0.00
19,417.0	90.00	179.46	10,645.0	-8,159.8	-134.7	8,160.9	0.00	0.00	0.00
19,418.0	90.00	179.46	10,645.0	-8,160.8	-134.7	8,161.9	0.00	0.00	0.00
19,419.0	90.00	179.46	10,645.0	-8,161.8	-134.7	8,162.9	0.00	0.00	0.00
19,420.0	90.00	179.46	10,645.0	-8,162.8	-134.7	8,163.9	0.00	0.00	0.00
19,421.0	90.00	179.46	10,645.0	-8,163.8	-134.6	8,164.9	0.00	0.00	0.00
19,422.0	90.00	179.46	10,645.0	-8,164.8	-134.6	8,165.9	0.00	0.00	0.00
19,423.0	90.00	179.46	10,645.0	-8,165.8	-134.6	8,166.9	0.00	0.00	0.00
19,424.0	90.00	179.46	10,645.0	-8,166.8	-134.6	8,167.9	0.00	0.00	0.00
19,425.0	90.00	179.46	10,645.0	-8,167.8	-134.6	8,168.9	0.00	0.00	0.00
19,426.0	90.00	179.46	10,645.0	-8,168.8	-134.6	8,169.9	0.00	0.00	0.00
19,427.0	90.00	179.46	10,645.0	-8,169.8	-134.6	8,170.9	0.00	0.00	0.00
19,428.0	90.00	179.46	10,645.0	-8,170.8	-134.6	8,171.9	0.00	0.00	0.00
19,429.0	90.00	179.46	10,645.0	-8,171.8	-134.6	8,172.9	0.00	0.00	0.00
19,430.0	90.00	179.46	10,645.0	-8,172.8	-134.6	8,173.9	0.00	0.00	0.00
19,431.0	90.00	179.46	10,645.0	-8,173.8	-134.6	8,174.9	0.00	0.00	0.00
19,432.0	90.00	179.46	10,645.0	-8,174.8	-134.5	8,175.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,433.0	90.00	179.46	10,645.0	-8,175.8	-134.5	8,176.9	0.00	0.00	0.00
19,434.0	90.00	179.46	10,645.0	-8,176.8	-134.5	8,177.9	0.00	0.00	0.00
19,435.0	90.00	179.46	10,645.0	-8,177.8	-134.5	8,178.9	0.00	0.00	0.00
19,436.0	90.00	179.46	10,645.0	-8,178.8	-134.5	8,179.9	0.00	0.00	0.00
19,437.0	90.00	179.46	10,645.0	-8,179.8	-134.5	8,180.9	0.00	0.00	0.00
19,438.0	90.00	179.46	10,645.0	-8,180.8	-134.5	8,181.9	0.00	0.00	0.00
19,439.0	90.00	179.46	10,645.0	-8,181.8	-134.5	8,182.9	0.00	0.00	0.00
19,440.0	90.00	179.46	10,645.0	-8,182.8	-134.5	8,183.9	0.00	0.00	0.00
19,441.0	90.00	179.46	10,645.0	-8,183.8	-134.5	8,184.9	0.00	0.00	0.00
19,442.0	90.00	179.46	10,645.0	-8,184.8	-134.5	8,185.9	0.00	0.00	0.00
19,443.0	90.00	179.46	10,645.0	-8,185.8	-134.4	8,186.9	0.00	0.00	0.00
19,444.0	90.00	179.46	10,645.0	-8,186.8	-134.4	8,187.9	0.00	0.00	0.00
19,445.0	90.00	179.46	10,645.0	-8,187.8	-134.4	8,188.9	0.00	0.00	0.00
19,446.0	90.00	179.46	10,645.0	-8,188.8	-134.4	8,189.9	0.00	0.00	0.00
19,447.0	90.00	179.46	10,645.0	-8,189.8	-134.4	8,190.9	0.00	0.00	0.00
19,448.0	90.00	179.46	10,645.0	-8,190.8	-134.4	8,191.9	0.00	0.00	0.00
19,449.0	90.00	179.46	10,645.0	-8,191.8	-134.4	8,192.9	0.00	0.00	0.00
19,450.0	90.00	179.46	10,645.0	-8,192.8	-134.4	8,193.9	0.00	0.00	0.00
19,451.0	90.00	179.46	10,645.0	-8,193.8	-134.4	8,194.9	0.00	0.00	0.00
19,452.0	90.00	179.46	10,645.0	-8,194.8	-134.4	8,195.9	0.00	0.00	0.00
19,453.0	90.00	179.46	10,645.0	-8,195.8	-134.3	8,196.9	0.00	0.00	0.00
19,454.0	90.00	179.46	10,645.0	-8,196.8	-134.3	8,197.9	0.00	0.00	0.00
19,455.0	90.00	179.46	10,645.0	-8,197.8	-134.3	8,198.9	0.00	0.00	0.00
19,456.0	90.00	179.46	10,645.0	-8,198.8	-134.3	8,199.9	0.00	0.00	0.00
19,457.0	90.00	179.46	10,645.0	-8,199.8	-134.3	8,200.9	0.00	0.00	0.00
19,458.0	90.00	179.46	10,645.0	-8,200.8	-134.3	8,201.9	0.00	0.00	0.00
19,459.0	90.00	179.46	10,645.0	-8,201.8	-134.3	8,202.9	0.00	0.00	0.00
19,460.0	90.00	179.46	10,645.0	-8,202.8	-134.3	8,203.9	0.00	0.00	0.00
19,461.0	90.00	179.46	10,645.0	-8,203.8	-134.3	8,204.9	0.00	0.00	0.00
19,462.0	90.00	179.46	10,645.0	-8,204.8	-134.3	8,205.9	0.00	0.00	0.00
19,463.0	90.00	179.46	10,645.0	-8,205.8	-134.3	8,206.9	0.00	0.00	0.00
19,464.0	90.00	179.46	10,645.0	-8,206.8	-134.2	8,207.9	0.00	0.00	0.00
19,465.0	90.00	179.46	10,645.0	-8,207.8	-134.2	8,208.9	0.00	0.00	0.00
19,466.0	90.00	179.46	10,645.0	-8,208.8	-134.2	8,209.9	0.00	0.00	0.00
19,467.0	90.00	179.46	10,645.0	-8,209.8	-134.2	8,210.9	0.00	0.00	0.00
19,468.0	90.00	179.46	10,645.0	-8,210.8	-134.2	8,211.9	0.00	0.00	0.00
19,469.0	90.00	179.46	10,645.0	-8,211.8	-134.2	8,212.9	0.00	0.00	0.00
19,470.0	90.00	179.46	10,645.0	-8,212.8	-134.2	8,213.9	0.00	0.00	0.00
19,471.0	90.00	179.46	10,645.0	-8,213.8	-134.2	8,214.9	0.00	0.00	0.00
19,472.0	90.00	179.46	10,645.0	-8,214.8	-134.2	8,215.9	0.00	0.00	0.00
19,473.0	90.00	179.46	10,645.0	-8,215.8	-134.2	8,216.9	0.00	0.00	0.00
19,474.0	90.00	179.46	10,645.0	-8,216.8	-134.2	8,217.9	0.00	0.00	0.00
19,475.0	90.00	179.46	10,645.0	-8,217.8	-134.1	8,218.9	0.00	0.00	0.00
19,476.0	90.00	179.46	10,645.0	-8,218.8	-134.1	8,219.9	0.00	0.00	0.00
19,477.0	90.00	179.46	10,645.0	-8,219.8	-134.1	8,220.9	0.00	0.00	0.00
19,478.0	90.00	179.46	10,645.0	-8,220.8	-134.1	8,221.9	0.00	0.00	0.00
19,479.0	90.00	179.46	10,645.0	-8,221.8	-134.1	8,222.9	0.00	0.00	0.00
19,480.0	90.00	179.46	10,645.0	-8,222.8	-134.1	8,223.9	0.00	0.00	0.00
19,481.0	90.00	179.46	10,645.0	-8,223.8	-134.1	8,224.9	0.00	0.00	0.00
19,482.0	90.00	179.46	10,645.0	-8,224.8	-134.1	8,225.9	0.00	0.00	0.00
19,483.0	90.00	179.46	10,645.0	-8,225.8	-134.1	8,226.9	0.00	0.00	0.00
19,484.0	90.00	179.46	10,645.0	-8,226.8	-134.1	8,227.9	0.00	0.00	0.00
19,485.0	90.00	179.46	10,645.0	-8,227.8	-134.0	8,228.9	0.00	0.00	0.00
19,486.0	90.00	179.46	10,645.0	-8,228.8	-134.0	8,229.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,487.0	90.00	179.46	10,645.0	-8,229.8	-134.0	8,230.9	0.00	0.00	0.00
19,488.0	90.00	179.46	10,645.0	-8,230.8	-134.0	8,231.9	0.00	0.00	0.00
19,489.0	90.00	179.46	10,645.0	-8,231.8	-134.0	8,232.9	0.00	0.00	0.00
19,490.0	90.00	179.46	10,645.0	-8,232.8	-134.0	8,233.9	0.00	0.00	0.00
19,491.0	90.00	179.46	10,645.0	-8,233.8	-134.0	8,234.9	0.00	0.00	0.00
19,492.0	90.00	179.46	10,645.0	-8,234.8	-134.0	8,235.9	0.00	0.00	0.00
19,493.0	90.00	179.46	10,645.0	-8,235.8	-134.0	8,236.9	0.00	0.00	0.00
19,494.0	90.00	179.46	10,645.0	-8,236.8	-134.0	8,237.9	0.00	0.00	0.00
19,495.0	90.00	179.46	10,645.0	-8,237.8	-134.0	8,238.9	0.00	0.00	0.00
19,496.0	90.00	179.46	10,645.0	-8,238.8	-133.9	8,239.9	0.00	0.00	0.00
19,497.0	90.00	179.46	10,645.0	-8,239.8	-133.9	8,240.9	0.00	0.00	0.00
19,498.0	90.00	179.46	10,645.0	-8,240.8	-133.9	8,241.9	0.00	0.00	0.00
19,499.0	90.00	179.46	10,645.0	-8,241.8	-133.9	8,242.9	0.00	0.00	0.00
19,500.0	90.00	179.46	10,645.0	-8,242.8	-133.9	8,243.9	0.05	0.00	0.05
19,501.0	90.00	179.46	10,645.0	-8,243.8	-133.9	8,244.9	0.00	0.00	0.00
19,502.0	90.00	179.46	10,645.0	-8,244.8	-133.9	8,245.9	0.00	0.00	0.00
19,503.0	90.00	179.46	10,645.0	-8,245.8	-133.9	8,246.9	0.00	0.00	0.00
19,504.0	90.00	179.46	10,645.0	-8,246.8	-133.9	8,247.9	0.00	0.00	0.00
19,505.0	90.00	179.46	10,645.0	-8,247.8	-133.9	8,248.9	0.00	0.00	0.00
19,506.0	90.00	179.46	10,645.0	-8,248.8	-133.9	8,249.9	0.00	0.00	0.00
19,507.0	90.00	179.46	10,645.0	-8,249.8	-133.8	8,250.9	0.00	0.00	0.00
19,508.0	90.00	179.46	10,645.0	-8,250.8	-133.8	8,251.9	0.00	0.00	0.00
19,509.0	90.00	179.46	10,645.0	-8,251.8	-133.8	8,252.9	0.00	0.00	0.00
19,510.0	90.00	179.46	10,645.0	-8,252.8	-133.8	8,253.9	0.00	0.00	0.00
19,511.0	90.00	179.46	10,645.0	-8,253.8	-133.8	8,254.9	0.00	0.00	0.00
19,512.0	90.00	179.46	10,645.0	-8,254.8	-133.8	8,255.9	0.00	0.00	0.00
19,513.0	90.00	179.46	10,645.0	-8,255.8	-133.8	8,256.9	0.00	0.00	0.00
19,514.0	90.00	179.46	10,645.0	-8,256.8	-133.8	8,257.9	0.00	0.00	0.00
19,515.0	90.00	179.46	10,645.0	-8,257.8	-133.8	8,258.9	0.00	0.00	0.00
19,516.0	90.00	179.46	10,645.0	-8,258.8	-133.8	8,259.9	0.00	0.00	0.00
19,517.0	90.00	179.46	10,645.0	-8,259.8	-133.7	8,260.9	0.00	0.00	0.00
19,518.0	90.00	179.46	10,645.0	-8,260.8	-133.7	8,261.9	0.00	0.00	0.00
19,519.0	90.00	179.46	10,645.0	-8,261.8	-133.7	8,262.9	0.00	0.00	0.00
19,520.0	90.00	179.46	10,645.0	-8,262.8	-133.7	8,263.9	0.00	0.00	0.00
19,521.0	90.00	179.46	10,645.0	-8,263.8	-133.7	8,264.9	0.00	0.00	0.00
19,522.0	90.00	179.46	10,645.0	-8,264.8	-133.7	8,265.9	0.00	0.00	0.00
19,523.0	90.00	179.46	10,645.0	-8,265.8	-133.7	8,266.9	0.00	0.00	0.00
19,524.0	90.00	179.46	10,645.0	-8,266.8	-133.7	8,267.9	0.00	0.00	0.00
19,525.0	90.00	179.46	10,645.0	-8,267.8	-133.7	8,268.9	0.00	0.00	0.00
19,526.0	90.00	179.46	10,645.0	-8,268.8	-133.7	8,269.9	0.00	0.00	0.00
19,527.0	90.00	179.46	10,645.0	-8,269.8	-133.7	8,270.9	0.00	0.00	0.00
19,528.0	90.00	179.46	10,645.0	-8,270.8	-133.6	8,271.9	0.00	0.00	0.00
19,529.0	90.00	179.46	10,645.0	-8,271.8	-133.6	8,272.9	0.00	0.00	0.00
19,530.0	90.00	179.46	10,645.0	-8,272.8	-133.6	8,273.9	0.00	0.00	0.00
19,531.0	90.00	179.46	10,645.0	-8,273.8	-133.6	8,274.9	0.00	0.00	0.00
19,532.0	90.00	179.46	10,645.0	-8,274.8	-133.6	8,275.9	0.00	0.00	0.00
19,533.0	90.00	179.46	10,645.0	-8,275.8	-133.6	8,276.9	0.00	0.00	0.00
19,534.0	90.00	179.46	10,645.0	-8,276.8	-133.6	8,277.9	0.00	0.00	0.00
19,535.0	90.00	179.46	10,645.0	-8,277.8	-133.6	8,278.9	0.00	0.00	0.00
19,536.0	90.00	179.46	10,645.0	-8,278.8	-133.6	8,279.9	0.00	0.00	0.00
19,537.0	90.00	179.46	10,645.0	-8,279.8	-133.6	8,280.9	0.00	0.00	0.00
19,538.0	90.00	179.46	10,645.0	-8,280.8	-133.6	8,281.9	0.00	0.00	0.00
19,539.0	90.00	179.46	10,645.0	-8,281.8	-133.5	8,282.9	0.00	0.00	0.00
19,540.0	90.00	179.46	10,645.0	-8,282.8	-133.5	8,283.9	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,541.0	90.00	179.46	10,645.0	-8,283.8	-133.5	8,284.9	0.00	0.00	0.00	
19,542.0	90.00	179.46	10,645.0	-8,284.8	-133.5	8,285.9	0.00	0.00	0.00	
19,543.0	90.00	179.46	10,645.0	-8,285.8	-133.5	8,286.9	0.00	0.00	0.00	
19,544.0	90.00	179.46	10,645.0	-8,286.8	-133.5	8,287.9	0.00	0.00	0.00	
19,545.0	90.00	179.46	10,645.0	-8,287.8	-133.5	8,288.9	0.00	0.00	0.00	
19,546.0	90.00	179.46	10,645.0	-8,288.8	-133.5	8,289.9	0.00	0.00	0.00	
19,547.0	90.00	179.46	10,645.0	-8,289.8	-133.5	8,290.9	0.00	0.00	0.00	
19,548.0	90.00	179.46	10,645.0	-8,290.8	-133.5	8,291.9	0.00	0.00	0.00	
19,549.0	90.00	179.46	10,645.0	-8,291.8	-133.4	8,292.9	0.00	0.00	0.00	
19,550.0	90.00	179.46	10,645.0	-8,292.8	-133.4	8,293.9	0.00	0.00	0.00	
19,551.0	90.00	179.46	10,645.0	-8,293.8	-133.4	8,294.9	0.00	0.00	0.00	
19,552.0	90.00	179.46	10,645.0	-8,294.8	-133.4	8,295.9	0.00	0.00	0.00	
19,553.0	90.00	179.46	10,645.0	-8,295.8	-133.4	8,296.9	0.00	0.00	0.00	
19,554.0	90.00	179.46	10,645.0	-8,296.8	-133.4	8,297.9	0.00	0.00	0.00	
19,555.0	90.00	179.46	10,645.0	-8,297.8	-133.4	8,298.9	0.00	0.00	0.00	
19,556.0	90.00	179.46	10,645.0	-8,298.8	-133.4	8,299.9	0.00	0.00	0.00	
19,557.0	90.00	179.46	10,645.0	-8,299.8	-133.4	8,300.9	0.00	0.00	0.00	
19,558.0	90.00	179.46	10,645.0	-8,300.8	-133.4	8,301.9	0.00	0.00	0.00	
19,559.0	90.00	179.46	10,645.0	-8,301.8	-133.4	8,302.9	0.00	0.00	0.00	
19,560.0	90.00	179.46	10,645.0	-8,302.8	-133.3	8,303.9	0.00	0.00	0.00	
19,561.0	90.00	179.46	10,645.0	-8,303.8	-133.3	8,304.9	0.00	0.00	0.00	
19,562.0	90.00	179.46	10,645.0	-8,304.8	-133.3	8,305.9	0.00	0.00	0.00	
19,563.0	90.00	179.46	10,645.0	-8,305.8	-133.3	8,306.9	0.00	0.00	0.00	
19,564.0	90.00	179.46	10,645.0	-8,306.8	-133.3	8,307.9	0.00	0.00	0.00	
19,565.0	90.00	179.46	10,645.0	-8,307.8	-133.3	8,308.9	0.00	0.00	0.00	
19,566.0	90.00	179.46	10,645.0	-8,308.8	-133.3	8,309.9	0.00	0.00	0.00	
19,567.0	90.00	179.46	10,645.0	-8,309.8	-133.3	8,310.9	0.00	0.00	0.00	
19,568.0	90.00	179.46	10,645.0	-8,310.8	-133.3	8,311.9	0.00	0.00	0.00	
19,569.0	90.00	179.46	10,645.0	-8,311.8	-133.3	8,312.9	0.00	0.00	0.00	
19,570.0	90.00	179.46	10,645.0	-8,312.8	-133.3	8,313.9	0.00	0.00	0.00	
19,571.0	90.00	179.46	10,645.0	-8,313.8	-133.2	8,314.9	0.00	0.00	0.00	
19,572.0	90.00	179.46	10,645.0	-8,314.8	-133.2	8,315.9	0.00	0.00	0.00	
19,573.0	90.00	179.46	10,645.0	-8,315.8	-133.2	8,316.9	0.00	0.00	0.00	
19,574.0	90.00	179.46	10,645.0	-8,316.8	-133.2	8,317.9	0.00	0.00	0.00	
19,575.0	90.00	179.46	10,645.0	-8,317.8	-133.2	8,318.9	0.00	0.00	0.00	
19,576.0	90.00	179.46	10,645.0	-8,318.8	-133.2	8,319.9	0.00	0.00	0.00	
19,577.0	90.00	179.46	10,645.0	-8,319.8	-133.2	8,320.9	0.00	0.00	0.00	
19,578.0	90.00	179.46	10,645.0	-8,320.8	-133.2	8,321.9	0.00	0.00	0.00	
19,579.0	90.00	179.46	10,645.0	-8,321.8	-133.2	8,322.9	0.00	0.00	0.00	
19,580.0	90.00	179.46	10,645.0	-8,322.8	-133.2	8,323.9	0.00	0.00	0.00	
19,581.0	90.00	179.46	10,645.0	-8,323.8	-133.1	8,324.9	0.00	0.00	0.00	
19,582.0	90.00	179.46	10,645.0	-8,324.8	-133.1	8,325.9	0.00	0.00	0.00	
19,583.0	90.00	179.46	10,645.0	-8,325.8	-133.1	8,326.9	0.00	0.00	0.00	
19,584.0	90.00	179.46	10,645.0	-8,326.8	-133.1	8,327.9	0.00	0.00	0.00	
19,585.0	90.00	179.46	10,645.0	-8,327.8	-133.1	8,328.9	0.00	0.00	0.00	
19,586.0	90.00	179.46	10,645.0	-8,328.8	-133.1	8,329.9	0.00	0.00	0.00	
19,587.0	90.00	179.46	10,645.0	-8,329.8	-133.1	8,330.9	0.00	0.00	0.00	
19,588.0	90.00	179.46	10,645.0	-8,330.8	-133.1	8,331.9	0.00	0.00	0.00	
19,589.0	90.00	179.46	10,645.0	-8,331.8	-133.1	8,332.9	0.00	0.00	0.00	
19,590.0	90.00	179.46	10,645.0	-8,332.8	-133.1	8,333.8	0.00	0.00	0.00	
19,591.0	90.00	179.46	10,645.0	-8,333.8	-133.1	8,334.8	0.00	0.00	0.00	
19,592.0	90.00	179.46	10,645.0	-8,334.8	-133.0	8,335.8	0.00	0.00	0.00	
19,593.0	90.00	179.46	10,645.0	-8,335.8	-133.0	8,336.8	0.00	0.00	0.00	
19,594.0	90.00	179.46	10,645.0	-8,336.8	-133.0	8,337.8	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,595.0	90.00	179.46	10,645.0	-8,337.8	-133.0	8,338.8	0.00	0.00	0.00
19,596.0	90.00	179.46	10,645.0	-8,338.8	-133.0	8,339.8	0.00	0.00	0.00
19,597.0	90.00	179.46	10,645.0	-8,339.8	-133.0	8,340.8	0.00	0.00	0.00
19,598.0	90.00	179.46	10,645.0	-8,340.8	-133.0	8,341.8	0.00	0.00	0.00
19,599.0	90.00	179.46	10,645.0	-8,341.8	-133.0	8,342.8	0.00	0.00	0.00
19,600.0	90.00	179.46	10,645.0	-8,342.8	-133.0	8,343.8	0.05	0.00	0.05
19,601.0	90.00	179.46	10,645.0	-8,343.8	-133.0	8,344.8	0.00	0.00	0.00
19,602.0	90.00	179.46	10,645.0	-8,344.8	-133.0	8,345.8	0.00	0.00	0.00
19,603.0	90.00	179.46	10,645.0	-8,345.8	-132.9	8,346.8	0.00	0.00	0.00
19,604.0	90.00	179.46	10,645.0	-8,346.8	-132.9	8,347.8	0.00	0.00	0.00
19,605.0	90.00	179.46	10,645.0	-8,347.8	-132.9	8,348.8	0.00	0.00	0.00
19,606.0	90.00	179.46	10,645.0	-8,348.8	-132.9	8,349.8	0.00	0.00	0.00
19,607.0	90.00	179.46	10,645.0	-8,349.8	-132.9	8,350.8	0.00	0.00	0.00
19,608.0	90.00	179.46	10,645.0	-8,350.8	-132.9	8,351.8	0.00	0.00	0.00
19,609.0	90.00	179.46	10,645.0	-8,351.8	-132.9	8,352.8	0.00	0.00	0.00
19,610.0	90.00	179.46	10,645.0	-8,352.8	-132.9	8,353.8	0.00	0.00	0.00
19,611.0	90.00	179.46	10,645.0	-8,353.8	-132.9	8,354.8	0.00	0.00	0.00
19,612.0	90.00	179.46	10,645.0	-8,354.8	-132.9	8,355.8	0.00	0.00	0.00
19,613.0	90.00	179.46	10,645.0	-8,355.8	-132.8	8,356.8	0.00	0.00	0.00
19,614.0	90.00	179.46	10,645.0	-8,356.8	-132.8	8,357.8	0.00	0.00	0.00
19,615.0	90.00	179.46	10,645.0	-8,357.8	-132.8	8,358.8	0.00	0.00	0.00
19,616.0	90.00	179.46	10,645.0	-8,358.8	-132.8	8,359.8	0.00	0.00	0.00
19,617.0	90.00	179.46	10,645.0	-8,359.8	-132.8	8,360.8	0.00	0.00	0.00
19,618.0	90.00	179.46	10,645.0	-8,360.8	-132.8	8,361.8	0.00	0.00	0.00
19,619.0	90.00	179.46	10,645.0	-8,361.8	-132.8	8,362.8	0.00	0.00	0.00
19,620.0	90.00	179.46	10,645.0	-8,362.8	-132.8	8,363.8	0.00	0.00	0.00
19,621.0	90.00	179.46	10,645.0	-8,363.8	-132.8	8,364.8	0.00	0.00	0.00
19,622.0	90.00	179.46	10,645.0	-8,364.8	-132.8	8,365.8	0.00	0.00	0.00
19,623.0	90.00	179.46	10,645.0	-8,365.8	-132.8	8,366.8	0.00	0.00	0.00
19,624.0	90.00	179.46	10,645.0	-8,366.8	-132.7	8,367.8	0.00	0.00	0.00
19,625.0	90.00	179.46	10,645.0	-8,367.8	-132.7	8,368.8	0.00	0.00	0.00
19,626.0	90.00	179.46	10,645.0	-8,368.8	-132.7	8,369.8	0.00	0.00	0.00
19,627.0	90.00	179.46	10,645.0	-8,369.8	-132.7	8,370.8	0.00	0.00	0.00
19,628.0	90.00	179.46	10,645.0	-8,370.8	-132.7	8,371.8	0.00	0.00	0.00
19,629.0	90.00	179.46	10,645.0	-8,371.8	-132.7	8,372.8	0.00	0.00	0.00
19,630.0	90.00	179.46	10,645.0	-8,372.8	-132.7	8,373.8	0.00	0.00	0.00
19,631.0	90.00	179.46	10,645.0	-8,373.8	-132.7	8,374.8	0.00	0.00	0.00
19,632.0	90.00	179.46	10,645.0	-8,374.8	-132.7	8,375.8	0.00	0.00	0.00
19,633.0	90.00	179.46	10,645.0	-8,375.8	-132.7	8,376.8	0.00	0.00	0.00
19,634.0	90.00	179.46	10,645.0	-8,376.8	-132.7	8,377.8	0.00	0.00	0.00
19,635.0	90.00	179.46	10,645.0	-8,377.8	-132.6	8,378.8	0.00	0.00	0.00
19,636.0	90.00	179.46	10,645.0	-8,378.8	-132.6	8,379.8	0.00	0.00	0.00
19,637.0	90.00	179.46	10,645.0	-8,379.8	-132.6	8,380.8	0.00	0.00	0.00
19,638.0	90.00	179.46	10,645.0	-8,380.8	-132.6	8,381.8	0.00	0.00	0.00
19,639.0	90.00	179.46	10,645.0	-8,381.8	-132.6	8,382.8	0.00	0.00	0.00
19,640.0	90.00	179.46	10,645.0	-8,382.8	-132.6	8,383.8	0.00	0.00	0.00
19,641.0	90.00	179.46	10,645.0	-8,383.8	-132.6	8,384.8	0.00	0.00	0.00
19,642.0	90.00	179.46	10,645.0	-8,384.8	-132.6	8,385.8	0.00	0.00	0.00
19,643.0	90.00	179.46	10,645.0	-8,385.8	-132.6	8,386.8	0.00	0.00	0.00
19,644.0	90.00	179.46	10,645.0	-8,386.8	-132.6	8,387.8	0.00	0.00	0.00
19,645.0	90.00	179.46	10,645.0	-8,387.8	-132.5	8,388.8	0.00	0.00	0.00
19,646.0	90.00	179.46	10,645.0	-8,388.8	-132.5	8,389.8	0.00	0.00	0.00
19,647.0	90.00	179.46	10,645.0	-8,389.8	-132.5	8,390.8	0.00	0.00	0.00
19,648.0	90.00	179.46	10,645.0	-8,390.8	-132.5	8,391.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,649.0	90.00	179.46	10,645.0	-8,391.8	-132.5	8,392.8	0.00	0.00	0.00
19,650.0	90.00	179.46	10,645.0	-8,392.8	-132.5	8,393.8	0.00	0.00	0.00
19,651.0	90.00	179.46	10,645.0	-8,393.8	-132.5	8,394.8	0.00	0.00	0.00
19,652.0	90.00	179.46	10,645.0	-8,394.8	-132.5	8,395.8	0.00	0.00	0.00
19,653.0	90.00	179.46	10,645.0	-8,395.8	-132.5	8,396.8	0.00	0.00	0.00
19,654.0	90.00	179.46	10,645.0	-8,396.8	-132.5	8,397.8	0.00	0.00	0.00
19,655.0	90.00	179.46	10,645.0	-8,397.8	-132.5	8,398.8	0.00	0.00	0.00
19,656.0	90.00	179.46	10,645.0	-8,398.8	-132.4	8,399.8	0.00	0.00	0.00
19,657.0	90.00	179.46	10,645.0	-8,399.8	-132.4	8,400.8	0.00	0.00	0.00
19,658.0	90.00	179.46	10,645.0	-8,400.8	-132.4	8,401.8	0.00	0.00	0.00
19,659.0	90.00	179.46	10,645.0	-8,401.8	-132.4	8,402.8	0.00	0.00	0.00
19,660.0	90.00	179.46	10,645.0	-8,402.8	-132.4	8,403.8	0.00	0.00	0.00
19,661.0	90.00	179.46	10,645.0	-8,403.8	-132.4	8,404.8	0.00	0.00	0.00
19,662.0	90.00	179.46	10,645.0	-8,404.8	-132.4	8,405.8	0.00	0.00	0.00
19,663.0	90.00	179.46	10,645.0	-8,405.8	-132.4	8,406.8	0.00	0.00	0.00
19,664.0	90.00	179.46	10,645.0	-8,406.8	-132.4	8,407.8	0.00	0.00	0.00
19,665.0	90.00	179.46	10,645.0	-8,407.8	-132.4	8,408.8	0.00	0.00	0.00
19,666.0	90.00	179.46	10,645.0	-8,408.8	-132.4	8,409.8	0.00	0.00	0.00
19,667.0	90.00	179.46	10,645.0	-8,409.8	-132.3	8,410.8	0.00	0.00	0.00
19,668.0	90.00	179.46	10,645.0	-8,410.8	-132.3	8,411.8	0.00	0.00	0.00
19,669.0	90.00	179.46	10,645.0	-8,411.8	-132.3	8,412.8	0.00	0.00	0.00
19,670.0	90.00	179.46	10,645.0	-8,412.8	-132.3	8,413.8	0.00	0.00	0.00
19,671.0	90.00	179.46	10,645.0	-8,413.8	-132.3	8,414.8	0.00	0.00	0.00
19,672.0	90.00	179.46	10,645.0	-8,414.8	-132.3	8,415.8	0.00	0.00	0.00
19,673.0	90.00	179.46	10,645.0	-8,415.8	-132.3	8,416.8	0.00	0.00	0.00
19,674.0	90.00	179.46	10,645.0	-8,416.8	-132.3	8,417.8	0.00	0.00	0.00
19,675.0	90.00	179.46	10,645.0	-8,417.8	-132.3	8,418.8	0.00	0.00	0.00
19,676.0	90.00	179.46	10,645.0	-8,418.8	-132.3	8,419.8	0.00	0.00	0.00
19,677.0	90.00	179.46	10,645.0	-8,419.8	-132.2	8,420.8	0.00	0.00	0.00
19,678.0	90.00	179.46	10,645.0	-8,420.8	-132.2	8,421.8	0.00	0.00	0.00
19,679.0	90.00	179.46	10,645.0	-8,421.8	-132.2	8,422.8	0.00	0.00	0.00
19,680.0	90.00	179.46	10,645.0	-8,422.8	-132.2	8,423.8	0.00	0.00	0.00
19,681.0	90.00	179.46	10,645.0	-8,423.8	-132.2	8,424.8	0.00	0.00	0.00
19,682.0	90.00	179.46	10,645.0	-8,424.8	-132.2	8,425.8	0.00	0.00	0.00
19,683.0	90.00	179.46	10,645.0	-8,425.8	-132.2	8,426.8	0.00	0.00	0.00
19,684.0	90.00	179.46	10,645.0	-8,426.8	-132.2	8,427.8	0.00	0.00	0.00
19,685.0	90.00	179.46	10,645.0	-8,427.8	-132.2	8,428.8	0.00	0.00	0.00
19,686.0	90.00	179.46	10,645.0	-8,428.8	-132.2	8,429.8	0.00	0.00	0.00
19,687.0	90.00	179.46	10,645.0	-8,429.8	-132.2	8,430.8	0.00	0.00	0.00
19,688.0	90.00	179.46	10,645.0	-8,430.8	-132.1	8,431.8	0.00	0.00	0.00
19,689.0	90.00	179.46	10,645.0	-8,431.8	-132.1	8,432.8	0.00	0.00	0.00
19,690.0	90.00	179.46	10,645.0	-8,432.8	-132.1	8,433.8	0.00	0.00	0.00
19,691.0	90.00	179.46	10,645.0	-8,433.8	-132.1	8,434.8	0.00	0.00	0.00
19,692.0	90.00	179.46	10,645.0	-8,434.8	-132.1	8,435.8	0.00	0.00	0.00
19,693.0	90.00	179.46	10,645.0	-8,435.8	-132.1	8,436.8	0.00	0.00	0.00
19,694.0	90.00	179.46	10,645.0	-8,436.8	-132.1	8,437.8	0.00	0.00	0.00
19,695.0	90.00	179.46	10,645.0	-8,437.8	-132.1	8,438.8	0.00	0.00	0.00
19,696.0	90.00	179.46	10,645.0	-8,438.8	-132.1	8,439.8	0.00	0.00	0.00
19,697.0	90.00	179.46	10,645.0	-8,439.8	-132.1	8,440.8	0.00	0.00	0.00
19,698.0	90.00	179.46	10,645.0	-8,440.8	-132.1	8,441.8	0.00	0.00	0.00
19,699.0	90.00	179.46	10,645.0	-8,441.8	-132.0	8,442.8	0.00	0.00	0.00
19,700.0	90.00	179.46	10,645.0	-8,442.8	-132.0	8,443.8	0.05	0.00	0.05
19,701.0	90.00	179.46	10,645.0	-8,443.8	-132.0	8,444.8	0.00	0.00	0.00
19,702.0	90.00	179.46	10,645.0	-8,444.8	-132.0	8,445.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,703.0	90.00	179.46	10,645.0	-8,445.8	-132.0	8,446.8	0.00	0.00	0.00
19,704.0	90.00	179.46	10,645.0	-8,446.8	-132.0	8,447.8	0.00	0.00	0.00
19,705.0	90.00	179.46	10,645.0	-8,447.8	-132.0	8,448.8	0.00	0.00	0.00
19,706.0	90.00	179.46	10,645.0	-8,448.8	-132.0	8,449.8	0.00	0.00	0.00
19,707.0	90.00	179.46	10,645.0	-8,449.8	-132.0	8,450.8	0.00	0.00	0.00
19,708.0	90.00	179.46	10,645.0	-8,450.8	-132.0	8,451.8	0.00	0.00	0.00
19,709.0	90.00	179.46	10,645.0	-8,451.8	-131.9	8,452.8	0.00	0.00	0.00
19,710.0	90.00	179.46	10,645.0	-8,452.8	-131.9	8,453.8	0.00	0.00	0.00
19,711.0	90.00	179.46	10,645.0	-8,453.8	-131.9	8,454.8	0.00	0.00	0.00
19,712.0	90.00	179.46	10,645.0	-8,454.8	-131.9	8,455.8	0.00	0.00	0.00
19,713.0	90.00	179.46	10,645.0	-8,455.8	-131.9	8,456.8	0.00	0.00	0.00
19,714.0	90.00	179.46	10,645.0	-8,456.8	-131.9	8,457.8	0.00	0.00	0.00
19,715.0	90.00	179.46	10,645.0	-8,457.8	-131.9	8,458.8	0.00	0.00	0.00
19,716.0	90.00	179.46	10,645.0	-8,458.8	-131.9	8,459.8	0.00	0.00	0.00
19,717.0	90.00	179.46	10,645.0	-8,459.8	-131.9	8,460.8	0.00	0.00	0.00
19,718.0	90.00	179.46	10,645.0	-8,460.8	-131.9	8,461.8	0.00	0.00	0.00
19,719.0	90.00	179.46	10,645.0	-8,461.8	-131.9	8,462.8	0.00	0.00	0.00
19,720.0	90.00	179.46	10,645.0	-8,462.8	-131.8	8,463.8	0.00	0.00	0.00
19,721.0	90.00	179.46	10,645.0	-8,463.8	-131.8	8,464.8	0.00	0.00	0.00
19,722.0	90.00	179.46	10,645.0	-8,464.8	-131.8	8,465.8	0.00	0.00	0.00
19,723.0	90.00	179.46	10,645.0	-8,465.8	-131.8	8,466.8	0.00	0.00	0.00
19,724.0	90.00	179.46	10,645.0	-8,466.8	-131.8	8,467.8	0.00	0.00	0.00
19,725.0	90.00	179.46	10,645.0	-8,467.8	-131.8	8,468.8	0.00	0.00	0.00
19,726.0	90.00	179.46	10,645.0	-8,468.8	-131.8	8,469.8	0.00	0.00	0.00
19,727.0	90.00	179.46	10,645.0	-8,469.8	-131.8	8,470.8	0.00	0.00	0.00
19,728.0	90.00	179.46	10,645.0	-8,470.8	-131.8	8,471.8	0.00	0.00	0.00
19,729.0	90.00	179.46	10,645.0	-8,471.8	-131.8	8,472.8	0.00	0.00	0.00
19,730.0	90.00	179.46	10,645.0	-8,472.8	-131.8	8,473.8	0.00	0.00	0.00
19,731.0	90.00	179.46	10,645.0	-8,473.8	-131.7	8,474.8	0.00	0.00	0.00
19,732.0	90.00	179.46	10,645.0	-8,474.8	-131.7	8,475.8	0.00	0.00	0.00
19,733.0	90.00	179.46	10,645.0	-8,475.8	-131.7	8,476.8	0.00	0.00	0.00
19,734.0	90.00	179.46	10,645.0	-8,476.8	-131.7	8,477.8	0.00	0.00	0.00
19,735.0	90.00	179.46	10,645.0	-8,477.8	-131.7	8,478.8	0.00	0.00	0.00
19,736.0	90.00	179.46	10,645.0	-8,478.8	-131.7	8,479.8	0.00	0.00	0.00
19,737.0	90.00	179.46	10,645.0	-8,479.8	-131.7	8,480.8	0.00	0.00	0.00
19,738.0	90.00	179.46	10,645.0	-8,480.8	-131.7	8,481.8	0.00	0.00	0.00
19,739.0	90.00	179.46	10,645.0	-8,481.8	-131.7	8,482.8	0.00	0.00	0.00
19,740.0	90.00	179.46	10,645.0	-8,482.8	-131.7	8,483.8	0.00	0.00	0.00
19,741.0	90.00	179.46	10,645.0	-8,483.8	-131.7	8,484.8	0.00	0.00	0.00
19,742.0	90.00	179.46	10,645.0	-8,484.8	-131.6	8,485.8	0.00	0.00	0.00
19,743.0	90.00	179.46	10,645.0	-8,485.8	-131.6	8,486.8	0.00	0.00	0.00
19,744.0	90.00	179.46	10,645.0	-8,486.8	-131.6	8,487.8	0.00	0.00	0.00
19,745.0	90.00	179.46	10,645.0	-8,487.8	-131.6	8,488.8	0.00	0.00	0.00
19,746.0	90.00	179.46	10,645.0	-8,488.8	-131.6	8,489.8	0.00	0.00	0.00
19,747.0	90.00	179.46	10,645.0	-8,489.8	-131.6	8,490.8	0.00	0.00	0.00
19,748.0	90.00	179.46	10,645.0	-8,490.8	-131.6	8,491.8	0.00	0.00	0.00
19,749.0	90.00	179.46	10,645.0	-8,491.8	-131.6	8,492.8	0.00	0.00	0.00
19,750.0	90.00	179.46	10,645.0	-8,492.8	-131.6	8,493.8	0.00	0.00	0.00
19,751.0	90.00	179.46	10,645.0	-8,493.8	-131.6	8,494.8	0.00	0.00	0.00
19,752.0	90.00	179.46	10,645.0	-8,494.8	-131.5	8,495.8	0.00	0.00	0.00
19,753.0	90.00	179.46	10,645.0	-8,495.8	-131.5	8,496.8	0.00	0.00	0.00
19,754.0	90.00	179.46	10,645.0	-8,496.8	-131.5	8,497.8	0.00	0.00	0.00
19,755.0	90.00	179.46	10,645.0	-8,497.8	-131.5	8,498.8	0.00	0.00	0.00
19,756.0	90.00	179.46	10,645.0	-8,498.8	-131.5	8,499.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,757.0	90.00	179.46	10,645.0	-8,499.8	-131.5	8,500.8	0.00	0.00	0.00
19,758.0	90.00	179.46	10,645.0	-8,500.8	-131.5	8,501.8	0.00	0.00	0.00
19,759.0	90.00	179.46	10,645.0	-8,501.8	-131.5	8,502.8	0.00	0.00	0.00
19,760.0	90.00	179.46	10,645.0	-8,502.8	-131.5	8,503.8	0.00	0.00	0.00
19,761.0	90.00	179.46	10,645.0	-8,503.8	-131.5	8,504.8	0.00	0.00	0.00
19,762.0	90.00	179.46	10,645.0	-8,504.8	-131.5	8,505.8	0.00	0.00	0.00
19,763.0	90.00	179.46	10,645.0	-8,505.8	-131.4	8,506.8	0.00	0.00	0.00
19,764.0	90.00	179.46	10,645.0	-8,506.8	-131.4	8,507.8	0.00	0.00	0.00
19,765.0	90.00	179.46	10,645.0	-8,507.8	-131.4	8,508.8	0.00	0.00	0.00
19,766.0	90.00	179.46	10,645.0	-8,508.8	-131.4	8,509.8	0.00	0.00	0.00
19,767.0	90.00	179.46	10,645.0	-8,509.8	-131.4	8,510.8	0.00	0.00	0.00
19,768.0	90.00	179.46	10,645.0	-8,510.8	-131.4	8,511.8	0.00	0.00	0.00
19,769.0	90.00	179.46	10,645.0	-8,511.8	-131.4	8,512.8	0.00	0.00	0.00
19,770.0	90.00	179.46	10,645.0	-8,512.8	-131.4	8,513.8	0.00	0.00	0.00
19,771.0	90.00	179.46	10,645.0	-8,513.8	-131.4	8,514.8	0.00	0.00	0.00
19,772.0	90.00	179.46	10,645.0	-8,514.8	-131.4	8,515.8	0.00	0.00	0.00
19,773.0	90.00	179.46	10,645.0	-8,515.8	-131.4	8,516.8	0.00	0.00	0.00
19,774.0	90.00	179.46	10,645.0	-8,516.8	-131.3	8,517.8	0.00	0.00	0.00
19,775.0	90.00	179.46	10,645.0	-8,517.8	-131.3	8,518.8	0.00	0.00	0.00
19,776.0	90.00	179.46	10,645.0	-8,518.8	-131.3	8,519.8	0.00	0.00	0.00
19,777.0	90.00	179.46	10,645.0	-8,519.8	-131.3	8,520.8	0.00	0.00	0.00
19,778.0	90.00	179.46	10,645.0	-8,520.8	-131.3	8,521.8	0.00	0.00	0.00
19,779.0	90.00	179.46	10,645.0	-8,521.8	-131.3	8,522.8	0.00	0.00	0.00
19,780.0	90.00	179.46	10,645.0	-8,522.8	-131.3	8,523.8	0.00	0.00	0.00
19,781.0	90.00	179.46	10,645.0	-8,523.8	-131.3	8,524.8	0.00	0.00	0.00
19,782.0	90.00	179.46	10,645.0	-8,524.8	-131.3	8,525.8	0.00	0.00	0.00
19,783.0	90.00	179.46	10,645.0	-8,525.8	-131.3	8,526.8	0.00	0.00	0.00
19,784.0	90.00	179.46	10,645.0	-8,526.8	-131.2	8,527.8	0.00	0.00	0.00
19,785.0	90.00	179.46	10,645.0	-8,527.8	-131.2	8,528.8	0.00	0.00	0.00
19,786.0	90.00	179.46	10,645.0	-8,528.8	-131.2	8,529.8	0.00	0.00	0.00
19,787.0	90.00	179.46	10,645.0	-8,529.8	-131.2	8,530.8	0.00	0.00	0.00
19,788.0	90.00	179.46	10,645.0	-8,530.8	-131.2	8,531.8	0.00	0.00	0.00
19,789.0	90.00	179.46	10,645.0	-8,531.8	-131.2	8,532.8	0.00	0.00	0.00
19,790.0	90.00	179.46	10,645.0	-8,532.8	-131.2	8,533.8	0.00	0.00	0.00
19,791.0	90.00	179.46	10,645.0	-8,533.8	-131.2	8,534.8	0.00	0.00	0.00
19,792.0	90.00	179.46	10,645.0	-8,534.8	-131.2	8,535.8	0.00	0.00	0.00
19,793.0	90.00	179.46	10,645.0	-8,535.8	-131.2	8,536.8	0.00	0.00	0.00
19,794.0	90.00	179.46	10,645.0	-8,536.8	-131.2	8,537.8	0.00	0.00	0.00
19,795.0	90.00	179.46	10,645.0	-8,537.8	-131.1	8,538.8	0.00	0.00	0.00
19,796.0	90.00	179.46	10,645.0	-8,538.8	-131.1	8,539.8	0.00	0.00	0.00
19,797.0	90.00	179.46	10,645.0	-8,539.8	-131.1	8,540.8	0.00	0.00	0.00
19,798.0	90.00	179.46	10,645.0	-8,540.8	-131.1	8,541.8	0.00	0.00	0.00
19,799.0	90.00	179.46	10,645.0	-8,541.8	-131.1	8,542.8	0.00	0.00	0.00
19,800.0	90.00	179.46	10,645.0	-8,542.8	-131.1	8,543.8	0.05	0.00	0.05
19,801.0	90.00	179.46	10,645.0	-8,543.8	-131.1	8,544.8	0.00	0.00	0.00
19,802.0	90.00	179.46	10,645.0	-8,544.8	-131.1	8,545.8	0.00	0.00	0.00
19,803.0	90.00	179.46	10,645.0	-8,545.8	-131.1	8,546.8	0.00	0.00	0.00
19,804.0	90.00	179.46	10,645.0	-8,546.8	-131.1	8,547.8	0.00	0.00	0.00
19,805.0	90.00	179.46	10,645.0	-8,547.8	-131.1	8,548.8	0.00	0.00	0.00
19,806.0	90.00	179.46	10,645.0	-8,548.8	-131.0	8,549.8	0.00	0.00	0.00
19,807.0	90.00	179.46	10,645.0	-8,549.8	-131.0	8,550.8	0.00	0.00	0.00
19,808.0	90.00	179.46	10,645.0	-8,550.8	-131.0	8,551.8	0.00	0.00	0.00
19,809.0	90.00	179.46	10,645.0	-8,551.8	-131.0	8,552.8	0.00	0.00	0.00
19,810.0	90.00	179.46	10,645.0	-8,552.8	-131.0	8,553.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,811.0	90.00	179.46	10,645.0	-8,553.8	-131.0	8,554.8	0.00	0.00	0.00
19,812.0	90.00	179.46	10,645.0	-8,554.8	-131.0	8,555.8	0.00	0.00	0.00
19,813.0	90.00	179.46	10,645.0	-8,555.8	-131.0	8,556.8	0.00	0.00	0.00
19,814.0	90.00	179.46	10,645.0	-8,556.8	-131.0	8,557.8	0.00	0.00	0.00
19,815.0	90.00	179.46	10,645.0	-8,557.8	-131.0	8,558.8	0.00	0.00	0.00
19,816.0	90.00	179.46	10,645.0	-8,558.8	-130.9	8,559.8	0.00	0.00	0.00
19,817.0	90.00	179.46	10,645.0	-8,559.8	-130.9	8,560.8	0.00	0.00	0.00
19,818.0	90.00	179.46	10,645.0	-8,560.8	-130.9	8,561.8	0.00	0.00	0.00
19,819.0	90.00	179.46	10,645.0	-8,561.8	-130.9	8,562.8	0.00	0.00	0.00
19,820.0	90.00	179.46	10,645.0	-8,562.8	-130.9	8,563.8	0.00	0.00	0.00
19,821.0	90.00	179.46	10,645.0	-8,563.8	-130.9	8,564.8	0.00	0.00	0.00
19,822.0	90.00	179.46	10,645.0	-8,564.8	-130.9	8,565.8	0.00	0.00	0.00
19,823.0	90.00	179.46	10,645.0	-8,565.8	-130.9	8,566.8	0.00	0.00	0.00
19,824.0	90.00	179.46	10,645.0	-8,566.8	-130.9	8,567.8	0.00	0.00	0.00
19,825.0	90.00	179.46	10,645.0	-8,567.8	-130.9	8,568.8	0.00	0.00	0.00
19,826.0	90.00	179.46	10,645.0	-8,568.8	-130.9	8,569.8	0.00	0.00	0.00
19,827.0	90.00	179.46	10,645.0	-8,569.8	-130.8	8,570.8	0.00	0.00	0.00
19,828.0	90.00	179.46	10,645.0	-8,570.8	-130.8	8,571.8	0.00	0.00	0.00
19,829.0	90.00	179.46	10,645.0	-8,571.8	-130.8	8,572.8	0.00	0.00	0.00
19,830.0	90.00	179.46	10,645.0	-8,572.8	-130.8	8,573.8	0.00	0.00	0.00
19,831.0	90.00	179.46	10,645.0	-8,573.8	-130.8	8,574.8	0.00	0.00	0.00
19,832.0	90.00	179.46	10,645.0	-8,574.8	-130.8	8,575.8	0.00	0.00	0.00
19,833.0	90.00	179.46	10,645.0	-8,575.8	-130.8	8,576.8	0.00	0.00	0.00
19,834.0	90.00	179.46	10,645.0	-8,576.8	-130.8	8,577.8	0.00	0.00	0.00
19,835.0	90.00	179.46	10,645.0	-8,577.8	-130.8	8,578.8	0.00	0.00	0.00
19,836.0	90.00	179.46	10,645.0	-8,578.8	-130.8	8,579.8	0.00	0.00	0.00
19,837.0	90.00	179.46	10,645.0	-8,579.8	-130.8	8,580.8	0.00	0.00	0.00
19,838.0	90.00	179.46	10,645.0	-8,580.8	-130.7	8,581.8	0.00	0.00	0.00
19,839.0	90.00	179.46	10,645.0	-8,581.8	-130.7	8,582.8	0.00	0.00	0.00
19,840.0	90.00	179.46	10,645.0	-8,582.8	-130.7	8,583.8	0.00	0.00	0.00
19,841.0	90.00	179.46	10,645.0	-8,583.8	-130.7	8,584.8	0.00	0.00	0.00
19,842.0	90.00	179.46	10,645.0	-8,584.8	-130.7	8,585.8	0.00	0.00	0.00
19,843.0	90.00	179.46	10,645.0	-8,585.8	-130.7	8,586.8	0.00	0.00	0.00
19,844.0	90.00	179.46	10,645.0	-8,586.8	-130.7	8,587.8	0.00	0.00	0.00
19,845.0	90.00	179.46	10,645.0	-8,587.8	-130.7	8,588.8	0.00	0.00	0.00
19,846.0	90.00	179.46	10,645.0	-8,588.8	-130.7	8,589.8	0.00	0.00	0.00
19,847.0	90.00	179.46	10,645.0	-8,589.8	-130.7	8,590.8	0.00	0.00	0.00
19,848.0	90.00	179.46	10,645.0	-8,590.8	-130.7	8,591.8	0.00	0.00	0.00
19,849.0	90.00	179.46	10,645.0	-8,591.8	-130.6	8,592.8	0.00	0.00	0.00
19,850.0	90.00	179.46	10,645.0	-8,592.8	-130.6	8,593.8	0.00	0.00	0.00
19,851.0	90.00	179.46	10,645.0	-8,593.8	-130.6	8,594.8	0.00	0.00	0.00
19,852.0	90.00	179.46	10,645.0	-8,594.8	-130.6	8,595.8	0.00	0.00	0.00
19,853.0	90.00	179.46	10,645.0	-8,595.8	-130.6	8,596.8	0.00	0.00	0.00
19,854.0	90.00	179.46	10,645.0	-8,596.8	-130.6	8,597.8	0.00	0.00	0.00
19,855.0	90.00	179.46	10,645.0	-8,597.8	-130.6	8,598.8	0.00	0.00	0.00
19,856.0	90.00	179.46	10,645.0	-8,598.8	-130.6	8,599.8	0.00	0.00	0.00
19,857.0	90.00	179.46	10,645.0	-8,599.8	-130.6	8,600.8	0.00	0.00	0.00
19,858.0	90.00	179.46	10,645.0	-8,600.8	-130.6	8,601.8	0.00	0.00	0.00
19,859.0	90.00	179.46	10,645.0	-8,601.8	-130.5	8,602.8	0.00	0.00	0.00
19,860.0	90.00	179.46	10,645.0	-8,602.8	-130.5	8,603.8	0.00	0.00	0.00
19,861.0	90.00	179.46	10,645.0	-8,603.8	-130.5	8,604.8	0.00	0.00	0.00
19,862.0	90.00	179.46	10,645.0	-8,604.8	-130.5	8,605.8	0.00	0.00	0.00
19,863.0	90.00	179.46	10,645.0	-8,605.8	-130.5	8,606.8	0.00	0.00	0.00
19,864.0	90.00	179.46	10,645.0	-8,606.8	-130.5	8,607.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,865.0	90.00	179.46	10,645.0	-8,607.8	-130.5	8,608.8	0.00	0.00	0.00
19,866.0	90.00	179.46	10,645.0	-8,608.8	-130.5	8,609.8	0.00	0.00	0.00
19,867.0	90.00	179.46	10,645.0	-8,609.8	-130.5	8,610.8	0.00	0.00	0.00
19,868.0	90.00	179.46	10,645.0	-8,610.8	-130.5	8,611.8	0.00	0.00	0.00
19,869.0	90.00	179.46	10,645.0	-8,611.8	-130.5	8,612.8	0.00	0.00	0.00
19,870.0	90.00	179.46	10,645.0	-8,612.8	-130.4	8,613.8	0.00	0.00	0.00
19,871.0	90.00	179.46	10,645.0	-8,613.8	-130.4	8,614.8	0.00	0.00	0.00
19,872.0	90.00	179.46	10,645.0	-8,614.8	-130.4	8,615.8	0.00	0.00	0.00
19,873.0	90.00	179.46	10,645.0	-8,615.8	-130.4	8,616.8	0.00	0.00	0.00
19,874.0	90.00	179.46	10,645.0	-8,616.8	-130.4	8,617.8	0.00	0.00	0.00
19,875.0	90.00	179.46	10,645.0	-8,617.8	-130.4	8,618.8	0.00	0.00	0.00
19,876.0	90.00	179.46	10,645.0	-8,618.8	-130.4	8,619.8	0.00	0.00	0.00
19,877.0	90.00	179.46	10,645.0	-8,619.8	-130.4	8,620.8	0.00	0.00	0.00
19,878.0	90.00	179.46	10,645.0	-8,620.8	-130.4	8,621.8	0.00	0.00	0.00
19,879.0	90.00	179.46	10,645.0	-8,621.8	-130.4	8,622.8	0.00	0.00	0.00
19,880.0	90.00	179.46	10,645.0	-8,622.8	-130.4	8,623.8	0.00	0.00	0.00
19,881.0	90.00	179.46	10,645.0	-8,623.8	-130.3	8,624.8	0.00	0.00	0.00
19,882.0	90.00	179.46	10,645.0	-8,624.8	-130.3	8,625.8	0.00	0.00	0.00
19,883.0	90.00	179.46	10,645.0	-8,625.8	-130.3	8,626.8	0.00	0.00	0.00
19,884.0	90.00	179.46	10,645.0	-8,626.8	-130.3	8,627.8	0.00	0.00	0.00
19,885.0	90.00	179.46	10,645.0	-8,627.8	-130.3	8,628.8	0.00	0.00	0.00
19,886.0	90.00	179.46	10,645.0	-8,628.8	-130.3	8,629.8	0.00	0.00	0.00
19,887.0	90.00	179.46	10,645.0	-8,629.8	-130.3	8,630.8	0.00	0.00	0.00
19,888.0	90.00	179.46	10,645.0	-8,630.8	-130.3	8,631.8	0.00	0.00	0.00
19,889.0	90.00	179.46	10,645.0	-8,631.8	-130.3	8,632.8	0.00	0.00	0.00
19,890.0	90.00	179.46	10,645.0	-8,632.8	-130.3	8,633.8	0.00	0.00	0.00
19,891.0	90.00	179.46	10,645.0	-8,633.8	-130.2	8,634.8	0.00	0.00	0.00
19,892.0	90.00	179.46	10,645.0	-8,634.8	-130.2	8,635.8	0.00	0.00	0.00
19,893.0	90.00	179.46	10,645.0	-8,635.8	-130.2	8,636.8	0.00	0.00	0.00
19,894.0	90.00	179.46	10,645.0	-8,636.8	-130.2	8,637.8	0.00	0.00	0.00
19,895.0	90.00	179.46	10,645.0	-8,637.8	-130.2	8,638.8	0.00	0.00	0.00
19,896.0	90.00	179.46	10,645.0	-8,638.8	-130.2	8,639.8	0.00	0.00	0.00
19,897.0	90.00	179.46	10,645.0	-8,639.8	-130.2	8,640.8	0.00	0.00	0.00
19,898.0	90.00	179.46	10,645.0	-8,640.8	-130.2	8,641.8	0.00	0.00	0.00
19,899.0	90.00	179.46	10,645.0	-8,641.8	-130.2	8,642.8	0.00	0.00	0.00
19,900.0	90.00	179.46	10,645.0	-8,642.8	-130.2	8,643.8	0.05	0.00	0.05
19,901.0	90.00	179.46	10,645.0	-8,643.8	-130.2	8,644.8	0.00	0.00	0.00
19,902.0	90.00	179.46	10,645.0	-8,644.8	-130.1	8,645.8	0.00	0.00	0.00
19,903.0	90.00	179.46	10,645.0	-8,645.8	-130.1	8,646.8	0.00	0.00	0.00
19,904.0	90.00	179.46	10,645.0	-8,646.8	-130.1	8,647.8	0.00	0.00	0.00
19,905.0	90.00	179.46	10,645.0	-8,647.8	-130.1	8,648.8	0.00	0.00	0.00
19,906.0	90.00	179.46	10,645.0	-8,648.8	-130.1	8,649.8	0.00	0.00	0.00
19,907.0	90.00	179.46	10,645.0	-8,649.8	-130.1	8,650.8	0.00	0.00	0.00
19,908.0	90.00	179.46	10,645.0	-8,650.8	-130.1	8,651.8	0.00	0.00	0.00
19,909.0	90.00	179.46	10,645.0	-8,651.8	-130.1	8,652.8	0.00	0.00	0.00
19,910.0	90.00	179.46	10,645.0	-8,652.8	-130.1	8,653.8	0.00	0.00	0.00
19,911.0	90.00	179.46	10,645.0	-8,653.8	-130.1	8,654.8	0.00	0.00	0.00
19,912.0	90.00	179.46	10,645.0	-8,654.8	-130.1	8,655.8	0.00	0.00	0.00
19,913.0	90.00	179.46	10,645.0	-8,655.8	-130.0	8,656.8	0.00	0.00	0.00
19,914.0	90.00	179.46	10,645.0	-8,656.8	-130.0	8,657.8	0.00	0.00	0.00
19,915.0	90.00	179.46	10,645.0	-8,657.8	-130.0	8,658.8	0.00	0.00	0.00
19,916.0	90.00	179.46	10,645.0	-8,658.8	-130.0	8,659.8	0.00	0.00	0.00
19,917.0	90.00	179.46	10,645.0	-8,659.8	-130.0	8,660.8	0.00	0.00	0.00
19,918.0	90.00	179.46	10,645.0	-8,660.8	-130.0	8,661.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,919.0	90.00	179.46	10,645.0	-8,661.8	-130.0	8,662.8	0.00	0.00	0.00
19,920.0	90.00	179.46	10,645.0	-8,662.8	-130.0	8,663.8	0.00	0.00	0.00
19,921.0	90.00	179.46	10,645.0	-8,663.8	-130.0	8,664.8	0.00	0.00	0.00
19,922.0	90.00	179.46	10,645.0	-8,664.8	-130.0	8,665.8	0.00	0.00	0.00
19,923.0	90.00	179.46	10,645.0	-8,665.8	-129.9	8,666.8	0.00	0.00	0.00
19,924.0	90.00	179.46	10,645.0	-8,666.8	-129.9	8,667.8	0.00	0.00	0.00
19,925.0	90.00	179.46	10,645.0	-8,667.8	-129.9	8,668.8	0.00	0.00	0.00
19,926.0	90.00	179.46	10,645.0	-8,668.8	-129.9	8,669.8	0.00	0.00	0.00
19,927.0	90.00	179.46	10,645.0	-8,669.8	-129.9	8,670.8	0.00	0.00	0.00
19,928.0	90.00	179.46	10,645.0	-8,670.8	-129.9	8,671.8	0.00	0.00	0.00
19,929.0	90.00	179.46	10,645.0	-8,671.8	-129.9	8,672.8	0.00	0.00	0.00
19,930.0	90.00	179.46	10,645.0	-8,672.8	-129.9	8,673.8	0.00	0.00	0.00
19,931.0	90.00	179.46	10,645.0	-8,673.8	-129.9	8,674.8	0.00	0.00	0.00
19,932.0	90.00	179.46	10,645.0	-8,674.8	-129.9	8,675.8	0.00	0.00	0.00
19,933.0	90.00	179.46	10,645.0	-8,675.8	-129.9	8,676.8	0.00	0.00	0.00
19,934.0	90.00	179.46	10,645.0	-8,676.8	-129.8	8,677.8	0.00	0.00	0.00
19,935.0	90.00	179.46	10,645.0	-8,677.8	-129.8	8,678.8	0.00	0.00	0.00
19,936.0	90.00	179.46	10,645.0	-8,678.8	-129.8	8,679.8	0.00	0.00	0.00
19,937.0	90.00	179.46	10,645.0	-8,679.8	-129.8	8,680.8	0.00	0.00	0.00
19,938.0	90.00	179.46	10,645.0	-8,680.8	-129.8	8,681.8	0.00	0.00	0.00
19,939.0	90.00	179.46	10,645.0	-8,681.8	-129.8	8,682.8	0.00	0.00	0.00
19,940.0	90.00	179.46	10,645.0	-8,682.8	-129.8	8,683.8	0.00	0.00	0.00
19,941.0	90.00	179.46	10,645.0	-8,683.8	-129.8	8,684.8	0.00	0.00	0.00
19,942.0	90.00	179.46	10,645.0	-8,684.8	-129.8	8,685.8	0.00	0.00	0.00
19,943.0	90.00	179.46	10,645.0	-8,685.8	-129.8	8,686.8	0.00	0.00	0.00
19,944.0	90.00	179.46	10,645.0	-8,686.8	-129.8	8,687.8	0.00	0.00	0.00
19,945.0	90.00	179.46	10,645.0	-8,687.8	-129.7	8,688.8	0.00	0.00	0.00
19,946.0	90.00	179.46	10,645.0	-8,688.8	-129.7	8,689.8	0.00	0.00	0.00
19,947.0	90.00	179.46	10,645.0	-8,689.8	-129.7	8,690.8	0.00	0.00	0.00
19,948.0	90.00	179.46	10,645.0	-8,690.8	-129.7	8,691.8	0.00	0.00	0.00
19,949.0	90.00	179.46	10,645.0	-8,691.8	-129.7	8,692.8	0.00	0.00	0.00
19,950.0	90.00	179.46	10,645.0	-8,692.8	-129.7	8,693.8	0.00	0.00	0.00
19,951.0	90.00	179.46	10,645.0	-8,693.8	-129.7	8,694.8	0.00	0.00	0.00
19,952.0	90.00	179.46	10,645.0	-8,694.8	-129.7	8,695.8	0.00	0.00	0.00
19,953.0	90.00	179.46	10,645.0	-8,695.8	-129.7	8,696.8	0.00	0.00	0.00
19,954.0	90.00	179.46	10,645.0	-8,696.8	-129.7	8,697.8	0.00	0.00	0.00
19,955.0	90.00	179.46	10,645.0	-8,697.8	-129.7	8,698.8	0.00	0.00	0.00
19,956.0	90.00	179.46	10,645.0	-8,698.8	-129.6	8,699.8	0.00	0.00	0.00
19,957.0	90.00	179.46	10,645.0	-8,699.8	-129.6	8,700.8	0.00	0.00	0.00
19,958.0	90.00	179.46	10,645.0	-8,700.8	-129.6	8,701.8	0.00	0.00	0.00
19,959.0	90.00	179.46	10,645.0	-8,701.8	-129.6	8,702.8	0.00	0.00	0.00
19,960.0	90.00	179.46	10,645.0	-8,702.8	-129.6	8,703.8	0.00	0.00	0.00
19,961.0	90.00	179.46	10,645.0	-8,703.8	-129.6	8,704.8	0.00	0.00	0.00
19,962.0	90.00	179.46	10,645.0	-8,704.8	-129.6	8,705.8	0.00	0.00	0.00
19,963.0	90.00	179.46	10,645.0	-8,705.8	-129.6	8,706.8	0.00	0.00	0.00
19,964.0	90.00	179.46	10,645.0	-8,706.8	-129.6	8,707.8	0.00	0.00	0.00
19,965.0	90.00	179.46	10,645.0	-8,707.8	-129.6	8,708.8	0.00	0.00	0.00
19,966.0	90.00	179.46	10,645.0	-8,708.8	-129.5	8,709.8	0.00	0.00	0.00
19,967.0	90.00	179.46	10,645.0	-8,709.8	-129.5	8,710.8	0.00	0.00	0.00
19,968.0	90.00	179.46	10,645.0	-8,710.8	-129.5	8,711.8	0.00	0.00	0.00
19,969.0	90.00	179.46	10,645.0	-8,711.8	-129.5	8,712.8	0.00	0.00	0.00
19,970.0	90.00	179.46	10,645.0	-8,712.8	-129.5	8,713.8	0.00	0.00	0.00
19,971.0	90.00	179.46	10,645.0	-8,713.8	-129.5	8,714.8	0.00	0.00	0.00
19,972.0	90.00	179.46	10,645.0	-8,714.8	-129.5	8,715.8	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,973.0	90.00	179.46	10,645.0	-8,715.8	-129.5	8,716.8	0.00	0.00	0.00
19,974.0	90.00	179.46	10,645.0	-8,716.8	-129.5	8,717.8	0.00	0.00	0.00
19,975.0	90.00	179.46	10,645.0	-8,717.8	-129.5	8,718.8	0.00	0.00	0.00
19,976.0	90.00	179.46	10,645.0	-8,718.8	-129.5	8,719.8	0.00	0.00	0.00
19,977.0	90.00	179.46	10,645.0	-8,719.8	-129.4	8,720.8	0.00	0.00	0.00
19,978.0	90.00	179.46	10,645.0	-8,720.8	-129.4	8,721.8	0.00	0.00	0.00
19,979.0	90.00	179.46	10,645.0	-8,721.8	-129.4	8,722.8	0.00	0.00	0.00
19,980.0	90.00	179.46	10,645.0	-8,722.8	-129.4	8,723.8	0.00	0.00	0.00
19,981.0	90.00	179.46	10,645.0	-8,723.8	-129.4	8,724.8	0.00	0.00	0.00
19,982.0	90.00	179.46	10,645.0	-8,724.8	-129.4	8,725.8	0.00	0.00	0.00
19,983.0	90.00	179.46	10,645.0	-8,725.8	-129.4	8,726.8	0.00	0.00	0.00
19,984.0	90.00	179.46	10,645.0	-8,726.8	-129.4	8,727.8	0.00	0.00	0.00
19,985.0	90.00	179.46	10,645.0	-8,727.8	-129.4	8,728.8	0.00	0.00	0.00
19,986.0	90.00	179.46	10,645.0	-8,728.8	-129.4	8,729.8	0.00	0.00	0.00
19,987.0	90.00	179.46	10,645.0	-8,729.8	-129.4	8,730.8	0.00	0.00	0.00
19,988.0	90.00	179.46	10,645.0	-8,730.8	-129.3	8,731.8	0.00	0.00	0.00
19,989.0	90.00	179.46	10,645.0	-8,731.8	-129.3	8,732.8	0.00	0.00	0.00
19,990.0	90.00	179.46	10,645.0	-8,732.8	-129.3	8,733.8	0.00	0.00	0.00
19,991.0	90.00	179.46	10,645.0	-8,733.8	-129.3	8,734.8	0.00	0.00	0.00
19,992.0	90.00	179.46	10,645.0	-8,734.8	-129.3	8,735.8	0.00	0.00	0.00
19,993.0	90.00	179.46	10,645.0	-8,735.8	-129.3	8,736.8	0.00	0.00	0.00
19,994.0	90.00	179.46	10,645.0	-8,736.8	-129.3	8,737.8	0.00	0.00	0.00
19,995.0	90.00	179.46	10,645.0	-8,737.8	-129.3	8,738.8	0.00	0.00	0.00
19,996.0	90.00	179.46	10,645.0	-8,738.8	-129.3	8,739.8	0.00	0.00	0.00
19,997.0	90.00	179.46	10,645.0	-8,739.8	-129.3	8,740.8	0.00	0.00	0.00
19,998.0	90.00	179.46	10,645.0	-8,740.8	-129.2	8,741.8	0.00	0.00	0.00
19,999.0	90.00	179.46	10,645.0	-8,741.8	-129.2	8,742.8	0.00	0.00	0.00
20,000.0	90.00	179.47	10,645.0	-8,742.8	-129.2	8,743.8	0.05	0.00	0.05
20,001.0	90.00	179.47	10,645.0	-8,743.8	-129.2	8,744.8	0.00	0.00	0.00
20,002.0	90.00	179.47	10,645.0	-8,744.8	-129.2	8,745.8	0.00	0.00	0.00
20,003.0	90.00	179.47	10,645.0	-8,745.8	-129.2	8,746.8	0.00	0.00	0.00
20,004.0	90.00	179.47	10,645.0	-8,746.8	-129.2	8,747.8	0.00	0.00	0.00
20,005.0	90.00	179.47	10,645.0	-8,747.8	-129.2	8,748.8	0.00	0.00	0.00
20,006.0	90.00	179.47	10,645.0	-8,748.8	-129.2	8,749.8	0.00	0.00	0.00
20,007.0	90.00	179.47	10,645.0	-8,749.8	-129.2	8,750.7	0.00	0.00	0.00
20,008.0	90.00	179.47	10,645.0	-8,750.8	-129.2	8,751.7	0.00	0.00	0.00
20,009.0	90.00	179.47	10,645.0	-8,751.8	-129.1	8,752.7	0.00	0.00	0.00
20,010.0	90.00	179.47	10,645.0	-8,752.8	-129.1	8,753.7	0.00	0.00	0.00
20,011.0	90.00	179.47	10,645.0	-8,753.8	-129.1	8,754.7	0.00	0.00	0.00
20,012.0	90.00	179.47	10,645.0	-8,754.8	-129.1	8,755.7	0.00	0.00	0.00
20,013.0	90.00	179.47	10,645.0	-8,755.8	-129.1	8,756.7	0.00	0.00	0.00
20,014.0	90.00	179.47	10,645.0	-8,756.8	-129.1	8,757.7	0.00	0.00	0.00
20,015.0	90.00	179.47	10,645.0	-8,757.8	-129.1	8,758.7	0.00	0.00	0.00
20,016.0	90.00	179.47	10,645.0	-8,758.8	-129.1	8,759.7	0.00	0.00	0.00
20,017.0	90.00	179.47	10,645.0	-8,759.8	-129.1	8,760.7	0.00	0.00	0.00
20,018.0	90.00	179.47	10,645.0	-8,760.8	-129.1	8,761.7	0.00	0.00	0.00
20,019.0	90.00	179.47	10,645.0	-8,761.8	-129.1	8,762.7	0.00	0.00	0.00
20,020.0	90.00	179.47	10,645.0	-8,762.8	-129.0	8,763.7	0.00	0.00	0.00
20,021.0	90.00	179.47	10,645.0	-8,763.8	-129.0	8,764.7	0.00	0.00	0.00
20,022.0	90.00	179.47	10,645.0	-8,764.8	-129.0	8,765.7	0.00	0.00	0.00
20,023.0	90.00	179.47	10,645.0	-8,765.8	-129.0	8,766.7	0.00	0.00	0.00
20,024.0	90.00	179.47	10,645.0	-8,766.8	-129.0	8,767.7	0.00	0.00	0.00
20,025.0	90.00	179.47	10,645.0	-8,767.8	-129.0	8,768.7	0.00	0.00	0.00
20,026.0	90.00	179.47	10,645.0	-8,768.8	-129.0	8,769.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,027.0	90.00	179.47	10,645.0	-8,769.8	-129.0	8,770.7	0.00	0.00	0.00	
20,028.0	90.00	179.47	10,645.0	-8,770.8	-129.0	8,771.7	0.00	0.00	0.00	
20,029.0	90.00	179.47	10,645.0	-8,771.8	-129.0	8,772.7	0.00	0.00	0.00	
20,030.0	90.00	179.47	10,645.0	-8,772.8	-129.0	8,773.7	0.00	0.00	0.00	
20,031.0	90.00	179.47	10,645.0	-8,773.8	-128.9	8,774.7	0.00	0.00	0.00	
20,032.0	90.00	179.47	10,645.0	-8,774.8	-128.9	8,775.7	0.00	0.00	0.00	
20,033.0	90.00	179.47	10,645.0	-8,775.8	-128.9	8,776.7	0.00	0.00	0.00	
20,034.0	90.00	179.47	10,645.0	-8,776.8	-128.9	8,777.7	0.00	0.00	0.00	
20,035.0	90.00	179.47	10,645.0	-8,777.8	-128.9	8,778.7	0.00	0.00	0.00	
20,036.0	90.00	179.47	10,645.0	-8,778.8	-128.9	8,779.7	0.00	0.00	0.00	
20,037.0	90.00	179.47	10,645.0	-8,779.8	-128.9	8,780.7	0.00	0.00	0.00	
20,038.0	90.00	179.47	10,645.0	-8,780.8	-128.9	8,781.7	0.00	0.00	0.00	
20,039.0	90.00	179.47	10,645.0	-8,781.8	-128.9	8,782.7	0.00	0.00	0.00	
20,040.0	90.00	179.47	10,645.0	-8,782.8	-128.9	8,783.7	0.00	0.00	0.00	
20,041.0	90.00	179.47	10,645.0	-8,783.8	-128.8	8,784.7	0.00	0.00	0.00	
20,042.0	90.00	179.47	10,645.0	-8,784.8	-128.8	8,785.7	0.00	0.00	0.00	
20,043.0	90.00	179.47	10,645.0	-8,785.8	-128.8	8,786.7	0.00	0.00	0.00	
20,044.0	90.00	179.47	10,645.0	-8,786.8	-128.8	8,787.7	0.00	0.00	0.00	
20,045.0	90.00	179.47	10,645.0	-8,787.8	-128.8	8,788.7	0.00	0.00	0.00	
20,046.0	90.00	179.47	10,645.0	-8,788.8	-128.8	8,789.7	0.00	0.00	0.00	
20,047.0	90.00	179.47	10,645.0	-8,789.8	-128.8	8,790.7	0.00	0.00	0.00	
20,048.0	90.00	179.47	10,645.0	-8,790.8	-128.8	8,791.7	0.00	0.00	0.00	
20,049.0	90.00	179.47	10,645.0	-8,791.8	-128.8	8,792.7	0.00	0.00	0.00	
20,050.0	90.00	179.47	10,645.0	-8,792.8	-128.8	8,793.7	0.00	0.00	0.00	
20,051.0	90.00	179.47	10,645.0	-8,793.8	-128.8	8,794.7	0.00	0.00	0.00	
20,052.0	90.00	179.47	10,645.0	-8,794.8	-128.7	8,795.7	0.00	0.00	0.00	
20,053.0	90.00	179.47	10,645.0	-8,795.8	-128.7	8,796.7	0.00	0.00	0.00	
20,054.0	90.00	179.47	10,645.0	-8,796.8	-128.7	8,797.7	0.00	0.00	0.00	
20,055.0	90.00	179.47	10,645.0	-8,797.8	-128.7	8,798.7	0.00	0.00	0.00	
20,056.0	90.00	179.47	10,645.0	-8,798.8	-128.7	8,799.7	0.00	0.00	0.00	
20,057.0	90.00	179.47	10,645.0	-8,799.8	-128.7	8,800.7	0.00	0.00	0.00	
20,058.0	90.00	179.47	10,645.0	-8,800.8	-128.7	8,801.7	0.00	0.00	0.00	
20,059.0	90.00	179.47	10,645.0	-8,801.8	-128.7	8,802.7	0.00	0.00	0.00	
20,060.0	90.00	179.47	10,645.0	-8,802.8	-128.7	8,803.7	0.00	0.00	0.00	
20,061.0	90.00	179.47	10,645.0	-8,803.8	-128.7	8,804.7	0.00	0.00	0.00	
20,062.0	90.00	179.47	10,645.0	-8,804.8	-128.7	8,805.7	0.00	0.00	0.00	
20,063.0	90.00	179.47	10,645.0	-8,805.8	-128.6	8,806.7	0.00	0.00	0.00	
20,064.0	90.00	179.47	10,645.0	-8,806.8	-128.6	8,807.7	0.00	0.00	0.00	
20,065.0	90.00	179.47	10,645.0	-8,807.8	-128.6	8,808.7	0.00	0.00	0.00	
20,066.0	90.00	179.47	10,645.0	-8,808.8	-128.6	8,809.7	0.00	0.00	0.00	
20,067.0	90.00	179.47	10,645.0	-8,809.8	-128.6	8,810.7	0.00	0.00	0.00	
20,068.0	90.00	179.47	10,645.0	-8,810.8	-128.6	8,811.7	0.00	0.00	0.00	
20,069.0	90.00	179.47	10,645.0	-8,811.8	-128.6	8,812.7	0.00	0.00	0.00	
20,070.0	90.00	179.47	10,645.0	-8,812.8	-128.6	8,813.7	0.00	0.00	0.00	
20,071.0	90.00	179.47	10,645.0	-8,813.8	-128.6	8,814.7	0.00	0.00	0.00	
20,072.0	90.00	179.47	10,645.0	-8,814.8	-128.6	8,815.7	0.00	0.00	0.00	
20,073.0	90.00	179.47	10,645.0	-8,815.8	-128.6	8,816.7	0.00	0.00	0.00	
20,074.0	90.00	179.47	10,645.0	-8,816.8	-128.5	8,817.7	0.00	0.00	0.00	
20,075.0	90.00	179.47	10,645.0	-8,817.8	-128.5	8,818.7	0.00	0.00	0.00	
20,076.0	90.00	179.47	10,645.0	-8,818.8	-128.5	8,819.7	0.00	0.00	0.00	
20,077.0	90.00	179.47	10,645.0	-8,819.8	-128.5	8,820.7	0.00	0.00	0.00	
20,078.0	90.00	179.47	10,645.0	-8,820.8	-128.5	8,821.7	0.00	0.00	0.00	
20,079.0	90.00	179.47	10,645.0	-8,821.8	-128.5	8,822.7	0.00	0.00	0.00	
20,080.0	90.00	179.47	10,645.0	-8,822.8	-128.5	8,823.7	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,081.0	90.00	179.47	10,645.0	-8,823.8	-128.5	8,824.7	0.00	0.00	0.00	
20,082.0	90.00	179.47	10,645.0	-8,824.8	-128.5	8,825.7	0.00	0.00	0.00	
20,083.0	90.00	179.47	10,645.0	-8,825.8	-128.5	8,826.7	0.00	0.00	0.00	
20,084.0	90.00	179.47	10,645.0	-8,826.8	-128.4	8,827.7	0.00	0.00	0.00	
20,085.0	90.00	179.47	10,645.0	-8,827.8	-128.4	8,828.7	0.00	0.00	0.00	
20,086.0	90.00	179.47	10,645.0	-8,828.8	-128.4	8,829.7	0.00	0.00	0.00	
20,087.0	90.00	179.47	10,645.0	-8,829.8	-128.4	8,830.7	0.00	0.00	0.00	
20,088.0	90.00	179.47	10,645.0	-8,830.8	-128.4	8,831.7	0.00	0.00	0.00	
20,089.0	90.00	179.47	10,645.0	-8,831.8	-128.4	8,832.7	0.00	0.00	0.00	
20,090.0	90.00	179.47	10,645.0	-8,832.8	-128.4	8,833.7	0.00	0.00	0.00	
20,091.0	90.00	179.47	10,645.0	-8,833.8	-128.4	8,834.7	0.00	0.00	0.00	
20,092.0	90.00	179.47	10,645.0	-8,834.8	-128.4	8,835.7	0.00	0.00	0.00	
20,093.0	90.00	179.47	10,645.0	-8,835.8	-128.4	8,836.7	0.00	0.00	0.00	
20,094.0	90.00	179.47	10,645.0	-8,836.8	-128.4	8,837.7	0.00	0.00	0.00	
20,095.0	90.00	179.47	10,645.0	-8,837.8	-128.3	8,838.7	0.00	0.00	0.00	
20,096.0	90.00	179.47	10,645.0	-8,838.8	-128.3	8,839.7	0.00	0.00	0.00	
20,097.0	90.00	179.47	10,645.0	-8,839.8	-128.3	8,840.7	0.00	0.00	0.00	
20,098.0	90.00	179.47	10,645.0	-8,840.8	-128.3	8,841.7	0.00	0.00	0.00	
20,099.0	90.00	179.47	10,645.0	-8,841.8	-128.3	8,842.7	0.00	0.00	0.00	
20,100.0	90.00	179.47	10,645.0	-8,842.8	-128.3	8,843.7	0.05	0.00	0.05	
20,101.0	90.00	179.47	10,645.0	-8,843.8	-128.3	8,844.7	0.00	0.00	0.00	
20,102.0	90.00	179.47	10,645.0	-8,844.8	-128.3	8,845.7	0.00	0.00	0.00	
20,103.0	90.00	179.47	10,645.0	-8,845.8	-128.3	8,846.7	0.00	0.00	0.00	
20,104.0	90.00	179.47	10,645.0	-8,846.8	-128.3	8,847.7	0.00	0.00	0.00	
20,105.0	90.00	179.47	10,645.0	-8,847.8	-128.3	8,848.7	0.00	0.00	0.00	
20,106.0	90.00	179.47	10,645.0	-8,848.8	-128.2	8,849.7	0.00	0.00	0.00	
20,107.0	90.00	179.47	10,645.0	-8,849.8	-128.2	8,850.7	0.00	0.00	0.00	
20,108.0	90.00	179.47	10,645.0	-8,850.8	-128.2	8,851.7	0.00	0.00	0.00	
20,109.0	90.00	179.47	10,645.0	-8,851.8	-128.2	8,852.7	0.00	0.00	0.00	
20,110.0	90.00	179.47	10,645.0	-8,852.8	-128.2	8,853.7	0.00	0.00	0.00	
20,111.0	90.00	179.47	10,645.0	-8,853.8	-128.2	8,854.7	0.00	0.00	0.00	
20,112.0	90.00	179.47	10,645.0	-8,854.8	-128.2	8,855.7	0.00	0.00	0.00	
20,113.0	90.00	179.47	10,645.0	-8,855.8	-128.2	8,856.7	0.00	0.00	0.00	
20,114.0	90.00	179.47	10,645.0	-8,856.8	-128.2	8,857.7	0.00	0.00	0.00	
20,115.0	90.00	179.47	10,645.0	-8,857.8	-128.2	8,858.7	0.00	0.00	0.00	
20,116.0	90.00	179.47	10,645.0	-8,858.8	-128.1	8,859.7	0.00	0.00	0.00	
20,117.0	90.00	179.47	10,645.0	-8,859.8	-128.1	8,860.7	0.00	0.00	0.00	
20,118.0	90.00	179.47	10,645.0	-8,860.8	-128.1	8,861.7	0.00	0.00	0.00	
20,119.0	90.00	179.47	10,645.0	-8,861.8	-128.1	8,862.7	0.00	0.00	0.00	
20,120.0	90.00	179.47	10,645.0	-8,862.8	-128.1	8,863.7	0.00	0.00	0.00	
20,121.0	90.00	179.47	10,645.0	-8,863.8	-128.1	8,864.7	0.00	0.00	0.00	
20,122.0	90.00	179.47	10,645.0	-8,864.8	-128.1	8,865.7	0.00	0.00	0.00	
20,123.0	90.00	179.47	10,645.0	-8,865.8	-128.1	8,866.7	0.00	0.00	0.00	
20,124.0	90.00	179.47	10,645.0	-8,866.8	-128.1	8,867.7	0.00	0.00	0.00	
20,125.0	90.00	179.47	10,645.0	-8,867.8	-128.1	8,868.7	0.00	0.00	0.00	
20,126.0	90.00	179.47	10,645.0	-8,868.8	-128.1	8,869.7	0.00	0.00	0.00	
20,127.0	90.00	179.47	10,645.0	-8,869.8	-128.0	8,870.7	0.00	0.00	0.00	
20,128.0	90.00	179.47	10,645.0	-8,870.8	-128.0	8,871.7	0.00	0.00	0.00	
20,129.0	90.00	179.47	10,645.0	-8,871.8	-128.0	8,872.7	0.00	0.00	0.00	
20,130.0	90.00	179.47	10,645.0	-8,872.8	-128.0	8,873.7	0.00	0.00	0.00	
20,131.0	90.00	179.47	10,645.0	-8,873.8	-128.0	8,874.7	0.00	0.00	0.00	
20,132.0	90.00	179.47	10,645.0	-8,874.8	-128.0	8,875.7	0.00	0.00	0.00	
20,133.0	90.00	179.47	10,645.0	-8,875.8	-128.0	8,876.7	0.00	0.00	0.00	
20,134.0	90.00	179.47	10,645.0	-8,876.8	-128.0	8,877.7	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,135.0	90.00	179.47	10,645.0	-8,877.8	-128.0	8,878.7	0.00	0.00	0.00	
20,136.0	90.00	179.47	10,645.0	-8,878.8	-128.0	8,879.7	0.00	0.00	0.00	
20,137.0	90.00	179.47	10,645.0	-8,879.8	-128.0	8,880.7	0.00	0.00	0.00	
20,138.0	90.00	179.47	10,645.0	-8,880.8	-127.9	8,881.7	0.00	0.00	0.00	
20,139.0	90.00	179.47	10,645.0	-8,881.8	-127.9	8,882.7	0.00	0.00	0.00	
20,140.0	90.00	179.47	10,645.0	-8,882.8	-127.9	8,883.7	0.00	0.00	0.00	
20,141.0	90.00	179.47	10,645.0	-8,883.8	-127.9	8,884.7	0.00	0.00	0.00	
20,142.0	90.00	179.47	10,645.0	-8,884.8	-127.9	8,885.7	0.00	0.00	0.00	
20,143.0	90.00	179.47	10,645.0	-8,885.8	-127.9	8,886.7	0.00	0.00	0.00	
20,144.0	90.00	179.47	10,645.0	-8,886.8	-127.9	8,887.7	0.00	0.00	0.00	
20,145.0	90.00	179.47	10,645.0	-8,887.8	-127.9	8,888.7	0.00	0.00	0.00	
20,146.0	90.00	179.47	10,645.0	-8,888.8	-127.9	8,889.7	0.00	0.00	0.00	
20,147.0	90.00	179.47	10,645.0	-8,889.8	-127.9	8,890.7	0.00	0.00	0.00	
20,148.0	90.00	179.47	10,645.0	-8,890.8	-127.9	8,891.7	0.00	0.00	0.00	
20,149.0	90.00	179.47	10,645.0	-8,891.8	-127.8	8,892.7	0.00	0.00	0.00	
20,150.0	90.00	179.47	10,645.0	-8,892.8	-127.8	8,893.7	0.00	0.00	0.00	
20,151.0	90.00	179.47	10,645.0	-8,893.8	-127.8	8,894.7	0.00	0.00	0.00	
20,152.0	90.00	179.47	10,645.0	-8,894.8	-127.8	8,895.7	0.00	0.00	0.00	
20,153.0	90.00	179.47	10,645.0	-8,895.8	-127.8	8,896.7	0.00	0.00	0.00	
20,154.0	90.00	179.47	10,645.0	-8,896.8	-127.8	8,897.7	0.00	0.00	0.00	
20,155.0	90.00	179.47	10,645.0	-8,897.8	-127.8	8,898.7	0.00	0.00	0.00	
20,156.0	90.00	179.47	10,645.0	-8,898.8	-127.8	8,899.7	0.00	0.00	0.00	
20,157.0	90.00	179.47	10,645.0	-8,899.8	-127.8	8,900.7	0.00	0.00	0.00	
20,158.0	90.00	179.47	10,645.0	-8,900.8	-127.8	8,901.7	0.00	0.00	0.00	
20,159.0	90.00	179.47	10,645.0	-8,901.8	-127.7	8,902.7	0.00	0.00	0.00	
20,160.0	90.00	179.47	10,645.0	-8,902.8	-127.7	8,903.7	0.00	0.00	0.00	
20,161.0	90.00	179.47	10,645.0	-8,903.8	-127.7	8,904.7	0.00	0.00	0.00	
20,162.0	90.00	179.47	10,645.0	-8,904.8	-127.7	8,905.7	0.00	0.00	0.00	
20,163.0	90.00	179.47	10,645.0	-8,905.8	-127.7	8,906.7	0.00	0.00	0.00	
20,164.0	90.00	179.47	10,645.0	-8,906.8	-127.7	8,907.7	0.00	0.00	0.00	
20,165.0	90.00	179.47	10,645.0	-8,907.8	-127.7	8,908.7	0.00	0.00	0.00	
20,166.0	90.00	179.47	10,645.0	-8,908.8	-127.7	8,909.7	0.00	0.00	0.00	
20,167.0	90.00	179.47	10,645.0	-8,909.8	-127.7	8,910.7	0.00	0.00	0.00	
20,168.0	90.00	179.47	10,645.0	-8,910.8	-127.7	8,911.7	0.00	0.00	0.00	
20,169.0	90.00	179.47	10,645.0	-8,911.8	-127.7	8,912.7	0.00	0.00	0.00	
20,170.0	90.00	179.47	10,645.0	-8,912.8	-127.6	8,913.7	0.00	0.00	0.00	
20,171.0	90.00	179.47	10,645.0	-8,913.8	-127.6	8,914.7	0.00	0.00	0.00	
20,172.0	90.00	179.47	10,645.0	-8,914.8	-127.6	8,915.7	0.00	0.00	0.00	
20,173.0	90.00	179.47	10,645.0	-8,915.8	-127.6	8,916.7	0.00	0.00	0.00	
20,174.0	90.00	179.47	10,645.0	-8,916.8	-127.6	8,917.7	0.00	0.00	0.00	
20,175.0	90.00	179.47	10,645.0	-8,917.8	-127.6	8,918.7	0.00	0.00	0.00	
20,176.0	90.00	179.47	10,645.0	-8,918.8	-127.6	8,919.7	0.00	0.00	0.00	
20,177.0	90.00	179.47	10,645.0	-8,919.8	-127.6	8,920.7	0.00	0.00	0.00	
20,178.0	90.00	179.47	10,645.0	-8,920.8	-127.6	8,921.7	0.00	0.00	0.00	
20,179.0	90.00	179.47	10,645.0	-8,921.8	-127.6	8,922.7	0.00	0.00	0.00	
20,180.0	90.00	179.47	10,645.0	-8,922.8	-127.6	8,923.7	0.00	0.00	0.00	
20,181.0	90.00	179.47	10,645.0	-8,923.8	-127.5	8,924.7	0.00	0.00	0.00	
20,182.0	90.00	179.47	10,645.0	-8,924.8	-127.5	8,925.7	0.00	0.00	0.00	
20,183.0	90.00	179.47	10,645.0	-8,925.8	-127.5	8,926.7	0.00	0.00	0.00	
20,184.0	90.00	179.47	10,645.0	-8,926.8	-127.5	8,927.7	0.00	0.00	0.00	
20,185.0	90.00	179.47	10,645.0	-8,927.8	-127.5	8,928.7	0.00	0.00	0.00	
20,186.0	90.00	179.47	10,645.0	-8,928.8	-127.5	8,929.7	0.00	0.00	0.00	
20,187.0	90.00	179.47	10,645.0	-8,929.8	-127.5	8,930.7	0.00	0.00	0.00	
20,188.0	90.00	179.47	10,645.0	-8,930.8	-127.5	8,931.7	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,189.0	90.00	179.47	10,645.0	-8,931.8	-127.5	8,932.7	0.00	0.00	0.00
20,190.0	90.00	179.47	10,645.0	-8,932.8	-127.5	8,933.7	0.00	0.00	0.00
20,191.0	90.00	179.47	10,645.0	-8,933.8	-127.5	8,934.7	0.00	0.00	0.00
20,192.0	90.00	179.47	10,645.0	-8,934.8	-127.4	8,935.7	0.00	0.00	0.00
20,193.0	90.00	179.47	10,645.0	-8,935.8	-127.4	8,936.7	0.00	0.00	0.00
20,194.0	90.00	179.47	10,645.0	-8,936.8	-127.4	8,937.7	0.00	0.00	0.00
20,195.0	90.00	179.47	10,645.0	-8,937.8	-127.4	8,938.7	0.00	0.00	0.00
20,196.0	90.00	179.47	10,645.0	-8,938.8	-127.4	8,939.7	0.00	0.00	0.00
20,197.0	90.00	179.47	10,645.0	-8,939.8	-127.4	8,940.7	0.00	0.00	0.00
20,198.0	90.00	179.47	10,645.0	-8,940.8	-127.4	8,941.7	0.00	0.00	0.00
20,199.0	90.00	179.47	10,645.0	-8,941.8	-127.4	8,942.7	0.00	0.00	0.00
20,200.0	90.00	179.47	10,645.0	-8,942.8	-127.4	8,943.7	0.05	0.00	0.05
20,201.0	90.00	179.47	10,645.0	-8,943.8	-127.4	8,944.7	0.00	0.00	0.00
20,202.0	90.00	179.47	10,645.0	-8,944.8	-127.3	8,945.7	0.00	0.00	0.00
20,203.0	90.00	179.47	10,645.0	-8,945.8	-127.3	8,946.7	0.00	0.00	0.00
20,204.0	90.00	179.47	10,645.0	-8,946.8	-127.3	8,947.7	0.00	0.00	0.00
20,205.0	90.00	179.47	10,645.0	-8,947.8	-127.3	8,948.7	0.00	0.00	0.00
20,206.0	90.00	179.47	10,645.0	-8,948.8	-127.3	8,949.7	0.00	0.00	0.00
20,207.0	90.00	179.47	10,645.0	-8,949.8	-127.3	8,950.7	0.00	0.00	0.00
20,208.0	90.00	179.47	10,645.0	-8,950.8	-127.3	8,951.7	0.00	0.00	0.00
20,209.0	90.00	179.47	10,645.0	-8,951.8	-127.3	8,952.7	0.00	0.00	0.00
20,210.0	90.00	179.47	10,645.0	-8,952.8	-127.3	8,953.7	0.00	0.00	0.00
20,211.0	90.00	179.47	10,645.0	-8,953.8	-127.3	8,954.7	0.00	0.00	0.00
20,212.0	90.00	179.47	10,645.0	-8,954.8	-127.3	8,955.7	0.00	0.00	0.00
20,213.0	90.00	179.47	10,645.0	-8,955.8	-127.2	8,956.7	0.00	0.00	0.00
20,214.0	90.00	179.47	10,645.0	-8,956.8	-127.2	8,957.7	0.00	0.00	0.00
20,215.0	90.00	179.47	10,645.0	-8,957.8	-127.2	8,958.7	0.00	0.00	0.00
20,216.0	90.00	179.47	10,645.0	-8,958.8	-127.2	8,959.7	0.00	0.00	0.00
20,217.0	90.00	179.47	10,645.0	-8,959.8	-127.2	8,960.7	0.00	0.00	0.00
20,218.0	90.00	179.47	10,645.0	-8,960.8	-127.2	8,961.7	0.00	0.00	0.00
20,219.0	90.00	179.47	10,645.0	-8,961.8	-127.2	8,962.7	0.00	0.00	0.00
20,220.0	90.00	179.47	10,645.0	-8,962.8	-127.2	8,963.7	0.00	0.00	0.00
20,221.0	90.00	179.47	10,645.0	-8,963.8	-127.2	8,964.7	0.00	0.00	0.00
20,222.0	90.00	179.47	10,645.0	-8,964.8	-127.2	8,965.7	0.00	0.00	0.00
20,223.0	90.00	179.47	10,645.0	-8,965.8	-127.2	8,966.7	0.00	0.00	0.00
20,224.0	90.00	179.47	10,645.0	-8,966.8	-127.1	8,967.7	0.00	0.00	0.00
20,225.0	90.00	179.47	10,645.0	-8,967.8	-127.1	8,968.7	0.00	0.00	0.00
20,226.0	90.00	179.47	10,645.0	-8,968.8	-127.1	8,969.7	0.00	0.00	0.00
20,227.0	90.00	179.47	10,645.0	-8,969.8	-127.1	8,970.7	0.00	0.00	0.00
20,228.0	90.00	179.47	10,645.0	-8,970.8	-127.1	8,971.7	0.00	0.00	0.00
20,229.0	90.00	179.47	10,645.0	-8,971.8	-127.1	8,972.7	0.00	0.00	0.00
20,230.0	90.00	179.47	10,645.0	-8,972.8	-127.1	8,973.7	0.00	0.00	0.00
20,231.0	90.00	179.47	10,645.0	-8,973.8	-127.1	8,974.7	0.00	0.00	0.00
20,232.0	90.00	179.47	10,645.0	-8,974.8	-127.1	8,975.7	0.00	0.00	0.00
20,233.0	90.00	179.47	10,645.0	-8,975.8	-127.1	8,976.7	0.00	0.00	0.00
20,234.0	90.00	179.47	10,645.0	-8,976.8	-127.1	8,977.7	0.00	0.00	0.00
20,235.0	90.00	179.47	10,645.0	-8,977.8	-127.0	8,978.7	0.00	0.00	0.00
20,236.0	90.00	179.47	10,645.0	-8,978.8	-127.0	8,979.7	0.00	0.00	0.00
20,237.0	90.00	179.47	10,645.0	-8,979.8	-127.0	8,980.7	0.00	0.00	0.00
20,238.0	90.00	179.47	10,645.0	-8,980.8	-127.0	8,981.7	0.00	0.00	0.00
20,239.0	90.00	179.47	10,645.0	-8,981.8	-127.0	8,982.7	0.00	0.00	0.00
20,240.0	90.00	179.47	10,645.0	-8,982.8	-127.0	8,983.7	0.00	0.00	0.00
20,241.0	90.00	179.47	10,645.0	-8,983.8	-127.0	8,984.7	0.00	0.00	0.00
20,242.0	90.00	179.47	10,645.0	-8,984.8	-127.0	8,985.7	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,243.0	90.00	179.47	10,645.0	-8,985.8	-127.0	8,986.7	0.00	0.00	0.00	
20,244.0	90.00	179.47	10,645.0	-8,986.8	-127.0	8,987.7	0.00	0.00	0.00	
20,245.0	90.00	179.47	10,645.0	-8,987.8	-126.9	8,988.7	0.00	0.00	0.00	
20,246.0	90.00	179.47	10,645.0	-8,988.8	-126.9	8,989.7	0.00	0.00	0.00	
20,247.0	90.00	179.47	10,645.0	-8,989.8	-126.9	8,990.7	0.00	0.00	0.00	
20,248.0	90.00	179.47	10,645.0	-8,990.8	-126.9	8,991.7	0.00	0.00	0.00	
20,249.0	90.00	179.47	10,645.0	-8,991.8	-126.9	8,992.7	0.00	0.00	0.00	
20,250.0	90.00	179.47	10,645.0	-8,992.8	-126.9	8,993.7	0.00	0.00	0.00	
20,251.0	90.00	179.47	10,645.0	-8,993.8	-126.9	8,994.7	0.00	0.00	0.00	
20,252.0	90.00	179.47	10,645.0	-8,994.8	-126.9	8,995.7	0.00	0.00	0.00	
20,253.0	90.00	179.47	10,645.0	-8,995.8	-126.9	8,996.7	0.00	0.00	0.00	
20,254.0	90.00	179.47	10,645.0	-8,996.8	-126.9	8,997.7	0.00	0.00	0.00	
20,255.0	90.00	179.47	10,645.0	-8,997.8	-126.9	8,998.7	0.00	0.00	0.00	
20,256.0	90.00	179.47	10,645.0	-8,998.8	-126.8	8,999.7	0.00	0.00	0.00	
20,257.0	90.00	179.47	10,645.0	-8,999.8	-126.8	9,000.7	0.00	0.00	0.00	
20,258.0	90.00	179.47	10,645.0	-9,000.8	-126.8	9,001.7	0.00	0.00	0.00	
20,259.0	90.00	179.47	10,645.0	-9,001.8	-126.8	9,002.7	0.00	0.00	0.00	
20,260.0	90.00	179.47	10,645.0	-9,002.8	-126.8	9,003.7	0.00	0.00	0.00	
20,261.0	90.00	179.47	10,645.0	-9,003.8	-126.8	9,004.7	0.00	0.00	0.00	
20,262.0	90.00	179.47	10,645.0	-9,004.8	-126.8	9,005.7	0.00	0.00	0.00	
20,263.0	90.00	179.47	10,645.0	-9,005.8	-126.8	9,006.7	0.00	0.00	0.00	
20,264.0	90.00	179.47	10,645.0	-9,006.8	-126.8	9,007.7	0.00	0.00	0.00	
20,265.0	90.00	179.47	10,645.0	-9,007.8	-126.8	9,008.7	0.00	0.00	0.00	
20,266.0	90.00	179.47	10,645.0	-9,008.8	-126.8	9,009.7	0.00	0.00	0.00	
20,267.0	90.00	179.47	10,645.0	-9,009.8	-126.7	9,010.7	0.00	0.00	0.00	
20,268.0	90.00	179.47	10,645.0	-9,010.8	-126.7	9,011.7	0.00	0.00	0.00	
20,269.0	90.00	179.47	10,645.0	-9,011.8	-126.7	9,012.7	0.00	0.00	0.00	
20,270.0	90.00	179.47	10,645.0	-9,012.8	-126.7	9,013.7	0.00	0.00	0.00	
20,271.0	90.00	179.47	10,645.0	-9,013.8	-126.7	9,014.7	0.00	0.00	0.00	
20,272.0	90.00	179.47	10,645.0	-9,014.8	-126.7	9,015.7	0.00	0.00	0.00	
20,273.0	90.00	179.47	10,645.0	-9,015.8	-126.7	9,016.7	0.00	0.00	0.00	
20,274.0	90.00	179.47	10,645.0	-9,016.8	-126.7	9,017.7	0.00	0.00	0.00	
20,275.0	90.00	179.47	10,645.0	-9,017.8	-126.7	9,018.7	0.00	0.00	0.00	
20,276.0	90.00	179.47	10,645.0	-9,018.8	-126.7	9,019.7	0.00	0.00	0.00	
20,277.0	90.00	179.47	10,645.0	-9,019.8	-126.7	9,020.7	0.00	0.00	0.00	
20,278.0	90.00	179.47	10,645.0	-9,020.8	-126.6	9,021.7	0.00	0.00	0.00	
20,279.0	90.00	179.47	10,645.0	-9,021.8	-126.6	9,022.7	0.00	0.00	0.00	
20,280.0	90.00	179.47	10,645.0	-9,022.8	-126.6	9,023.7	0.00	0.00	0.00	
20,281.0	90.00	179.47	10,645.0	-9,023.8	-126.6	9,024.7	0.00	0.00	0.00	
20,282.0	90.00	179.47	10,645.0	-9,024.8	-126.6	9,025.7	0.00	0.00	0.00	
20,283.0	90.00	179.47	10,645.0	-9,025.8	-126.6	9,026.7	0.00	0.00	0.00	
20,284.0	90.00	179.47	10,645.0	-9,026.8	-126.6	9,027.7	0.00	0.00	0.00	
20,285.0	90.00	179.47	10,645.0	-9,027.8	-126.6	9,028.7	0.00	0.00	0.00	
20,286.0	90.00	179.47	10,645.0	-9,028.8	-126.6	9,029.7	0.00	0.00	0.00	
20,287.0	90.00	179.47	10,645.0	-9,029.8	-126.6	9,030.7	0.00	0.00	0.00	
20,288.0	90.00	179.47	10,645.0	-9,030.8	-126.5	9,031.7	0.00	0.00	0.00	
20,289.0	90.00	179.47	10,645.0	-9,031.8	-126.5	9,032.7	0.00	0.00	0.00	
20,290.0	90.00	179.47	10,645.0	-9,032.8	-126.5	9,033.7	0.00	0.00	0.00	
20,291.0	90.00	179.47	10,645.0	-9,033.8	-126.5	9,034.7	0.00	0.00	0.00	
20,292.0	90.00	179.47	10,645.0	-9,034.8	-126.5	9,035.7	0.00	0.00	0.00	
20,293.0	90.00	179.47	10,645.0	-9,035.8	-126.5	9,036.7	0.00	0.00	0.00	
20,294.0	90.00	179.47	10,645.0	-9,036.8	-126.5	9,037.7	0.00	0.00	0.00	
20,295.0	90.00	179.47	10,645.0	-9,037.8	-126.5	9,038.7	0.00	0.00	0.00	
20,296.0	90.00	179.47	10,645.0	-9,038.8	-126.5	9,039.7	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,297.0	90.00	179.47	10,645.0	-9,039.8	-126.5	9,040.7	0.00	0.00	0.00	
20,298.0	90.00	179.47	10,645.0	-9,040.8	-126.5	9,041.7	0.00	0.00	0.00	
20,299.0	90.00	179.47	10,645.0	-9,041.8	-126.4	9,042.7	0.00	0.00	0.00	
20,300.0	90.00	179.47	10,645.0	-9,042.8	-126.4	9,043.7	0.05	0.00	0.05	
20,301.0	90.00	179.47	10,645.0	-9,043.8	-126.4	9,044.7	0.00	0.00	0.00	
20,302.0	90.00	179.47	10,645.0	-9,044.8	-126.4	9,045.7	0.00	0.00	0.00	
20,303.0	90.00	179.47	10,645.0	-9,045.8	-126.4	9,046.7	0.00	0.00	0.00	
20,304.0	90.00	179.47	10,645.0	-9,046.8	-126.4	9,047.7	0.00	0.00	0.00	
20,305.0	90.00	179.47	10,645.0	-9,047.8	-126.4	9,048.7	0.00	0.00	0.00	
20,306.0	90.00	179.47	10,645.0	-9,048.8	-126.4	9,049.7	0.00	0.00	0.00	
20,307.0	90.00	179.47	10,645.0	-9,049.8	-126.4	9,050.7	0.00	0.00	0.00	
20,308.0	90.00	179.47	10,645.0	-9,050.8	-126.4	9,051.7	0.00	0.00	0.00	
20,309.0	90.00	179.47	10,645.0	-9,051.8	-126.4	9,052.7	0.00	0.00	0.00	
20,310.0	90.00	179.47	10,645.0	-9,052.8	-126.3	9,053.7	0.00	0.00	0.00	
20,311.0	90.00	179.47	10,645.0	-9,053.8	-126.3	9,054.7	0.00	0.00	0.00	
20,312.0	90.00	179.47	10,645.0	-9,054.8	-126.3	9,055.7	0.00	0.00	0.00	
20,313.0	90.00	179.47	10,645.0	-9,055.8	-126.3	9,056.7	0.00	0.00	0.00	
20,314.0	90.00	179.47	10,645.0	-9,056.8	-126.3	9,057.7	0.00	0.00	0.00	
20,315.0	90.00	179.47	10,645.0	-9,057.8	-126.3	9,058.7	0.00	0.00	0.00	
20,316.0	90.00	179.47	10,645.0	-9,058.8	-126.3	9,059.7	0.00	0.00	0.00	
20,317.0	90.00	179.47	10,645.0	-9,059.8	-126.3	9,060.7	0.00	0.00	0.00	
20,318.0	90.00	179.47	10,645.0	-9,060.8	-126.3	9,061.7	0.00	0.00	0.00	
20,319.0	90.00	179.47	10,645.0	-9,061.8	-126.3	9,062.7	0.00	0.00	0.00	
20,320.0	90.00	179.47	10,645.0	-9,062.8	-126.3	9,063.7	0.00	0.00	0.00	
20,321.0	90.00	179.47	10,645.0	-9,063.8	-126.2	9,064.7	0.00	0.00	0.00	
20,322.0	90.00	179.47	10,645.0	-9,064.8	-126.2	9,065.7	0.00	0.00	0.00	
20,323.0	90.00	179.47	10,645.0	-9,065.8	-126.2	9,066.7	0.00	0.00	0.00	
20,324.0	90.00	179.47	10,645.0	-9,066.8	-126.2	9,067.7	0.00	0.00	0.00	
20,325.0	90.00	179.47	10,645.0	-9,067.8	-126.2	9,068.7	0.00	0.00	0.00	
20,326.0	90.00	179.47	10,645.0	-9,068.8	-126.2	9,069.7	0.00	0.00	0.00	
20,327.0	90.00	179.47	10,645.0	-9,069.8	-126.2	9,070.7	0.00	0.00	0.00	
20,328.0	90.00	179.47	10,645.0	-9,070.8	-126.2	9,071.7	0.00	0.00	0.00	
20,329.0	90.00	179.47	10,645.0	-9,071.8	-126.2	9,072.7	0.00	0.00	0.00	
20,330.0	90.00	179.47	10,645.0	-9,072.8	-126.2	9,073.7	0.00	0.00	0.00	
20,331.0	90.00	179.47	10,645.0	-9,073.8	-126.1	9,074.7	0.00	0.00	0.00	
20,332.0	90.00	179.47	10,645.0	-9,074.8	-126.1	9,075.7	0.00	0.00	0.00	
20,333.0	90.00	179.47	10,645.0	-9,075.8	-126.1	9,076.7	0.00	0.00	0.00	
20,334.0	90.00	179.47	10,645.0	-9,076.8	-126.1	9,077.7	0.00	0.00	0.00	
20,335.0	90.00	179.47	10,645.0	-9,077.8	-126.1	9,078.7	0.00	0.00	0.00	
20,336.0	90.00	179.47	10,645.0	-9,078.8	-126.1	9,079.7	0.00	0.00	0.00	
20,337.0	90.00	179.47	10,645.0	-9,079.8	-126.1	9,080.7	0.00	0.00	0.00	
20,338.0	90.00	179.47	10,645.0	-9,080.8	-126.1	9,081.7	0.00	0.00	0.00	
20,339.0	90.00	179.47	10,645.0	-9,081.8	-126.1	9,082.7	0.00	0.00	0.00	
20,340.0	90.00	179.47	10,645.0	-9,082.8	-126.1	9,083.7	0.00	0.00	0.00	
20,341.0	90.00	179.47	10,645.0	-9,083.8	-126.1	9,084.7	0.00	0.00	0.00	
20,342.0	90.00	179.47	10,645.0	-9,084.8	-126.0	9,085.7	0.00	0.00	0.00	
20,343.0	90.00	179.47	10,645.0	-9,085.8	-126.0	9,086.7	0.00	0.00	0.00	
20,344.0	90.00	179.47	10,645.0	-9,086.8	-126.0	9,087.7	0.00	0.00	0.00	
20,345.0	90.00	179.47	10,645.0	-9,087.8	-126.0	9,088.7	0.00	0.00	0.00	
20,346.0	90.00	179.47	10,645.0	-9,088.8	-126.0	9,089.7	0.00	0.00	0.00	
20,347.0	90.00	179.47	10,645.0	-9,089.8	-126.0	9,090.7	0.00	0.00	0.00	
20,348.0	90.00	179.47	10,645.0	-9,090.8	-126.0	9,091.7	0.00	0.00	0.00	
20,349.0	90.00	179.47	10,645.0	-9,091.8	-126.0	9,092.7	0.00	0.00	0.00	
20,350.0	90.00	179.47	10,645.0	-9,092.8	-126.0	9,093.7	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,351.0	90.00	179.47	10,645.0	-9,093.8	-126.0	9,094.7	0.00	0.00	0.00	
20,352.0	90.00	179.47	10,645.0	-9,094.8	-126.0	9,095.7	0.00	0.00	0.00	
20,353.0	90.00	179.47	10,645.0	-9,095.8	-125.9	9,096.7	0.00	0.00	0.00	
20,354.0	90.00	179.47	10,645.0	-9,096.8	-125.9	9,097.7	0.00	0.00	0.00	
20,355.0	90.00	179.47	10,645.0	-9,097.8	-125.9	9,098.7	0.00	0.00	0.00	
20,356.0	90.00	179.47	10,645.0	-9,098.8	-125.9	9,099.7	0.00	0.00	0.00	
20,357.0	90.00	179.47	10,645.0	-9,099.8	-125.9	9,100.7	0.00	0.00	0.00	
20,358.0	90.00	179.47	10,645.0	-9,100.8	-125.9	9,101.7	0.00	0.00	0.00	
20,359.0	90.00	179.47	10,645.0	-9,101.8	-125.9	9,102.7	0.00	0.00	0.00	
20,360.0	90.00	179.47	10,645.0	-9,102.8	-125.9	9,103.7	0.00	0.00	0.00	
20,361.0	90.00	179.47	10,645.0	-9,103.8	-125.9	9,104.7	0.00	0.00	0.00	
20,362.0	90.00	179.47	10,645.0	-9,104.8	-125.9	9,105.7	0.00	0.00	0.00	
20,363.0	90.00	179.47	10,645.0	-9,105.8	-125.9	9,106.7	0.00	0.00	0.00	
20,364.0	90.00	179.47	10,645.0	-9,106.8	-125.8	9,107.7	0.00	0.00	0.00	
20,365.0	90.00	179.47	10,645.0	-9,107.8	-125.8	9,108.7	0.00	0.00	0.00	
20,366.0	90.00	179.47	10,645.0	-9,108.8	-125.8	9,109.7	0.00	0.00	0.00	
20,367.0	90.00	179.47	10,645.0	-9,109.8	-125.8	9,110.7	0.00	0.00	0.00	
20,368.0	90.00	179.47	10,645.0	-9,110.8	-125.8	9,111.7	0.00	0.00	0.00	
20,369.0	90.00	179.47	10,645.0	-9,111.8	-125.8	9,112.7	0.00	0.00	0.00	
20,370.0	90.00	179.47	10,645.0	-9,112.8	-125.8	9,113.7	0.00	0.00	0.00	
20,371.0	90.00	179.47	10,645.0	-9,113.8	-125.8	9,114.7	0.00	0.00	0.00	
20,372.0	90.00	179.47	10,645.0	-9,114.8	-125.8	9,115.7	0.00	0.00	0.00	
20,373.0	90.00	179.47	10,645.0	-9,115.8	-125.8	9,116.7	0.00	0.00	0.00	
20,374.0	90.00	179.47	10,645.0	-9,116.8	-125.7	9,117.7	0.00	0.00	0.00	
20,375.0	90.00	179.47	10,645.0	-9,117.8	-125.7	9,118.7	0.00	0.00	0.00	
20,376.0	90.00	179.47	10,645.0	-9,118.8	-125.7	9,119.7	0.00	0.00	0.00	
20,377.0	90.00	179.47	10,645.0	-9,119.8	-125.7	9,120.7	0.00	0.00	0.00	
20,378.0	90.00	179.47	10,645.0	-9,120.8	-125.7	9,121.7	0.00	0.00	0.00	
20,379.0	90.00	179.47	10,645.0	-9,121.8	-125.7	9,122.7	0.00	0.00	0.00	
20,380.0	90.00	179.47	10,645.0	-9,122.8	-125.7	9,123.7	0.00	0.00	0.00	
20,381.0	90.00	179.47	10,645.0	-9,123.8	-125.7	9,124.7	0.00	0.00	0.00	
20,382.0	90.00	179.47	10,645.0	-9,124.8	-125.7	9,125.7	0.00	0.00	0.00	
20,383.0	90.00	179.47	10,645.0	-9,125.8	-125.7	9,126.7	0.00	0.00	0.00	
20,384.0	90.00	179.47	10,645.0	-9,126.8	-125.7	9,127.7	0.00	0.00	0.00	
20,385.0	90.00	179.47	10,645.0	-9,127.8	-125.6	9,128.7	0.00	0.00	0.00	
20,386.0	90.00	179.47	10,645.0	-9,128.8	-125.6	9,129.7	0.00	0.00	0.00	
20,387.0	90.00	179.47	10,645.0	-9,129.8	-125.6	9,130.7	0.00	0.00	0.00	
20,388.0	90.00	179.47	10,645.0	-9,130.8	-125.6	9,131.7	0.00	0.00	0.00	
20,389.0	90.00	179.47	10,645.0	-9,131.8	-125.6	9,132.7	0.00	0.00	0.00	
20,390.0	90.00	179.47	10,645.0	-9,132.8	-125.6	9,133.7	0.00	0.00	0.00	
20,391.0	90.00	179.47	10,645.0	-9,133.8	-125.6	9,134.7	0.00	0.00	0.00	
20,392.0	90.00	179.47	10,645.0	-9,134.8	-125.6	9,135.7	0.00	0.00	0.00	
20,393.0	90.00	179.47	10,645.0	-9,135.8	-125.6	9,136.7	0.00	0.00	0.00	
20,394.0	90.00	179.47	10,645.0	-9,136.8	-125.6	9,137.7	0.00	0.00	0.00	
20,395.0	90.00	179.47	10,645.0	-9,137.8	-125.6	9,138.7	0.00	0.00	0.00	
20,396.0	90.00	179.47	10,645.0	-9,138.8	-125.5	9,139.7	0.00	0.00	0.00	
20,397.0	90.00	179.47	10,645.0	-9,139.8	-125.5	9,140.7	0.00	0.00	0.00	
20,398.0	90.00	179.47	10,645.0	-9,140.8	-125.5	9,141.7	0.00	0.00	0.00	
20,399.0	90.00	179.47	10,645.0	-9,141.8	-125.5	9,142.7	0.00	0.00	0.00	
20,400.0	90.00	179.47	10,645.0	-9,142.8	-125.5	9,143.7	0.05	0.00	0.05	
20,401.0	90.00	179.47	10,645.0	-9,143.8	-125.5	9,144.7	0.00	0.00	0.00	
20,402.0	90.00	179.47	10,645.0	-9,144.8	-125.5	9,145.7	0.00	0.00	0.00	
20,403.0	90.00	179.47	10,645.0	-9,145.8	-125.5	9,146.7	0.00	0.00	0.00	
20,404.0	90.00	179.47	10,645.0	-9,146.8	-125.5	9,147.7	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,405.0	90.00	179.47	10,645.0	-9,147.8	-125.5	9,148.7	0.00	0.00	0.00
20,406.0	90.00	179.47	10,645.0	-9,148.8	-125.5	9,149.7	0.00	0.00	0.00
20,407.0	90.00	179.47	10,645.0	-9,149.8	-125.4	9,150.7	0.00	0.00	0.00
20,408.0	90.00	179.47	10,645.0	-9,150.8	-125.4	9,151.7	0.00	0.00	0.00
20,409.0	90.00	179.47	10,645.0	-9,151.8	-125.4	9,152.7	0.00	0.00	0.00
20,410.0	90.00	179.47	10,645.0	-9,152.8	-125.4	9,153.7	0.00	0.00	0.00
20,411.0	90.00	179.47	10,645.0	-9,153.8	-125.4	9,154.7	0.00	0.00	0.00
20,412.0	90.00	179.47	10,645.0	-9,154.8	-125.4	9,155.7	0.00	0.00	0.00
20,413.0	90.00	179.47	10,645.0	-9,155.8	-125.4	9,156.7	0.00	0.00	0.00
20,414.0	90.00	179.47	10,645.0	-9,156.8	-125.4	9,157.7	0.00	0.00	0.00
20,415.0	90.00	179.47	10,645.0	-9,157.8	-125.4	9,158.7	0.00	0.00	0.00
20,416.0	90.00	179.47	10,645.0	-9,158.8	-125.4	9,159.7	0.00	0.00	0.00
20,417.0	90.00	179.47	10,645.0	-9,159.8	-125.3	9,160.7	0.00	0.00	0.00
20,418.0	90.00	179.47	10,645.0	-9,160.8	-125.3	9,161.7	0.00	0.00	0.00
20,419.0	90.00	179.47	10,645.0	-9,161.8	-125.3	9,162.7	0.00	0.00	0.00
20,420.0	90.00	179.47	10,645.0	-9,162.8	-125.3	9,163.7	0.00	0.00	0.00
20,421.0	90.00	179.47	10,645.0	-9,163.8	-125.3	9,164.7	0.00	0.00	0.00
20,422.0	90.00	179.47	10,645.0	-9,164.8	-125.3	9,165.7	0.00	0.00	0.00
20,423.0	90.00	179.47	10,645.0	-9,165.8	-125.3	9,166.7	0.00	0.00	0.00
20,424.0	90.00	179.47	10,645.0	-9,166.8	-125.3	9,167.7	0.00	0.00	0.00
20,425.0	90.00	179.47	10,645.0	-9,167.8	-125.3	9,168.6	0.00	0.00	0.00
20,426.0	90.00	179.47	10,645.0	-9,168.8	-125.3	9,169.6	0.00	0.00	0.00
20,427.0	90.00	179.47	10,645.0	-9,169.8	-125.3	9,170.6	0.00	0.00	0.00
20,428.0	90.00	179.47	10,645.0	-9,170.8	-125.2	9,171.6	0.00	0.00	0.00
20,429.0	90.00	179.47	10,645.0	-9,171.8	-125.2	9,172.6	0.00	0.00	0.00
20,430.0	90.00	179.47	10,645.0	-9,172.8	-125.2	9,173.6	0.00	0.00	0.00
20,431.0	90.00	179.47	10,645.0	-9,173.8	-125.2	9,174.6	0.00	0.00	0.00
20,432.0	90.00	179.47	10,645.0	-9,174.8	-125.2	9,175.6	0.00	0.00	0.00
20,433.0	90.00	179.47	10,645.0	-9,175.8	-125.2	9,176.6	0.00	0.00	0.00
20,434.0	90.00	179.47	10,645.0	-9,176.8	-125.2	9,177.6	0.00	0.00	0.00
20,435.0	90.00	179.47	10,645.0	-9,177.8	-125.2	9,178.6	0.00	0.00	0.00
20,436.0	90.00	179.47	10,645.0	-9,178.8	-125.2	9,179.6	0.00	0.00	0.00
20,437.0	90.00	179.47	10,645.0	-9,179.8	-125.2	9,180.6	0.00	0.00	0.00
20,438.0	90.00	179.47	10,645.0	-9,180.8	-125.2	9,181.6	0.00	0.00	0.00
20,439.0	90.00	179.47	10,645.0	-9,181.8	-125.1	9,182.6	0.00	0.00	0.00
20,440.0	90.00	179.47	10,645.0	-9,182.8	-125.1	9,183.6	0.00	0.00	0.00
20,441.0	90.00	179.47	10,645.0	-9,183.8	-125.1	9,184.6	0.00	0.00	0.00
20,442.0	90.00	179.47	10,645.0	-9,184.8	-125.1	9,185.6	0.00	0.00	0.00
20,443.0	90.00	179.47	10,645.0	-9,185.8	-125.1	9,186.6	0.00	0.00	0.00
20,444.0	90.00	179.47	10,645.0	-9,186.8	-125.1	9,187.6	0.00	0.00	0.00
20,445.0	90.00	179.47	10,645.0	-9,187.8	-125.1	9,188.6	0.00	0.00	0.00
20,446.0	90.00	179.47	10,645.0	-9,188.8	-125.1	9,189.6	0.00	0.00	0.00
20,447.0	90.00	179.47	10,645.0	-9,189.8	-125.1	9,190.6	0.00	0.00	0.00
20,448.0	90.00	179.47	10,645.0	-9,190.8	-125.1	9,191.6	0.00	0.00	0.00
20,449.0	90.00	179.47	10,645.0	-9,191.8	-125.1	9,192.6	0.00	0.00	0.00
20,450.0	90.00	179.47	10,645.0	-9,192.8	-125.0	9,193.6	0.00	0.00	0.00
20,451.0	90.00	179.47	10,645.0	-9,193.8	-125.0	9,194.6	0.00	0.00	0.00
20,452.0	90.00	179.47	10,645.0	-9,194.8	-125.0	9,195.6	0.00	0.00	0.00
20,453.0	90.00	179.47	10,645.0	-9,195.8	-125.0	9,196.6	0.00	0.00	0.00
20,454.0	90.00	179.47	10,645.0	-9,196.8	-125.0	9,197.6	0.00	0.00	0.00
20,455.0	90.00	179.47	10,645.0	-9,197.8	-125.0	9,198.6	0.00	0.00	0.00
20,456.0	90.00	179.47	10,645.0	-9,198.8	-125.0	9,199.6	0.00	0.00	0.00
20,457.0	90.00	179.47	10,645.0	-9,199.8	-125.0	9,200.6	0.00	0.00	0.00
20,458.0	90.00	179.47	10,645.0	-9,200.8	-125.0	9,201.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,459.0	90.00	179.47	10,645.0	-9,201.8	-125.0	9,202.6	0.00	0.00	0.00
20,460.0	90.00	179.47	10,645.0	-9,202.8	-124.9	9,203.6	0.00	0.00	0.00
20,461.0	90.00	179.47	10,645.0	-9,203.8	-124.9	9,204.6	0.00	0.00	0.00
20,462.0	90.00	179.47	10,645.0	-9,204.8	-124.9	9,205.6	0.00	0.00	0.00
20,463.0	90.00	179.47	10,645.0	-9,205.8	-124.9	9,206.6	0.00	0.00	0.00
20,464.0	90.00	179.47	10,645.0	-9,206.8	-124.9	9,207.6	0.00	0.00	0.00
20,465.0	90.00	179.47	10,645.0	-9,207.8	-124.9	9,208.6	0.00	0.00	0.00
20,466.0	90.00	179.47	10,645.0	-9,208.8	-124.9	9,209.6	0.00	0.00	0.00
20,467.0	90.00	179.47	10,645.0	-9,209.8	-124.9	9,210.6	0.00	0.00	0.00
20,468.0	90.00	179.47	10,645.0	-9,210.8	-124.9	9,211.6	0.00	0.00	0.00
20,469.0	90.00	179.47	10,645.0	-9,211.8	-124.9	9,212.6	0.00	0.00	0.00
20,470.0	90.00	179.47	10,645.0	-9,212.8	-124.9	9,213.6	0.00	0.00	0.00
20,471.0	90.00	179.47	10,645.0	-9,213.8	-124.8	9,214.6	0.00	0.00	0.00
20,472.0	90.00	179.47	10,645.0	-9,214.8	-124.8	9,215.6	0.00	0.00	0.00
20,473.0	90.00	179.47	10,645.0	-9,215.8	-124.8	9,216.6	0.00	0.00	0.00
20,474.0	90.00	179.47	10,645.0	-9,216.8	-124.8	9,217.6	0.00	0.00	0.00
20,475.0	90.00	179.47	10,645.0	-9,217.8	-124.8	9,218.6	0.00	0.00	0.00
20,476.0	90.00	179.47	10,645.0	-9,218.8	-124.8	9,219.6	0.00	0.00	0.00
20,477.0	90.00	179.47	10,645.0	-9,219.8	-124.8	9,220.6	0.00	0.00	0.00
20,478.0	90.00	179.47	10,645.0	-9,220.8	-124.8	9,221.6	0.00	0.00	0.00
20,479.0	90.00	179.47	10,645.0	-9,221.8	-124.8	9,222.6	0.00	0.00	0.00
20,480.0	90.00	179.47	10,645.0	-9,222.8	-124.8	9,223.6	0.00	0.00	0.00
20,481.0	90.00	179.47	10,645.0	-9,223.8	-124.8	9,224.6	0.00	0.00	0.00
20,482.0	90.00	179.47	10,645.0	-9,224.8	-124.7	9,225.6	0.00	0.00	0.00
20,483.0	90.00	179.47	10,645.0	-9,225.8	-124.7	9,226.6	0.00	0.00	0.00
20,484.0	90.00	179.47	10,645.0	-9,226.8	-124.7	9,227.6	0.00	0.00	0.00
20,485.0	90.00	179.47	10,645.0	-9,227.8	-124.7	9,228.6	0.00	0.00	0.00
20,486.0	90.00	179.47	10,645.0	-9,228.8	-124.7	9,229.6	0.00	0.00	0.00
20,487.0	90.00	179.47	10,645.0	-9,229.8	-124.7	9,230.6	0.00	0.00	0.00
20,488.0	90.00	179.47	10,645.0	-9,230.8	-124.7	9,231.6	0.00	0.00	0.00
20,489.0	90.00	179.47	10,645.0	-9,231.8	-124.7	9,232.6	0.00	0.00	0.00
20,490.0	90.00	179.47	10,645.0	-9,232.8	-124.7	9,233.6	0.00	0.00	0.00
20,491.0	90.00	179.47	10,645.0	-9,233.8	-124.7	9,234.6	0.00	0.00	0.00
20,492.0	90.00	179.47	10,645.0	-9,234.8	-124.7	9,235.6	0.00	0.00	0.00
20,493.0	90.00	179.47	10,645.0	-9,235.8	-124.6	9,236.6	0.00	0.00	0.00
20,494.0	90.00	179.47	10,645.0	-9,236.8	-124.6	9,237.6	0.00	0.00	0.00
20,495.0	90.00	179.47	10,645.0	-9,237.8	-124.6	9,238.6	0.00	0.00	0.00
20,496.0	90.00	179.47	10,645.0	-9,238.8	-124.6	9,239.6	0.00	0.00	0.00
20,497.0	90.00	179.47	10,645.0	-9,239.8	-124.6	9,240.6	0.00	0.00	0.00
20,498.0	90.00	179.47	10,645.0	-9,240.8	-124.6	9,241.6	0.00	0.00	0.00
20,499.0	90.00	179.47	10,645.0	-9,241.8	-124.6	9,242.6	0.00	0.00	0.00
20,500.0	90.00	179.47	10,645.0	-9,242.8	-124.6	9,243.6	0.05	0.00	0.05
20,501.0	90.00	179.47	10,645.0	-9,243.8	-124.6	9,244.6	0.00	0.00	0.00
20,502.0	90.00	179.47	10,645.0	-9,244.8	-124.6	9,245.6	0.00	0.00	0.00
20,503.0	90.00	179.47	10,645.0	-9,245.8	-124.6	9,246.6	0.00	0.00	0.00
20,504.0	90.00	179.47	10,645.0	-9,246.8	-124.5	9,247.6	0.00	0.00	0.00
20,505.0	90.00	179.47	10,645.0	-9,247.8	-124.5	9,248.6	0.00	0.00	0.00
20,506.0	90.00	179.47	10,645.0	-9,248.8	-124.5	9,249.6	0.00	0.00	0.00
20,507.0	90.00	179.47	10,645.0	-9,249.8	-124.5	9,250.6	0.00	0.00	0.00
20,508.0	90.00	179.47	10,645.0	-9,250.8	-124.5	9,251.6	0.00	0.00	0.00
20,509.0	90.00	179.47	10,645.0	-9,251.8	-124.5	9,252.6	0.00	0.00	0.00
20,510.0	90.00	179.47	10,645.0	-9,252.8	-124.5	9,253.6	0.00	0.00	0.00
20,511.0	90.00	179.47	10,645.0	-9,253.8	-124.5	9,254.6	0.00	0.00	0.00
20,512.0	90.00	179.47	10,645.0	-9,254.8	-124.5	9,255.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,513.0	90.00	179.47	10,645.0	-9,255.8	-124.5	9,256.6	0.00	0.00	0.00	
20,514.0	90.00	179.47	10,645.0	-9,256.8	-124.4	9,257.6	0.00	0.00	0.00	
20,515.0	90.00	179.47	10,645.0	-9,257.8	-124.4	9,258.6	0.00	0.00	0.00	
20,516.0	90.00	179.47	10,645.0	-9,258.8	-124.4	9,259.6	0.00	0.00	0.00	
20,517.0	90.00	179.47	10,645.0	-9,259.8	-124.4	9,260.6	0.00	0.00	0.00	
20,518.0	90.00	179.47	10,645.0	-9,260.8	-124.4	9,261.6	0.00	0.00	0.00	
20,519.0	90.00	179.47	10,645.0	-9,261.8	-124.4	9,262.6	0.00	0.00	0.00	
20,520.0	90.00	179.47	10,645.0	-9,262.8	-124.4	9,263.6	0.00	0.00	0.00	
20,521.0	90.00	179.47	10,645.0	-9,263.8	-124.4	9,264.6	0.00	0.00	0.00	
20,522.0	90.00	179.47	10,645.0	-9,264.8	-124.4	9,265.6	0.00	0.00	0.00	
20,523.0	90.00	179.47	10,645.0	-9,265.8	-124.4	9,266.6	0.00	0.00	0.00	
20,524.0	90.00	179.47	10,645.0	-9,266.8	-124.4	9,267.6	0.00	0.00	0.00	
20,525.0	90.00	179.47	10,645.0	-9,267.8	-124.3	9,268.6	0.00	0.00	0.00	
20,526.0	90.00	179.47	10,645.0	-9,268.8	-124.3	9,269.6	0.00	0.00	0.00	
20,527.0	90.00	179.47	10,645.0	-9,269.8	-124.3	9,270.6	0.00	0.00	0.00	
20,528.0	90.00	179.47	10,645.0	-9,270.8	-124.3	9,271.6	0.00	0.00	0.00	
20,529.0	90.00	179.47	10,645.0	-9,271.8	-124.3	9,272.6	0.00	0.00	0.00	
20,530.0	90.00	179.47	10,645.0	-9,272.8	-124.3	9,273.6	0.00	0.00	0.00	
20,531.0	90.00	179.47	10,645.0	-9,273.8	-124.3	9,274.6	0.00	0.00	0.00	
20,532.0	90.00	179.47	10,645.0	-9,274.8	-124.3	9,275.6	0.00	0.00	0.00	
20,533.0	90.00	179.47	10,645.0	-9,275.8	-124.3	9,276.6	0.00	0.00	0.00	
20,534.0	90.00	179.47	10,645.0	-9,276.8	-124.3	9,277.6	0.00	0.00	0.00	
20,535.0	90.00	179.47	10,645.0	-9,277.8	-124.3	9,278.6	0.00	0.00	0.00	
20,536.0	90.00	179.47	10,645.0	-9,278.8	-124.2	9,279.6	0.00	0.00	0.00	
20,537.0	90.00	179.47	10,645.0	-9,279.8	-124.2	9,280.6	0.00	0.00	0.00	
20,538.0	90.00	179.47	10,645.0	-9,280.8	-124.2	9,281.6	0.00	0.00	0.00	
20,539.0	90.00	179.47	10,645.0	-9,281.8	-124.2	9,282.6	0.00	0.00	0.00	
20,540.0	90.00	179.47	10,645.0	-9,282.8	-124.2	9,283.6	0.00	0.00	0.00	
20,541.0	90.00	179.47	10,645.0	-9,283.8	-124.2	9,284.6	0.00	0.00	0.00	
20,542.0	90.00	179.47	10,645.0	-9,284.8	-124.2	9,285.6	0.00	0.00	0.00	
20,543.0	90.00	179.47	10,645.0	-9,285.8	-124.2	9,286.6	0.00	0.00	0.00	
20,544.0	90.00	179.47	10,645.0	-9,286.8	-124.2	9,287.6	0.00	0.00	0.00	
20,545.0	90.00	179.47	10,645.0	-9,287.8	-124.2	9,288.6	0.00	0.00	0.00	
20,546.0	90.00	179.47	10,645.0	-9,288.8	-124.2	9,289.6	0.00	0.00	0.00	
20,547.0	90.00	179.47	10,645.0	-9,289.8	-124.1	9,290.6	0.00	0.00	0.00	
20,548.0	90.00	179.47	10,645.0	-9,290.8	-124.1	9,291.6	0.00	0.00	0.00	
20,549.0	90.00	179.47	10,645.0	-9,291.8	-124.1	9,292.6	0.00	0.00	0.00	
20,550.0	90.00	179.47	10,645.0	-9,292.8	-124.1	9,293.6	0.00	0.00	0.00	
20,551.0	90.00	179.47	10,645.0	-9,293.8	-124.1	9,294.6	0.00	0.00	0.00	
20,552.0	90.00	179.47	10,645.0	-9,294.8	-124.1	9,295.6	0.00	0.00	0.00	
20,553.0	90.00	179.47	10,645.0	-9,295.8	-124.1	9,296.6	0.00	0.00	0.00	
20,554.0	90.00	179.47	10,645.0	-9,296.8	-124.1	9,297.6	0.00	0.00	0.00	
20,555.0	90.00	179.47	10,645.0	-9,297.8	-124.1	9,298.6	0.00	0.00	0.00	
20,556.0	90.00	179.47	10,645.0	-9,298.8	-124.1	9,299.6	0.00	0.00	0.00	
20,557.0	90.00	179.47	10,645.0	-9,299.8	-124.0	9,300.6	0.00	0.00	0.00	
20,558.0	90.00	179.47	10,645.0	-9,300.8	-124.0	9,301.6	0.00	0.00	0.00	
20,559.0	90.00	179.47	10,645.0	-9,301.8	-124.0	9,302.6	0.00	0.00	0.00	
20,560.0	90.00	179.47	10,645.0	-9,302.8	-124.0	9,303.6	0.00	0.00	0.00	
20,561.0	90.00	179.47	10,645.0	-9,303.8	-124.0	9,304.6	0.00	0.00	0.00	
20,562.0	90.00	179.47	10,645.0	-9,304.8	-124.0	9,305.6	0.00	0.00	0.00	
20,563.0	90.00	179.47	10,645.0	-9,305.8	-124.0	9,306.6	0.00	0.00	0.00	
20,564.0	90.00	179.47	10,645.0	-9,306.8	-124.0	9,307.6	0.00	0.00	0.00	
20,565.0	90.00	179.47	10,645.0	-9,307.8	-124.0	9,308.6	0.00	0.00	0.00	
20,566.0	90.00	179.47	10,645.0	-9,308.8	-124.0	9,309.6	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,567.0	90.00	179.47	10,645.0	-9,309.8	-124.0	9,310.6	0.00	0.00	0.00	
20,568.0	90.00	179.47	10,645.0	-9,310.8	-123.9	9,311.6	0.00	0.00	0.00	
20,569.0	90.00	179.47	10,645.0	-9,311.8	-123.9	9,312.6	0.00	0.00	0.00	
20,570.0	90.00	179.47	10,645.0	-9,312.8	-123.9	9,313.6	0.00	0.00	0.00	
20,571.0	90.00	179.47	10,645.0	-9,313.8	-123.9	9,314.6	0.00	0.00	0.00	
20,572.0	90.00	179.47	10,645.0	-9,314.8	-123.9	9,315.6	0.00	0.00	0.00	
20,573.0	90.00	179.47	10,645.0	-9,315.8	-123.9	9,316.6	0.00	0.00	0.00	
20,574.0	90.00	179.47	10,645.0	-9,316.8	-123.9	9,317.6	0.00	0.00	0.00	
20,575.0	90.00	179.47	10,645.0	-9,317.8	-123.9	9,318.6	0.00	0.00	0.00	
20,576.0	90.00	179.47	10,645.0	-9,318.8	-123.9	9,319.6	0.00	0.00	0.00	
20,577.0	90.00	179.47	10,645.0	-9,319.8	-123.9	9,320.6	0.00	0.00	0.00	
20,578.0	90.00	179.47	10,645.0	-9,320.8	-123.9	9,321.6	0.00	0.00	0.00	
20,579.0	90.00	179.47	10,645.0	-9,321.8	-123.8	9,322.6	0.00	0.00	0.00	
20,580.0	90.00	179.47	10,645.0	-9,322.8	-123.8	9,323.6	0.00	0.00	0.00	
20,581.0	90.00	179.47	10,645.0	-9,323.8	-123.8	9,324.6	0.00	0.00	0.00	
20,582.0	90.00	179.47	10,645.0	-9,324.8	-123.8	9,325.6	0.00	0.00	0.00	
20,583.0	90.00	179.47	10,645.0	-9,325.8	-123.8	9,326.6	0.00	0.00	0.00	
20,584.0	90.00	179.47	10,645.0	-9,326.8	-123.8	9,327.6	0.00	0.00	0.00	
20,585.0	90.00	179.47	10,645.0	-9,327.8	-123.8	9,328.6	0.00	0.00	0.00	
20,586.0	90.00	179.47	10,645.0	-9,328.8	-123.8	9,329.6	0.00	0.00	0.00	
20,587.0	90.00	179.47	10,645.0	-9,329.8	-123.8	9,330.6	0.00	0.00	0.00	
20,588.0	90.00	179.47	10,645.0	-9,330.8	-123.8	9,331.6	0.00	0.00	0.00	
20,589.0	90.00	179.47	10,645.0	-9,331.8	-123.8	9,332.6	0.00	0.00	0.00	
20,590.0	90.00	179.47	10,645.0	-9,332.8	-123.7	9,333.6	0.00	0.00	0.00	
20,591.0	90.00	179.47	10,645.0	-9,333.8	-123.7	9,334.6	0.00	0.00	0.00	
20,592.0	90.00	179.47	10,645.0	-9,334.8	-123.7	9,335.6	0.00	0.00	0.00	
20,593.0	90.00	179.47	10,645.0	-9,335.8	-123.7	9,336.6	0.00	0.00	0.00	
20,594.0	90.00	179.47	10,645.0	-9,336.8	-123.7	9,337.6	0.00	0.00	0.00	
20,595.0	90.00	179.47	10,645.0	-9,337.8	-123.7	9,338.6	0.00	0.00	0.00	
20,596.0	90.00	179.47	10,645.0	-9,338.8	-123.7	9,339.6	0.00	0.00	0.00	
20,597.0	90.00	179.47	10,645.0	-9,339.8	-123.7	9,340.6	0.00	0.00	0.00	
20,598.0	90.00	179.47	10,645.0	-9,340.8	-123.7	9,341.6	0.00	0.00	0.00	
20,599.0	90.00	179.47	10,645.0	-9,341.8	-123.7	9,342.6	0.00	0.00	0.00	
20,600.0	90.00	179.47	10,645.0	-9,342.8	-123.7	9,343.6	0.05	0.00	0.05	
20,601.0	90.00	179.47	10,645.0	-9,343.8	-123.6	9,344.6	0.00	0.00	0.00	
20,602.0	90.00	179.47	10,645.0	-9,344.8	-123.6	9,345.6	0.00	0.00	0.00	
20,603.0	90.00	179.47	10,645.0	-9,345.8	-123.6	9,346.6	0.00	0.00	0.00	
20,604.0	90.00	179.47	10,645.0	-9,346.8	-123.6	9,347.6	0.00	0.00	0.00	
20,605.0	90.00	179.47	10,645.0	-9,347.8	-123.6	9,348.6	0.00	0.00	0.00	
20,606.0	90.00	179.47	10,645.0	-9,348.8	-123.6	9,349.6	0.00	0.00	0.00	
20,607.0	90.00	179.47	10,645.0	-9,349.8	-123.6	9,350.6	0.00	0.00	0.00	
20,608.0	90.00	179.47	10,645.0	-9,350.8	-123.6	9,351.6	0.00	0.00	0.00	
20,609.0	90.00	179.47	10,645.0	-9,351.8	-123.6	9,352.6	0.00	0.00	0.00	
20,610.0	90.00	179.47	10,645.0	-9,352.8	-123.6	9,353.6	0.00	0.00	0.00	
20,611.0	90.00	179.47	10,645.0	-9,353.8	-123.5	9,354.6	0.00	0.00	0.00	
20,612.0	90.00	179.47	10,645.0	-9,354.8	-123.5	9,355.6	0.00	0.00	0.00	
20,613.0	90.00	179.47	10,645.0	-9,355.8	-123.5	9,356.6	0.00	0.00	0.00	
20,614.0	90.00	179.47	10,645.0	-9,356.8	-123.5	9,357.6	0.00	0.00	0.00	
20,615.0	90.00	179.47	10,645.0	-9,357.8	-123.5	9,358.6	0.00	0.00	0.00	
20,616.0	90.00	179.47	10,645.0	-9,358.8	-123.5	9,359.6	0.00	0.00	0.00	
20,617.0	90.00	179.47	10,645.0	-9,359.8	-123.5	9,360.6	0.00	0.00	0.00	
20,618.0	90.00	179.47	10,645.0	-9,360.8	-123.5	9,361.6	0.00	0.00	0.00	
20,619.0	90.00	179.47	10,645.0	-9,361.8	-123.5	9,362.6	0.00	0.00	0.00	
20,620.0	90.00	179.47	10,645.0	-9,362.8	-123.5	9,363.6	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,621.0	90.00	179.47	10,645.0	-9,363.8	-123.5	9,364.6	0.00	0.00	0.00	
20,622.0	90.00	179.47	10,645.0	-9,364.8	-123.4	9,365.6	0.00	0.00	0.00	
20,623.0	90.00	179.47	10,645.0	-9,365.8	-123.4	9,366.6	0.00	0.00	0.00	
20,624.0	90.00	179.47	10,645.0	-9,366.8	-123.4	9,367.6	0.00	0.00	0.00	
20,625.0	90.00	179.47	10,645.0	-9,367.8	-123.4	9,368.6	0.00	0.00	0.00	
20,626.0	90.00	179.47	10,645.0	-9,368.8	-123.4	9,369.6	0.00	0.00	0.00	
20,627.0	90.00	179.47	10,645.0	-9,369.8	-123.4	9,370.6	0.00	0.00	0.00	
20,628.0	90.00	179.47	10,645.0	-9,370.8	-123.4	9,371.6	0.00	0.00	0.00	
20,629.0	90.00	179.47	10,645.0	-9,371.8	-123.4	9,372.6	0.00	0.00	0.00	
20,630.0	90.00	179.47	10,645.0	-9,372.8	-123.4	9,373.6	0.00	0.00	0.00	
20,631.0	90.00	179.47	10,645.0	-9,373.8	-123.4	9,374.6	0.00	0.00	0.00	
20,632.0	90.00	179.47	10,645.0	-9,374.8	-123.4	9,375.6	0.00	0.00	0.00	
20,633.0	90.00	179.47	10,645.0	-9,375.8	-123.3	9,376.6	0.00	0.00	0.00	
20,634.0	90.00	179.47	10,645.0	-9,376.8	-123.3	9,377.6	0.00	0.00	0.00	
20,635.0	90.00	179.47	10,645.0	-9,377.8	-123.3	9,378.6	0.00	0.00	0.00	
20,636.0	90.00	179.47	10,645.0	-9,378.8	-123.3	9,379.6	0.00	0.00	0.00	
20,637.0	90.00	179.47	10,645.0	-9,379.8	-123.3	9,380.6	0.00	0.00	0.00	
20,638.0	90.00	179.47	10,645.0	-9,380.8	-123.3	9,381.6	0.00	0.00	0.00	
20,639.0	90.00	179.47	10,645.0	-9,381.8	-123.3	9,382.6	0.00	0.00	0.00	
20,640.0	90.00	179.47	10,645.0	-9,382.8	-123.3	9,383.6	0.00	0.00	0.00	
20,641.0	90.00	179.47	10,645.0	-9,383.8	-123.3	9,384.6	0.00	0.00	0.00	
20,642.0	90.00	179.47	10,645.0	-9,384.8	-123.3	9,385.6	0.00	0.00	0.00	
20,643.0	90.00	179.47	10,645.0	-9,385.8	-123.3	9,386.6	0.00	0.00	0.00	
20,644.0	90.00	179.47	10,645.0	-9,386.8	-123.2	9,387.6	0.00	0.00	0.00	
20,645.0	90.00	179.47	10,645.0	-9,387.8	-123.2	9,388.6	0.00	0.00	0.00	
20,646.0	90.00	179.47	10,645.0	-9,388.8	-123.2	9,389.6	0.00	0.00	0.00	
20,647.0	90.00	179.47	10,645.0	-9,389.8	-123.2	9,390.6	0.00	0.00	0.00	
20,648.0	90.00	179.47	10,645.0	-9,390.8	-123.2	9,391.6	0.00	0.00	0.00	
20,649.0	90.00	179.47	10,645.0	-9,391.8	-123.2	9,392.6	0.00	0.00	0.00	
20,650.0	90.00	179.47	10,645.0	-9,392.8	-123.2	9,393.6	0.00	0.00	0.00	
20,651.0	90.00	179.47	10,645.0	-9,393.8	-123.2	9,394.6	0.00	0.00	0.00	
20,652.0	90.00	179.47	10,645.0	-9,394.8	-123.2	9,395.6	0.00	0.00	0.00	
20,653.0	90.00	179.47	10,645.0	-9,395.8	-123.2	9,396.6	0.00	0.00	0.00	
20,654.0	90.00	179.47	10,645.0	-9,396.8	-123.1	9,397.6	0.00	0.00	0.00	
20,655.0	90.00	179.47	10,645.0	-9,397.8	-123.1	9,398.6	0.00	0.00	0.00	
20,656.0	90.00	179.47	10,645.0	-9,398.8	-123.1	9,399.6	0.00	0.00	0.00	
20,657.0	90.00	179.47	10,645.0	-9,399.8	-123.1	9,400.6	0.00	0.00	0.00	
20,658.0	90.00	179.47	10,645.0	-9,400.8	-123.1	9,401.6	0.00	0.00	0.00	
20,659.0	90.00	179.47	10,645.0	-9,401.8	-123.1	9,402.6	0.00	0.00	0.00	
20,660.0	90.00	179.47	10,645.0	-9,402.8	-123.1	9,403.6	0.00	0.00	0.00	
20,661.0	90.00	179.47	10,645.0	-9,403.8	-123.1	9,404.6	0.00	0.00	0.00	
20,662.0	90.00	179.47	10,645.0	-9,404.8	-123.1	9,405.6	0.00	0.00	0.00	
20,663.0	90.00	179.47	10,645.0	-9,405.8	-123.1	9,406.6	0.00	0.00	0.00	
20,664.0	90.00	179.47	10,645.0	-9,406.8	-123.1	9,407.6	0.00	0.00	0.00	
20,665.0	90.00	179.47	10,645.0	-9,407.8	-123.0	9,408.6	0.00	0.00	0.00	
20,666.0	90.00	179.47	10,645.0	-9,408.8	-123.0	9,409.6	0.00	0.00	0.00	
20,667.0	90.00	179.47	10,645.0	-9,409.8	-123.0	9,410.6	0.00	0.00	0.00	
20,668.0	90.00	179.47	10,645.0	-9,410.8	-123.0	9,411.6	0.00	0.00	0.00	
20,669.0	90.00	179.47	10,645.0	-9,411.8	-123.0	9,412.6	0.00	0.00	0.00	
20,670.0	90.00	179.47	10,645.0	-9,412.8	-123.0	9,413.6	0.00	0.00	0.00	
20,671.0	90.00	179.47	10,645.0	-9,413.8	-123.0	9,414.6	0.00	0.00	0.00	
20,672.0	90.00	179.47	10,645.0	-9,414.8	-123.0	9,415.6	0.00	0.00	0.00	
20,673.0	90.00	179.47	10,645.0	-9,415.8	-123.0	9,416.6	0.00	0.00	0.00	
20,674.0	90.00	179.47	10,645.0	-9,416.8	-123.0	9,417.6	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,675.0	90.00	179.47	10,645.0	-9,417.8	-123.0	9,418.6	0.00	0.00	0.00	
20,676.0	90.00	179.47	10,645.0	-9,418.8	-122.9	9,419.6	0.00	0.00	0.00	
20,677.0	90.00	179.47	10,645.0	-9,419.8	-122.9	9,420.6	0.00	0.00	0.00	
20,678.0	90.00	179.47	10,645.0	-9,420.8	-122.9	9,421.6	0.00	0.00	0.00	
20,679.0	90.00	179.47	10,645.0	-9,421.8	-122.9	9,422.6	0.00	0.00	0.00	
20,680.0	90.00	179.47	10,645.0	-9,422.8	-122.9	9,423.6	0.00	0.00	0.00	
20,681.0	90.00	179.47	10,645.0	-9,423.8	-122.9	9,424.6	0.00	0.00	0.00	
20,682.0	90.00	179.47	10,645.0	-9,424.8	-122.9	9,425.6	0.00	0.00	0.00	
20,683.0	90.00	179.47	10,645.0	-9,425.8	-122.9	9,426.6	0.00	0.00	0.00	
20,684.0	90.00	179.47	10,645.0	-9,426.8	-122.9	9,427.6	0.00	0.00	0.00	
20,685.0	90.00	179.47	10,645.0	-9,427.8	-122.9	9,428.6	0.00	0.00	0.00	
20,686.0	90.00	179.47	10,645.0	-9,428.8	-122.9	9,429.6	0.00	0.00	0.00	
20,687.0	90.00	179.47	10,645.0	-9,429.8	-122.8	9,430.6	0.00	0.00	0.00	
20,688.0	90.00	179.47	10,645.0	-9,430.8	-122.8	9,431.6	0.00	0.00	0.00	
20,689.0	90.00	179.47	10,645.0	-9,431.8	-122.8	9,432.6	0.00	0.00	0.00	
20,690.0	90.00	179.47	10,645.0	-9,432.8	-122.8	9,433.6	0.00	0.00	0.00	
20,691.0	90.00	179.47	10,645.0	-9,433.8	-122.8	9,434.6	0.00	0.00	0.00	
20,692.0	90.00	179.47	10,645.0	-9,434.8	-122.8	9,435.6	0.00	0.00	0.00	
20,693.0	90.00	179.47	10,645.0	-9,435.8	-122.8	9,436.6	0.00	0.00	0.00	
20,694.0	90.00	179.47	10,645.0	-9,436.8	-122.8	9,437.6	0.00	0.00	0.00	
20,695.0	90.00	179.47	10,645.0	-9,437.8	-122.8	9,438.6	0.00	0.00	0.00	
20,696.0	90.00	179.47	10,645.0	-9,438.8	-122.8	9,439.6	0.00	0.00	0.00	
20,697.0	90.00	179.47	10,645.0	-9,439.8	-122.8	9,440.6	0.00	0.00	0.00	
20,698.0	90.00	179.47	10,645.0	-9,440.8	-122.7	9,441.6	0.00	0.00	0.00	
20,699.0	90.00	179.47	10,645.0	-9,441.8	-122.7	9,442.6	0.00	0.00	0.00	
20,700.0	90.00	179.47	10,645.0	-9,442.8	-122.7	9,443.6	0.05	0.00	0.05	
20,701.0	90.00	179.47	10,645.0	-9,443.8	-122.7	9,444.6	0.00	0.00	0.00	
20,702.0	90.00	179.47	10,645.0	-9,444.8	-122.7	9,445.6	0.00	0.00	0.00	
20,703.0	90.00	179.47	10,645.0	-9,445.8	-122.7	9,446.6	0.00	0.00	0.00	
20,704.0	90.00	179.47	10,645.0	-9,446.8	-122.7	9,447.6	0.00	0.00	0.00	
20,705.0	90.00	179.47	10,645.0	-9,447.8	-122.7	9,448.6	0.00	0.00	0.00	
20,706.0	90.00	179.47	10,645.0	-9,448.8	-122.7	9,449.6	0.00	0.00	0.00	
20,707.0	90.00	179.47	10,645.0	-9,449.8	-122.7	9,450.6	0.00	0.00	0.00	
20,708.0	90.00	179.47	10,645.0	-9,450.8	-122.6	9,451.6	0.00	0.00	0.00	
20,709.0	90.00	179.47	10,645.0	-9,451.8	-122.6	9,452.6	0.00	0.00	0.00	
20,710.0	90.00	179.47	10,645.0	-9,452.8	-122.6	9,453.6	0.00	0.00	0.00	
20,711.0	90.00	179.47	10,645.0	-9,453.8	-122.6	9,454.6	0.00	0.00	0.00	
20,712.0	90.00	179.47	10,645.0	-9,454.8	-122.6	9,455.6	0.00	0.00	0.00	
20,713.0	90.00	179.47	10,645.0	-9,455.8	-122.6	9,456.6	0.00	0.00	0.00	
20,714.0	90.00	179.47	10,645.0	-9,456.8	-122.6	9,457.6	0.00	0.00	0.00	
20,715.0	90.00	179.47	10,645.0	-9,457.8	-122.6	9,458.6	0.00	0.00	0.00	
20,716.0	90.00	179.47	10,645.0	-9,458.8	-122.6	9,459.6	0.00	0.00	0.00	
20,717.0	90.00	179.47	10,645.0	-9,459.8	-122.6	9,460.6	0.00	0.00	0.00	
20,718.0	90.00	179.47	10,645.0	-9,460.8	-122.6	9,461.6	0.00	0.00	0.00	
20,719.0	90.00	179.47	10,645.0	-9,461.8	-122.5	9,462.6	0.00	0.00	0.00	
20,720.0	90.00	179.47	10,645.0	-9,462.8	-122.5	9,463.6	0.00	0.00	0.00	
20,721.0	90.00	179.47	10,645.0	-9,463.8	-122.5	9,464.6	0.00	0.00	0.00	
20,722.0	90.00	179.47	10,645.0	-9,464.8	-122.5	9,465.6	0.00	0.00	0.00	
20,723.0	90.00	179.47	10,645.0	-9,465.8	-122.5	9,466.6	0.00	0.00	0.00	
20,724.0	90.00	179.47	10,645.0	-9,466.8	-122.5	9,467.6	0.00	0.00	0.00	
20,725.0	90.00	179.47	10,645.0	-9,467.8	-122.5	9,468.6	0.00	0.00	0.00	
20,726.0	90.00	179.47	10,645.0	-9,468.8	-122.5	9,469.6	0.00	0.00	0.00	
20,727.0	90.00	179.47	10,645.0	-9,469.8	-122.5	9,470.6	0.00	0.00	0.00	
20,728.0	90.00	179.47	10,645.0	-9,470.8	-122.5	9,471.6	0.00	0.00	0.00	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,729.0	90.00	179.47	10,645.0	-9,471.8	-122.5	9,472.6	0.00	0.00	0.00
20,730.0	90.00	179.47	10,645.0	-9,472.8	-122.4	9,473.6	0.00	0.00	0.00
20,731.0	90.00	179.47	10,645.0	-9,473.8	-122.4	9,474.6	0.00	0.00	0.00
20,732.0	90.00	179.47	10,645.0	-9,474.8	-122.4	9,475.6	0.00	0.00	0.00
20,733.0	90.00	179.47	10,645.0	-9,475.8	-122.4	9,476.6	0.00	0.00	0.00
20,734.0	90.00	179.47	10,645.0	-9,476.8	-122.4	9,477.6	0.00	0.00	0.00
20,735.0	90.00	179.47	10,645.0	-9,477.8	-122.4	9,478.6	0.00	0.00	0.00
20,736.0	90.00	179.47	10,645.0	-9,478.8	-122.4	9,479.6	0.00	0.00	0.00
20,737.0	90.00	179.47	10,645.0	-9,479.8	-122.4	9,480.6	0.00	0.00	0.00
20,738.0	90.00	179.47	10,645.0	-9,480.8	-122.4	9,481.6	0.00	0.00	0.00
20,739.0	90.00	179.47	10,645.0	-9,481.8	-122.4	9,482.6	0.00	0.00	0.00
20,740.0	90.00	179.47	10,645.0	-9,482.8	-122.4	9,483.6	0.00	0.00	0.00
20,741.0	90.00	179.47	10,645.0	-9,483.8	-122.3	9,484.6	0.00	0.00	0.00
20,742.0	90.00	179.47	10,645.0	-9,484.8	-122.3	9,485.6	0.00	0.00	0.00
20,743.0	90.00	179.47	10,645.0	-9,485.8	-122.3	9,486.6	0.00	0.00	0.00
20,744.0	90.00	179.47	10,645.0	-9,486.8	-122.3	9,487.6	0.00	0.00	0.00
20,745.0	90.00	179.47	10,645.0	-9,487.8	-122.3	9,488.6	0.00	0.00	0.00
20,746.0	90.00	179.47	10,645.0	-9,488.8	-122.3	9,489.6	0.00	0.00	0.00
20,747.0	90.00	179.47	10,645.0	-9,489.8	-122.3	9,490.6	0.00	0.00	0.00
20,748.0	90.00	179.47	10,645.0	-9,490.8	-122.3	9,491.6	0.00	0.00	0.00
20,749.0	90.00	179.47	10,645.0	-9,491.8	-122.3	9,492.6	0.00	0.00	0.00
20,750.0	90.00	179.47	10,645.0	-9,492.8	-122.3	9,493.6	0.00	0.00	0.00
20,751.0	90.00	179.47	10,645.0	-9,493.8	-122.3	9,494.6	0.00	0.00	0.00
20,752.0	90.00	179.47	10,645.0	-9,494.8	-122.2	9,495.6	0.00	0.00	0.00
20,753.0	90.00	179.47	10,645.0	-9,495.8	-122.2	9,496.6	0.00	0.00	0.00
20,754.0	90.00	179.47	10,645.0	-9,496.8	-122.2	9,497.6	0.00	0.00	0.00
20,755.0	90.00	179.47	10,645.0	-9,497.8	-122.2	9,498.6	0.00	0.00	0.00
20,756.0	90.00	179.47	10,645.0	-9,498.8	-122.2	9,499.6	0.00	0.00	0.00
20,757.0	90.00	179.47	10,645.0	-9,499.8	-122.2	9,500.6	0.00	0.00	0.00
20,758.0	90.00	179.47	10,645.0	-9,500.8	-122.2	9,501.6	0.00	0.00	0.00
20,759.0	90.00	179.47	10,645.0	-9,501.8	-122.2	9,502.6	0.00	0.00	0.00
20,760.0	90.00	179.47	10,645.0	-9,502.8	-122.2	9,503.6	0.00	0.00	0.00
20,761.0	90.00	179.47	10,645.0	-9,503.8	-122.2	9,504.6	0.00	0.00	0.00
20,762.0	90.00	179.47	10,645.0	-9,504.8	-122.1	9,505.6	0.00	0.00	0.00
20,763.0	90.00	179.47	10,645.0	-9,505.8	-122.1	9,506.6	0.00	0.00	0.00
20,764.0	90.00	179.47	10,645.0	-9,506.8	-122.1	9,507.6	0.00	0.00	0.00
20,765.0	90.00	179.47	10,645.0	-9,507.8	-122.1	9,508.6	0.00	0.00	0.00
20,766.0	90.00	179.47	10,645.0	-9,508.8	-122.1	9,509.6	0.00	0.00	0.00
20,767.0	90.00	179.47	10,645.0	-9,509.8	-122.1	9,510.6	0.00	0.00	0.00
20,768.0	90.00	179.47	10,645.0	-9,510.8	-122.1	9,511.6	0.00	0.00	0.00
20,769.0	90.00	179.47	10,645.0	-9,511.8	-122.1	9,512.6	0.00	0.00	0.00
20,770.0	90.00	179.47	10,645.0	-9,512.8	-122.1	9,513.6	0.00	0.00	0.00
20,771.0	90.00	179.47	10,645.0	-9,513.8	-122.1	9,514.6	0.00	0.00	0.00
20,772.0	90.00	179.47	10,645.0	-9,514.8	-122.1	9,515.6	0.00	0.00	0.00
20,773.0	90.00	179.47	10,645.0	-9,515.8	-122.0	9,516.6	0.00	0.00	0.00
20,774.0	90.00	179.47	10,645.0	-9,516.8	-122.0	9,517.6	0.00	0.00	0.00
20,775.0	90.00	179.47	10,645.0	-9,517.8	-122.0	9,518.6	0.00	0.00	0.00
20,776.0	90.00	179.47	10,645.0	-9,518.8	-122.0	9,519.6	0.00	0.00	0.00
20,777.0	90.00	179.47	10,645.0	-9,519.8	-122.0	9,520.6	0.00	0.00	0.00
20,778.0	90.00	179.47	10,645.0	-9,520.8	-122.0	9,521.6	0.00	0.00	0.00
20,779.0	90.00	179.47	10,645.0	-9,521.8	-122.0	9,522.6	0.00	0.00	0.00
20,780.0	90.00	179.47	10,645.0	-9,522.8	-122.0	9,523.6	0.00	0.00	0.00
20,781.0	90.00	179.47	10,645.0	-9,523.8	-122.0	9,524.6	0.00	0.00	0.00
20,782.0	90.00	179.47	10,645.0	-9,524.8	-122.0	9,525.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,783.0	90.00	179.47	10,645.0	-9,525.8	-122.0	9,526.6	0.00	0.00	0.00
20,784.0	90.00	179.47	10,645.0	-9,526.8	-121.9	9,527.6	0.00	0.00	0.00
20,785.0	90.00	179.47	10,645.0	-9,527.8	-121.9	9,528.6	0.00	0.00	0.00
20,786.0	90.00	179.47	10,645.0	-9,528.8	-121.9	9,529.6	0.00	0.00	0.00
20,787.0	90.00	179.47	10,645.0	-9,529.8	-121.9	9,530.6	0.00	0.00	0.00
20,788.0	90.00	179.47	10,645.0	-9,530.8	-121.9	9,531.6	0.00	0.00	0.00
20,789.0	90.00	179.47	10,645.0	-9,531.8	-121.9	9,532.6	0.00	0.00	0.00
20,790.0	90.00	179.47	10,645.0	-9,532.8	-121.9	9,533.6	0.00	0.00	0.00
20,791.0	90.00	179.47	10,645.0	-9,533.8	-121.9	9,534.6	0.00	0.00	0.00
20,792.0	90.00	179.47	10,645.0	-9,534.8	-121.9	9,535.6	0.00	0.00	0.00
20,793.0	90.00	179.47	10,645.0	-9,535.8	-121.9	9,536.6	0.00	0.00	0.00
20,794.0	90.00	179.47	10,645.0	-9,536.8	-121.9	9,537.6	0.00	0.00	0.00
20,795.0	90.00	179.47	10,645.0	-9,537.8	-121.8	9,538.6	0.00	0.00	0.00
20,796.0	90.00	179.47	10,645.0	-9,538.8	-121.8	9,539.6	0.00	0.00	0.00
20,797.0	90.00	179.47	10,645.0	-9,539.8	-121.8	9,540.6	0.00	0.00	0.00
20,798.0	90.00	179.47	10,645.0	-9,540.8	-121.8	9,541.6	0.00	0.00	0.00
20,799.0	90.00	179.47	10,645.0	-9,541.8	-121.8	9,542.6	0.00	0.00	0.00
20,800.0	90.00	179.47	10,645.0	-9,542.8	-121.8	9,543.6	0.05	0.00	0.05
20,801.0	90.00	179.47	10,645.0	-9,543.8	-121.8	9,544.6	0.00	0.00	0.00
20,802.0	90.00	179.47	10,645.0	-9,544.8	-121.8	9,545.6	0.00	0.00	0.00
20,803.0	90.00	179.47	10,645.0	-9,545.8	-121.8	9,546.6	0.00	0.00	0.00
20,804.0	90.00	179.47	10,645.0	-9,546.8	-121.8	9,547.6	0.00	0.00	0.00
20,805.0	90.00	179.47	10,645.0	-9,547.8	-121.8	9,548.6	0.00	0.00	0.00
20,806.0	90.00	179.47	10,645.0	-9,548.8	-121.7	9,549.6	0.00	0.00	0.00
20,807.0	90.00	179.47	10,645.0	-9,549.8	-121.7	9,550.6	0.00	0.00	0.00
20,808.0	90.00	179.47	10,645.0	-9,550.8	-121.7	9,551.6	0.00	0.00	0.00
20,809.0	90.00	179.47	10,645.0	-9,551.8	-121.7	9,552.6	0.00	0.00	0.00
20,810.0	90.00	179.47	10,645.0	-9,552.8	-121.7	9,553.6	0.00	0.00	0.00
20,811.0	90.00	179.47	10,645.0	-9,553.8	-121.7	9,554.6	0.00	0.00	0.00
20,812.0	90.00	179.47	10,645.0	-9,554.8	-121.7	9,555.6	0.00	0.00	0.00
20,813.0	90.00	179.47	10,645.0	-9,555.8	-121.7	9,556.6	0.00	0.00	0.00
20,814.0	90.00	179.47	10,645.0	-9,556.8	-121.7	9,557.6	0.00	0.00	0.00
20,815.0	90.00	179.47	10,645.0	-9,557.8	-121.7	9,558.6	0.00	0.00	0.00
20,816.0	90.00	179.47	10,645.0	-9,558.8	-121.6	9,559.6	0.00	0.00	0.00
20,817.0	90.00	179.47	10,645.0	-9,559.8	-121.6	9,560.6	0.00	0.00	0.00
20,818.0	90.00	179.47	10,645.0	-9,560.8	-121.6	9,561.6	0.00	0.00	0.00
20,819.0	90.00	179.47	10,645.0	-9,561.8	-121.6	9,562.6	0.00	0.00	0.00
20,820.0	90.00	179.47	10,645.0	-9,562.8	-121.6	9,563.6	0.00	0.00	0.00
20,821.0	90.00	179.47	10,645.0	-9,563.8	-121.6	9,564.6	0.00	0.00	0.00
20,822.0	90.00	179.47	10,645.0	-9,564.8	-121.6	9,565.6	0.00	0.00	0.00
20,823.0	90.00	179.47	10,645.0	-9,565.8	-121.6	9,566.6	0.00	0.00	0.00
20,824.0	90.00	179.47	10,645.0	-9,566.8	-121.6	9,567.6	0.00	0.00	0.00
20,825.0	90.00	179.47	10,645.0	-9,567.8	-121.6	9,568.6	0.00	0.00	0.00
20,826.0	90.00	179.47	10,645.0	-9,568.8	-121.6	9,569.6	0.00	0.00	0.00
20,827.0	90.00	179.47	10,645.0	-9,569.8	-121.5	9,570.6	0.00	0.00	0.00
20,828.0	90.00	179.47	10,645.0	-9,570.8	-121.5	9,571.6	0.00	0.00	0.00
20,829.0	90.00	179.47	10,645.0	-9,571.8	-121.5	9,572.6	0.00	0.00	0.00
20,830.0	90.00	179.47	10,645.0	-9,572.8	-121.5	9,573.6	0.00	0.00	0.00
20,831.0	90.00	179.47	10,645.0	-9,573.8	-121.5	9,574.6	0.00	0.00	0.00
20,832.0	90.00	179.47	10,645.0	-9,574.8	-121.5	9,575.6	0.00	0.00	0.00
20,833.0	90.00	179.47	10,645.0	-9,575.8	-121.5	9,576.6	0.00	0.00	0.00
20,834.0	90.00	179.47	10,645.0	-9,576.8	-121.5	9,577.6	0.00	0.00	0.00
20,835.0	90.00	179.47	10,645.0	-9,577.8	-121.5	9,578.6	0.00	0.00	0.00
20,836.0	90.00	179.47	10,645.0	-9,578.8	-121.5	9,579.6	0.00	0.00	0.00



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,837.0	90.00	179.47	10,645.0	-9,579.8	-121.5	9,580.6	0.00	0.00	0.00	
20,838.0	90.00	179.47	10,645.0	-9,580.8	-121.4	9,581.6	0.00	0.00	0.00	
20,839.0	90.00	179.47	10,645.0	-9,581.8	-121.4	9,582.6	0.00	0.00	0.00	
20,840.0	90.00	179.47	10,645.0	-9,582.8	-121.4	9,583.6	0.00	0.00	0.00	
20,841.0	90.00	179.47	10,645.0	-9,583.8	-121.4	9,584.6	0.00	0.00	0.00	
20,842.0	90.00	179.47	10,645.0	-9,584.8	-121.4	9,585.6	0.00	0.00	0.00	
20,843.0	90.00	179.47	10,645.0	-9,585.8	-121.4	9,586.6	0.00	0.00	0.00	
20,844.0	90.00	179.47	10,645.0	-9,586.8	-121.4	9,587.5	0.00	0.00	0.00	
20,845.0	90.00	179.47	10,645.0	-9,587.8	-121.4	9,588.5	0.00	0.00	0.00	
20,846.0	90.00	179.47	10,645.0	-9,588.8	-121.4	9,589.5	0.00	0.00	0.00	
20,847.0	90.00	179.47	10,645.0	-9,589.8	-121.4	9,590.5	0.00	0.00	0.00	
20,848.0	90.00	179.47	10,645.0	-9,590.8	-121.4	9,591.5	0.00	0.00	0.00	
20,849.0	90.00	179.47	10,645.0	-9,591.8	-121.3	9,592.5	0.00	0.00	0.00	
20,850.0	90.00	179.47	10,645.0	-9,592.8	-121.3	9,593.5	0.00	0.00	0.00	
20,851.0	90.00	179.47	10,645.0	-9,593.8	-121.3	9,594.5	0.00	0.00	0.00	
20,852.0	90.00	179.47	10,645.0	-9,594.8	-121.3	9,595.5	0.00	0.00	0.00	
20,853.0	90.00	179.47	10,645.0	-9,595.8	-121.3	9,596.5	0.00	0.00	0.00	
20,854.0	90.00	179.47	10,645.0	-9,596.8	-121.3	9,597.5	0.00	0.00	0.00	
20,855.0	90.00	179.47	10,645.0	-9,597.8	-121.3	9,598.5	0.00	0.00	0.00	
20,856.0	90.00	179.47	10,645.0	-9,598.8	-121.3	9,599.5	0.00	0.00	0.00	
20,857.0	90.00	179.47	10,645.0	-9,599.8	-121.3	9,600.5	0.00	0.00	0.00	
20,858.0	90.00	179.47	10,645.0	-9,600.8	-121.3	9,601.5	0.00	0.00	0.00	
20,859.0	90.00	179.47	10,645.0	-9,601.8	-121.3	9,602.5	0.00	0.00	0.00	
20,860.0	90.00	179.47	10,645.0	-9,602.8	-121.2	9,603.5	0.00	0.00	0.00	
20,861.0	90.00	179.47	10,645.0	-9,603.8	-121.2	9,604.5	0.00	0.00	0.00	
20,862.0	90.00	179.47	10,645.0	-9,604.8	-121.2	9,605.5	0.00	0.00	0.00	
20,863.0	90.00	179.47	10,645.0	-9,605.8	-121.2	9,606.5	0.00	0.00	0.00	
20,864.0	90.00	179.47	10,645.0	-9,606.8	-121.2	9,607.5	0.00	0.00	0.00	
20,865.0	90.00	179.47	10,645.0	-9,607.8	-121.2	9,608.5	0.00	0.00	0.00	
20,866.0	90.00	179.47	10,645.0	-9,608.8	-121.2	9,609.5	0.00	0.00	0.00	
20,867.0	90.00	179.47	10,645.0	-9,609.8	-121.2	9,610.5	0.00	0.00	0.00	
20,868.0	90.00	179.47	10,645.0	-9,610.8	-121.2	9,611.5	0.00	0.00	0.00	
20,869.0	90.00	179.47	10,645.0	-9,611.8	-121.2	9,612.5	0.00	0.00	0.00	
20,870.0	90.00	179.47	10,645.0	-9,612.8	-121.1	9,613.5	0.00	0.00	0.00	
20,871.0	90.00	179.47	10,645.0	-9,613.8	-121.1	9,614.5	0.00	0.00	0.00	
20,872.0	90.00	179.47	10,645.0	-9,614.8	-121.1	9,615.5	0.00	0.00	0.00	
20,873.0	90.00	179.47	10,645.0	-9,615.8	-121.1	9,616.5	0.00	0.00	0.00	
20,874.0	90.00	179.47	10,645.0	-9,616.8	-121.1	9,617.5	0.00	0.00	0.00	
20,875.0	90.00	179.47	10,645.0	-9,617.8	-121.1	9,618.5	0.00	0.00	0.00	
20,876.0	90.00	179.47	10,645.0	-9,618.8	-121.1	9,619.5	0.00	0.00	0.00	
20,877.0	90.00	179.47	10,645.0	-9,619.8	-121.1	9,620.5	0.00	0.00	0.00	
20,878.0	90.00	179.47	10,645.0	-9,620.8	-121.1	9,621.5	0.00	0.00	0.00	
20,879.0	90.00	179.47	10,645.0	-9,621.8	-121.1	9,622.5	0.00	0.00	0.00	
20,880.0	90.00	179.47	10,645.0	-9,622.8	-121.1	9,623.5	0.00	0.00	0.00	
20,881.0	90.00	179.47	10,645.0	-9,623.8	-121.0	9,624.5	0.00	0.00	0.00	
20,882.0	90.00	179.47	10,645.0	-9,624.8	-121.0	9,625.5	0.00	0.00	0.00	
20,883.0	90.00	179.47	10,645.0	-9,625.8	-121.0	9,626.5	0.00	0.00	0.00	
20,884.0	90.00	179.47	10,645.0	-9,626.8	-121.0	9,627.5	0.00	0.00	0.00	
20,885.0	90.00	179.47	10,645.0	-9,627.8	-121.0	9,628.5	0.00	0.00	0.00	
20,886.0	90.00	179.47	10,645.0	-9,628.8	-121.0	9,629.5	0.00	0.00	0.00	
20,886.2	90.00	179.47	10,645.0	-9,629.0	-121.0	9,629.8	0.21	0.01	0.21	



Planning Report

Database:	PEDM	Local Co-ordinate Reference:	Well #403H
Company:	Midland	TVD Reference:	kb = 25' @ 3479.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 25' @ 3479.0usft
Site:	Peregrine 27 Fed Com	North Reference:	Grid
Well:	#403H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP 2(Peregrine 27 Fec - plan hits target center - Point	0.00	0.00	10,167.5	768.0	-220.0	433,369.00	811,455.00	32° 11' 18.221 N	103° 27' 36.639 W
FTP(Peregrine 27 Fed C - plan hits target center - Point	0.00	0.00	10,380.2	718.0	-220.0	433,319.00	811,455.00	32° 11' 17.726 N	103° 27' 36.644 W
Fed Perf 1(Peregrine 27 - plan hits target center - Point	0.00	0.00	10,645.0	-1,822.0	-196.0	430,779.00	811,479.00	32° 10' 52.591 N	103° 27' 36.605 W
PBHL 2(Peregrine 27 Fe - plan hits target center - Point	0.00	0.00	10,645.0	-9,629.0	-121.0	422,972.00	811,554.00	32° 9' 35.335 N	103° 27' 36.469 W

Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com #403H

Plan #0.3



To convert a Magnetic Direction to a Grid Direction, Add 6.09°
To convert a Magnetic Direction to a True Direction, Add 6.55° East
To convert a True Direction to a Grid Direction, Subtract 0.47°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #403H

kb = 25' @ 3479.0usft 3454.0

Northing	Easting	Latitude	Longitude
432601.00	811675.00	32° 11' 10.604 N	103° 27' 34.152 W

SECTION DETAILS

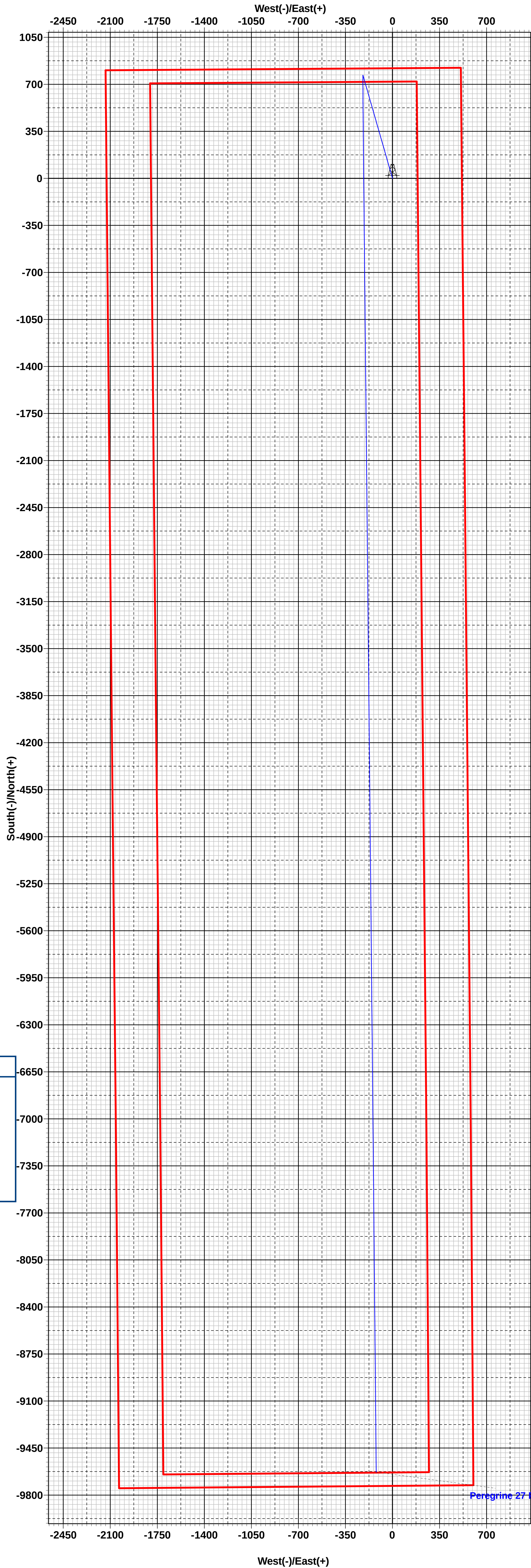
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1555.5	7.11	344.02	1554.6	21.2	-6.1	2.00	344.02	-21.1	
4	7653.2	7.11	344.02	7605.4	746.8	-213.9	0.00	0.00	-744.1	
5	8008.7	0.00	0.00	7960.0	768.0	-220.0	2.00	180.00	-765.2	
6	10216.2	0.00	0.00	10167.5	768.0	-220.0	0.00	0.00	-765.2	KOP 2(Peregrine 27 Fed Com #403H)
7	10436.7	26.46	180.00	10380.2	718.0	-220.0	12.00	180.00	-715.2	FTP(Peregrine 27 Fed Com #403H)
8	10966.2	90.00	179.43	10644.9	290.6	-217.1	12.00	-0.64	-287.8	
9	13078.9	90.00	179.43	10645.0	-1822.0	-196.0	0.00	0.00	1824.3	Fed Perf 1(Peregrine 27 Fed Com #403H)
10	20886.2	90.00	179.47	10645.0	-9629.0	-121.0	0.00	86.15	9629.8	PBHL 2(Peregrine 27 Fed Com #403H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP 2(Peregrine 27 Fed Com #403H)	10167.5	768.0	-220.0	433369.00	811455.00
FTP(Peregrine 27 Fed Com #403H)	10380.2	718.0	-220.0	433319.00	811455.00
Fed Perf 1(Peregrine 27 Fed Com #403H)	10645.0	-1822.0	-196.0	430779.00	811479.00
PBHL 2(Peregrine 27 Fed Com #403H)	10645.0	-9629.0	-121.0	422972.00	811554.00



Peregrine 27 Fed Com #403H/Plan #0.3

Vertical Section at 180.72°

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 91528

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 91528
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Previous COA's apply	3/24/2022