

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. NMNM19859

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 1/T25S/R33E/NMP7. If Unit of CA/Agreement, Name and/or No.
RED HILLS NORTH/NMNM104037X

8. Well Name and No. LACEY SWISS 1 FED COM/701H

9. API Well No. 3002549925

10. Field and Pool or Exploratory Area
BOBCAT DRAW; UPPER WOLFCAMP11. 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 SHL from T-25-S, R-33-E, Sec 1, 181' FNL, 545' FEL, Lea Co., NM,
to T-25-S, R-33-E, Sec 1, 221' FNL, 545' FEL, Lea Co., N.M.

Update casing and cement program to current design.

EOG requests execution of Variance 3a (attached) to offline cement the intermediate sections.

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 05/31/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Title Petroleum Engineer

Date 06/22/2022

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: NENE / 181 FNL / 545 FEL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1663019 / LONG: -103.5192648 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 2638 FNL / 330 FEL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1595424 / LONG: -103.5185718 (TVD: 12444 feet, MD: 14834 feet)

PPP: NENE / 100 FNL / 330 FEL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1665234 / LONG: -103.5185708 (TVD: 12179 feet, MD: 12192 feet)

BHL: SESE / 100 FSL / 330 FEL / TWSP: 25S / RANGE: 33E / SECTION: 12 / LAT: 32.1380463 / LONG: -103.518575 (TVD: 12444 feet, MD: 22654 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 30-025-49925		² Pool Code 98094	³ Pool Name Bobcat Draw, Upper Wolfcamp	
⁴ Property Code 330827	⁵ Property Name LACEY SWISS 1 FED COM			⁶ Well Number 701H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3475'

¹⁰**Surface Location**

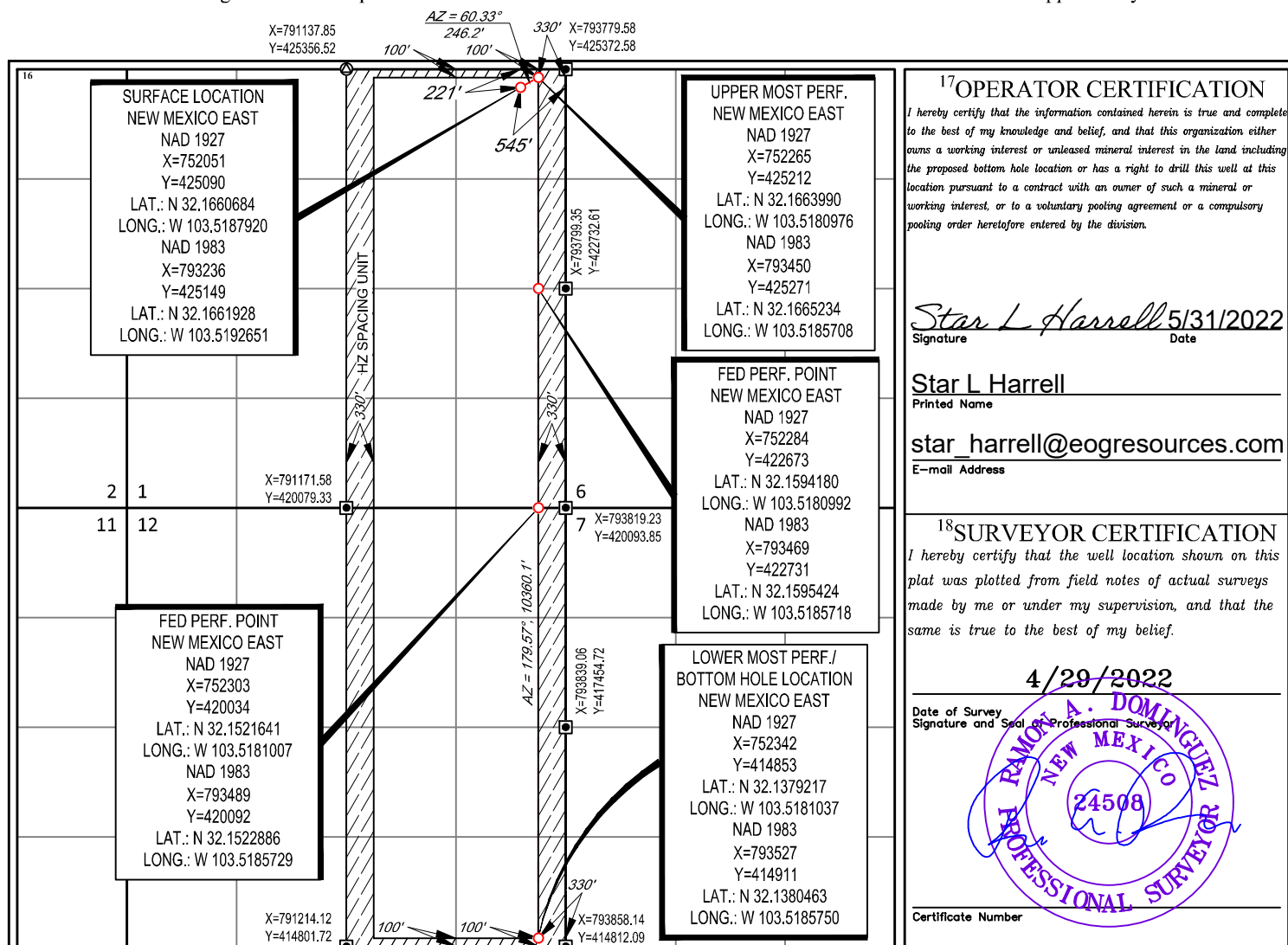
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	1	25-S	33-E	—	221'	NORTH	545'	EAST	LEA

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
P	12	25-S	33-E	—	100'	SOUTH	330'	EAST	LEA

¹² Dedicated Acres 639.91	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.





Lacey Swiss 1 Fed Com 701H

Revised Permit Information 04/26/2022:

Well Name: Lacey Swiss 1 Fed Com 701H

Location: SHL: 221' FNL & 545' FEL, Section 1, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 330' FEL, Section 12, T-25-S, R-33-E, Lea Co., N.M.

Casing Design A

Hole Size	Interval MD		Interval TVD		Csg OD	Weight	Grade	Conn
	From (ft)	To (ft)	From (ft)	To (ft)				
12-1/4"	0	1,300	0	1,300	9-5/8"	36#	J-55	LTC
8-3/4"	0	11,470	0	11,460	7-5/8"	29.7#	HCP-110	FXL
6-3/4"	0	10,970	0	10,960	5-1/2"	20#	P110-EC	DWC/C IS MS
6-3/4"	10,970	11,470	10,960	11,460	5-1/2"	20#	P110-EC	Vam Sprint SF
6-3/4"	11,470	22,726	11,460	12,515	5-1/2"	20#	P110-EC	DWC/C IS MS

Variance is requested to waive the centralizer requirements for the 7-5/8" casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4 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 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive the annular clearance requirements for the 5-1/2" casing by 7-5/8" casing annulus to the proposed top of cement.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the production open hole section.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,300' 9-5/8"	350	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,100')
11,470' 7-5/8"	460	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,568')
	1290	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
22,726' 5-1/2"	1000	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,970')



Lacey Swiss 1 Fed Com 701H

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

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (7,768') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 293 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top will be verified by Echo-meter.

EOG will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,300'	Fresh - Gel	8.6-8.8	28-34	N/c
1,300' – 11,470'	Brine	10.0-10.2	28-34	N/c
11,470' – 12,044'	Oil Base	8.7-9.4	58-68	N/c - 6
12,044' – 22,726'	Oil Base	10.0-14.0	58-68	4 - 6



Lacey Swiss 1 Fed Com 701H

Wellhead & Offline Cementing:

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.a.i) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations 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 option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- See attached "EOG BLM Variance 3a -Offline Cement Intermediate Operational Procedure"



Lacey Swiss 1 Fed Com 701H

221' FNL
545' FEL
Section 1
T-25-S, R-33-E

Revised Wellbore

KB: 3500'
GL: 3475'

API: 30-025-49925

Bit Size: 12-1/4"

9-5/8", 36#, J-55, LTC,
@ 0' - 1,300'

Bit Size: 8-3/4"

7-5/8", 29.7#, HCP-110, FXL,
@ 0' - 11,470'

Bit Size: 6-3/4"

5-1/2", 20#, P110-EC, DWC/C IS MS,
@ 0' - 10,970'

5-1/2", 20#, P110-EC, Vam Sprint SF,
@ 10,970' - 11,470'

5-1/2", 20#, P110-EC, DWC/C IS MS,
@ 11,470' - 22,726'

KOP: 12,044' MD, 12,038' TVD
EOC: 12,794' MD, 12,515' TVD

TOC: 10,970'

Lateral: 22,726' MD, 12,515' TVD

Upper Most Perf:

100' FNL & 330' FEL Sec. 1

Lower Most Perf:

100' FSL & 330' FEL Sec. 12

BH Location: 100' FSL & 330' FEL
Sec. 12
T-25-S R-33-E

10,000 PSI BOP Annular Variance Request

EOG Resources request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOP).

1. Component and Preventer Compatibility Tables

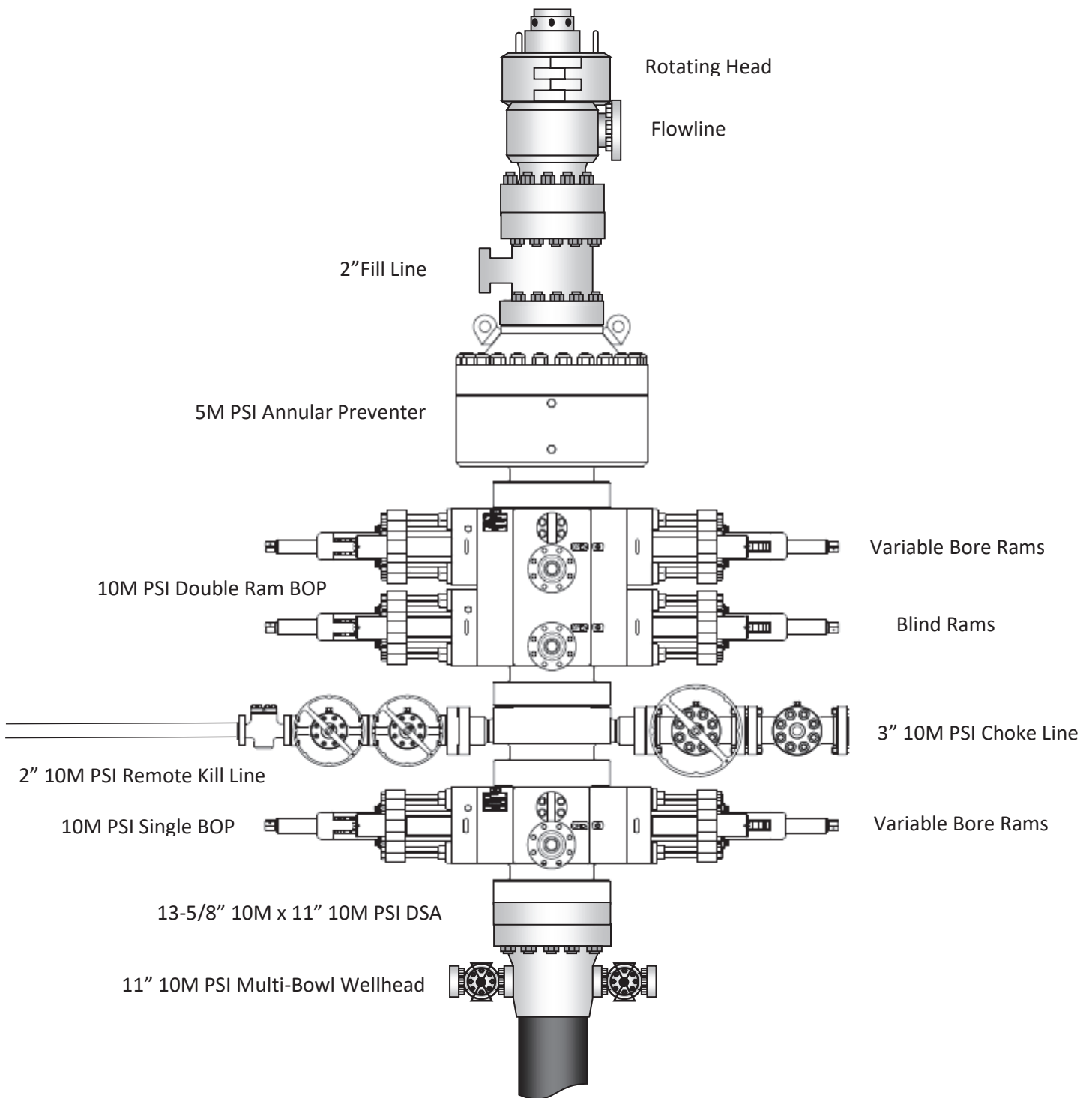
The tables below outlines the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

9-7/8" & 8-3/4" Intermediate Hole Section 10M psi requirement					
Component	OD	Primary Preventer	RWP	Alternate Preventer(s)	RWP
Drillpipe	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Jars	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	6.500 – 8.000"	Annular	5M	-	-
Mud Motor	6.750 – 8.000"	Annular	5M	-	-
Intermediate casing	7.625"	Annular	5M	-	-
Open-hole	-	Blind Rams	10M	-	-

6-3/4" Production Hole Section 10M psi requirement					
Component	OD	Primary Preventer	RWP	Alternate Preventer(s)	RWP
Drillpipe	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	4.750 – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	4.750 – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	5.500 – 5.750"	Annular	5M	-	-
Production casing	5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Open-hole	-	Blind Rams	10M	-	-

VBR = Variable Bore Ram

EOG Resources 11" 10M PSI BOP Stack



2. Well Control Procedures

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the EOG Resources drilling supervisor's office on location, and on the rig floor. All BOP equipment will be tested as per Onshore O&G Order No. 2 with the exception of the 5000 psi annular which will be tested to 100% of its RWP.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string

4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams. (HCR and choke will already be in the closed position.)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
 - a. SICP
 - b. Pit gain
 - c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drillpipe thru the stack.
 - a. Perform flowcheck, if flowing:
 - b. Sound alarm (alert crew)
 - c. Stab full opening safety valve and close
 - d. Space out drill string with tool joint just beneath the upper variable bore rams.
 - e. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
 - f. Confirm shut-in
 - g. Notify toolpusher/company representative
 - h. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - i. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. Stab crossover and full opening safety valve and close
 - c. Space out drill string with upset just beneath the upper variable bore rams.
 - d. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
 - e. Confirm shut-in
 - f. Notify toolpusher/company representative
 - g. Read and record the following:
 - i. SIDPP and SICP

- ii. Pit gain
 - iii. Time
 - h. Regroup and identify forward plan
- 3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. If possible to pick up high enough, pull string clear of the stack and follow “Open Hole” scenario.
 - c. If impossible to pick up high enough to pull the string clear of the stack:
 - d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
 - e. Space out drill string with tooljoint just beneath the upper variable bore ram.
 - f. Shut-in using upper variable bore ram. (HCR and choke will already be in the closed position.)
 - g. Confirm shut-in
 - h. Notify toolpusher/company representative
 - i. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - j. Regroup and identify forward plan



Midland

Lea County, NM (NAD 83 NME)

Lacey Swiss 1 Fed Com

#701H

OH

Plan: Plan #0.1 RT

Standard Planning Report

24 May, 2022





Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #701H
Company:	Midland	TVD Reference:	kb = 26' @ 3501.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3501.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	Lacey Swiss 1 Fed Com		
Site Position:		Northing:	425,128.00 usft
From:	Map	Easting:	793,117.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1661384°N
		Longitude:	103.5196514°W

Well	#701H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.43 °	Latitude:	32.1661937°N
		Longitude:	103.5192664°W
		Ground Level:	3,475.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/23/2022	6.41	59.82	47,367.04525181

Design	Plan #0.1 RT				
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	178.37	

Plan Survey Tool Program	Date	5/24/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	22,726.3	Plan #0.1 RT (OH)	EOG MWD+IFR1	
				MWD + IFR1	



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #701H
Company:	Midland	TVD Reference:	kb = 26' @ 3501.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3501.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,525.9	2.52	51.21	1,525.9	1.7	2.2	2.00	2.00	0.00	51.21	
7,648.1	2.52	51.21	7,642.1	170.3	211.8	0.00	0.00	0.00	0.00	
7,774.0	0.00	0.00	7,768.0	172.0	214.0	2.00	-2.00	0.00	180.00	
12,043.5	0.00	0.00	12,037.5	172.0	214.0	0.00	0.00	0.00	0.00	KOP(Lacey Swiss 1 I
12,263.9	26.46	180.00	12,250.2	122.0	214.0	12.00	12.00	81.65	180.00	FTP(Lacey Swiss 1 F
12,793.5	90.00	179.55	12,514.9	-305.4	216.3	12.00	12.00	-0.09	-0.50	
14,906.1	90.00	179.55	12,515.0	-2,418.0	233.0	0.00	0.00	0.00	0.00	Fed Perf 1(Lacey Swi
14,906.2	90.00	179.55	12,515.0	-2,418.1	233.0	0.00	0.00	0.00	0.00	
17,545.2	90.00	179.55	12,515.0	-5,057.0	253.0	0.00	0.00	0.00	0.00	Fed Perf 2(Lacey Swi
22,726.3	90.00	179.61	12,515.0	-10,238.0	291.0	0.00	0.00	0.00	87.38	PBHL(Lacey Swiss 1



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Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey									
Measured Depth (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
100.0	0.00	0.00	100.0	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
300.0	0.00	0.00	300.0	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
500.0	0.00	0.00	500.0	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
700.0	0.00	0.00	700.0	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
900.0	0.00	0.00	900.0	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
1,100.0	0.00	0.00	1,100.0	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
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	2.00	51.21	1,500.0	1.1	1.4	-1.1	2.00	2.00	0.00
1,525.9	2.52	51.21	1,525.9	1.7	2.2	-1.7	2.00	2.00	0.00
1,600.0	2.52	51.21	1,599.9	3.8	4.7	-3.6	0.00	0.00	0.00
1,700.0	2.52	51.21	1,699.8	6.5	8.1	-6.3	0.00	0.00	0.00
1,800.0	2.52	51.21	1,799.7	9.3	11.5	-8.9	0.00	0.00	0.00
1,900.0	2.52	51.21	1,899.6	12.0	15.0	-11.6	0.00	0.00	0.00
2,000.0	2.52	51.21	1,999.5	14.8	18.4	-14.3	0.00	0.00	0.00
2,100.0	2.52	51.21	2,099.4	17.5	21.8	-16.9	0.00	0.00	0.00
2,200.0	2.52	51.21	2,199.3	20.3	25.2	-19.6	0.00	0.00	0.00
2,300.0	2.52	51.21	2,299.2	23.0	28.7	-22.2	0.00	0.00	0.00
2,400.0	2.52	51.21	2,399.1	25.8	32.1	-24.9	0.00	0.00	0.00
2,500.0	2.52	51.21	2,499.0	28.5	35.5	-27.5	0.00	0.00	0.00
2,600.0	2.52	51.21	2,598.9	31.3	38.9	-30.2	0.00	0.00	0.00
2,700.0	2.52	51.21	2,698.8	34.1	42.4	-32.8	0.00	0.00	0.00
2,800.0	2.52	51.21	2,798.7	36.8	45.8	-35.5	0.00	0.00	0.00
2,900.0	2.52	51.21	2,898.6	39.6	49.2	-38.1	0.00	0.00	0.00
3,000.0	2.52	51.21	2,998.5	42.3	52.6	-40.8	0.00	0.00	0.00
3,100.0	2.52	51.21	3,098.4	45.1	56.1	-43.5	0.00	0.00	0.00
3,200.0	2.52	51.21	3,198.3	47.8	59.5	-46.1	0.00	0.00	0.00
3,300.0	2.52	51.21	3,298.2	50.6	62.9	-48.8	0.00	0.00	0.00
3,400.0	2.52	51.21	3,398.1	53.3	66.3	-51.4	0.00	0.00	0.00
3,500.0	2.52	51.21	3,498.1	56.1	69.8	-54.1	0.00	0.00	0.00
3,600.0	2.52	51.21	3,598.0	58.8	73.2	-56.7	0.00	0.00	0.00
3,700.0	2.52	51.21	3,697.9	61.6	76.6	-59.4	0.00	0.00	0.00
3,800.0	2.52	51.21	3,797.8	64.3	80.0	-62.0	0.00	0.00	0.00
3,900.0	2.52	51.21	3,897.7	67.1	83.5	-64.7	0.00	0.00	0.00
4,000.0	2.52	51.21	3,997.6	69.8	86.9	-67.3	0.00	0.00	0.00
4,100.0	2.52	51.21	4,097.5	72.6	90.3	-70.0	0.00	0.00	0.00
4,200.0	2.52	51.21	4,197.4	75.3	93.7	-72.7	0.00	0.00	0.00
4,300.0	2.52	51.21	4,297.3	78.1	97.2	-75.3	0.00	0.00	0.00
4,400.0	2.52	51.21	4,397.2	80.9	100.6	-78.0	0.00	0.00	0.00
4,500.0	2.52	51.21	4,497.1	83.6	104.0	-80.6	0.00	0.00	0.00
4,600.0	2.52	51.21	4,597.0	86.4	107.4	-83.3	0.00	0.00	0.00
4,700.0	2.52	51.21	4,696.9	89.1	110.9	-85.9	0.00	0.00	0.00
4,800.0	2.52	51.21	4,796.8	91.9	114.3	-88.6	0.00	0.00	0.00
4,900.0	2.52	51.21	4,896.7	94.6	117.7	-91.2	0.00	0.00	0.00
5,000.0	2.52	51.21	4,996.6	97.4	121.1	-93.9	0.00	0.00	0.00
5,100.0	2.52	51.21	5,096.5	100.1	124.6	-96.5	0.00	0.00	0.00
5,200.0	2.52	51.21	5,196.4	102.9	128.0	-99.2	0.00	0.00	0.00



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Company:	Midland	TVD Reference:	kb = 26' @ 3501.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3501.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,300.0	2.52	51.21	5,296.3	105.6	131.4	-101.9	0.00	0.00	0.00	
5,400.0	2.52	51.21	5,396.2	108.4	134.8	-104.5	0.00	0.00	0.00	
5,500.0	2.52	51.21	5,496.1	111.1	138.3	-107.2	0.00	0.00	0.00	
5,600.0	2.52	51.21	5,596.0	113.9	141.7	-109.8	0.00	0.00	0.00	
5,700.0	2.52	51.21	5,695.9	116.6	145.1	-112.5	0.00	0.00	0.00	
5,800.0	2.52	51.21	5,795.8	119.4	148.5	-115.1	0.00	0.00	0.00	
5,900.0	2.52	51.21	5,895.7	122.1	152.0	-117.8	0.00	0.00	0.00	
6,000.0	2.52	51.21	5,995.6	124.9	155.4	-120.4	0.00	0.00	0.00	
6,100.0	2.52	51.21	6,095.5	127.7	158.8	-123.1	0.00	0.00	0.00	
6,200.0	2.52	51.21	6,195.4	130.4	162.2	-125.7	0.00	0.00	0.00	
6,300.0	2.52	51.21	6,295.3	133.2	165.7	-128.4	0.00	0.00	0.00	
6,400.0	2.52	51.21	6,395.3	135.9	169.1	-131.0	0.00	0.00	0.00	
6,500.0	2.52	51.21	6,495.2	138.7	172.5	-133.7	0.00	0.00	0.00	
6,600.0	2.52	51.21	6,595.1	141.4	175.9	-136.4	0.00	0.00	0.00	
6,700.0	2.52	51.21	6,695.0	144.2	179.4	-139.0	0.00	0.00	0.00	
6,800.0	2.52	51.21	6,794.9	146.9	182.8	-141.7	0.00	0.00	0.00	
6,900.0	2.52	51.21	6,894.8	149.7	186.2	-144.3	0.00	0.00	0.00	
7,000.0	2.52	51.21	6,994.7	152.4	189.6	-147.0	0.00	0.00	0.00	
7,100.0	2.52	51.21	7,094.6	155.2	193.1	-149.6	0.00	0.00	0.00	
7,200.0	2.52	51.21	7,194.5	157.9	196.5	-152.3	0.00	0.00	0.00	
7,300.0	2.52	51.21	7,294.4	160.7	199.9	-154.9	0.00	0.00	0.00	
7,400.0	2.52	51.21	7,394.3	163.4	203.3	-157.6	0.00	0.00	0.00	
7,500.0	2.52	51.21	7,494.2	166.2	206.8	-160.2	0.00	0.00	0.00	
7,600.0	2.52	51.21	7,594.1	168.9	210.2	-162.9	0.00	0.00	0.00	
7,648.1	2.52	51.21	7,642.1	170.3	211.8	-164.2	0.00	0.00	0.00	
7,700.0	1.48	51.21	7,694.0	171.4	213.3	-165.3	2.00	-2.00	0.00	
7,774.0	0.00	0.00	7,768.0	172.0	214.0	-165.9	2.00	-2.00	0.00	
7,800.0	0.00	0.00	7,794.0	172.0	214.0	-165.9	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,894.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,994.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,094.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,194.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,294.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,394.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,494.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,594.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,694.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,794.0	172.0	214.0	-165.9	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,894.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,994.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,094.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,194.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,294.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,394.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,494.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,594.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,694.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,794.0	172.0	214.0	-165.9	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,894.0	172.0	214.0	-165.9	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,994.0	172.0	214.0	-165.9	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,094.0	172.0	214.0	-165.9	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,194.0	172.0	214.0	-165.9	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,294.0	172.0	214.0	-165.9	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,394.0	172.0	214.0	-165.9	0.00	0.00	0.00	



Planning Report



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Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,500.0	0.00	0.00	10,494.0	172.0	214.0	-165.9	0.00	0.00	0.00
10,600.0	0.00	0.00	10,594.0	172.0	214.0	-165.9	0.00	0.00	0.00
10,700.0	0.00	0.00	10,694.0	172.0	214.0	-165.9	0.00	0.00	0.00
10,800.0	0.00	0.00	10,794.0	172.0	214.0	-165.9	0.00	0.00	0.00
10,900.0	0.00	0.00	10,894.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,000.0	0.00	0.00	10,994.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,100.0	0.00	0.00	11,094.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,200.0	0.00	0.00	11,194.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,300.0	0.00	0.00	11,294.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,400.0	0.00	0.00	11,394.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,500.0	0.00	0.00	11,494.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,600.0	0.00	0.00	11,594.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,700.0	0.00	0.00	11,694.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,800.0	0.00	0.00	11,794.0	172.0	214.0	-165.9	0.00	0.00	0.00
11,900.0	0.00	0.00	11,894.0	172.0	214.0	-165.9	0.00	0.00	0.00
12,000.0	0.00	0.00	11,994.0	172.0	214.0	-165.9	0.00	0.00	0.00
12,043.5	0.00	0.00	12,037.5	172.0	214.0	-165.9	0.00	0.00	0.00
12,050.0	0.78	180.00	12,044.0	172.0	214.0	-165.8	12.00	12.00	0.00
12,075.0	3.78	180.00	12,069.0	171.0	214.0	-164.8	12.00	12.00	0.00
12,100.0	6.78	180.00	12,093.9	168.7	214.0	-162.5	12.00	12.00	0.00
12,125.0	9.78	180.00	12,118.6	165.1	214.0	-158.9	12.00	12.00	0.00
12,150.0	12.78	180.00	12,143.1	160.2	214.0	-154.0	12.00	12.00	0.00
12,175.0	15.78	180.00	12,167.3	154.0	214.0	-147.9	12.00	12.00	0.00
12,200.0	18.78	180.00	12,191.2	146.6	214.0	-140.4	12.00	12.00	0.00
12,225.0	21.78	180.00	12,214.7	137.9	214.0	-131.8	12.00	12.00	0.00
12,250.0	24.78	180.00	12,237.6	128.0	214.0	-121.9	12.00	12.00	0.00
12,263.9	26.46	180.00	12,250.2	122.0	214.0	-115.9	12.00	12.00	0.00
12,275.0	27.78	179.97	12,260.0	117.0	214.0	-110.8	12.00	12.00	-0.23
12,300.0	30.78	179.93	12,281.8	104.7	214.0	-98.6	12.00	12.00	-0.20
12,325.0	33.78	179.88	12,303.0	91.4	214.0	-85.3	12.00	12.00	-0.17
12,350.0	36.78	179.85	12,323.4	76.9	214.1	-70.8	12.00	12.00	-0.14
12,375.0	39.78	179.82	12,343.0	61.5	214.1	-55.3	12.00	12.00	-0.12
12,400.0	42.78	179.79	12,361.8	45.0	214.2	-38.9	12.00	12.00	-0.11
12,425.0	45.78	179.77	12,379.7	27.5	214.2	-21.4	12.00	12.00	-0.10
12,450.0	48.78	179.75	12,396.6	9.1	214.3	-3.1	12.00	12.00	-0.09
12,475.0	51.78	179.73	12,412.6	-10.1	214.4	16.2	12.00	12.00	-0.08
12,500.0	54.78	179.71	12,427.6	-30.1	214.5	36.2	12.00	12.00	-0.07
12,525.0	57.78	179.69	12,441.4	-50.9	214.6	57.0	12.00	12.00	-0.07
12,550.0	60.78	179.67	12,454.2	-72.4	214.7	78.5	12.00	12.00	-0.06
12,575.0	63.78	179.66	12,465.8	-94.5	214.9	100.6	12.00	12.00	-0.06
12,600.0	66.78	179.64	12,476.3	-117.2	215.0	123.3	12.00	12.00	-0.06
12,625.0	69.78	179.63	12,485.5	-140.5	215.1	146.5	12.00	12.00	-0.05
12,650.0	72.78	179.62	12,493.6	-164.1	215.3	170.2	12.00	12.00	-0.05
12,675.0	75.78	179.60	12,500.3	-188.2	215.5	194.2	12.00	12.00	-0.05
12,700.0	78.78	179.59	12,505.8	-212.6	215.6	218.6	12.00	12.00	-0.05
12,725.0	81.78	179.58	12,510.0	-237.2	215.8	243.3	12.00	12.00	-0.05
12,750.0	84.78	179.57	12,513.0	-262.0	216.0	268.1	12.00	12.00	-0.05
12,775.0	87.78	179.56	12,514.6	-287.0	216.2	293.0	12.00	12.00	-0.05
12,793.5	90.00	179.55	12,514.9	-305.4	216.3	311.5	12.00	12.00	-0.05
12,800.0	90.00	179.55	12,514.9	-312.0	216.4	318.0	0.00	0.00	0.00
12,900.0	90.00	179.55	12,514.9	-412.0	217.2	418.0	0.00	0.00	0.00
13,000.0	90.00	179.55	12,515.0	-512.0	218.0	518.0	0.00	0.00	0.00
13,100.0	90.00	179.55	12,515.0	-612.0	218.8	617.9	0.00	0.00	0.00
13,200.0	90.00	179.55	12,515.0	-712.0	219.5	717.9	0.00	0.00	0.00



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #701H
Company:	Midland	TVD Reference:	kb = 26' @ 3501.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3501.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,300.0	90.00	179.55	12,515.0	-812.0	220.3	817.9	0.00	0.00	0.00	
13,400.0	90.00	179.55	12,515.0	-912.0	221.1	917.9	0.00	0.00	0.00	
13,500.0	90.00	179.55	12,515.0	-1,012.0	221.9	1,017.9	0.00	0.00	0.00	
13,600.0	90.00	179.55	12,515.0	-1,112.0	222.7	1,117.8	0.00	0.00	0.00	
13,700.0	90.00	179.55	12,515.0	-1,212.0	223.5	1,217.8	0.00	0.00	0.00	
13,800.0	90.00	179.55	12,515.0	-1,311.9	224.3	1,317.8	0.00	0.00	0.00	
13,900.0	90.00	179.55	12,515.0	-1,411.9	225.1	1,417.8	0.00	0.00	0.00	
14,000.0	90.00	179.55	12,515.0	-1,511.9	225.9	1,517.7	0.00	0.00	0.00	
14,100.0	90.00	179.55	12,515.0	-1,611.9	226.6	1,617.7	0.00	0.00	0.00	
14,200.0	90.00	179.55	12,515.0	-1,711.9	227.4	1,717.7	0.00	0.00	0.00	
14,300.0	90.00	179.55	12,515.0	-1,811.9	228.2	1,817.7	0.00	0.00	0.00	
14,400.0	90.00	179.55	12,515.0	-1,911.9	229.0	1,917.7	0.00	0.00	0.00	
14,500.0	90.00	179.55	12,515.0	-2,011.9	229.8	2,017.6	0.00	0.00	0.00	
14,600.0	90.00	179.55	12,515.0	-2,111.9	230.6	2,117.6	0.00	0.00	0.00	
14,700.0	90.00	179.55	12,515.0	-2,211.9	231.4	2,217.6	0.00	0.00	0.00	
14,800.0	90.00	179.55	12,515.0	-2,311.9	232.2	2,317.6	0.00	0.00	0.00	
14,906.1	90.00	179.55	12,515.0	-2,418.0	233.0	2,423.6	0.00	0.00	0.00	
14,906.2	90.00	179.55	12,515.0	-2,418.1	233.0	2,423.8	0.00	0.00	0.00	
15,000.0	90.00	179.55	12,515.0	-2,511.9	233.7	2,517.5	0.00	0.00	0.00	
15,100.0	90.00	179.55	12,515.0	-2,611.9	234.5	2,617.5	0.00	0.00	0.00	
15,200.0	90.00	179.55	12,515.0	-2,711.9	235.3	2,717.5	0.00	0.00	0.00	
15,300.0	90.00	179.55	12,515.0	-2,811.9	236.1	2,817.5	0.00	0.00	0.00	
15,400.0	90.00	179.55	12,515.0	-2,911.9	236.9	2,917.5	0.00	0.00	0.00	
15,500.0	90.00	179.55	12,515.0	-3,011.9	237.7	3,017.4	0.00	0.00	0.00	
15,600.0	90.00	179.55	12,515.0	-3,111.9	238.5	3,117.4	0.00	0.00	0.00	
15,700.0	90.00	179.55	12,515.0	-3,211.9	239.3	3,217.4	0.00	0.00	0.00	
15,800.0	90.00	179.55	12,515.0	-3,311.9	240.1	3,317.4	0.00	0.00	0.00	
15,900.0	90.00	179.55	12,515.0	-3,411.9	240.8	3,417.3	0.00	0.00	0.00	
16,000.0	90.00	179.55	12,515.0	-3,511.9	241.6	3,517.3	0.00	0.00	0.00	
16,100.0	90.00	179.55	12,515.0	-3,611.9	242.4	3,617.3	0.00	0.00	0.00	
16,200.0	90.00	179.55	12,515.0	-3,711.9	243.2	3,717.3	0.00	0.00	0.00	
16,300.0	90.00	179.55	12,515.0	-3,811.9	244.0	3,817.3	0.00	0.00	0.00	
16,400.0	90.00	179.55	12,515.0	-3,911.9	244.8	3,917.2	0.00	0.00	0.00	
16,500.0	90.00	179.55	12,515.0	-4,011.9	245.6	4,017.2	0.00	0.00	0.00	
16,600.0	90.00	179.55	12,515.0	-4,111.9	246.4	4,117.2	0.00	0.00	0.00	
16,700.0	90.00	179.55	12,515.0	-4,211.9	247.2	4,217.2	0.00	0.00	0.00	
16,800.0	90.00	179.55	12,515.0	-4,311.9	247.9	4,317.2	0.00	0.00	0.00	
16,900.0	90.00	179.55	12,515.1	-4,411.9	248.7	4,417.1	0.00	0.00	0.00	
17,000.0	90.00	179.55	12,515.1	-4,511.8	249.5	4,517.1	0.00	0.00	0.00	
17,100.0	90.00	179.55	12,515.1	-4,611.8	250.3	4,617.1	0.00	0.00	0.00	
17,200.0	90.00	179.55	12,515.1	-4,711.8	251.1	4,717.1	0.00	0.00	0.00	
17,300.0	90.00	179.55	12,515.1	-4,811.8	251.9	4,817.1	0.00	0.00	0.00	
17,400.0	90.00	179.55	12,515.1	-4,911.8	252.7	4,917.0	0.00	0.00	0.00	
17,500.0	90.00	179.55	12,515.1	-5,011.8	253.5	5,017.0	0.00	0.00	0.00	
17,545.2	90.00	179.55	12,515.0	-5,057.0	253.0	5,062.1	0.00	0.00	0.00	
17,600.0	90.00	179.55	12,515.0	-5,111.8	253.4	5,117.0	0.00	0.00	0.00	
17,700.0	90.00	179.55	12,515.0	-5,211.8	254.2	5,217.0	0.00	0.00	0.00	
17,800.0	90.00	179.55	12,515.0	-5,311.8	255.0	5,316.9	0.00	0.00	0.00	
17,900.0	90.00	179.55	12,515.0	-5,411.8	255.8	5,416.9	0.00	0.00	0.00	
18,000.0	90.00	179.55	12,515.0	-5,511.8	256.6	5,516.9	0.00	0.00	0.00	
18,100.0	90.00	179.55	12,515.0	-5,611.8	257.3	5,616.9	0.00	0.00	0.00	
18,200.0	90.00	179.56	12,515.0	-5,711.8	258.1	5,716.8	0.00	0.00	0.00	
18,300.0	90.00	179.56	12,515.0	-5,811.8	258.9	5,816.8	0.00	0.00	0.00	
18,400.0	90.00	179.56	12,515.0	-5,911.8	259.7	5,916.8	0.00	0.00	0.00	



Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #701H
Company:	Midland	TVD Reference:	kb = 26' @ 3501.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3501.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,500.0	90.00	179.56	12,515.0	-6,011.8	260.4	6,016.8	0.00	0.00	0.00
18,600.0	90.00	179.56	12,515.0	-6,111.8	261.2	6,116.8	0.00	0.00	0.00
18,700.0	90.00	179.56	12,515.0	-6,211.8	262.0	6,216.7	0.00	0.00	0.00
18,800.0	90.00	179.56	12,515.0	-6,311.8	262.7	6,316.7	0.00	0.00	0.00
18,900.0	90.00	179.56	12,515.0	-6,411.8	263.5	6,416.7	0.00	0.00	0.00
19,000.0	90.00	179.57	12,515.0	-6,511.8	264.3	6,516.7	0.00	0.00	0.00
19,100.0	90.00	179.57	12,515.0	-6,611.8	265.0	6,616.7	0.00	0.00	0.00
19,200.0	90.00	179.57	12,515.0	-6,711.8	265.8	6,716.6	0.00	0.00	0.00
19,300.0	90.00	179.57	12,515.0	-6,811.8	266.5	6,816.6	0.00	0.00	0.00
19,400.0	90.00	179.57	12,515.0	-6,911.8	267.3	6,916.6	0.00	0.00	0.00
19,500.0	90.00	179.57	12,515.0	-7,011.8	268.0	7,016.6	0.00	0.00	0.00
19,600.0	90.00	179.57	12,515.0	-7,111.8	268.8	7,116.5	0.00	0.00	0.00
19,700.0	90.00	179.57	12,515.0	-7,211.8	269.5	7,216.5	0.00	0.00	0.00
19,800.0	90.00	179.58	12,515.0	-7,311.8	270.2	7,316.5	0.00	0.00	0.00
19,900.0	90.00	179.58	12,515.0	-7,411.8	271.0	7,416.5	0.00	0.00	0.00
20,000.0	90.00	179.58	12,515.0	-7,511.8	271.7	7,516.5	0.00	0.00	0.00
20,100.0	90.00	179.58	12,515.0	-7,611.8	272.5	7,616.4	0.00	0.00	0.00
20,200.0	90.00	179.58	12,515.0	-7,711.8	273.2	7,716.4	0.00	0.00	0.00
20,300.0	90.00	179.58	12,515.0	-7,811.8	273.9	7,816.4	0.00	0.00	0.00
20,400.0	90.00	179.58	12,515.0	-7,911.8	274.6	7,916.4	0.00	0.00	0.00
20,500.0	90.00	179.58	12,515.0	-8,011.8	275.4	8,016.3	0.00	0.00	0.00
20,600.0	90.00	179.59	12,515.0	-8,111.8	276.1	8,116.3	0.00	0.00	0.00
20,700.0	90.00	179.59	12,515.0	-8,211.7	276.8	8,216.3	0.00	0.00	0.00
20,800.0	90.00	179.59	12,515.0	-8,311.7	277.5	8,316.3	0.00	0.00	0.00
20,900.0	90.00	179.59	12,515.0	-8,411.7	278.3	8,416.3	0.00	0.00	0.00
21,000.0	90.00	179.59	12,515.0	-8,511.7	279.0	8,516.2	0.00	0.00	0.00
21,100.0	90.00	179.59	12,515.0	-8,611.7	279.7	8,616.2	0.00	0.00	0.00
21,200.0	90.00	179.59	12,515.0	-8,711.7	280.4	8,716.2	0.00	0.00	0.00
21,300.0	90.00	179.59	12,515.0	-8,811.7	281.1	8,816.2	0.00	0.00	0.00
21,400.0	90.00	179.60	12,515.0	-8,911.7	281.8	8,916.1	0.00	0.00	0.00
21,500.0	90.00	179.60	12,515.0	-9,011.7	282.5	9,016.1	0.00	0.00	0.00
21,600.0	90.00	179.60	12,515.0	-9,111.7	283.2	9,116.1	0.00	0.00	0.00
21,700.0	90.00	179.60	12,515.0	-9,211.7	283.9	9,216.1	0.00	0.00	0.00
21,800.0	90.00	179.60	12,515.0	-9,311.7	284.6	9,316.0	0.00	0.00	0.00
21,900.0	90.00	179.60	12,515.0	-9,411.7	285.3	9,416.0	0.00	0.00	0.00
22,000.0	90.00	179.60	12,515.0	-9,511.7	286.0	9,516.0	0.00	0.00	0.00
22,100.0	90.00	179.60	12,515.0	-9,611.7	286.7	9,616.0	0.00	0.00	0.00
22,200.0	90.00	179.61	12,515.0	-9,711.7	287.4	9,716.0	0.00	0.00	0.00
22,300.0	90.00	179.61	12,515.0	-9,811.7	288.1	9,815.9	0.00	0.00	0.00
22,400.0	90.00	179.61	12,515.0	-9,911.7	288.8	9,915.9	0.00	0.00	0.00
22,500.0	90.00	179.61	12,515.0	-10,011.7	289.5	10,015.9	0.00	0.00	0.00
22,600.0	90.00	179.61	12,515.0	-10,111.7	290.1	10,115.9	0.00	0.00	0.00
22,700.0	90.00	179.61	12,515.0	-10,211.7	290.8	10,215.8	0.00	0.00	0.00
22,726.3	90.00	179.61	12,515.0	-10,238.0	291.0	10,242.1	0.00	0.00	0.00

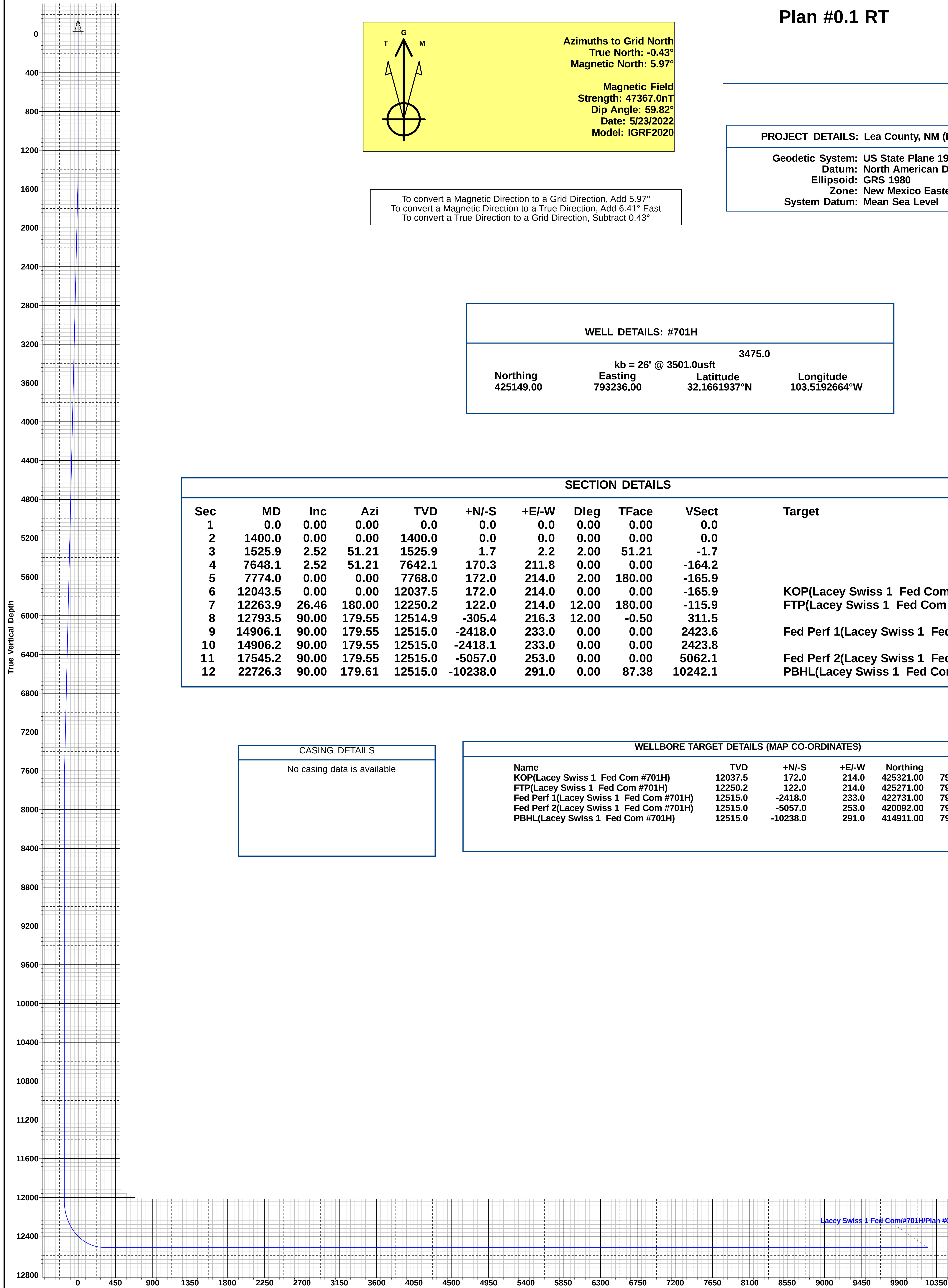


Planning Report



Database:	PEDM	Local Co-ordinate Reference:	Well #701H
Company:	Midland	TVD Reference:	kb = 26' @ 3501.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3501.0usft
Site:	Lacey Swiss 1 Fed Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
KOP(Lacey Swiss 1 Fed - plan hits target center - Point	0.00	0.00	12,037.5	172.0	214.0	425,321.00	793,450.00	32.1666620°N	103.5185706°W
FTP(Lacey Swiss 1 Fed - plan hits target center - Point	0.00	0.00	12,250.2	122.0	214.0	425,271.00	793,450.00	32.1665246°N	103.5185718°W
PBHL(Lacey Swiss 1 Fed - plan hits target center - Point	0.00	0.00	12,515.0	-10,238.0	291.0	414,911.00	793,527.00	32.1380468°N	103.5185764°W
Fed Perf 1(Lacey Swiss - plan hits target center - Point	0.00	0.00	12,515.0	-2,418.0	233.0	422,731.00	793,469.00	32.1595426°N	103.5185726°W
Fed Perf 2(Lacey Swiss - plan hits target center - Point	0.00	0.00	12,515.0	-5,057.0	253.0	420,092.00	793,489.00	32.1522885°N	103.5185725°W



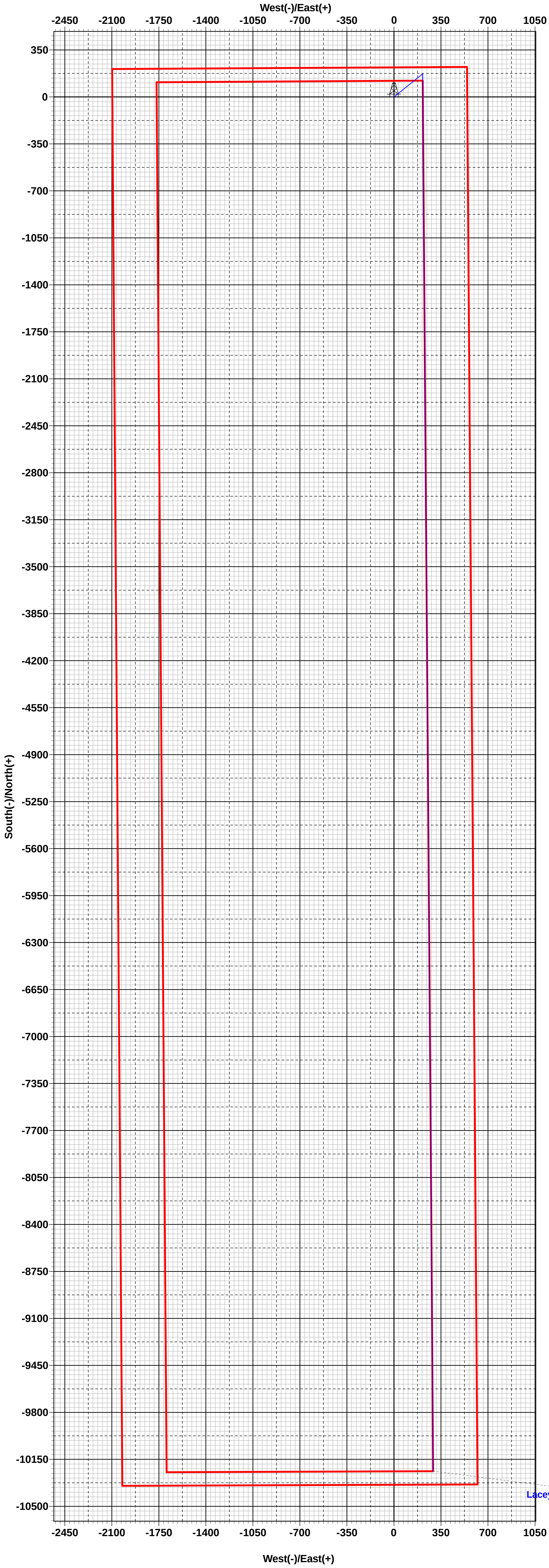
To convert a Magnetic Direction to a Grid Direction, Add 5.97°
To convert a Magnetic Direction to a True Direction, Add 6.41° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS: #701H			
3475.0			
kb = 26' @ 3501.0usft			
Northing	Easting	Latitude	Longitude
425149.00	793236.00	32.1661937°N	103.5192664°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	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1525.9	2.52	51.21	1525.9	1.7	2.2	2.00	51.21	-1.7	
4	7648.1	2.52	51.21	7642.1	170.3	211.8	0.00	0.00	-164.2	
5	7774.0	0.00	0.00	7768.0	172.0	214.0	2.00	180.00	-165.9	
6	12043.5	0.00	0.00	12037.5	172.0	214.0	0.00	0.00	-165.9	KOP(Lacey Swiss 1 Fed Com #701H)
7	12263.9	26.46	180.00	12250.2	122.0	214.0	12.00	180.00	-115.9	FTP(Lacey Swiss 1 Fed Com #701H)
8	12793.5	90.00	179.55	12514.9	-305.4	216.3	12.00	-0.50	311.5	
9	14906.1	90.00	179.55	12515.0	-2418.0	233.0	0.00	0.00	2423.6	Fed Perf 1(Lacey Swiss 1 Fed Com #701H)
10	14906.2	90.00	179.55	12515.0	-2418.1	233.0	0.00	0.00	2423.8	
11	17545.2	90.00	179.55	12515.0	-5057.0	253.0	0.00	0.00	5062.1	Fed Perf 2(Lacey Swiss 1 Fed Com #701H)
12	22726.3	90.00	179.61	12515.0	-10238.0	291.0	0.00	87.38	10242.1	PBHL(Lacey Swiss 1 Fed Com #701H)

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)					
Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Lacey Swiss 1 Fed Com #701H)	12037.5	172.0	214.0	425321.00	793450.00
FTP(Lacey Swiss 1 Fed Com #701H)	12250.2	122.0	214.0	425271.00	793450.00
Fed Perf 1(Lacey Swiss 1 Fed Com #701H)	12515.0	-2418.0	233.0	422731.00	793469.00
Fed Perf 2(Lacey Swiss 1 Fed Com #701H)	12515.0	-5057.0	253.0	420092.00	793489.00
PBHL(Lacey Swiss 1 Fed Com #701H)	12515.0	-10238.0	291.0	414911.00	793527.00



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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 119593

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 119593
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	7/25/2022