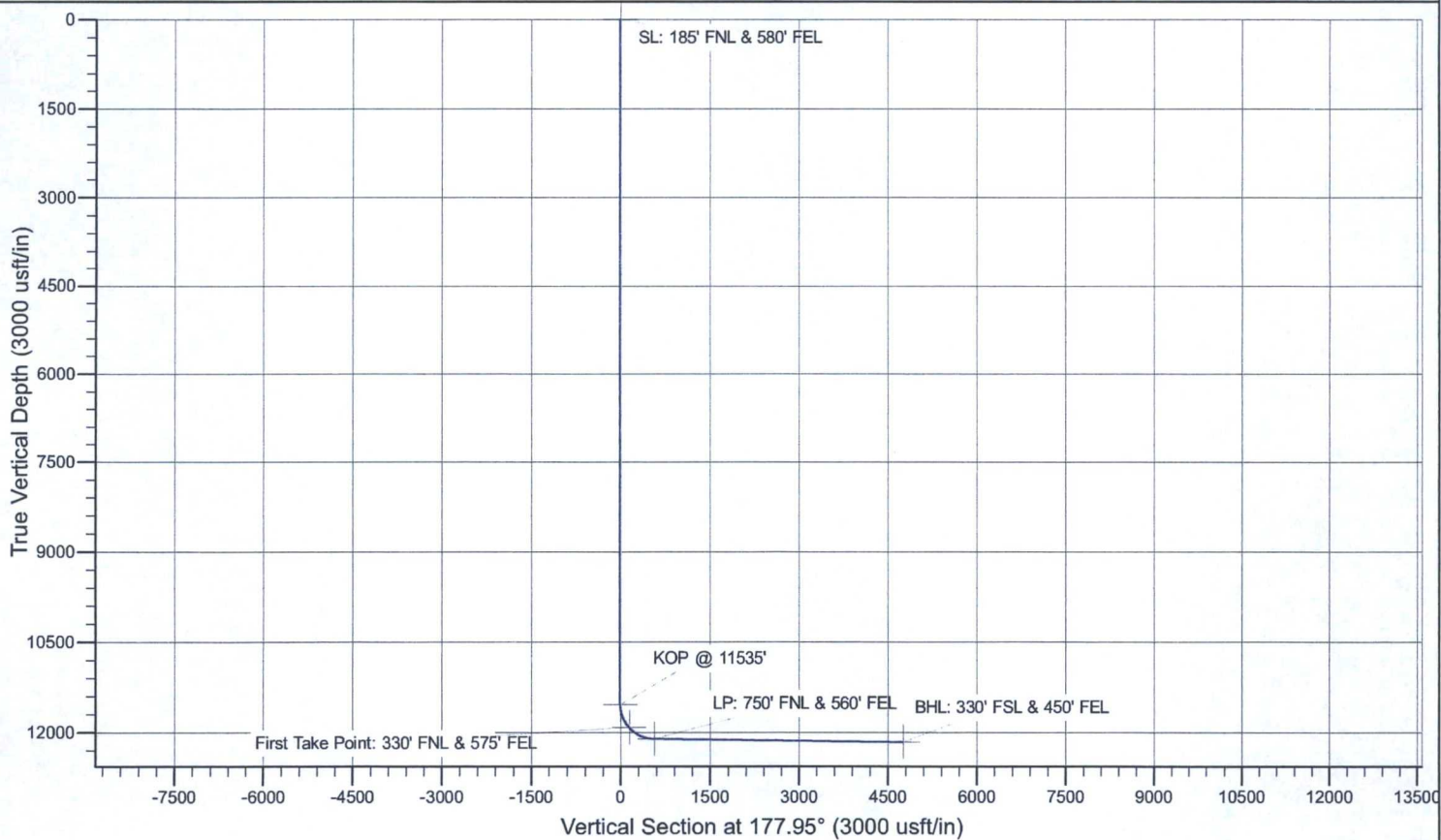
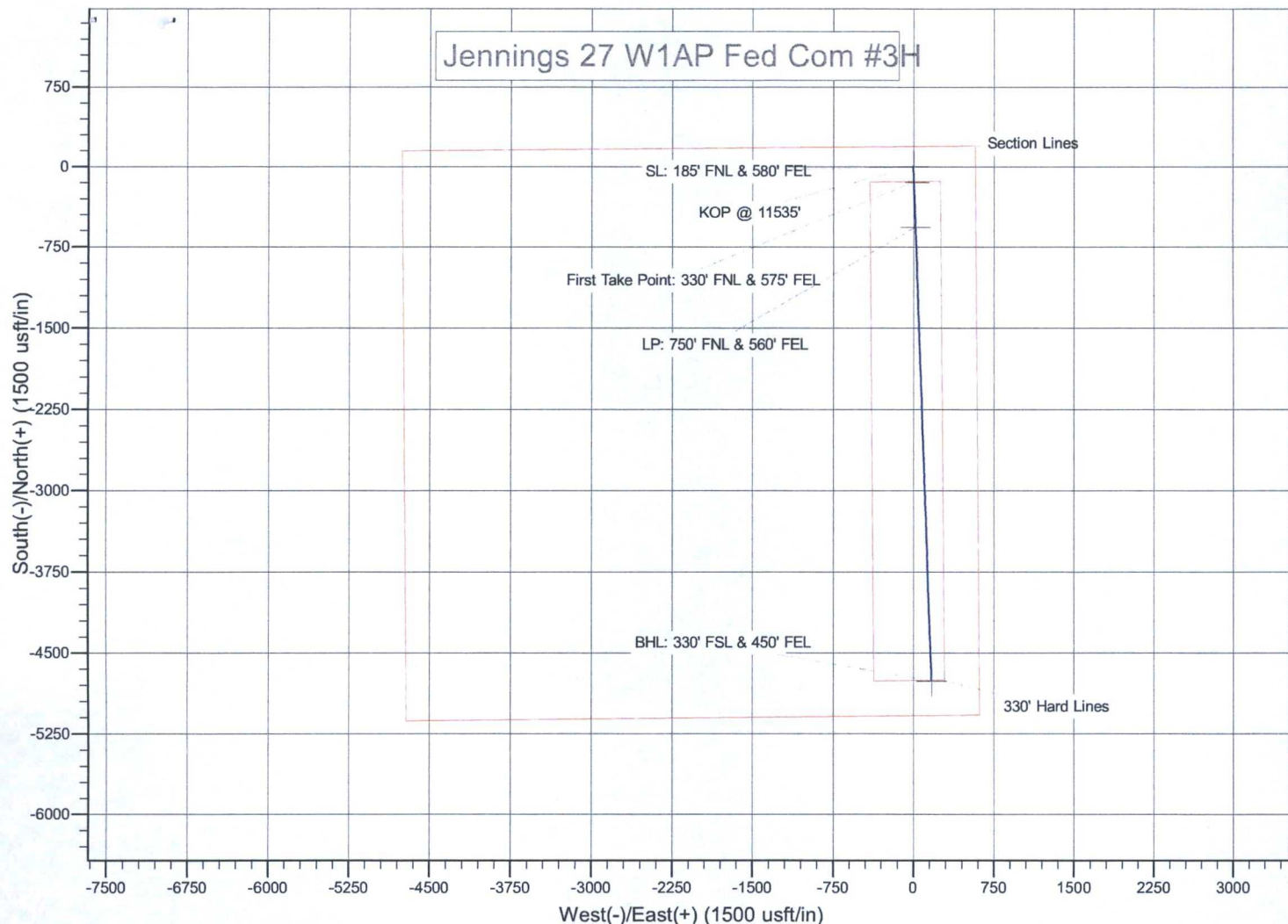


Jennings 27 W1AP Fed Com #3H



Mewbourne Oil Company

Lea County, New Mexico

Jennings 27 W1AP Fed Com #3H

Sec 27, T25S, R32E

SL: 185' FNL & 580' FEL

BHL: 330' FSL & 450' FEL

Plan: Design #1

Standard Planning Report

28 September, 2015

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Jennings 27 W1AP Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3428.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3428.0usft (Original Well Elev)
Site:	Jennings 27 W1AP Fed Com #3H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 450' 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		Jennings 27 W1AP Fed Com #3H			
Site Position:		Northing:	403,711.00 usft	Latitude:	32° 6' 29.176 N
From:	Map	Easting:	709,830.00 usft	Longitude:	103° 39' 20.381 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.36 °

Well	Sec 27, T25S, R32E					
Well Position	+N/-S	0.0 usft	Northing:	403,711.00 usft	Latitude:	32° 6' 29.176 N
	+E/-W	0.0 usft	Easting:	709,830.00 usft	Longitude:	103° 39' 20.381 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	3,428.0 usft	Ground Level:	3,401.0 usft

Wellbore	BHL: 330' FSL & 450' FEL				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/28/2015	7.09	59.96	48,109

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	177.95

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	
11,535.0	0.00	0.00	11,535.0	0.0	0.0	0.00	0.00	0.00	0.00	
12,428.3	89.32	177.95	12,108.0	-565.8	20.2	10.00	10.00	0.00	177.95	
16,625.4	89.32	177.95	12,158.0	-4,760.0	170.0	0.00	0.00	0.00	0.00	BHL: 330' FSL & 450'

Planning Report

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Project:	Lea County, New Mexico	MD Reference:	WELL @ 3428.0usft (Original Well Elev)
Site:	Jennings 27 W1AP Fed Com #3H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 450' 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' FNL & 580' 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

Planning Report

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Project:	Lea County, New Mexico	MD Reference:	WELL @ 3428.0usft (Original Well Elev)
Site:	Jennings 27 W1AP Fed Com #3H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 450' 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
9,500.0	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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Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 450' 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)	
10,700.0	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	
11,400.0	0.00	0.00	11,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
11,535.0	0.00	0.00	11,535.0	0.0	0.0	0.0	0.00	0.00	0.00	
KOP @ 11535'										
11,600.0	6.50	177.95	11,599.9	-3.7	0.1	3.7	10.00	10.00	0.00	
11,700.0	16.49	177.95	11,697.7	-23.6	0.8	23.6	10.00	10.00	0.00	
11,800.0	26.49	177.95	11,790.7	-60.1	2.1	60.2	10.00	10.00	0.00	
11,900.0	36.49	177.95	11,875.8	-112.3	4.0	112.4	10.00	10.00	0.00	
11,951.9	41.69	177.95	11,916.1	-145.0	5.2	145.1	10.00	10.00	0.00	
First Take Point: 330' FNL & 575' FEL										
12,000.0	46.49	177.95	11,950.6	-178.4	6.4	178.5	10.00	10.00	0.00	
12,100.0	56.49	177.95	12,012.8	-256.5	9.2	256.7	10.00	10.00	0.00	
12,200.0	66.49	177.95	12,060.5	-344.2	12.3	344.4	10.00	10.00	0.00	
12,300.0	76.49	177.95	12,092.2	-438.9	15.7	439.1	10.00	10.00	0.00	
12,400.0	86.49	177.95	12,107.0	-537.6	19.2	537.9	10.00	10.00	0.00	
12,428.3	89.32	177.95	12,108.0	-565.8	20.2	566.2	10.00	10.00	0.00	
LP: 750' FNL & 560' FEL										
12,500.0	89.32	177.95	12,108.9	-637.5	22.8	637.9	0.00	0.00	0.00	
12,600.0	89.32	177.95	12,110.0	-737.4	26.3	737.9	0.00	0.00	0.00	
12,700.0	89.32	177.95	12,111.2	-837.3	29.9	837.9	0.00	0.00	0.00	
12,800.0	89.32	177.95	12,112.4	-937.3	33.5	937.9	0.00	0.00	0.00	
12,900.0	89.32	177.95	12,113.6	-1,037.2	37.0	1,037.9	0.00	0.00	0.00	
13,000.0	89.32	177.95	12,114.8	-1,137.1	40.6	1,137.9	0.00	0.00	0.00	
13,100.0	89.32	177.95	12,116.0	-1,237.1	44.2	1,237.8	0.00	0.00	0.00	
13,200.0	89.32	177.95	12,117.2	-1,337.0	47.7	1,337.8	0.00	0.00	0.00	
13,300.0	89.32	177.95	12,118.4	-1,436.9	51.3	1,437.8	0.00	0.00	0.00	
13,400.0	89.32	177.95	12,119.6	-1,536.8	54.9	1,537.8	0.00	0.00	0.00	
13,500.0	89.32	177.95	12,120.8	-1,636.8	58.5	1,637.8	0.00	0.00	0.00	
13,600.0	89.32	177.95	12,122.0	-1,736.7	62.0	1,737.8	0.00	0.00	0.00	
13,700.0	89.32	177.95	12,123.1	-1,836.6	65.6	1,837.8	0.00	0.00	0.00	
13,800.0	89.32	177.95	12,124.3	-1,936.6	69.2	1,937.8	0.00	0.00	0.00	
13,900.0	89.32	177.95	12,125.5	-2,036.5	72.7	2,037.8	0.00	0.00	0.00	
14,000.0	89.32	177.95	12,126.7	-2,136.4	76.3	2,137.8	0.00	0.00	0.00	
14,100.0	89.32	177.95	12,127.9	-2,236.3	79.9	2,237.8	0.00	0.00	0.00	
14,200.0	89.32	177.95	12,129.1	-2,336.3	83.4	2,337.8	0.00	0.00	0.00	
14,300.0	89.32	177.95	12,130.3	-2,436.2	87.0	2,437.8	0.00	0.00	0.00	
14,400.0	89.32	177.95	12,131.5	-2,536.1	90.6	2,537.8	0.00	0.00	0.00	
14,500.0	89.32	177.95	12,132.7	-2,636.1	94.1	2,637.7	0.00	0.00	0.00	
14,600.0	89.32	177.95	12,133.9	-2,736.0	97.7	2,737.7	0.00	0.00	0.00	
14,700.0	89.32	177.95	12,135.1	-2,835.9	101.3	2,837.7	0.00	0.00	0.00	
14,800.0	89.32	177.95	12,136.3	-2,935.9	104.9	2,937.7	0.00	0.00	0.00	
14,900.0	89.32	177.95	12,137.4	-3,035.8	108.4	3,037.7	0.00	0.00	0.00	
15,000.0	89.32	177.95	12,138.6	-3,135.7	112.0	3,137.7	0.00	0.00	0.00	
15,100.0	89.32	177.95	12,139.8	-3,235.6	115.6	3,237.7	0.00	0.00	0.00	
15,200.0	89.32	177.95	12,141.0	-3,335.6	119.1	3,337.7	0.00	0.00	0.00	
15,300.0	89.32	177.95	12,142.2	-3,435.5	122.7	3,437.7	0.00	0.00	0.00	

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Jennings 27 W1AP Fed Com #3H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3428.0usft (Original Well Elev)
Project:	Lea County, New Mexico	MD Reference:	WELL @ 3428.0usft (Original Well Elev)
Site:	Jennings 27 W1AP Fed Com #3H	North Reference:	Grid
Well:	Sec 27, T25S, R32E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 330' FSL & 450' 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)
15,400.0	89.32	177.95	12,143.4	-3,535.4	126.3	3,537.7	0.00	0.00	0.00
15,500.0	89.32	177.95	12,144.6	-3,635.4	129.8	3,637.7	0.00	0.00	0.00
15,600.0	89.32	177.95	12,145.8	-3,735.3	133.4	3,737.7	0.00	0.00	0.00
15,700.0	89.32	177.95	12,147.0	-3,835.2	137.0	3,837.7	0.00	0.00	0.00
15,800.0	89.32	177.95	12,148.2	-3,935.1	140.5	3,937.7	0.00	0.00	0.00
15,900.0	89.32	177.95	12,149.4	-4,035.1	144.1	4,037.6	0.00	0.00	0.00
16,000.0	89.32	177.95	12,150.5	-4,135.0	147.7	4,137.6	0.00	0.00	0.00
16,100.0	89.32	177.95	12,151.7	-4,234.9	151.2	4,237.6	0.00	0.00	0.00
16,200.0	89.32	177.95	12,152.9	-4,334.9	154.8	4,337.6	0.00	0.00	0.00
16,300.0	89.32	177.95	12,154.1	-4,434.8	158.4	4,437.6	0.00	0.00	0.00
16,400.0	89.32	177.95	12,155.3	-4,534.7	162.0	4,537.6	0.00	0.00	0.00
16,500.0	89.32	177.95	12,156.5	-4,634.6	165.5	4,637.6	0.00	0.00	0.00
16,600.0	89.32	177.95	12,157.7	-4,734.6	169.1	4,737.6	0.00	0.00	0.00
16,625.4	89.32	177.95	12,158.0	-4,760.0	170.0	4,763.0	0.00	0.00	0.00
BHL: 330' FSL & 450' FEL									

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' FNL & 580' FEL - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	403,711.00	709,830.00	32° 6' 29.176 N	103° 39' 20.381 W
KOP @ 11535' - plan hits target center - Point	0.00	0.00	11,535.0	0.0	0.0	403,711.00	709,830.00	32° 6' 29.176 N	103° 39' 20.381 W
First Take Point: 330' FN - plan hits target center - Point	0.00	0.00	11,916.1	-145.0	5.2	403,566.00	709,835.17	32° 6' 27.741 N	103° 39' 20.331 W
LP: 750' FNL & 560' FEL - plan hits target center - Point	0.00	0.01	12,108.0	-565.8	20.2	403,145.20	709,850.20	32° 6' 23.576 N	103° 39' 20.188 W
BHL: 330' FSL & 450' FE - plan hits target center - Point	0.00	0.00	12,158.0	-4,760.0	170.0	398,951.00	710,000.00	32° 5' 42.061 N	103° 39' 18.753 W



GATES E & S NORTH AMERICA, INC.
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: Tim.Cantu@gates.com
WEB: www.gates.com

10K CEMENTING ASSEMBLY PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	4/30/2015
Customer Ref. :	4060578	Hose Serial No.:	D-043015-7
Invoice No. :	500506	Created By:	JUSTIN CROPPER
Product Description:	10K3.548.0CK4.1/1610KFLGE/E LE		
End Fitting 1 :	4 1/16 10K FLG	End Fitting 2 :	4 1/16 10K FLG
Gates Part No. :	4773-6290	Assembly Code :	L36554102914D-043015-7
Working Pressure :	10,000 PSI	Test Pressure :	15,000 PSI

Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 15,000 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality Manager :
Date :
Signature :

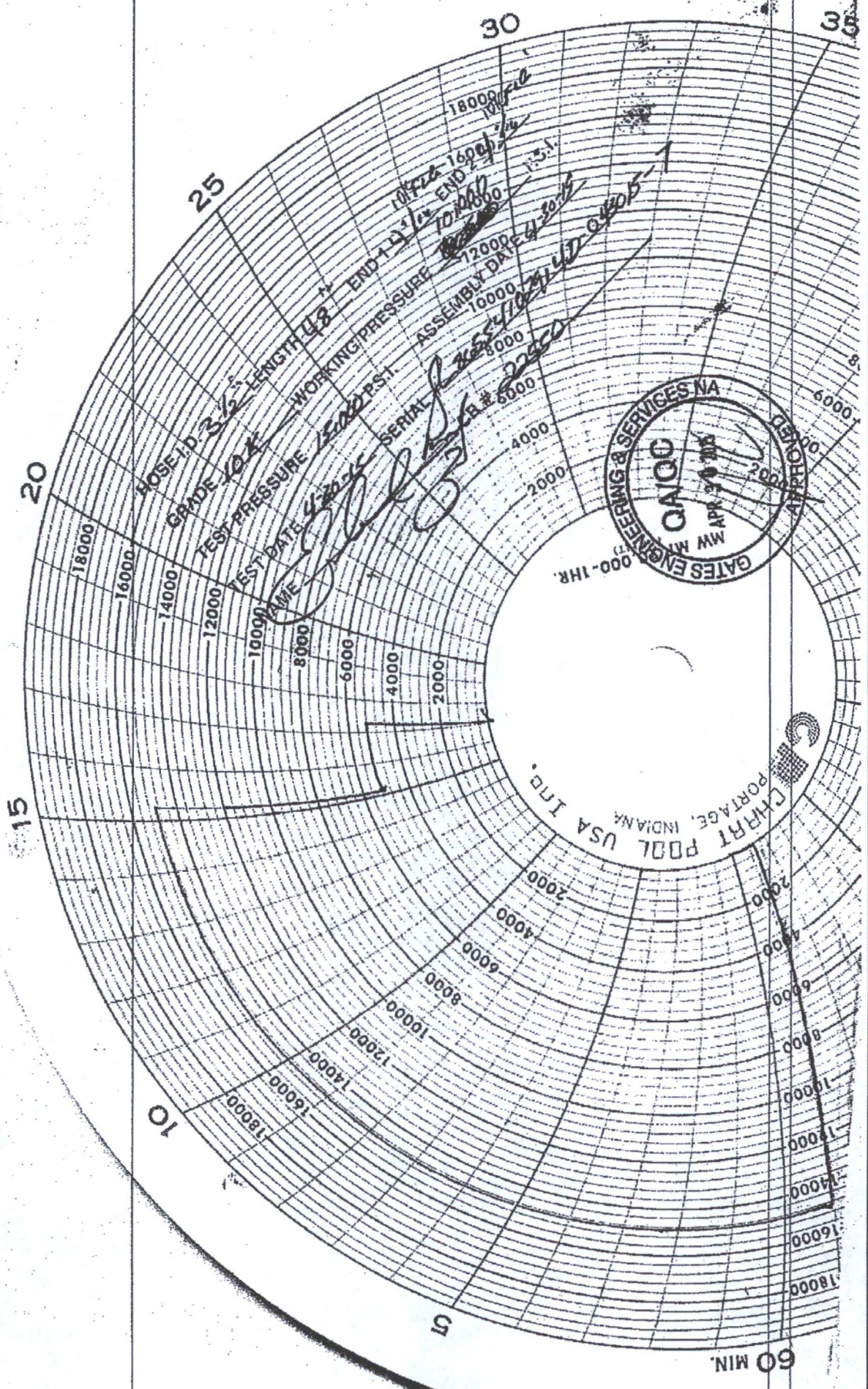
QUALITY
4/30/2015
<i>Justin Cropper</i>

Production:
Date :
Signature :

PRODUCTION
4/30/2015
<i>Justin Cropper</i>

Form PTC - 01 Rev.02





HOSE ID. 3 1/2" LENGTH 48' END 1 1/2" END 1 1/2"
GRADE 10% TEST PRESSURE 15000 PSI. WORKING PRESSURE 10000 PSI.
TEST DATE 4-20-75 ASSEMBLY DATE 4-20-75
NAME [Signature] SERIAL # 6000
[Signature] 2500

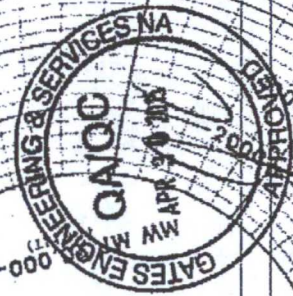


CHART POOL USA INC.
PORTAGE, INDIANA

60 MIN.

11" 5M BOPE & Closed Loop Equipment Schematic

Exhibit 2
Well Name: Jennings 27 W1AP Fed Com #3H