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

HOBBS OCD
JUL 27 2015
RECEIVED

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	2 Pool Code	3 Pool Name
30-025-42707	97900	RED HILLS UPPER BONE SPRING SHALE

4 Property Code	5 Property Name	6 Well Number
315056	SALADO DRAW 10 A3PA FEDERAL	2H

7 OGRID NO.	8 Operator Name	9 Elevation
14744	MEWBOURNE OIL COMPANY	3326'

10 Surface Location

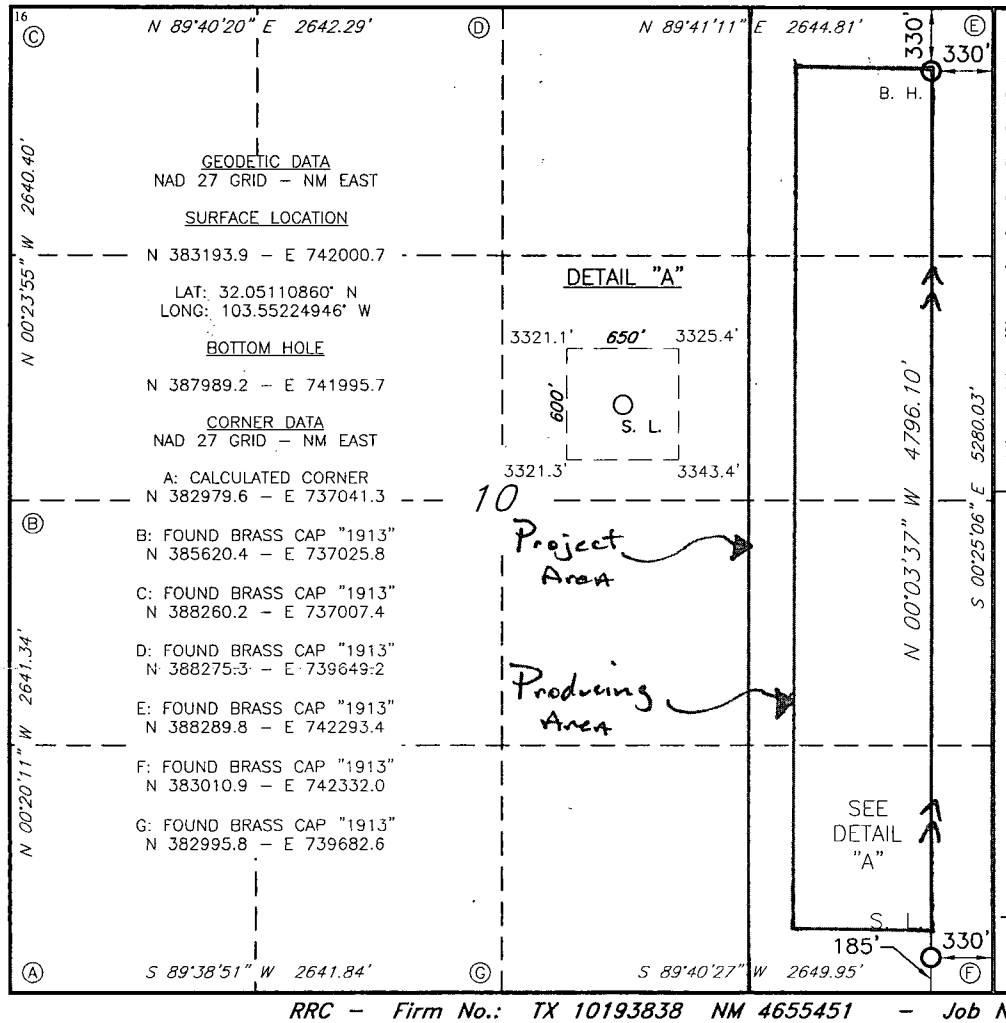
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
P	10	26S	33E		185	SOUTH	330	EAST	LEA

11 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	10	26S	33E		330	NORTH	330	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

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



17 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 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 4-8-15

Printed Name: BRADLEY BISHOP

E-mail Address

18 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 of Survey: 1-15-2015

Signature and Seal of Professional Surveyor: ROBERT M. HOWETT, NEW MEXICO, 19680, PROFESSIONAL SURVEYOR

19680
Certificate Number

RRC – Firm No.: TX 10193838 NM 4655451 – Job No.: LS140585

JUL 28 2015

Mewbourne Oil Company

Lea County, New Mexico
Salado Draw 10 A3PA Fed 2H
Sec 10, T26S, R33E
SL: 185' FSL & 330' FEL
BHL: 330' FNL & 330' FEL

Plan: Design #1

Standard Planning Report

19 March, 2015

Database:	Hobbs	Local Co-ordinate Reference:	Site Salado Draw 10 A3PA Fed 2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3346.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3346.0usft (Original Well Elev)
Site:	Salado Draw 10 A3PA Fed 2H	North Reference:	Grid
Well:	Sec 10, T26S, R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL		
Design:	Design #1		

Project Lea County, 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 Salado Draw 10 A3PA Fed 2H

Site Position:		Northing:	383,193.90 usft	Latitude:	32° 3' 3.991 N
From:	Map	Easting:	742,000.70 usft	Longitude:	103° 33' 8.099 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well Sec 10, T26S, R33E

Well Position	+N/-S	0.0 usft	Northing:	383,193.90 usft	Latitude:	32° 3' 3.991 N
	+E/-W	0.0 usft	Easting:	742,000.70 usft	Longitude:	103° 33' 8.099 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,346.0 usft	Ground Level:	3,326.0 usft

Wellbore BHL: 330' FNL & 330' FEL

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.73	60.08	48,691

Design Design #1

Audit Notes:

Version:		Phase:	PROTOTYPE	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.58

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	
9,443.0	0.00	0.00	9,443.0	0.0	0.0	0.00	0.00	0.00	0.00	
10,345.8	90.27	359.58	10,016.0	575.7	-4.2	10.00	10.00	0.00	-0.42	
14,534.3	90.27	359.58	9,996.0	4,764.1	-34.9	0.00	0.00	0.00	0.00	BHL: 330 FNL & 330'

Database:	Hobbs	Local Co-ordinate Reference:	Site Salado Draw 10 A3PA Fed 2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3346.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3346.0usft (Original Well Elev)
Site:	Salado Draw 10 A3PA Fed 2H	North Reference:	Grid
Well:	Sec 10 T26S R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL		
Design:	Design #1		

Planned Survey

Measured Depth (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
SL: 185 FSL & 330 FEL									
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
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
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
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

Database:	Hobbs	Local Co-ordinate Reference:	Site Salado Draw 10 A3PA Fed 2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3346.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3346.0usft (Original Well Elev)
Site:	Salado Draw 10 A3PA Fed 2H	North Reference:	Grid
Well:	Sec 10, T26S, R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL		
Design:	Design #1		

Planned Survey

Measured Depth (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	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
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,443.0	0.00	0.00	9,443.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 9443									
9,500.0	5.70	359.58	9,499.9	2.8	0.0	2.8	10.00	10.00	0.00
9,600.0	15.70	359.58	9,598.0	21.4	-0.2	21.4	10.00	10.00	0.00
9,700.0	25.70	359.58	9,691.5	56.7	-0.4	56.7	10.00	10.00	0.00
9,800.0	35.70	359.58	9,777.3	107.7	-0.8	107.7	10.00	10.00	0.00
9,859.8	41.68	359.58	9,824.0	145.0	-1.1	145.0	10.00	10.00	0.00
First Take Point: 330 FSL & 330' FEL									
9,900.0	45.70	359.58	9,853.1	172.8	-1.3	172.8	10.00	10.00	0.00
10,000.0	55.70	359.58	9,916.3	250.1	-1.8	250.1	10.00	10.00	0.00
10,100.0	65.69	359.58	9,965.2	337.1	-2.5	337.2	10.00	10.00	0.00
10,200.0	75.69	359.58	9,998.2	431.4	-3.2	431.4	10.00	10.00	0.00

Database:	Hobbs	Local Co-ordinate Reference:	Site Salado Draw 10 A3PA Fed 2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3346.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3346.0usft (Original Well Elev)
Site:	Salado Draw 10 A3PA Fed 2H	North Reference:	Grid
Well:	Sec 10 T26S R33E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL 330' FNL & 330' FEL		
Design:	Design #1		

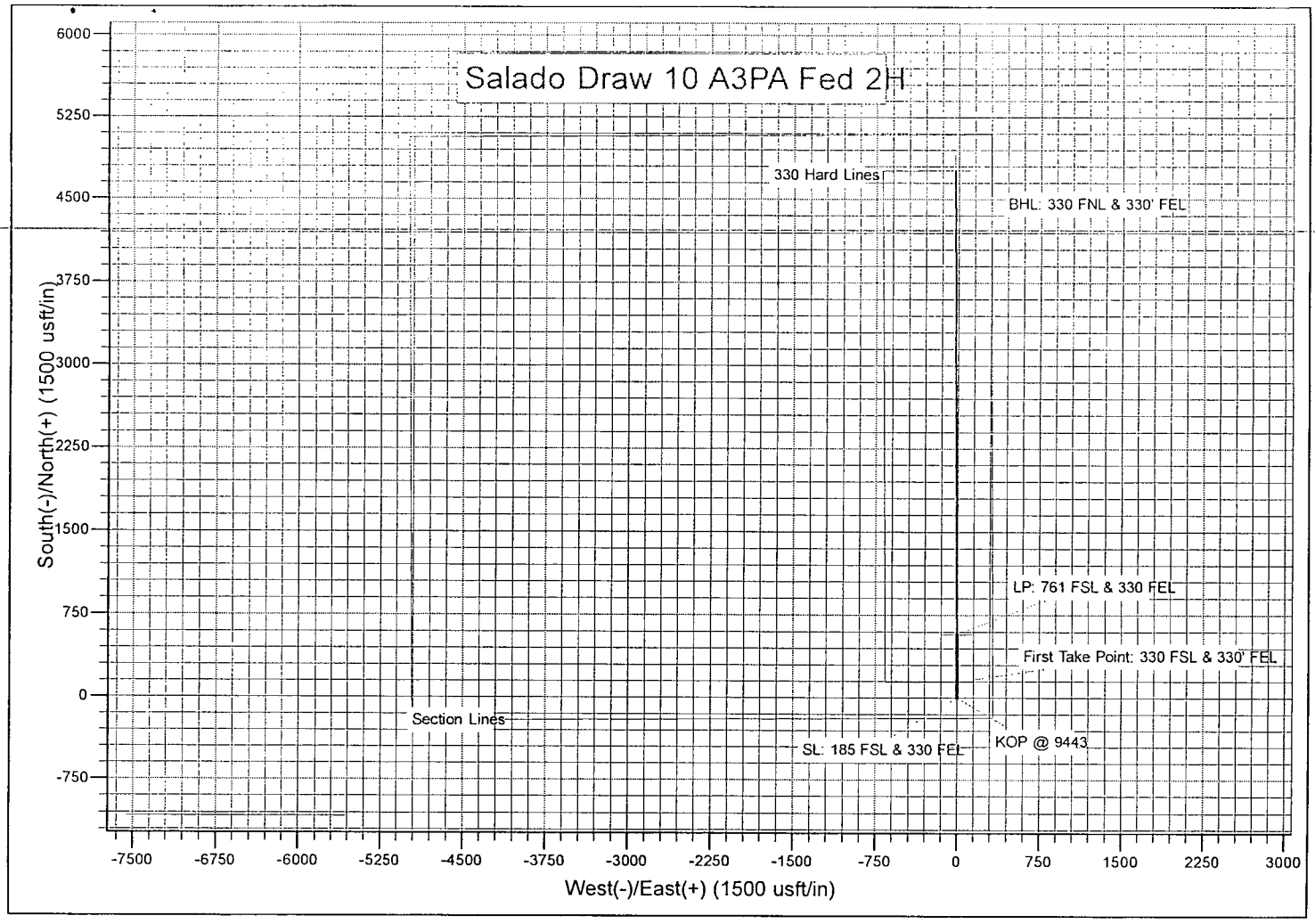
Planned Survey

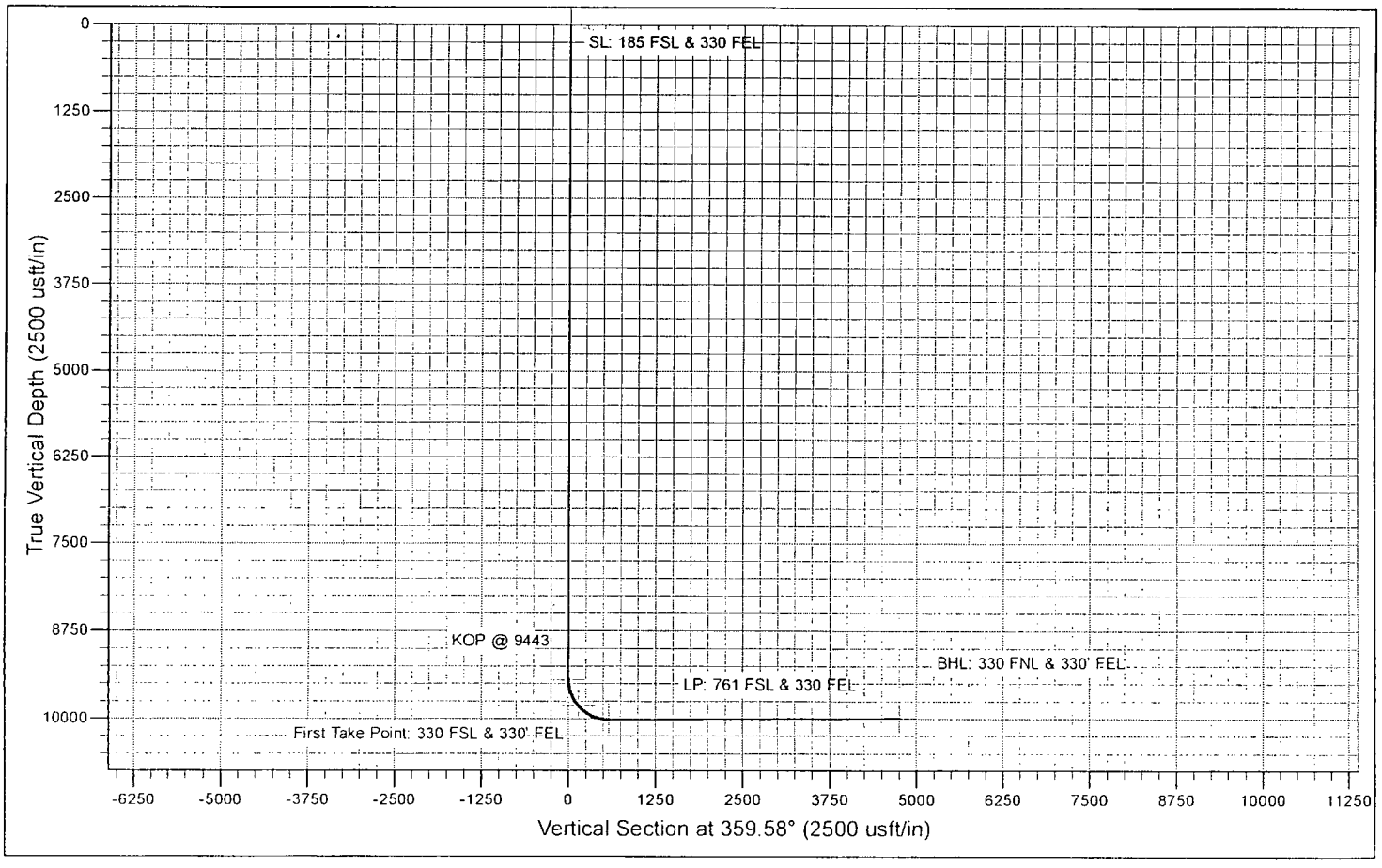
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,300.0	85.69	359.58	10,014.4	530.0	-3.9	530.0	10.00	10.00	0.00
10,345.1	90.20	359.58	10,016.0	575.0	-4.2	575.0	10.00	10.00	0.00
LP: 761 FSL & 330 FEL									
10,345.8	90.27	359.58	10,016.0	575.7	-4.2	575.7	10.00	10.00	0.00
10,400.0	90.27	359.58	10,015.7	629.9	-4.6	629.9	0.00	0.00	0.00
10,500.0	90.27	359.58	10,015.3	729.9	-5.3	729.9	0.00	0.00	0.00
10,600.0	90.27	359.58	10,014.8	829.9	-6.1	829.9	0.00	0.00	0.00
10,700.0	90.27	359.58	10,014.3	929.9	-6.8	929.9	0.00	0.00	0.00
10,800.0	90.27	359.58	10,013.8	1,029.9	-7.5	1,029.9	0.00	0.00	0.00
10,900.0	90.27	359.58	10,013.4	1,129.9	-8.3	1,129.9	0.00	0.00	0.00
11,000.0	90.27	359.58	10,012.9	1,229.9	-9.0	1,229.9	0.00	0.00	0.00
11,100.0	90.27	359.58	10,012.4	1,329.9	-9.7	1,329.9	0.00	0.00	0.00
11,200.0	90.27	359.58	10,011.9	1,429.9	-10.5	1,429.9	0.00	0.00	0.00
11,300.0	90.27	359.58	10,011.4	1,529.9	-11.2	1,529.9	0.00	0.00	0.00
11,400.0	90.27	359.58	10,011.0	1,629.9	-11.9	1,629.9	0.00	0.00	0.00
11,500.0	90.27	359.58	10,010.5	1,729.9	-12.7	1,729.9	0.00	0.00	0.00
11,600.0	90.27	359.58	10,010.0	1,829.9	-13.4	1,829.9	0.00	0.00	0.00
11,700.0	90.27	359.58	10,009.5	1,929.9	-14.1	1,929.9	0.00	0.00	0.00
11,800.0	90.27	359.58	10,009.1	2,029.9	-14.9	2,029.9	0.00	0.00	0.00
11,900.0	90.27	359.58	10,008.6	2,129.9	-15.6	2,129.9	0.00	0.00	0.00
12,000.0	90.27	359.58	10,008.1	2,229.9	-16.3	2,229.9	0.00	0.00	0.00
12,100.0	90.27	359.58	10,007.6	2,329.8	-17.1	2,329.9	0.00	0.00	0.00
12,200.0	90.27	359.58	10,007.1	2,429.8	-17.8	2,429.9	0.00	0.00	0.00
12,300.0	90.27	359.58	10,006.7	2,529.8	-18.5	2,529.9	0.00	0.00	0.00
12,400.0	90.27	359.58	10,006.2	2,629.8	-19.3	2,629.9	0.00	0.00	0.00
12,500.0	90.27	359.58	10,005.7	2,729.8	-20.0	2,729.9	0.00	0.00	0.00
12,600.0	90.27	359.58	10,005.2	2,829.8	-20.7	2,829.9	0.00	0.00	0.00
12,700.0	90.27	359.58	10,004.8	2,929.8	-21.5	2,929.9	0.00	0.00	0.00
12,800.0	90.27	359.58	10,004.3	3,029.8	-22.2	3,029.9	0.00	0.00	0.00
12,900.0	90.27	359.58	10,003.8	3,129.8	-22.9	3,129.9	0.00	0.00	0.00
13,000.0	90.27	359.58	10,003.3	3,229.8	-23.6	3,229.9	0.00	0.00	0.00
13,100.0	90.27	359.58	10,002.8	3,329.8	-24.4	3,329.9	0.00	0.00	0.00
13,200.0	90.27	359.58	10,002.4	3,429.8	-25.1	3,429.9	0.00	0.00	0.00
13,300.0	90.27	359.58	10,001.9	3,529.8	-25.8	3,529.9	0.00	0.00	0.00
13,400.0	90.27	359.58	10,001.4	3,629.8	-26.6	3,629.9	0.00	0.00	0.00
13,500.0	90.27	359.58	10,000.9	3,729.8	-27.3	3,729.9	0.00	0.00	0.00
13,600.0	90.27	359.58	10,000.5	3,829.8	-28.0	3,829.9	0.00	0.00	0.00
13,700.0	90.27	359.58	10,000.0	3,929.8	-28.8	3,929.9	0.00	0.00	0.00
13,800.0	90.27	359.58	9,999.5	4,029.8	-29.5	4,029.9	0.00	0.00	0.00
13,900.0	90.27	359.58	9,999.0	4,129.8	-30.2	4,129.9	0.00	0.00	0.00
14,000.0	90.27	359.58	9,998.6	4,229.8	-31.0	4,229.9	0.00	0.00	0.00
14,100.0	90.27	359.58	9,998.1	4,329.8	-31.7	4,329.9	0.00	0.00	0.00
14,200.0	90.27	359.58	9,997.6	4,429.8	-32.4	4,429.9	0.00	0.00	0.00
14,300.0	90.27	359.58	9,997.1	4,529.8	-33.2	4,529.9	0.00	0.00	0.00
14,400.0	90.27	359.58	9,996.6	4,629.8	-33.9	4,629.9	0.00	0.00	0.00
14,500.0	90.27	359.58	9,996.2	4,729.8	-34.6	4,729.9	0.00	0.00	0.00
14,534.3	90.27	359.58	9,996.0	4,764.1	-34.9	4,764.2	0.00	0.00	0.00
BHL: 330 FNL & 330 FEL									

Database:	Hobbs	**Local Co-ordinate Reference:**	Site Salado Draw 10 A3PA Fed 2H
Company:	Mewbourne Oil Company	**TVD Reference:**	WELL @ 3346.0usft (Original Well Elev)
Project:	Lea County, New Mexico	**MD Reference:**	WELL @ 3346.0usft (Original Well Elev)
Site:	Salado Draw 10 A3PA Fed 2H	**North Reference:**	Grid
Well:	Sec 10, T26S, R33E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	BHL: 330' FNL & 330' FEL		
Design:	Design #1		

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
SL: 185 FSL & 330 FEL - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	383,193.90	742,000.70	32° 3' 3.991 N	103° 33' 8.099 W
KOP @ 9443 - plan hits target center - Point	0.00	0.00	9,443.0	0.0	0.0	383,193.90	742,000.70	32° 3' 3.991 N	103° 33' 8.099 W
First Take Point: 330 FSl - plan hits target center - Point	0.00	0.00	9,824.0	145.0	-1.1	383,338.90	741,999.60	32° 3' 5.426 N	103° 33' 8.099 W
BHL: 330 FNL & 330' FE - plan hits target center - Point	0.00	0.00	9,996.0	4,764.1	-34.9	387,958.00	741,965.82	32° 3' 51.137 N	103° 33' 8.103 W
LP: 761 FSL & 330 FEL - plan hits target center - Point	0.00	0.00	10,016.0	575.0	-4.2	383,768.90	741,996.50	32° 3' 9.681 N	103° 33' 8.099 W


Salado Draw 10 A3PA Fed 2H
330 Hard Lines
BHL: 330 FNL & 330' FEL
LP: 761 FSL & 330 FEL
First Take Point: 330 FSL & 330' FEL
Section Lines
SL: 185 FSL & 330 FEL
KOP @ 9443
South(-)/North(+) (1500 usft/in)
West(-)/East(+) (1500 usft/in)
6000
5250
4500
3750
3000
2250
1500
750
0
-750
-7500
-6750
-6000
-5250
-4500
-3750
-3000
-2250
-1500
-750
0
750
1500
2250
3000


SL: 185 FSL & 330 FEL
KOP @ 9443
BHL: 330 FNL & 330' FEL
LP: 761 FSL & 330 FEL
First Take Point: 330 FSL & 330' FEL
True Vertical Depth (2500 usft/in)
Vertical Section at 359.58° (2500 usft/in)
0
1250
2500
3750
5000
6250
7500
8750
10000
-6250
-5000
-3750
-2500
-1250
0
1250
2500
3750
5000
6250
7500
8750
10000
11250

SURFACE USE PLAN OF OPERATIONS
MEWBOURNE OIL COMPANY

Salado Draw 10 A3PA Fed #2H
185' FSL & 330' FEL (SHL)
Sec. 10 – T26S-R33E
Lea County, New Mexico

Introduction

This plan is submitted with Form 3160-3, Application for Permit to Drill, Covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved, and the procedures to be followed in restoring the surface so that a complete appraisal can be made of the environmental impact associated with the proposed operations.

1. Existing Roads

a. The existing access road route to the proposed project is depicted on **Exhibit 3E**. Improvements to the driving surface will be done where necessary. No new surface disturbance will be done, unless otherwise noted in the New or Reconstructed Access Roads section of this surface use plan.
b. The existing oil and gas roads utilized to access the proposed project will be maintained by crowning, clearing ditches, and fixing potholes. All existing structures on the entire access route such as cattleguards, other range improvement projects, culverts, etc. will be properly repaired or replaced if they are damaged or have deteriorated beyond practical use.
c. Mewbourne Oil Co. will cooperate with other operators in the maintenance of lease roads.

2. New or Reconstructed Access Roads

a. An access road will be needed for this proposed project. See the survey plat(s) for the location of the access road.
b. The length of access road needed to be constructed for this proposed project is about **1,583.36 feet**.
c. The access road will be 14 feet wide and will be constructed with 6 inches of compacted caliche. A 25 foot wide area would be needed to construct the road.
d. When the road travels on fairly level ground, the road will be crowned and ditched with a 2% slope from the tip of the road crown to the edge of the driving surface. The ditches will be 3 feet wide with 3:1 slopes.
e. The access road will be constructed with a ditch on each side of the road.
f. The maximum grade for the access road will be 5 percent.
g. If the road is longer than 1,000 feet, turnouts will be constructed with an interval of 1,000 feet. Turnouts will be intervisible and will be 10 feet wide and 100 feet long.
h. Low water crossings will be constructed where drainages cross the access road.

i. Construction of new or reconstructed roads, on surface under the jurisdiction of the Bureau of Land Management will include ditching, draining, crowning and capping or sloping and dipping the roadbed as necessary to provide a well-drained and safe road.
j. An appropriately sized cattle guard will be installed where the proposed access road crosses a fence line.
k. A BLM right-of-way grant is needed for the construction of this access road and one will be acquired prior to construction.
l. Lead-off ditches will be constructed for the proposed access road, but will not extend more than 15 feet outside the road edge.

3. Location of Existing Wells

a. **Exhibit 4, 4A** of the APD depicts all known wells within a one mile radius of the proposed well.

4. Location of Existing and/or Proposed Production Facilities

a. All permanent, lasting more than 6 months, above ground structures including but not limited to pumpjacks, storage tanks, pipeline risers, meter housing, etc. that are not subject to safety requirements will be painted a non-reflective paint color that blends in with the surrounding landscape. The paint color will be one of the colors from the BLM Standard Environmental Colors chart selected by the BLM authorized officer.
b. All proposed production facilities that are located on the well pad will be strategically placed to allow for maximum interim reclamation, recontouring, and revegetation of the well location.
c. Production from the proposed well will be on the East side of location.
d. If any plans change regarding the production facility or other infrastructure (pipeline, electric line, etc.), we will submit a sundry notice or right of way (if applicable) prior to installation of construction.

5. Location and Types of Water

a. The well will be drilled with a combination of fresh water and brine water based mud systems. The water will be obtained from commercial suppliers in the area and/or hauled to the location by transport trucks over existing and proposed roads as identified above in this surface use plan.

6. Construction Materials

a. Construction material that will be used to build the well pad and road will be caliche.

b. The construction contractor will be solely responsible for securing construction materials required for this operation and paying any royalties that may be required on those materials.

c. Obtaining caliche: One way of obtaining caliche to build locations and roads will be by "turning over" the location. This means, caliche will be obtained from the actual well site. A caliche permit will be obtained from BLM prior to obtaining caliche. Amount of caliche will vary for each pad. The procedure below has been approved by BLM personnel:
   i. The top 6 inches of topsoil is pushed off and stockpiled along the side of the location.
   ii. An approximate 160' X 160' area is used within the proposed well site to remove caliche.
   iii. Subsoil is removed and stockpiled within the surveyed well pad.
   iv. When caliche is found, material will be stock piled within the pad site to build the location and road.
   v. Then subsoil is pushed back in the hole and caliche is spread accordingly across entire location and road.
   vi. Once well is drilled, the stock piled top soil will be used for interim reclamation and spread along areas where caliche is picked up and the location size is reduced.
   vii. Neither caliche, nor subsoil will be stock piled outside of the well pad. Topsoil will be stockpiled along the edge of the pad as depicted in the Well Site Layout or survey plat.

In the event that no caliche is found onsite, caliche will be hauled in from a BLM, state, or private mineral pit. A BLM mineral material permit will be acquired prior to obtaining any mineral material from BLM pits or land.

7. Methods of Handling Waste

a. The well will be drilled utilizing a closed loop system. Drill cuttings will be properly contained in steel tanks and taken to an NMOCD approved disposal facility.

b. Drilling fluids and produced oil and water from the well during completion operations will be stored safely in closed containers and disposed of properly in an NMOCD approved disposal facility.

c. Garbage and trash produced during drilling and completion operations will be collected in trash containers and disposed of properly at a state approved site. All trash on and around the well site will be collected for disposal.

d. All human waste and grey water from drilling and completion operations will be properly contained and disposed of properly at a disposal facility.

e. After drilling and completion operations, trash, chemicals, salts, frac sand and other waste material will be removed and disposed of properly at a disposal site.

8. Ancillary Facilities

a. No ancillary facilities will be needed for this proposed project.

9. Well Site Layout

a. The proposed drilling pad to be built was staked and surveyed by a professional surveyor. The attached survey plat of the well site depicts the drilling pad layout as staked.
b. A title of a well site diagram is **Exhibit 5**. This diagram depicts the rig layout.
c. In areas to be heavily disturbed, the top 6 inches of soil material, will be stripped and stockpiled on the perimeter of the well location to keep topsoil viable, and to make redistribution of topsoil more efficient during interim reclamation. Stockpiled topsoil should include vegetative material. Topsoil will be clearly segregated and stored separately from subsoils. Contaminated soil will not be stockpiled, but properly treated and handled prior to topsoil salvaging.

10. Plans for Surface Reclamation

Within 90 days of cessation of drilling and completion operations, all equipment not necessary for production operations will be removed. The location will be cleaned of all trash and junk to assure the well site is left as aesthetically pleasing as reasonably possible.

a. Interim Reclamation (well pad)

i. Interim reclamation will be performed on the well site after the well is drilled and completed. **Exhibit 6** depicts the location and dimensions of the planned interim reclamation for the well site.
ii. The well location and surrounding areas will be cleared of, and maintained free of, all materials, trash, and equipment not required for production.
iii. In areas planned for interim reclamation, all the surfacing material will be removed and returned to the original mineral pit or recycled to repair or build roads and well pads.
iv. The areas planned for interim reclamation will then be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Where applicable, the fill material of the well pad will be backfilled into the cut

to bring the area back to the original contour. The interim cut and fill slopes prior to re-seeding will not be steeper than a 3:1 ratio, unless the adjacent native topography is steeper. Note: Constructed slopes may be much steeper during drilling, but will be recontoured to the above ratios during interim reclamation.

v. Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including cuts & fills. To seed the area, the proper BLM seed mixture, free of noxious weeds, will be used. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

vi. Proper erosion control methods will be used on the area to control erosion, runoff and siltation of the surrounding area.

vii. The interim reclamation will be monitored periodically to ensure that vegetation has reestablished and that erosion and invasive/noxious weeds are controlled.

b. Final Reclamation (well pad, buried pipelines, etc.)

i. Prior to final reclamation procedures, the well pad, road, and surrounding area will be cleared of material, trash, and equipment.

ii. All surfacing material will be removed and returned to the original mineral pit or recycled to repair or build roads and well pads.

iii. All disturbed areas, including roads, pipelines, pads, production facilities, and interim reclaimed areas will be recontoured to the contour existing prior to initial construction or a contour that blends indistinguishably with the surrounding landscape. Topsoil that was spread over the interim reclamation areas will be stockpiled prior to recontouring. The topsoil will be redistributed evenly over the entire disturbed site to ensure successful revegetation.

iv. After all the disturbed areas have been properly prepared, the areas will be seeded with the proper BLM seed mixture, free of noxious weeds. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding, dozer tracking, or other imprinting in order to break the soil crust and create seed germination micro-sites.

v. Proper erosion control methods will be used on the entire area to control erosion, runoff and siltation of the surrounding area.

vi. All unused equipment and structures including pipelines, electric line poles, tanks, etc. that serviced the well will be removed.

vii. All reclaimed areas will be monitored periodically to ensure that revegetation occurs, that the area is not redisturbed, and that erosion and invasive/noxious weeds are controlled.

11. Surface Ownership

a. The surface ownership of the proposed project is federal.

12. Other Information

a. No other information is needed at this time.

13. Operator's Representative

a. Through APD approval, drilling, completion and production operations:

Robin Terrell, District Manager
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
575-393-5905