

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources



Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office
MAR 10 2008
OCD-ARTESIA
☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Chesapeake Operating Inc. 2010 Rankin Hwy Midland, TX 79701		² OGRID Number 147179
³ Property Code 370060	⁵ Property Name HIGH CHICAGO 12 STATE	⁴ APL Number 30-015-36223
⁹ Proposed Pool 1 13365 Corral Canyon, Delaware, West		⁶ Well No. 1H
¹⁰ Proposed Pool 2		

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Westline	County
P	12	25S	29E		400	SOUTH	350	EAST	EDDY

⁸ Proposed Bottom 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/Westline	County
A	12	25S	29E		350	NORTH	350	EAST	EDDY

Additional Well Information

¹¹ Work Type Code NEW	¹² Well Type Code OIL	¹³ Cable/Rotary R	¹⁴ Lease Type Code STATE	¹⁵ Ground Level Elevation 3155 GR
¹⁶ Multiple	¹⁷ Proposed Depth 8350	¹⁸ Formation DELAWARE	¹⁹ Contractor	²⁰ Spud Date 03/15/2008
Depth to Groundwater 40		Distance from nearest fresh water well 1000		Distance from nearest surface water 1000
Pit. Liner: Synthetic ☒ 12 mil thick Clay ☐ Pit Volume: 12129 bbls Drilling Method: Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				
Closed-Loop System ☐				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48	650	600 sx CL C	SURFACE
12 1/4	9 5/8	40	3400	1300 sx CL C	350
8 3/4	5 1/2	17	8350	1600 sx CL H	3400

²² Describe the proposed program If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary
13 3/8 48# H-40 ST&C surf csg set @ 650 w/600 sx CL C cmt, 1.34 yld. 9 5/8 40# J-55 LT&C Inter csg set @ 3400 w/900 sx 50:50 Poz C, tail in w/400 sx CL C, 1.25 yld. 5 1/2 17# P-110 LT&C prod csg set @ 8350 w/1600 sx CL H, 1.57 yld.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ , a general permit ☐ , or an (attached) alternative OCD-approved plan ☐ .		OIL CONSERVATION DIVISION	
Printed name. Shay Stricklin		Approved by Jim W. Grom	
Title: Regulatory Tech.		Title: District II Supervisor	
E-mail Address: sstricklin@chkenegy.com		Approval Date: 3/26/08 Expiration Date: 3/26/10	
Date: 03/05/2008	Phone: (432)687-2992	Conditions of Approval Attached ☐	

DISTRICT I

1625 N. FRANKLIN DR., ROSA NM 86240

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 E. GRAND AVENUE, ALBUQUERQUE, NM 80210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III

1000 Rio Grande Rd., ALBUQUERQUE, NM 87410

DISTRICT IV

1820 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36223	Pool Code 13365	Pool Name Corral Canyon, Delaware, West
Property Code 37066	Property Name HIGH CHICAGO 12 STATE	Well Number 1H
GRID No. 147179	Operator Name CHESAPEAKE OPERATING, INC.	Elevation 3155'

Surface Location

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	29-E		400	SOUTH	350	EAST	EDDY

Bottom 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
A	12	25-S	29-E		350	NORTH	350	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

Project Area Producing Area BOTTOM HOLE LOCATION Y=418870.1 N X=624801.2 E GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=414312.1 N X=624821.7 E LAT.=32.138418° N LONG.=103.930070° W GRID AZ = 359°44'27" HORIZ. DIST. = 4559.2' P.D. = Penetration Point	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the court. <i>Craig Barnard</i> Signature Date 3/6/08 CRAIG BARNARD Printed Name SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. DATE SURVEYED FEBRUARY 24, 2008 SIGNATURE & SEAL OF PROFESSIONAL SURVEYOR RONALD J. EIDSON Certificate No. 32339 12841
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DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 86210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

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UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	12	25-S	29-E		350	NORTH	350	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

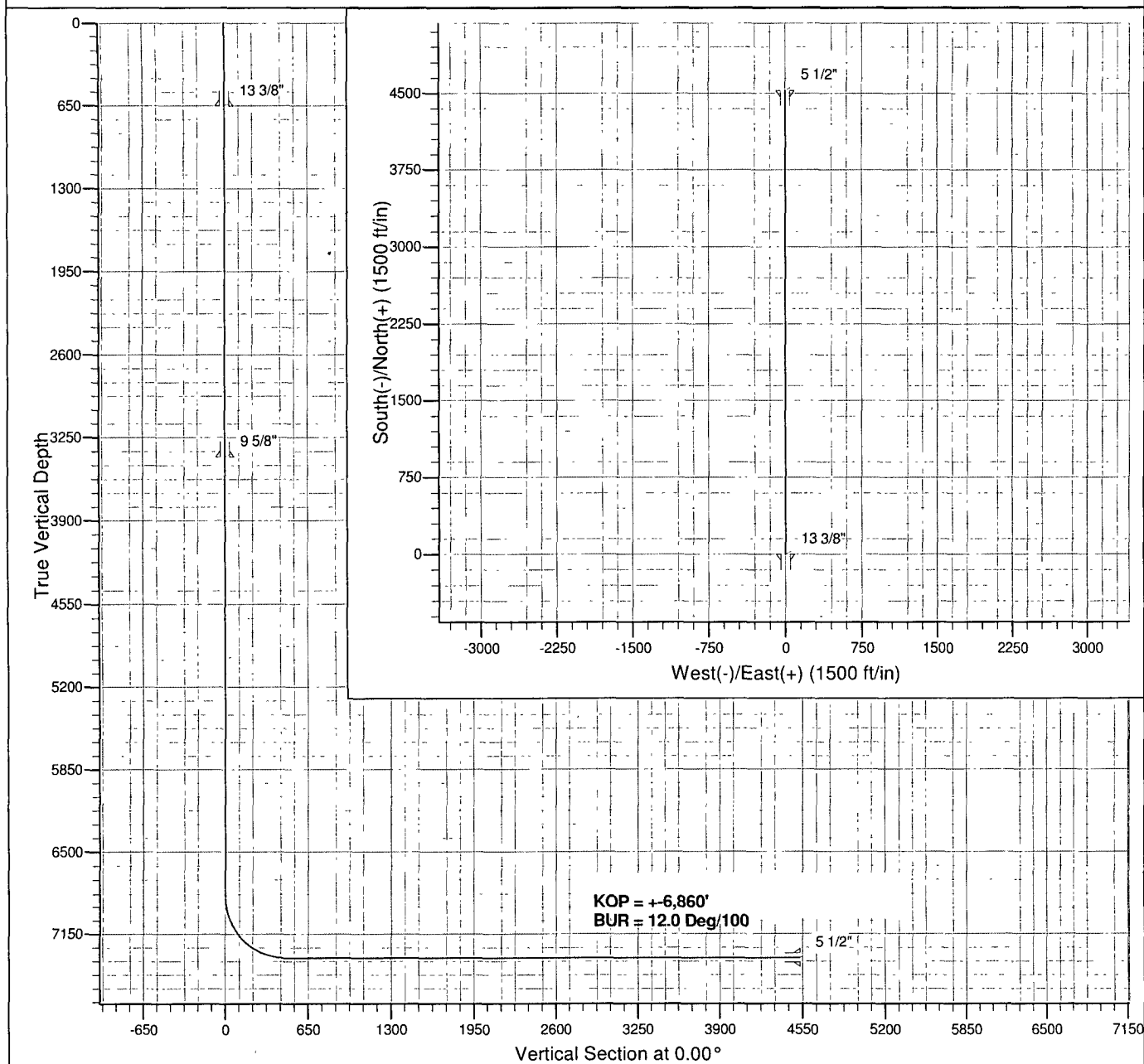
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

BOTTOM HOLE LOCATION Y=418870.1 N X=624801.2 E GRID. AZ. = 359°44'27" HORIZ. DIST. = 4559.2' GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=414312.1 N X=624821.7 E LAT. = 32 138418" N LONG. = 103.930070" W	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Craig Barnard</i> 3/6/08 Signature Date CRAIG BARNARD Printed Name SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. FEBRUARY 29, 2008 Date Surveyed Signature & Seal of Professional Surveyor 3239 3/6/08 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239
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Chesapeake Operating Inc. High Chicago 12 State 1H

County: Eddy, NM

Section 12-25S-29E



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	6860.0	0.00	0.00	6860.0	0.0	0.0	0.00	0.00	0.0	
3	7610.8	90.00	0.00	7338.0	478.0	0.0	11.99	0.00	478.0	
4	11662.0	90.00	0.00	7338.0	4529.2	0.0	0.00	0.00	4529.2	

Permian District

NM - Eddy - Morrow Project

High Chicago 12 State 1H

Well #1

Wellbore #1

Plan: Plan #1

Standard Planning Report

03 March, 2008

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	RKB @ 3168.0ft
Project:	NM - Eddy - Morrow Project	MD Reference:	RKB @ 3168 0ft
Site:	High Chicago 12 State 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project:	NM - Eddy - Morrow Project		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	High Chicago 12 State 1H		
Site Position:		Northing:	ft
From:	None	Easting:	ft
Position Uncertainty:	ft	Slot Radius:	in
		Latitude:	
		Longitude:	
		Grid Convergence:	0.00 °

Well:	Well #1		
Well Position	+N/-S	0.0 ft	Northing: 0.00 ft
	+E/-W	0.0 ft	Easting: 0.00 ft
Position Uncertainty	ft	Wellhead Elevation:	ft
		Latitude:	30° 59' 24.51165130 N
		Longitude:	105° 55' 44.13731823 W
		Ground Level:	3,150.0 ft

Wellbore:	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	Dip Angle	Field Strength	
	(°)	(nT)	
	User Defined	2/22/2008	0.00
			0.00
			0

Design:	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			0.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
6,860.0	0.00	0.00	6,860.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,610.8	90.00	0.00	7,338.0	478.0	0.0	11.99	11.99	0.00	0.00	
11,662.0	90.00	0.00	7,338.0	4,529.2	0.0	0.00	0.00	0.00	0.00	

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	RKB @ 3168.0ft
Project:	NM - Eddy - Morrow Project	MD Reference:	RKB @ 3168 0ft
Site:	High Chicago 12 State 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
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	
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00	
13 3/8"										
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	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
9 5/8"										
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00	

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	RKB @ 3168.0ft
Project:	NM - Eddy - Morrow Project	MD Reference:	RKB @ 3168.0ft
Site:	High Chicago 12 State 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,860.0	0.00	0.00	6,860.0	0.0	0.0	0.0	0.00	0.00	0.00	
6,900.0	4.79	0.00	6,900.0	1.7	0.0	1.7	11.99	11.99	0.00	
7,000.0	16.78	0.00	6,998.0	20.4	0.0	20.4	11.99	11.99	0.00	
7,100.0	28.77	0.00	7,090.0	59.0	0.0	59.0	11.99	11.99	0.00	
7,200.0	40.75	0.00	7,172.0	115.9	0.0	115.9	11.99	11.99	0.00	
7,300.0	52.74	0.00	7,240.4	188.6	0.0	188.6	11.99	11.99	0.00	
7,400.0	64.73	0.00	7,292.2	273.9	0.0	273.9	11.99	11.99	0.00	
7,500.0	76.71	0.00	7,325.2	368.2	0.0	368.2	11.99	11.99	0.00	
7,600.0	88.70	0.00	7,337.9	467.2	0.0	467.2	11.99	11.99	0.00	
7,610.8	90.00	0.00	7,338.0	478.0	0.0	478.0	11.99	11.99	0.00	
7,700.0	90.00	0.00	7,338.0	567.2	0.0	567.2	0.00	0.00	0.00	
7,800.0	90.00	0.00	7,338.0	667.2	0.0	667.2	0.00	0.00	0.00	
7,900.0	90.00	0.00	7,338.0	767.2	0.0	767.2	0.00	0.00	0.00	
8,000.0	90.00	0.00	7,338.0	867.2	0.0	867.2	0.00	0.00	0.00	
8,100.0	90.00	0.00	7,338.0	967.2	0.0	967.2	0.00	0.00	0.00	
8,200.0	90.00	0.00	7,338.0	1,067.2	0.0	1,067.2	0.00	0.00	0.00	
8,300.0	90.00	0.00	7,338.0	1,167.2	0.0	1,167.2	0.00	0.00	0.00	
8,400.0	90.00	0.00	7,338.0	1,267.2	0.0	1,267.2	0.00	0.00	0.00	
8,500.0	90.00	0.00	7,338.0	1,367.2	0.0	1,367.2	0.00	0.00	0.00	
8,600.0	90.00	0.00	7,338.0	1,467.2	0.0	1,467.2	0.00	0.00	0.00	
8,700.0	90.00	0.00	7,338.0	1,567.2	0.0	1,567.2	0.00	0.00	0.00	
8,800.0	90.00	0.00	7,338.0	1,667.2	0.0	1,667.2	0.00	0.00	0.00	
8,900.0	90.00	0.00	7,338.0	1,767.2	0.0	1,767.2	0.00	0.00	0.00	
9,000.0	90.00	0.00	7,338.0	1,867.2	0.0	1,867.2	0.00	0.00	0.00	
9,100.0	90.00	0.00	7,338.0	1,967.2	0.0	1,967.2	0.00	0.00	0.00	
9,200.0	90.00	0.00	7,338.0	2,067.2	0.0	2,067.2	0.00	0.00	0.00	
9,300.0	90.00	0.00	7,338.0	2,167.2	0.0	2,167.2	0.00	0.00	0.00	
9,400.0	90.00	0.00	7,338.0	2,267.2	0.0	2,267.2	0.00	0.00	0.00	
9,500.0	90.00	0.00	7,338.0	2,367.2	0.0	2,367.2	0.00	0.00	0.00	
9,600.0	90.00	0.00	7,338.0	2,467.2	0.0	2,467.2	0.00	0.00	0.00	
9,700.0	90.00	0.00	7,338.0	2,567.2	0.0	2,567.2	0.00	0.00	0.00	
9,800.0	90.00	0.00	7,338.0	2,667.2	0.0	2,667.2	0.00	0.00	0.00	
9,900.0	90.00	0.00	7,338.0	2,767.2	0.0	2,767.2	0.00	0.00	0.00	
10,000.0	90.00	0.00	7,338.0	2,867.2	0.0	2,867.2	0.00	0.00	0.00	
10,100.0	90.00	0.00	7,338.0	2,967.2	0.0	2,967.2	0.00	0.00	0.00	

Planning Report

Database:	Drilling Database	Local Co-ordinate Reference:	Well Well #1
Company:	Permian District	TVD Reference:	RKB @ 3168.0ft
Project:	NM - Eddy - Morrow Project	MD Reference:	RKB @ 3168.0ft
Site:	High Chicago 12 State 1H	North Reference:	True
Well:	Well #1	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,200.0	90.00	0.00	7,338.0	3,067.2	0.0	3,067.2	0.00	0.00	0.00
10,300.0	90.00	0.00	7,338.0	3,167.2	0.0	3,167.2	0.00	0.00	0.00
10,400.0	90.00	0.00	7,338.0	3,267.2	0.0	3,267.2	0.00	0.00	0.00
10,500.0	90.00	0.00	7,338.0	3,367.2	0.0	3,367.2	0.00	0.00	0.00
10,600.0	90.00	0.00	7,338.0	3,467.2	0.0	3,467.2	0.00	0.00	0.00
10,700.0	90.00	0.00	7,338.0	3,567.2	0.0	3,567.2	0.00	0.00	0.00
10,800.0	90.00	0.00	7,338.0	3,667.2	0.0	3,667.2	0.00	0.00	0.00
10,900.0	90.00	0.00	7,338.0	3,767.2	0.0	3,767.2	0.00	0.00	0.00
11,000.0	90.00	0.00	7,338.0	3,867.2	0.0	3,867.2	0.00	0.00	0.00
11,100.0	90.00	0.00	7,338.0	3,967.2	0.0	3,967.2	0.00	0.00	0.00
11,200.0	90.00	0.00	7,338.0	4,067.2	0.0	4,067.2	0.00	0.00	0.00
11,300.0	90.00	0.00	7,338.0	4,167.2	0.0	4,167.2	0.00	0.00	0.00
11,400.0	90.00	0.00	7,338.0	4,267.2	0.0	4,267.2	0.00	0.00	0.00
11,500.0	90.00	0.00	7,338.0	4,367.2	0.0	4,367.2	0.00	0.00	0.00
11,600.0	90.00	0.00	7,338.0	4,467.2	0.0	4,467.2	0.00	0.00	0.00
11,662.0	90.00	0.00	7,338.0	4,529.2	0.0	4,529.2	0.00	0.00	0.00
5 1/2"									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
650.0	650.0	13 3/8"	13.375	17.500
3,400.0	3,400.0	9 5/8"	9.625	12.250
11,662.0	7,338.0	5 1/2"	5.500	8.750