

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 08 2017

RECEIVED

Mewbourne Oil Company

Eddy County, New Mexico

Armstrong 26/35 W0IP Fed Com #2H

Sec 26, T25S, R31E

SL: 2625' FNL & 330' FEL, Sec 26

BHL: 330' FSL & 330' FEL, Sec 35

Plan: Design #1

Standard Planning Report

22 June, 2017

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Armstrong 26/35 W01P Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3366.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3366.0usft (Original Well Elev)
Site:	Armstrong 26/35 W01P Fed Com #2H	North Reference:	Grid
Well:	Sec 26, T25S, R31E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 330' FEL, Sec 35		
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	Armstrong 26/35 W01P Fed Com #2H				
Site Position:		Northing:	401,040.00 usft	Latitude:	32° 6' 4.280 N
From:	Map	Easting:	683,487.00 usft	Longitude:	103° 44' 26.817 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.31 °

Well	Sec 26, T25S, R31E					
Well Position	+N/-S	0.0 usft	Northing:	401,040.00 usft	Latitude:	32° 6' 4.280 N
	+E/-W	0.0 usft	Easting:	683,487.00 usft	Longitude:	103° 44' 26.817 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,366.0 usft	Ground Level:	3,339.0 usft

Wellbore	BHL: 330' FSL & 330' FEL, Sec 35				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	7.82	60.10	48,700

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	179.82

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	
11,318.5	0.00	0.00	11,318.5	0.0	0.0	0.00	0.00	0.00	0.00	KOP @ 11319'
12,071.2	90.32	179.82	11,796.0	-480.1	1.5	12.00	12.00	0.00	179.82	
19,196.2	90.32	179.82	11,756.0	-7,605.0	24.0	0.00	0.00	0.00	0.00	BHL: 330' FSL & 330'

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Armstrong 26/35 W01P Fed Com #2H
Well: Sec 26, T25S, R31E
Wellbore: BHL: 330' FSL & 330' FEL, Sec 35
Design: Design #1

Local Co-ordinate Reference: Site Armstrong 26/35 W01P Fed Com #2H
TVD Reference: WELL @ 3366.0usft (Original Well Elev)
MD Reference: WELL @ 3366.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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: 2625' FNL & 330' FEL, Sec26									
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

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Project: Eddy County, New Mexico
Site: Armstrong 26/35 W01P Fed Com #2H
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Wellbore: BHL: 330' FSL & 330' FEL, Sec 35
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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
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

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Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Armstrong 26/35 W01P Fed Com #2H
Well: Sec 26, T25S, R31E
Wellbore: BHL: 330' FSL & 330' FEL, Sec 35
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Local Co-ordinate Reference: Site Armstrong 26/35 W01P Fed Com #2H
TVD Reference: WELL @ 3366.0usft (Original Well Elev)
MD Reference: WELL @ 3366.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,300.0	0.0	0.0	0.0	0.00	0.00	0.00
11,318.5	0.00	0.00	11,318.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 11319'									
11,400.0	9.78	179.82	11,399.6	-6.9	0.0	6.9	12.00	12.00	0.00
11,500.0	21.78	179.82	11,495.7	-34.1	0.1	34.1	12.00	12.00	0.00
11,600.0	33.78	179.82	11,584.0	-80.6	0.3	80.6	12.00	12.00	0.00
11,700.0	45.77	179.82	11,660.7	-144.4	0.5	144.4	12.00	12.00	0.00
11,800.0	57.77	179.82	11,722.5	-222.9	0.7	222.9	12.00	12.00	0.00
11,900.0	69.77	179.82	11,766.6	-312.4	1.0	312.4	12.00	12.00	0.00
11,934.3	73.89	179.82	11,777.3	-345.0	1.1	345.0	12.00	12.00	0.00
FTP: 2311' FSL & 330' FEL, Sec 26									
12,000.0	81.77	179.82	11,791.1	-409.2	1.3	409.2	12.00	12.00	0.00
12,071.2	90.32	179.82	11,796.0	-480.1	1.5	480.1	12.00	12.00	0.00
LP: 2176' FSL & 330' FEL, Sec 26									
12,100.0	90.32	179.82	11,795.8	-508.9	1.6	508.9	0.02	0.02	0.00
12,200.0	90.32	179.82	11,795.3	-608.9	1.9	608.9	0.00	0.00	0.00
12,300.0	90.32	179.82	11,794.7	-708.9	2.2	708.9	0.00	0.00	0.00
12,400.0	90.32	179.82	11,794.2	-808.9	2.6	808.9	0.00	0.00	0.00
12,500.0	90.32	179.82	11,793.6	-908.9	2.9	908.9	0.00	0.00	0.00
12,600.0	90.32	179.82	11,793.0	-1,008.9	3.2	1,008.9	0.00	0.00	0.00
12,700.0	90.32	179.82	11,792.5	-1,108.9	3.5	1,108.9	0.00	0.00	0.00
12,800.0	90.32	179.82	11,791.9	-1,208.9	3.8	1,208.9	0.00	0.00	0.00
12,900.0	90.32	179.82	11,791.3	-1,308.9	4.1	1,308.9	0.00	0.00	0.00
13,000.0	90.32	179.82	11,790.8	-1,408.9	4.4	1,408.9	0.00	0.00	0.00
13,100.0	90.32	179.82	11,790.2	-1,508.9	4.8	1,508.9	0.00	0.00	0.00
13,200.0	90.32	179.82	11,789.7	-1,608.9	5.1	1,608.9	0.00	0.00	0.00
13,300.0	90.32	179.82	11,789.1	-1,708.9	5.4	1,708.9	0.00	0.00	0.00
13,400.0	90.32	179.82	11,788.5	-1,808.9	5.7	1,808.9	0.00	0.00	0.00
13,500.0	90.32	179.82	11,788.0	-1,908.9	6.0	1,908.9	0.00	0.00	0.00
13,600.0	90.32	179.82	11,787.4	-2,008.9	6.3	2,008.9	0.00	0.00	0.00
13,700.0	90.32	179.82	11,786.9	-2,108.9	6.7	2,108.9	0.00	0.00	0.00
13,800.0	90.32	179.82	11,786.3	-2,208.9	7.0	2,208.9	0.00	0.00	0.00
13,900.0	90.32	179.82	11,785.7	-2,308.9	7.3	2,308.9	0.00	0.00	0.00
14,000.0	90.32	179.82	11,785.2	-2,408.9	7.6	2,408.9	0.00	0.00	0.00
14,100.0	90.32	179.82	11,784.6	-2,508.9	7.9	2,508.9	0.00	0.00	0.00
14,200.0	90.32	179.82	11,784.0	-2,608.9	8.2	2,608.9	0.00	0.00	0.00
14,300.0	90.32	179.82	11,783.5	-2,708.9	8.5	2,708.9	0.00	0.00	0.00
14,400.0	90.32	179.82	11,782.9	-2,808.9	8.9	2,808.9	0.00	0.00	0.00
14,500.0	90.32	179.82	11,782.4	-2,908.9	9.2	2,908.9	0.00	0.00	0.00
14,600.0	90.32	179.82	11,781.8	-3,008.9	9.5	3,008.9	0.00	0.00	0.00
14,700.0	90.32	179.82	11,781.2	-3,108.9	9.8	3,108.9	0.00	0.00	0.00
14,800.0	90.32	179.82	11,780.7	-3,208.9	10.1	3,208.9	0.00	0.00	0.00
14,900.0	90.32	179.82	11,780.1	-3,308.9	10.4	3,308.9	0.00	0.00	0.00
15,000.0	90.32	179.82	11,779.6	-3,408.9	10.8	3,408.9	0.00	0.00	0.00
15,100.0	90.32	179.82	11,779.0	-3,508.9	11.1	3,508.9	0.00	0.00	0.00
15,200.0	90.32	179.82	11,778.4	-3,608.9	11.4	3,608.9	0.00	0.00	0.00
15,300.0	90.32	179.82	11,777.9	-3,708.9	11.7	3,708.9	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Armstrong 26/35 W0IP Fed Com #2H
Well: Sec 26, T25S, R31E
Wellbore: BHL: 330' FSL & 330' FEL, Sec 35
Design: Design #1

Local Co-ordinate Reference: Site Armstrong 26/35 W0IP Fed Com #2H
TVD Reference: WELL @ 3366.0usft (Original Well Elev)
MD Reference: WELL @ 3366.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,400.0	90.32	179.82	11,777.3	-3,808.9	12.0	3,808.9	0.00	0.00	0.00
15,500.0	90.32	179.82	11,776.8	-3,908.8	12.3	3,908.9	0.00	0.00	0.00
15,600.0	90.32	179.82	11,776.2	-4,008.8	12.7	4,008.9	0.00	0.00	0.00
15,700.0	90.32	179.82	11,775.6	-4,108.8	13.0	4,108.9	0.00	0.00	0.00
15,800.0	90.32	179.82	11,775.1	-4,208.8	13.3	4,208.9	0.00	0.00	0.00
15,900.0	90.32	179.82	11,774.5	-4,308.8	13.6	4,308.9	0.00	0.00	0.00
16,000.0	90.32	179.82	11,773.9	-4,408.8	13.9	4,408.9	0.00	0.00	0.00
16,100.0	90.32	179.82	11,773.4	-4,508.8	14.2	4,508.9	0.00	0.00	0.00
16,200.0	90.32	179.82	11,772.8	-4,608.8	14.5	4,608.9	0.00	0.00	0.00
16,300.0	90.32	179.82	11,772.3	-4,708.8	14.9	4,708.9	0.00	0.00	0.00
16,400.0	90.32	179.82	11,771.7	-4,808.8	15.2	4,808.9	0.00	0.00	0.00
16,500.0	90.32	179.82	11,771.1	-4,908.8	15.5	4,908.9	0.00	0.00	0.00
16,600.0	90.32	179.82	11,770.6	-5,008.8	15.8	5,008.9	0.00	0.00	0.00
16,700.0	90.32	179.82	11,770.0	-5,108.8	16.1	5,108.9	0.00	0.00	0.00
16,800.0	90.32	179.82	11,769.5	-5,208.8	16.4	5,208.8	0.00	0.00	0.00
16,900.0	90.32	179.82	11,768.9	-5,308.8	16.8	5,308.8	0.00	0.00	0.00
17,000.0	90.32	179.82	11,768.3	-5,408.8	17.1	5,408.8	0.00	0.00	0.00
17,100.0	90.32	179.82	11,767.8	-5,508.8	17.4	5,508.8	0.00	0.00	0.00
17,200.0	90.32	179.82	11,767.2	-5,608.8	17.7	5,608.8	0.00	0.00	0.00
17,300.0	90.32	179.82	11,766.6	-5,708.8	18.0	5,708.8	0.00	0.00	0.00
17,400.0	90.32	179.82	11,766.1	-5,808.8	18.3	5,808.8	0.00	0.00	0.00
17,500.0	90.32	179.82	11,765.5	-5,908.8	18.6	5,908.8	0.00	0.00	0.00
17,600.0	90.32	179.82	11,765.0	-6,008.8	19.0	6,008.8	0.00	0.00	0.00
17,700.0	90.32	179.82	11,764.4	-6,108.8	19.3	6,108.8	0.00	0.00	0.00
17,800.0	90.32	179.82	11,763.8	-6,208.8	19.6	6,208.8	0.00	0.00	0.00
17,900.0	90.32	179.82	11,763.3	-6,308.8	19.9	6,308.8	0.00	0.00	0.00
18,000.0	90.32	179.82	11,762.7	-6,408.8	20.2	6,408.8	0.00	0.00	0.00
18,100.0	90.32	179.82	11,762.2	-6,508.8	20.5	6,508.8	0.00	0.00	0.00
18,200.0	90.32	179.82	11,761.6	-6,608.8	20.9	6,608.8	0.00	0.00	0.00
18,300.0	90.32	179.82	11,761.0	-6,708.8	21.2	6,708.8	0.00	0.00	0.00
18,400.0	90.32	179.82	11,760.5	-6,808.8	21.5	6,808.8	0.00	0.00	0.00
18,500.0	90.32	179.82	11,759.9	-6,908.8	21.8	6,908.8	0.00	0.00	0.00
18,600.0	90.32	179.82	11,759.3	-7,008.8	22.1	7,008.8	0.00	0.00	0.00
18,700.0	90.32	179.82	11,758.8	-7,108.8	22.4	7,108.8	0.00	0.00	0.00
18,800.0	90.32	179.82	11,758.2	-7,208.8	22.7	7,208.8	0.00	0.00	0.00
18,900.0	90.32	179.82	11,757.7	-7,308.8	23.1	7,308.8	0.00	0.00	0.00
19,000.0	90.32	179.82	11,757.1	-7,408.8	23.4	7,408.8	0.00	0.00	0.00
19,100.0	90.32	179.82	11,756.5	-7,508.8	23.7	7,508.8	0.00	0.00	0.00
19,196.2	90.32	179.82	11,756.0	-7,605.0	24.0	7,605.0	0.00	0.00	0.00

BHL: 330' FSL & 330' FEL, Sec 35

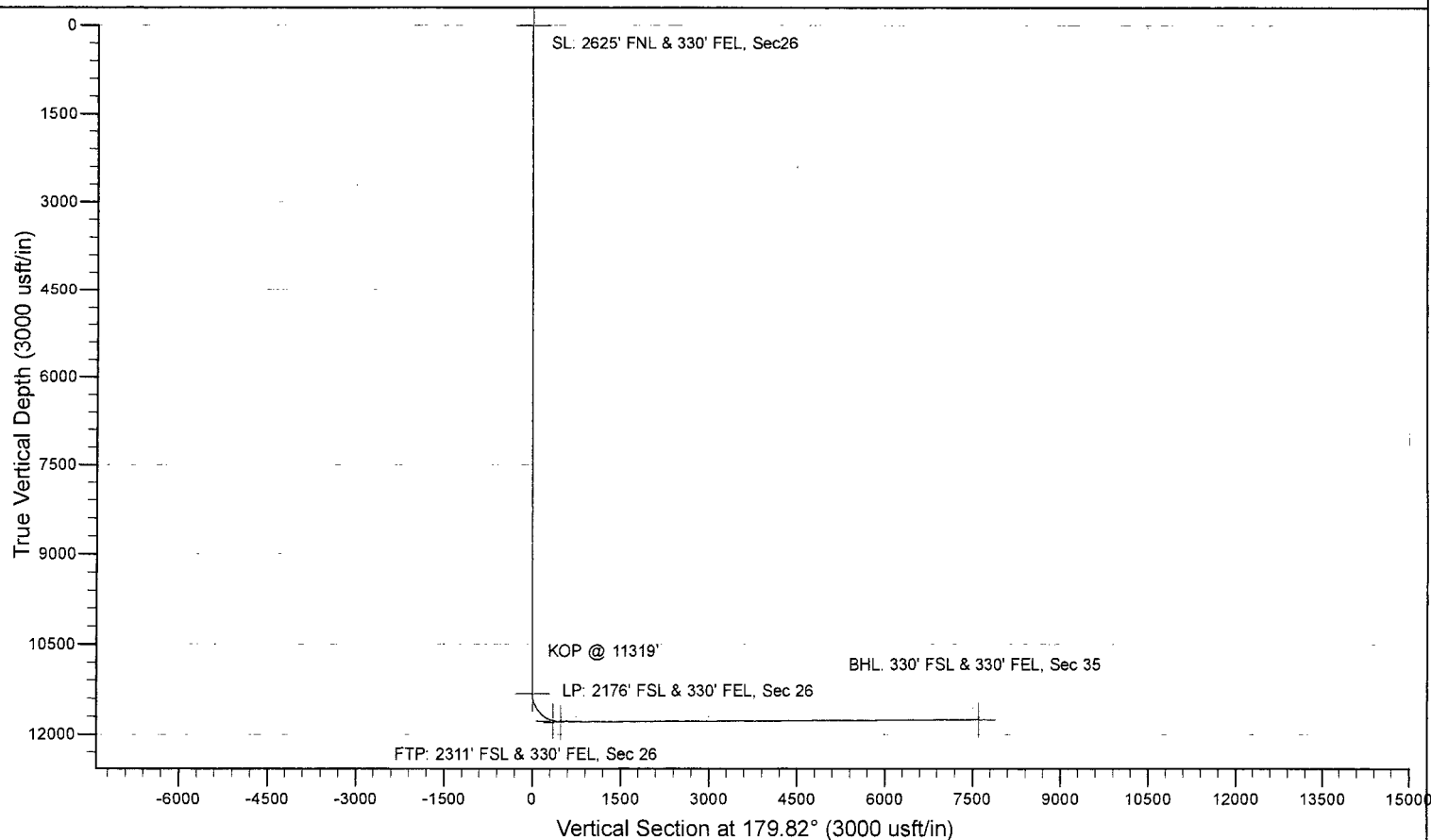
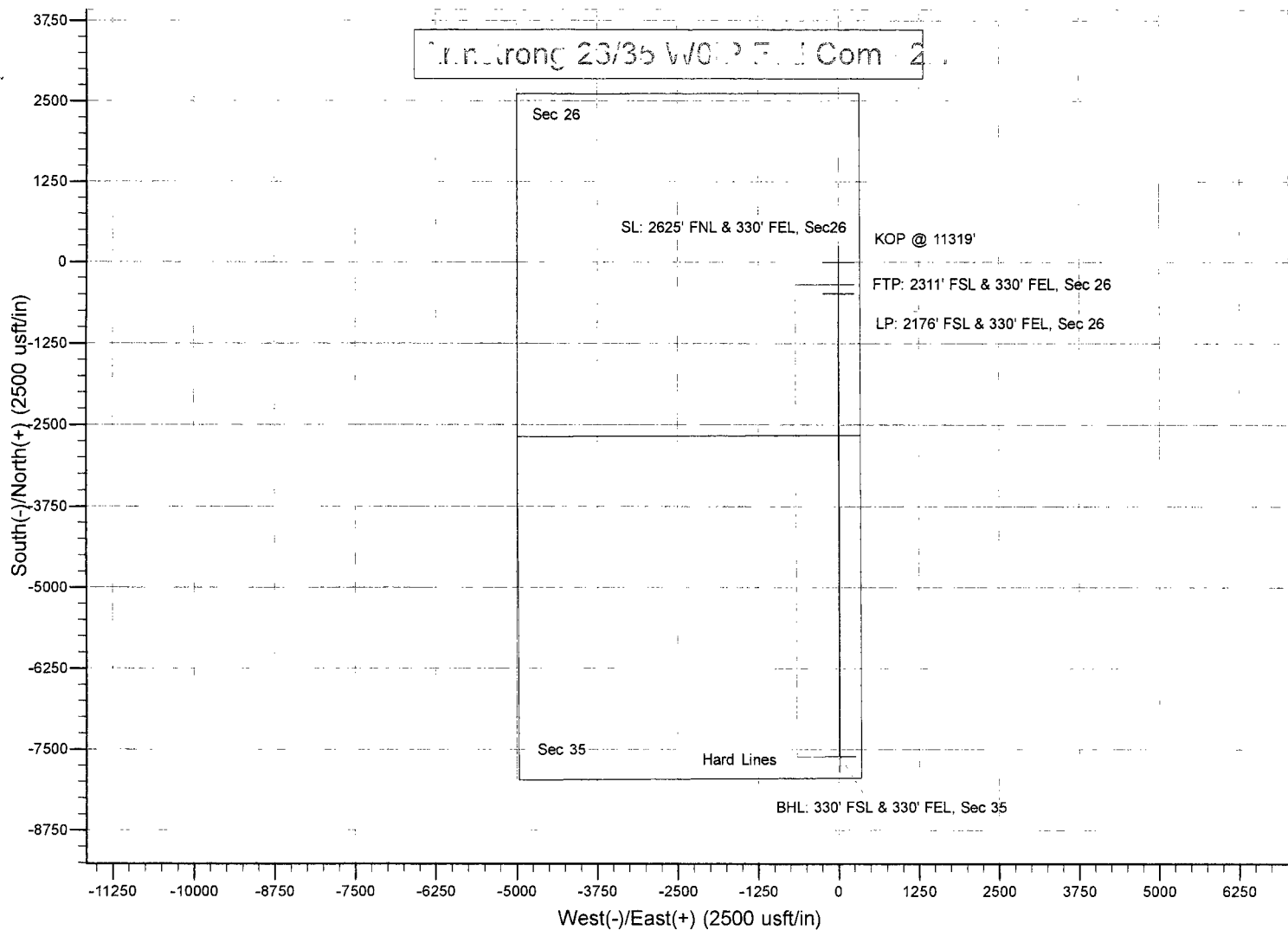
Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Armstrong 26/35 W01P Fed Com #2H
Well: Sec 26, T25S, R31E
Wellbore: BHL: 330' FSL & 330' FEL, Sec 35
Design: Design #1

Local Co-ordinate Reference: Site Armstrong 26/35 W01P Fed Com #2H
TVD Reference: WELL @ 3366.0usft (Original Well Elev)
MD Reference: WELL @ 3366.0usft (Original Well Elev)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
SL: 2625' FNL & 330' FE - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	401,040.00	683,487.00	32° 6' 4.280 N	103° 44' 26.817 W
KOP @ 11319' - plan hits target center - Point	0.00	0.00	11,318.5	0.0	0.0	401,040.00	683,487.00	32° 6' 4.280 N	103° 44' 26.817 W
BHL: 330' FSL & 330' FE - plan hits target center - Point	0.00	0.00	11,756.0	-7,605.0	24.0	393,435.00	683,511.00	32° 4' 49.019 N	103° 44' 27.024 W
FTP: 2311' FSL & 330' F - plan hits target center - Point	0.00	0.00	11,777.3	-345.0	1.1	400,695.00	683,488.08	32° 6' 0.866 N	103° 44' 26.827 W
LP: 2176' FSL & 330' FE - plan hits target center - Point	0.00	0.00	11,796.0	-480.1	1.5	400,559.90	683,488.50	32° 5' 59.529 N	103° 44' 26.831 W

Tr. n. rong 23/35 W01 P.F. 1 Com 2



CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Mewbourne Oil Company
LEASE NO.:	NMNM19619
WELL NAME & NO.:	2H-Armstrong 26 23 W1HA Fed Com
SURFACE HOLE FOOTAGE:	2625'/N & 330'/E
BOTTOM HOLE FOOTAGE:	330'/S & 330'/E Sec. 35
LOCATION:	Section 26, T.25 S., R.31 E., NMPM
COUNTY:	Lea County, New Mexico

A. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API 53.
2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
3. Operator has proposed a **multi-bowl wellhead assembly**. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. 10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

- a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
- b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.
- c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- d. The results of the test shall be reported to the appropriate BLM office.
- e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
- f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

CRW 082917