

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR A NON-STANDARD OIL SPACING AND
PRORATION UNIT AND COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

Case No. 15,259

VERIFIED STATEMENT OF JASON LODGE

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Jason Lodge, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case
3. I have been previously qualified as an expert petroleum geologist by the Division.
4. The geological plats attached hereto show the following:
 - (a) Attachment A is a combination structure/net isopach map of the target interval in the Second Bone Spring sand. It shows other Bone Spring producers in the immediate area, and shows the location of cross section line A-A', explained in attachment B. The proposed horizontal well is highlighted in blue.
 - (b) Attachment B is a west-to-east cross section. The horizontal target is notated on each log. The pay is continuous across the well unit.
5. I conclude from the maps that the project area is justified from a geologic standpoint.
6. Each quarter-quarter section in the project area will contribute more or less equally to production.
7. There is no faulting or other geologic impediment which will affect the drilling of the subject well.
8. The producing interval of the well will be at orthodox locations.

Oil Conservation Division
Case No. _____
Exhibit No. 2

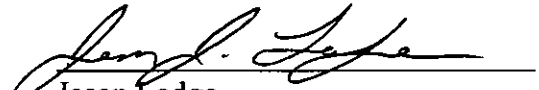
9. Attachment C contains information from other wells drilled in this area. There are both standup and laydown wells in the area that have shown positive results, but Mewbourne prefers to drill standup wells for land reasons.

10. Attachment D is the proposed horizontal well plan. The well will have approximately 20 completion stages using approximately 6,000,000 gallons of fluid and 7,000,000 pounds of sand.

VERIFICATION

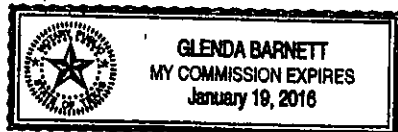
STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Jason Lodge, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

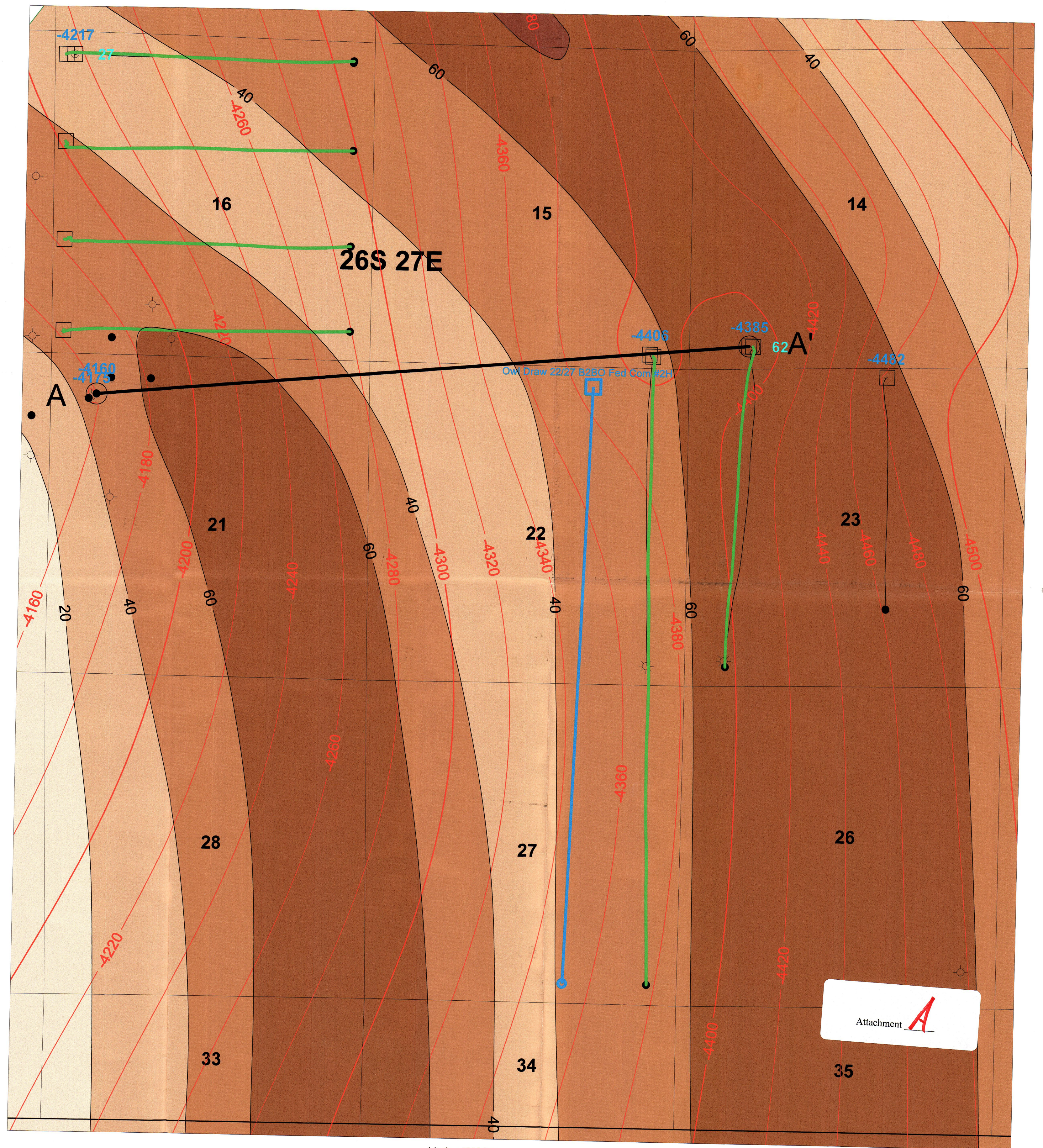

Jason Lodge

SUBSCRIBED AND SWORN TO before me this 29th day of December, 2014 by Jason Lodge.

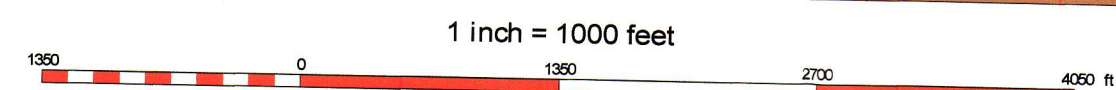
My Commission Expires: 1-19-2016




Notary Public

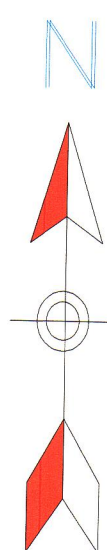


Attachment **A**



Bone Spring Producer

Subsea
2nd BSPG C
Porosity GRT 10%



MOC Mewbourne Oil Company		
Attachment A Owl Draw 22/27 B2BO Fed Com #2H Base Map Top of 2nd BSPG C Structure; 2nd BSPG C Net Isopach		
Author: J. Lodge	Date: December 29, 2014	
Scale: 1 in = 1000 ft.		

A

A

300150115900

YATES PETROLEUM CORP
WELCH 'ABV' FEDERAL 1
660 FNL/760 FWL
TWP: 26 S - Range: 27 E - Sec. 21
Reference=KB
Datum=3262.00

300154144801

→ ○

MOC

OWL DRAW 23 DM FED COM 1H

375 FSL 990 FWL

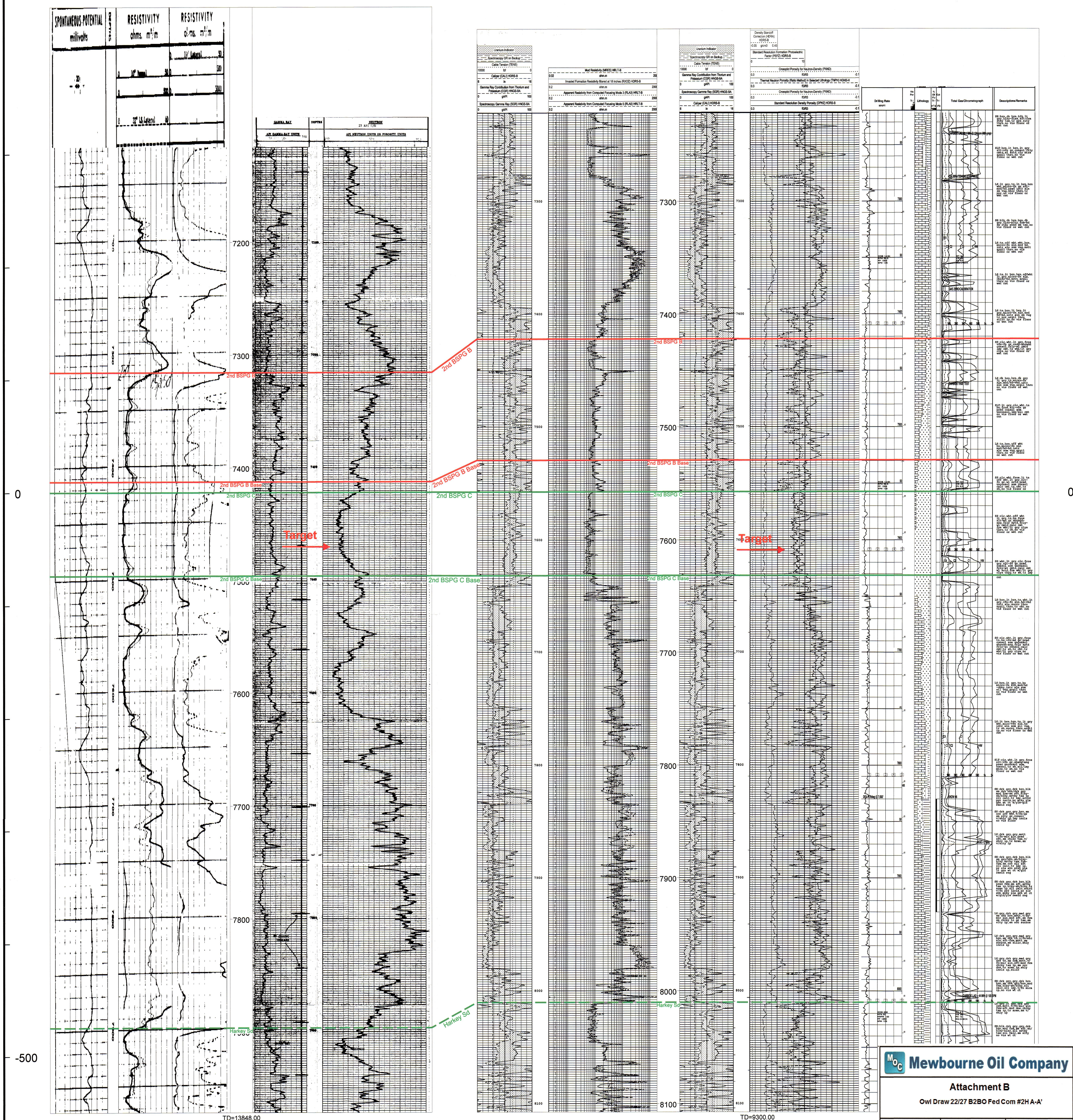
TWP: - Range: - Sec.

Reference=KB

Datum=3172.00

21D

14M

Attachment B

Owl Draw 22/27 B2BO Fed Com #2H Production Table

12/29/2014

Bone Spring Production

Well Name	Well ID	Surface Location	PBHL	Operator	Vert/Horiz	Cum Oil (MBO)	Cum Water (MBW)	Cum Gas (MMCF)	First Production
Cluster State Com #2H	16DA	380 FNL & 190 FWL T26S - R27E, Sec. 16	380 FNL & 330 FEL T26S - R27E, Sec. 16	Concho	H	102	163	412	May-13
Cluster State Com #3H	16EH	1830 FNL & 190 FWL T26S - R27E, Sec. 16	1923 FNL & 330 FEL T26S - R27E, Sec. 16	Concho	H	100	165	598	September-12
Cluster State Com #4H	16LI	1887 FSL & 190 FWL T26S - R27E, Sec. 16	1840 FSL & 351 FEL T26S - R27E, Sec. 16	Concho	H	89	117	547	February-13
Cluster State Com #5H	16MP	380 FSL & 190 FWL T26S - R27E, Sec. 16	428 FSL & 339 FEL T26S - R27E, Sec. 16	Concho	H	114	128	468	May-13
Owl Draw 22/27 B2AP Fed Com #1H	22/27AP	200 FSL & 600 FEL T26S - R27E, Sec. 15	336 FSL & 572 FEL T26S - R27E, Sec. 27	Mewbourne	H	57	66	173	October-14
Owl Draw 23 DM Fed Com #2H	23DM	370 FSL & 1055 FWL T26S - R27E, Sec. 14	334 FSL & 661 FWL T26S - R27E, Sec. 23	Mewbourne	H	40	163	519	February-14

Attachment

2

Mewbourne Oil Company

Eddy County, New Mexico

Owl Draw 22/27 B2BO Fed Com 2H

Sec 22, T26S, R27E

SL: 330 FNL & 1585 FEL

BHL: 330 FSL & 1980 FEL

Plan: Design #1

Standard Planning Report

01 July, 2014

Attachment

D

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Owl Draw 22/27 B2BO Fed Com 2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3169.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3169.0usft (Original Well Elev)
Site:	Owl Draw 22/27 B2BO Fed Com 2H	North Reference:	Grid
Well:	Sec 22, T26S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330 FSL & 1980 FEL		
Design:	Design #1		

Project	Eddy 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	Owl Draw 22/27 B2BO Fed Com 2H		
Site Position:	Northing:	376,063.37 usft	Latitude: 32° 2' 1.726 N
From: Map	Easting:	549,359.17 usft	Longitude: 104° 10' 26.577 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.08 °

Well	Sec 22, T26S, R27E		
Well Position	+N/-S	0.0 usft	Northing: 376,063.37 usft
	+E/-W	0.0 usft	Easting: 549,359.17 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,169.0 usft
		Ground Level:	3,149.0 usft

Wellbore	BHL: 330 FSL & 1980 FEL				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	7/1/2014	7.47	59.87	48,185

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	181.85

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	
7,066.5	0.00	0.00	7,066.5	0.0	0.0	0.00	0.00	0.00	0.00	
7,815.3	89.85	181.85	7,544.0	-476.0	-15.4	12.00	12.00	0.00	-178.15	
17,250.4	89.85	181.85	7,569.0	-9,906.1	-320.2	0.00	0.00	0.00	0.00	PBHL (330 FSL & 19E

Planning Report

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Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3169.0usft (Original Well Elev)
Site:	Owl Draw 22/27 B2BO Fed Com 2H	North Reference:	Grid
Well:	Sec 22, T26S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330 FSL & 1980 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
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
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

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Wellbore:	BHL: 330 FSL & 1980 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)
5,400.0	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
7,066.5	0.00	0.00	7,066.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 7067									
7,100.0	4.02	181.85	7,100.0	-1.2	0.0	1.2	12.00	12.00	0.00
7,200.0	16.02	181.85	7,198.3	-18.5	-0.6	18.5	12.00	12.00	0.00
7,300.0	28.02	181.85	7,290.8	-55.9	-1.8	56.0	12.00	12.00	0.00
7,400.0	40.02	181.85	7,373.5	-111.7	-3.6	111.8	12.00	12.00	0.00
7,500.0	52.02	181.85	7,442.9	-183.5	-5.9	183.6	12.00	12.00	0.00
7,600.0	64.02	181.85	7,495.7	-268.2	-8.7	268.3	12.00	12.00	0.00
7,700.0	76.01	181.85	7,529.8	-361.9	-11.7	362.1	12.00	12.00	0.00
7,800.0	88.01	181.85	7,543.7	-460.7	-14.9	460.9	12.00	12.00	0.00
7,815.3	89.85	181.85	7,544.0	-476.0	-15.4	476.2	11.99	11.99	0.00
LP @ 7815 MD (806 FNL & 1600 FEL)									
7,900.0	89.85	181.85	7,544.2	-560.7	-18.1	560.9	0.00	0.00	0.00
8,000.0	89.85	181.85	7,544.5	-660.6	-21.4	660.9	0.00	0.00	0.00
8,100.0	89.85	181.85	7,544.8	-760.5	-24.6	760.9	0.00	0.00	0.00
8,200.0	89.85	181.85	7,545.0	-860.5	-27.8	860.9	0.00	0.00	0.00
8,300.0	89.85	181.85	7,545.3	-960.4	-31.0	960.9	0.00	0.00	0.00
8,400.0	89.85	181.85	7,545.5	-1,060.4	-34.3	1,060.9	0.00	0.00	0.00
8,500.0	89.85	181.85	7,545.8	-1,160.3	-37.5	1,160.9	0.00	0.00	0.00
8,600.0	89.85	181.85	7,546.1	-1,260.3	-40.7	1,260.9	0.00	0.00	0.00
8,700.0	89.85	181.85	7,546.3	-1,360.2	-44.0	1,360.9	0.00	0.00	0.00
8,800.0	89.85	181.85	7,546.6	-1,460.2	-47.2	1,460.9	0.00	0.00	0.00
8,900.0	89.85	181.85	7,546.9	-1,560.1	-50.4	1,560.9	0.00	0.00	0.00
9,000.0	89.85	181.85	7,547.1	-1,660.1	-53.7	1,660.9	0.00	0.00	0.00
9,100.0	89.85	181.85	7,547.4	-1,760.0	-56.9	1,760.9	0.00	0.00	0.00
9,200.0	89.85	181.85	7,547.7	-1,860.0	-60.1	1,860.9	0.00	0.00	0.00
9,300.0	89.85	181.85	7,547.9	-1,959.9	-63.4	1,960.9	0.00	0.00	0.00
9,400.0	89.85	181.85	7,548.2	-2,059.9	-66.6	2,060.9	0.00	0.00	0.00
9,500.0	89.85	181.85	7,548.5	-2,159.8	-69.8	2,160.9	0.00	0.00	0.00
9,600.0	89.85	181.85	7,548.7	-2,259.8	-73.1	2,260.9	0.00	0.00	0.00
9,700.0	89.85	181.85	7,549.0	-2,359.7	-76.3	2,360.9	0.00	0.00	0.00
9,800.0	89.85	181.85	7,549.3	-2,459.7	-79.5	2,460.9	0.00	0.00	0.00
9,900.0	89.85	181.85	7,549.5	-2,559.6	-82.7	2,560.9	0.00	0.00	0.00
10,000.0	89.85	181.85	7,549.8	-2,659.5	-86.0	2,660.9	0.00	0.00	0.00
10,100.0	89.85	181.85	7,550.1	-2,759.5	-89.2	2,760.9	0.00	0.00	0.00
10,200.0	89.85	181.85	7,550.3	-2,859.4	-92.4	2,860.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Owl Draw 22/27 B2BO Fed Com 2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3169.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3169.0usft (Original Well Elev)
Site:	Owl Draw 22/27 B2BO Fed Com 2H	North Reference:	Grid
Well:	Sec 22, T26S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330 FSL & 1980 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	89.85	181.85	7,550.6	-2,959.4	-95.7	2,960.9	0.00	0.00	0.00
10,400.0	89.85	181.85	7,550.8	-3,059.3	-98.9	3,060.9	0.00	0.00	0.00
10,500.0	89.85	181.85	7,551.1	-3,159.3	-102.1	3,160.9	0.00	0.00	0.00
10,600.0	89.85	181.85	7,551.4	-3,259.2	-105.4	3,260.9	0.00	0.00	0.00
10,700.0	89.85	181.85	7,551.6	-3,359.2	-108.6	3,360.9	0.00	0.00	0.00
10,800.0	89.85	181.85	7,551.9	-3,459.1	-111.8	3,460.9	0.00	0.00	0.00
10,900.0	89.85	181.85	7,552.2	-3,559.1	-115.1	3,560.9	0.00	0.00	0.00
11,000.0	89.85	181.85	7,552.4	-3,659.0	-118.3	3,660.9	0.00	0.00	0.00
11,100.0	89.85	181.85	7,552.7	-3,759.0	-121.5	3,760.9	0.00	0.00	0.00
11,200.0	89.85	181.85	7,553.0	-3,858.9	-124.7	3,860.9	0.00	0.00	0.00
11,300.0	89.85	181.85	7,553.2	-3,958.9	-128.0	3,960.9	0.00	0.00	0.00
11,400.0	89.85	181.85	7,553.5	-4,058.8	-131.2	4,060.9	0.00	0.00	0.00
11,500.0	89.85	181.85	7,553.8	-4,158.8	-134.4	4,160.9	0.00	0.00	0.00
11,600.0	89.85	181.85	7,554.0	-4,258.7	-137.7	4,260.9	0.00	0.00	0.00
11,700.0	89.85	181.85	7,554.3	-4,358.7	-140.9	4,360.9	0.00	0.00	0.00
11,800.0	89.85	181.85	7,554.6	-4,458.6	-144.1	4,460.9	0.00	0.00	0.00
11,900.0	89.85	181.85	7,554.8	-4,558.5	-147.4	4,560.9	0.00	0.00	0.00
12,000.0	89.85	181.85	7,555.1	-4,658.5	-150.6	4,660.9	0.00	0.00	0.00
12,100.0	89.85	181.85	7,555.4	-4,758.4	-153.8	4,760.9	0.00	0.00	0.00
12,200.0	89.85	181.85	7,555.6	-4,858.4	-157.1	4,860.9	0.00	0.00	0.00
12,300.0	89.85	181.85	7,555.9	-4,958.3	-160.3	4,960.9	0.00	0.00	0.00
12,400.0	89.85	181.85	7,556.1	-5,058.3	-163.5	5,060.9	0.00	0.00	0.00
12,500.0	89.85	181.85	7,556.4	-5,158.2	-166.8	5,160.9	0.00	0.00	0.00
12,600.0	89.85	181.85	7,556.7	-5,258.2	-170.0	5,260.9	0.00	0.00	0.00
12,700.0	89.85	181.85	7,556.9	-5,358.1	-173.2	5,360.9	0.00	0.00	0.00
12,800.0	89.85	181.85	7,557.2	-5,458.1	-176.4	5,460.9	0.00	0.00	0.00
12,900.0	89.85	181.85	7,557.5	-5,558.0	-179.7	5,560.9	0.00	0.00	0.00
13,000.0	89.85	181.85	7,557.7	-5,658.0	-182.9	5,660.9	0.00	0.00	0.00
13,100.0	89.85	181.85	7,558.0	-5,757.9	-186.1	5,760.9	0.00	0.00	0.00
13,200.0	89.85	181.85	7,558.3	-5,857.9	-189.4	5,860.9	0.00	0.00	0.00
13,300.0	89.85	181.85	7,558.5	-5,957.8	-192.6	5,960.9	0.00	0.00	0.00
13,400.0	89.85	181.85	7,558.8	-6,057.8	-195.8	6,060.9	0.00	0.00	0.00
13,500.0	89.85	181.85	7,559.1	-6,157.7	-199.1	6,160.9	0.00	0.00	0.00
13,600.0	89.85	181.85	7,559.3	-6,257.7	-202.3	6,260.9	0.00	0.00	0.00
13,700.0	89.85	181.85	7,559.6	-6,357.6	-205.5	6,360.9	0.00	0.00	0.00
13,800.0	89.85	181.85	7,559.9	-6,457.5	-208.8	6,460.9	0.00	0.00	0.00
13,900.0	89.85	181.85	7,560.1	-6,557.5	-212.0	6,560.9	0.00	0.00	0.00
14,000.0	89.85	181.85	7,560.4	-6,657.4	-215.2	6,660.9	0.00	0.00	0.00
14,100.0	89.85	181.85	7,560.7	-6,757.4	-218.4	6,760.9	0.00	0.00	0.00
14,200.0	89.85	181.85	7,560.9	-6,857.3	-221.7	6,860.9	0.00	0.00	0.00
14,300.0	89.85	181.85	7,561.2	-6,957.3	-224.9	6,960.9	0.00	0.00	0.00
14,400.0	89.85	181.85	7,561.4	-7,057.2	-228.1	7,060.9	0.00	0.00	0.00
14,500.0	89.85	181.85	7,561.7	-7,157.2	-231.4	7,160.9	0.00	0.00	0.00
14,600.0	89.85	181.85	7,562.0	-7,257.1	-234.6	7,260.9	0.00	0.00	0.00
14,700.0	89.85	181.85	7,562.2	-7,357.1	-237.8	7,360.9	0.00	0.00	0.00
14,800.0	89.85	181.85	7,562.5	-7,457.0	-241.1	7,460.9	0.00	0.00	0.00
14,900.0	89.85	181.85	7,562.8	-7,557.0	-244.3	7,560.9	0.00	0.00	0.00
15,000.0	89.85	181.85	7,563.0	-7,656.9	-247.5	7,660.9	0.00	0.00	0.00
15,100.0	89.85	181.85	7,563.3	-7,756.9	-250.8	7,760.9	0.00	0.00	0.00
15,200.0	89.85	181.85	7,563.6	-7,856.8	-254.0	7,860.9	0.00	0.00	0.00
15,300.0	89.85	181.85	7,563.8	-7,956.8	-257.2	7,960.9	0.00	0.00	0.00
15,400.0	89.85	181.85	7,564.1	-8,056.7	-260.5	8,060.9	0.00	0.00	0.00
15,500.0	89.85	181.85	7,564.4	-8,156.7	-263.7	8,160.9	0.00	0.00	0.00
15,600.0	89.85	181.85	7,564.6	-8,256.6	-266.9	8,260.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Owl Draw 22/27 B2BO Fed Com 2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3169.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3169.0usft (Original Well Elev)
Site:	Owl Draw 22/27 B2BO Fed Com 2H	North Reference:	Grid
Well:	Sec 22, T26S, R27E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330 FSL & 1980 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)	
15,700.0	89.85	181.85	7,564.9	-8,356.6	-270.1	8,360.9	0.00	0.00	0.00	
15,800.0	89.85	181.85	7,565.2	-8,456.5	-273.4	8,460.9	0.00	0.00	0.00	
15,900.0	89.85	181.85	7,565.4	-8,556.4	-276.6	8,560.9	0.00	0.00	0.00	
16,000.0	89.85	181.85	7,565.7	-8,656.4	-279.8	8,660.9	0.00	0.00	0.00	
16,100.0	89.85	181.85	7,566.0	-8,756.3	-283.1	8,760.9	0.00	0.00	0.00	
16,200.0	89.85	181.85	7,566.2	-8,856.3	-286.3	8,860.9	0.00	0.00	0.00	
16,300.0	89.85	181.85	7,566.5	-8,956.2	-289.5	8,960.9	0.00	0.00	0.00	
16,400.0	89.85	181.85	7,566.7	-9,056.2	-292.8	9,060.9	0.00	0.00	0.00	
16,500.0	89.85	181.85	7,567.0	-9,156.1	-296.0	9,160.9	0.00	0.00	0.00	
16,600.0	89.85	181.85	7,567.3	-9,256.1	-299.2	9,260.9	0.00	0.00	0.00	
16,700.0	89.85	181.85	7,567.5	-9,356.0	-302.5	9,360.9	0.00	0.00	0.00	
16,800.0	89.85	181.85	7,567.8	-9,456.0	-305.7	9,460.9	0.00	0.00	0.00	
16,900.0	89.85	181.85	7,568.1	-9,555.9	-308.9	9,560.9	0.00	0.00	0.00	
17,000.0	89.85	181.85	7,568.3	-9,655.9	-312.2	9,660.9	0.00	0.00	0.00	
17,100.0	89.85	181.85	7,568.6	-9,755.8	-315.4	9,760.9	0.00	0.00	0.00	
17,200.0	89.85	181.85	7,568.9	-9,855.8	-318.6	9,860.9	0.00	0.00	0.00	
17,250.4	89.85	181.85	7,569.0	-9,906.1	-320.2	9,911.3	0.00	0.00	0.00	
PBHL (330 FSL & 1980 FEL)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
KOP @ 7067 - hit/miss target - Shape - Point	0.00	0.00	7,066.5	0.0	0.0	376,063.37	549,359.17	32° 2' 1.726 N		104° 10' 26.577 W
LP @ 7815 MD (806 FN - plan hits target center - Point	0.00	0.00	7,544.0	-476.0	-15.4	375,587.37	549,343.77	32° 1' 57.015 N		104° 10' 26.764 W
PBHL (330 FSL & 1980 I - plan hits target center - Point	0.00	0.01	7,569.0	-9,906.1	-320.2	366,157.26	549,038.93	32° 0' 23.693 N		104° 10' 30.466 W