

DATE IN <u>11-10-9</u>	SUSPENSE	ENGINEER <u>Brooks</u>	LOGGED IN <u>11-10-9</u>	TYPE <u>NSL</u>	PTG-W APP NO. <u>0931429205</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



Mexbourne

Pierce Crossing 36 #2

ADMINISTRATIVE APPLICATION CHECKLIST 30-05-37379

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] ☒ Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] ☐ Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] ☐ Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] ☐ Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce
 P.O. Box 1056
 Santa Fe, New Mexico 87504

Signature

Attorney for Applicant

Title

Date

jamesbruc@aol.com
 e-mail Address

RECEIVED OGD
 2009 NOV - 9 P 4: 19

11/9/09

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

November 9, 2009

Mark E. Fesmire, P.E.
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Fesmire:

Pursuant to NMAC 19.15.15.13, Mewbourne Oil Company applies for approval of an unorthodox oil well location for the following well:

<u>Well:</u>	Pierce Crossing 36 State Well No. 2
<u>Surface location:</u>	180 feet FNL & 2300 feet FWL
<u>Bottom hole location:</u>	330 feet FSL & 2210 feet FWL
<u>Well unit (project area):</u>	E½W½ of Section 36, Township 24 South, Range 29 East, N.M.P.M., Eddy County, New Mexico

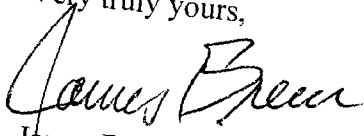
The well will be drilled to a depth sufficient to test the Northwest Corral Canyon-Delaware Pool. The pool is spaced on statewide rules, with 40 acre spacing, and wells to be located no closer than 330 feet to a quarter-quarter section line. A Form C-102 is attached as **Exhibit A**.

Although the well penetrates the top of the Delaware formation at the unorthodox surface location, the wellbore penetrates the productive zone (the Cherry Canyon) at an orthodox location (approximately 735 feet FNL). **Exhibits B, C, and D**. The unorthodox surface location is due to placing it such that the wellbore will penetrate the producing zone as far north as possible, which will increase the productive length of the wellbore.

Due to the well's directional plan, the entry point in the Delaware encroaches on the S½S½ of Section 25. That acreage is covered by Federal Lease NM 59306. **Exhibit E**. Notice of the application has been given to the offset working interest owners. **Exhibit F**.

Please contact me if you need any further information on this application.

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

DISTRICT I

1826 N. French Dr., Hobbs, NM 88240

DISTRICT II

1801 W. Grand Avenue, Artesia, NM 88210

DISTRICT III

1000 Rio Bratos Rd., Aztec, NM 87410

DISTRICT IV

1820 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505Form C-102
Revised October 12, 2005Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name <i>NW Corral Canyon Delaware</i>
Property Code	Property Name PIERCE CROSSING "36" STATE	Well Number 2H
GRID No. 14744 ✓	Operator Name MEWBOURNE OIL COMPANY	Elevation 3103'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	24 S	29 E		180	NORTH	2300	WEST	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
N	36	24 S	29 E		330	SOUTH	2210	WEST	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

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or released mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Jackie Lathan</i> 10/20/09 Signature Date Jackie Lathan Printed Name
	SURVEYOR CERTIFICATION I hereby certify that the well location shown this plat was plotted from field notes of all surveys made by me or under my direction and that the same is true and correct to the best of my belief. EXHIBIT <i>A</i>

Date Surveyed
Signature & Seal of Professional Surveyor

Certificate No. Gary L. Jones 7977

BASIN SURVEYS

Mewbourne Oil Co

Eddy, New Mexico

Sec 36 24S,29E

Pierce Crossing "36" State #2H

Wellbore #1

Plan: Design #2

DDC Well Planning Report

03 November, 2009

EXHIBIT

13



DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Pierce Crossing "36" State #2H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Site:	Sec 36 24S,29E	North Reference:	Grid
Well:	Pierce Crossing "36" State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Project	Eddy, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Sec 36 24S,29E		
Site Position:		Northing:	429,609.84 usft
From:	Map	Easting:	622,066.24 usft
Position Uncertainty:	0.0 usft	Slot Radius:	0 "
		Latitude:	32° 10' 49.797 N
		Longitude:	103° 56' 19.648 W
		Grid Convergence:	0.21 °

Well	Pierce Crossing "36" State #2H		
Well Position	+N/-S	0.0 usft	Northing: 429,609.84 usft
	+E/-W	0.0 usft	Easting: 622,066.24 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 10' 49.797 N
			Longitude: 103° 56' 19.648 W
			Ground Level: 3,102.0 usft

Wellbore	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	10/7/2009	7.94	60.14	48,750

Design	Design #2		
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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	181.60

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	
4,852.0	0.00	0.00	4,852.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,751.3	89.93	181.60	5,425.0	-572.0	-16.0	10.00	10.00	-19.84	181.60	
9,965.3	89.93	181.60	5,430.0	-4,784.4	-133.9	0.00	0.00	0.00	0.00	PBHL Pierce Cross

DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Pierce Crossing "36" State #2H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Site:	Sec 36 24S,29E	North Reference:	Grid
Well:	Pierce Crossing "36" State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey									
Measured Depth (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	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
Top of Delaware @ 180° FNL / 2300' FWL - Top of Delaware									
3,320.0	0.00	0.00	3,320.0	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
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
Build 10° / 100' @ 4852' MD / 181.60° AZM									
4,852.0	0.00	0.00	4,852.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	4.80	181.60	4,899.9	-2.0	-0.1	2.0	10.00	10.00	0.00

DDC

Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Pierce Crossing "36" State #2H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Site:	Sec 36 24S,29E	North Reference:	Grid
Well:	Pierce Crossing "36" State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.0	14.80	181.60	4,998.4	-19.0	-0.5	19.0	10.00	10.00	0.00
5,100.0	24.80	181.60	5,092.3	-52.8	-1.5	52.8	10.00	10.00	0.00
5,200.0	34.80	181.60	5,179.0	-102.4	-2.9	102.5	10.00	10.00	0.00
5,300.0	44.80	181.60	5,255.7	-166.3	-4.7	166.4	10.00	10.00	0.00
5,400.0	54.80	181.60	5,320.2	-242.6	-6.8	242.7	10.00	10.00	0.00
5,500.0	64.80	181.60	5,370.4	-328.9	-9.2	329.0	10.00	10.00	0.00
5,600.0	74.80	181.60	5,404.9	-422.6	-11.8	422.7	10.00	10.00	0.00
5,700.0	84.80	181.60	5,422.6	-520.8	-14.6	521.0	10.00	10.00	0.00
Top of Cherry Canyon									
5,734.1	88.21	181.60	5,424.7	-554.8	-15.5	555.1	10.00	10.00	0.00
Top of Cherry Canyon @ 735.71' FNL / 2289.59' FWL									
5,734.8	88.28	181.60	5,424.7	-555.6	-15.5	555.8	10.00	10.00	0.00
EOC @ 5751' MD / 89.93° INC / 5425' TVD									
5,751.3	89.93	181.60	5,425.0	-572.0	-16.0	572.3	10.00	10.00	0.00
5,800.0	89.93	181.60	5,425.0	-620.7	-17.4	621.0	0.00	0.00	0.00
5,900.0	89.93	181.60	5,425.1	-720.7	-20.2	721.0	0.00	0.00	0.00
6,000.0	89.93	181.60	5,425.3	-820.6	-23.0	821.0	0.00	0.00	0.00
6,100.0	89.93	181.60	5,425.4	-920.6	-25.8	921.0	0.00	0.00	0.00
6,200.0	89.93	181.60	5,425.5	-1,020.6	-28.6	1,021.0	0.00	0.00	0.00
6,300.0	89.93	181.60	5,425.6	-1,120.5	-31.4	1,121.0	0.00	0.00	0.00
6,400.0	89.93	181.60	5,425.7	-1,220.5	-34.2	1,221.0	0.00	0.00	0.00
6,500.0	89.93	181.60	5,425.9	-1,320.4	-37.0	1,321.0	0.00	0.00	0.00
6,600.0	89.93	181.60	5,426.0	-1,420.4	-39.7	1,421.0	0.00	0.00	0.00
6,700.0	89.93	181.60	5,426.1	-1,520.4	-42.5	1,521.0	0.00	0.00	0.00
6,800.0	89.93	181.60	5,426.2	-1,620.3	-45.3	1,621.0	0.00	0.00	0.00
6,900.0	89.93	181.60	5,426.3	-1,720.3	-48.1	1,721.0	0.00	0.00	0.00
7,000.0	89.93	181.60	5,426.5	-1,820.2	-50.9	1,821.0	0.00	0.00	0.00
7,100.0	89.93	181.60	5,426.6	-1,920.2	-53.7	1,921.0	0.00	0.00	0.00
7,200.0	89.93	181.60	5,426.7	-2,020.2	-56.5	2,021.0	0.00	0.00	0.00
7,300.0	89.93	181.60	5,426.8	-2,120.1	-59.3	2,121.0	0.00	0.00	0.00
7,400.0	89.93	181.60	5,426.9	-2,220.1	-62.1	2,221.0	0.00	0.00	0.00
7,500.0	89.93	181.60	5,427.0	-2,320.0	-64.9	2,321.0	0.00	0.00	0.00
7,600.0	89.93	181.60	5,427.2	-2,420.0	-67.7	2,421.0	0.00	0.00	0.00
7,700.0	89.93	181.60	5,427.3	-2,520.0	-70.5	2,521.0	0.00	0.00	0.00
7,800.0	89.93	181.60	5,427.4	-2,619.9	-73.3	2,621.0	0.00	0.00	0.00
7,900.0	89.93	181.60	5,427.5	-2,719.9	-76.1	2,721.0	0.00	0.00	0.00
8,000.0	89.93	181.60	5,427.6	-2,819.9	-78.9	2,821.0	0.00	0.00	0.00
8,100.0	89.93	181.60	5,427.8	-2,919.8	-81.7	2,921.0	0.00	0.00	0.00
8,200.0	89.93	181.60	5,427.9	-3,019.8	-84.5	3,021.0	0.00	0.00	0.00
8,300.0	89.93	181.60	5,428.0	-3,119.7	-87.3	3,121.0	0.00	0.00	0.00
8,400.0	89.93	181.60	5,428.1	-3,219.7	-90.1	3,221.0	0.00	0.00	0.00
8,500.0	89.93	181.60	5,428.2	-3,319.7	-92.9	3,321.0	0.00	0.00	0.00
8,600.0	89.93	181.60	5,428.4	-3,419.6	-95.7	3,421.0	0.00	0.00	0.00
8,700.0	89.93	181.60	5,428.5	-3,519.6	-98.5	3,521.0	0.00	0.00	0.00
8,800.0	89.93	181.60	5,428.6	-3,619.5	-101.3	3,621.0	0.00	0.00	0.00
8,900.0	89.93	181.60	5,428.7	-3,719.5	-104.1	3,721.0	0.00	0.00	0.00
9,000.0	89.93	181.60	5,428.8	-3,819.5	-106.9	3,821.0	0.00	0.00	0.00
9,100.0	89.93	181.60	5,429.0	-3,919.4	-109.7	3,921.0	0.00	0.00	0.00
9,200.0	89.93	181.60	5,429.1	-4,019.4	-112.5	4,021.0	0.00	0.00	0.00
9,300.0	89.93	181.60	5,429.2	-4,119.3	-115.3	4,121.0	0.00	0.00	0.00
9,400.0	89.93	181.60	5,429.3	-4,219.3	-118.1	4,221.0	0.00	0.00	0.00
9,500.0	89.93	181.60	5,429.4	-4,319.3	-120.9	4,321.0	0.00	0.00	0.00
9,600.0	89.93	181.60	5,429.6	-4,419.2	-123.7	4,421.0	0.00	0.00	0.00

DDC

Well Planning Report



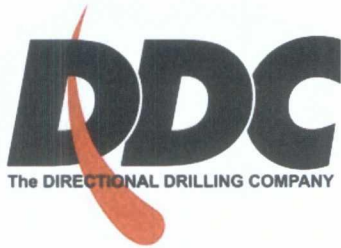
Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Pierce Crossing "36" State #2H
Company:	Mewbourne Oil Co	TVD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Project:	Eddy, New Mexico	MD Reference:	WELL @ 3120.0usft (Patterson UTI #45)
Site:	Sec 36 24S,29E	North Reference:	Grid
Well:	Pierce Crossing "36" State #2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,700.0	89.93	181.60	5,429.7	-4,519.2	-126.5	4,521.0	0.00	0.00	0.00
9,800.0	89.93	181.60	5,429.8	-4,619.1	-129.3	4,621.0	0.00	0.00	0.00
9,900.0	89.93	181.60	5,429.9	-4,719.1	-132.1	4,721.0	0.00	0.00	0.00
TD @ 9965' MD / 5430' TVD									
9,965.3	89.93	181.60	5,430.0	-4,784.4	-133.9	4,786.3	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TD @ 9965' MD / 543	0.00	0.00	5,430.0	-4,784.4	-133.9	424,825.44	621,932.34	32° 10' 2.454 N	103° 56' 21.410 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									
PBHL Pierce Crossing	0.00	0.00	5,430.0	-4,784.4	-133.9	424,825.46	621,932.36	32° 10' 2.454 N	103° 56' 21.409 W
- plan hits target center									
- Rectangle (sides W0.0 H0.0 D0.0)									
Surface Location Pier	0.00	180.50	6,600.0	90.0	0.0	429,699.84	622,066.24	32° 10' 50.688 N	103° 56' 19.644 W
- plan misses target center by 1296.7usft at 5531.4usft MD (5383.0 TVD, -357.6 N, -10.0 E)									
- Rectangle (sides W100.0 H180.0 D7,000.0)									

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,320.0	3,320.0	Top of Delaware		0.07	181.60
5,734.1	5,424.7	Top of Cherry Canyon		0.07	181.60

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
3,320.0	3,320.0	0.0	0.0	Top of Delaware @ 180' FNL / 2300' FWL
4,852.0	4,852.0	0.0	0.0	Build 10° / 100' @ 4852' MD / 181.60° AZM
5,734.8	5,424.7	-555.6	-15.5	Top of Cherry Canyon @ 735.71' FNL / 2289.59' FWL
5,751.3	5,425.0	-572.0	-16.0	EOC @ 5751' MD / 89.93° INC / 5425' TVD
9,965.3	5,430.0	-4,784.4	-133.9	TD @ 9965' MD / 5430' TVD

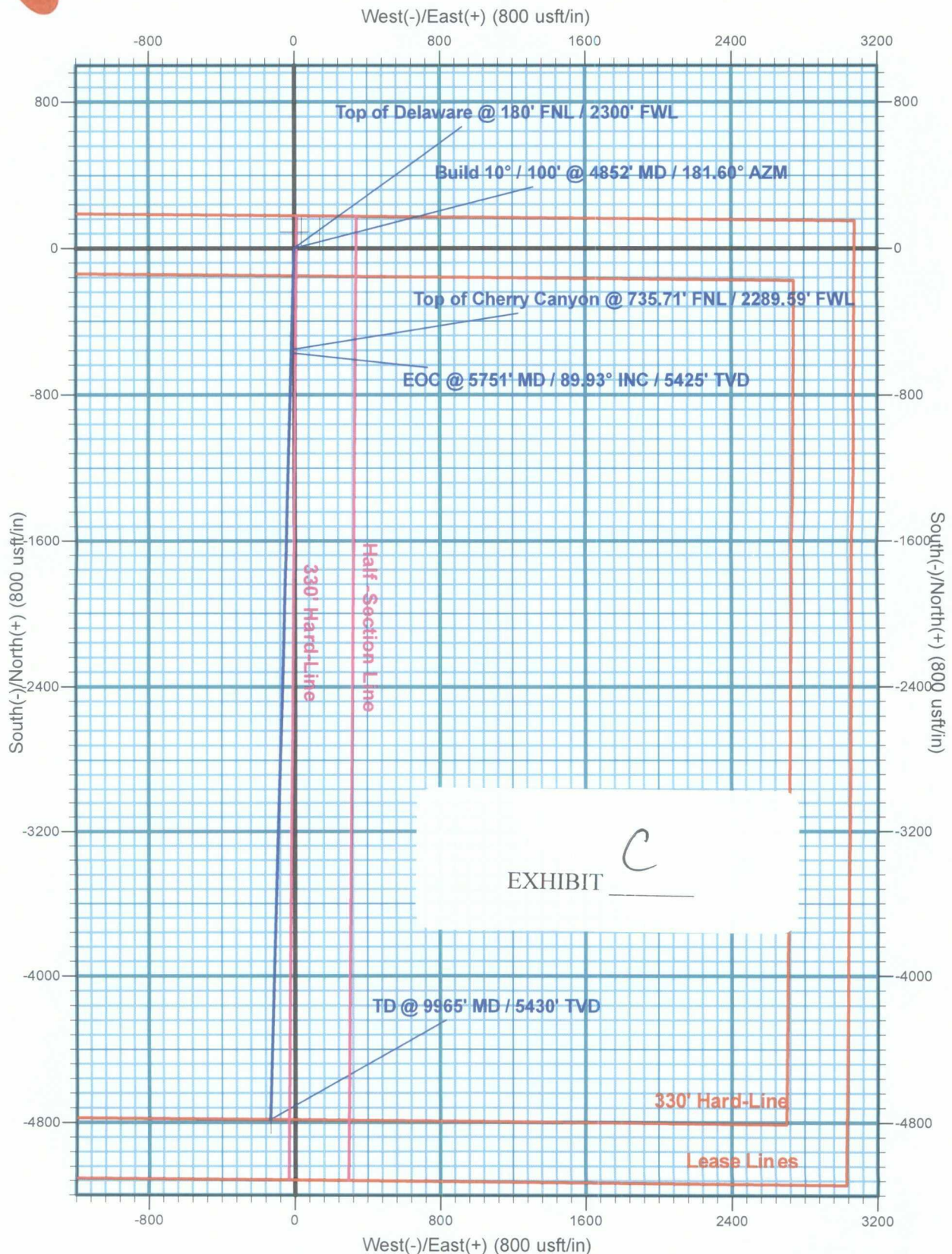


MEWBOURNE OIL COMPANY

Pierce Crossing "36" State #2H

Eddy, New Mexico

Quote 090340

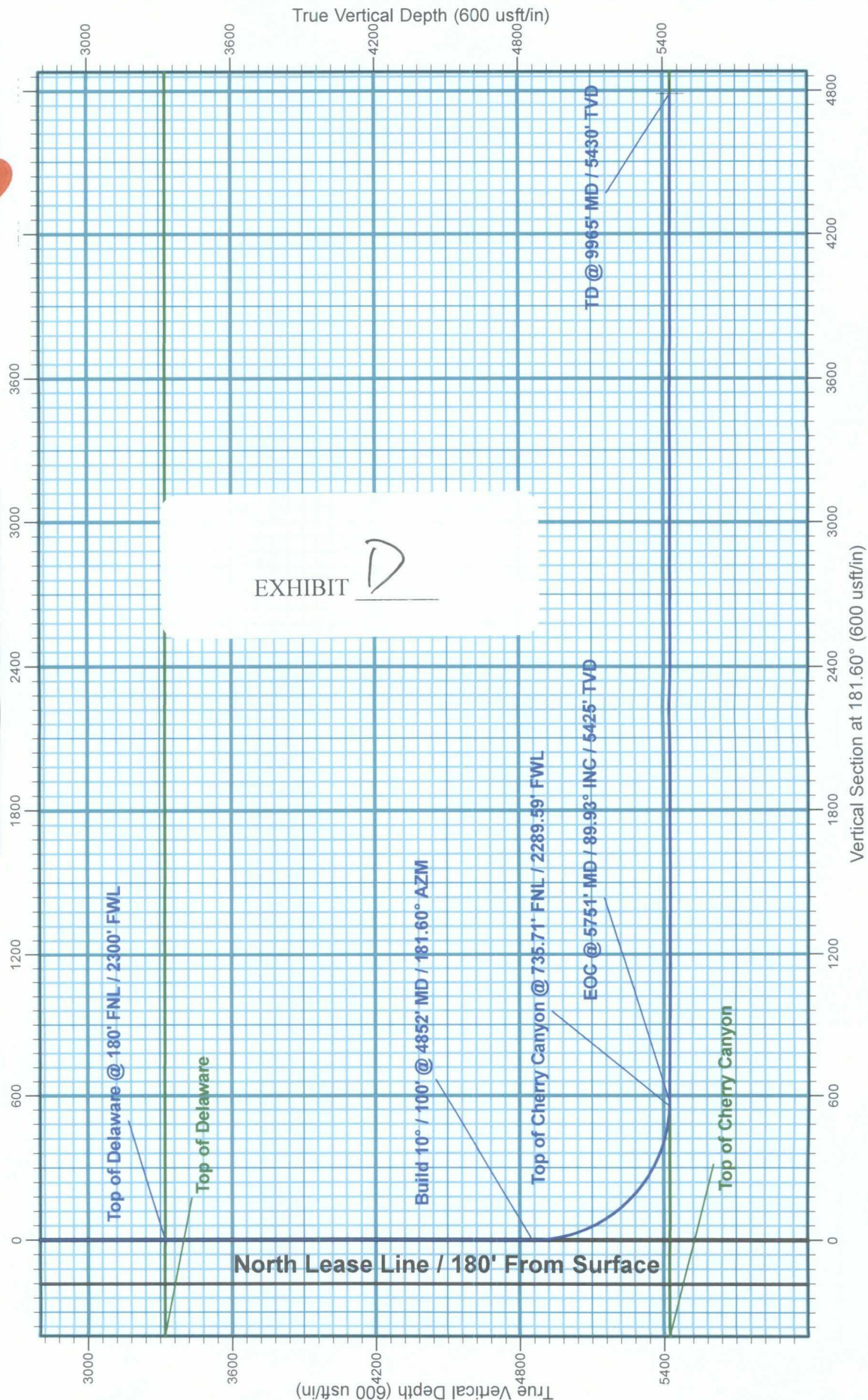


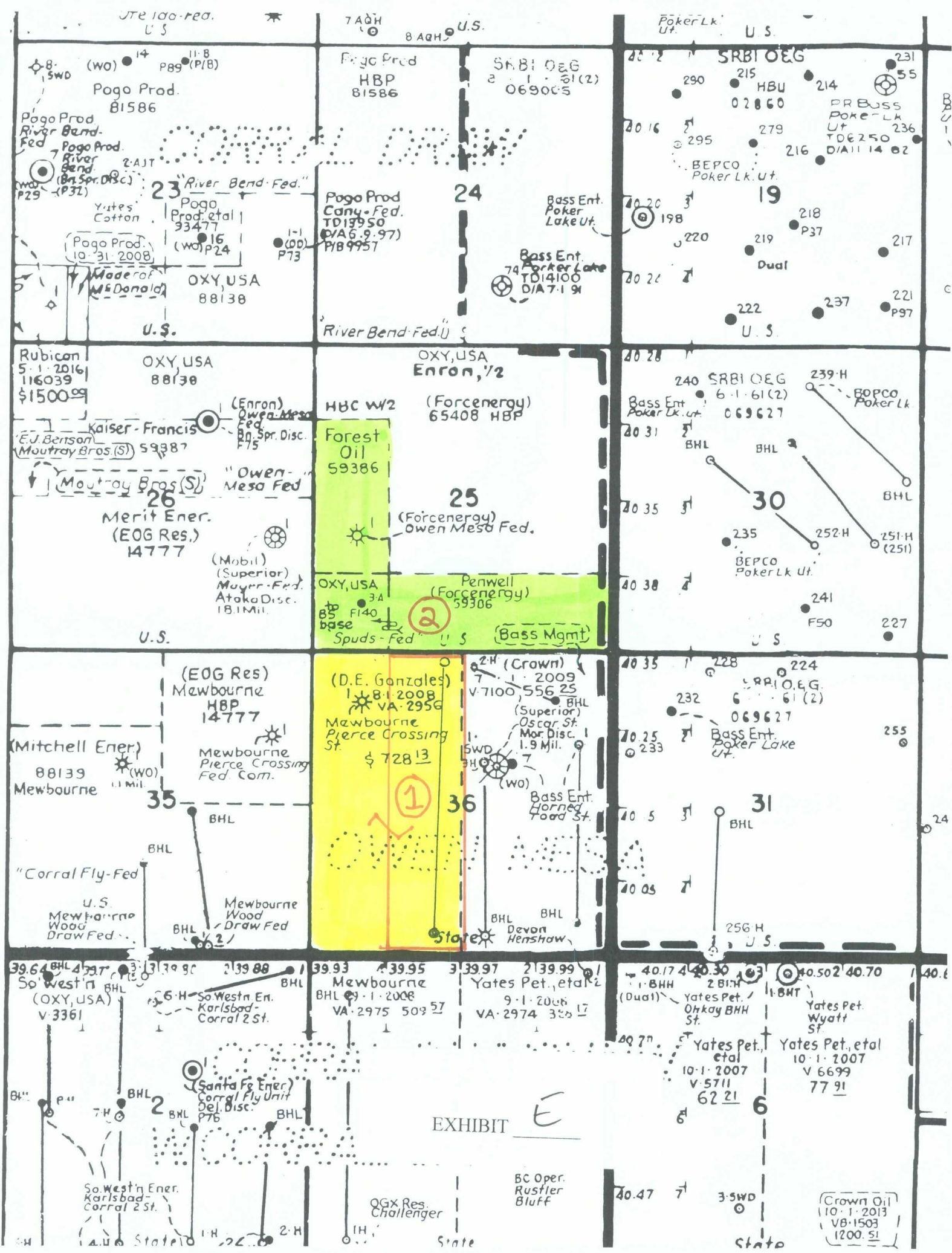
MEWBOURNE OIL COMPANY

Pierce Crossing "36" State #2H

Eddy, New Mexico

Quote 090340





TRACT OWNERSHIP

Pierce Crossing "36" State #2-H Well
E/2W/2 of Section 36, T-24-S, R-29-E
Eddy County, New Mexico

1. State of New Mexico Oil and Gas Lease VA-2956 dated August 1, 2003 covering the W/2 of Section 36, T24S, R29E, Eddy County, New Mexico.

<u>Leasehold Ownership</u>	<u>Interest</u>
Mewbourne Oil Company 500 W. Texas, Suite 1020 Midland, TX 79701	100.0%

2. Federal Oil and Gas Lease NM-59386 dated November 1, 1984 covering the SW/4NW/4, NW/4SW/4 and S/2S/2 of Section 36, T24S, R29E, Eddy County, New Mexico.

<u>Leasehold Ownership</u>	<u>Interest</u>
Linn Energy, LLC 600 Travis St., Suite 5100 Houston, TX 77002-3092 Attn: Mr. Frank Schilling	72.92%
OXY USA WTP, LP P.O. Box 4294 Houston, Texas 77120-4294 Attn: Mr. Steve Flynn	27.08%

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

November 9, 2009

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Linn Energy, LLC
Suite 5100
600 Travis Street
Houston, Texas 77002

Attention: Frank Schilling

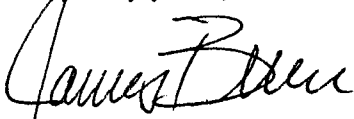
OXY USA WTP L.P.
P.O. Box 4294
Houston, Texas 77120

Attention: Steve Flynn

Dear Sirs:

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking an unorthodox oil well location in the E½W½ of Section 36, Township 24 South, Range 29 East, N.M.P.M., Eddy County, New Mexico. A copy of the application is enclosed. If you object to the application, you must notify the Division in writing no later than 20 days from the date of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter later.

Very truly yours,



James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT F