

Mewbourne Oil Company

Eddy County, New Mexico

Slider 18 W2MD Fed Com #1H

Sec 18, T23S, R27E

SL 185 FSL & 330' FWL

BHL 330' FNL & 330' FWL

Plan Design #1

Standard Planning Report

03 June, 2015

EXHIBIT

9

Planning Report

Database	Hobbs	Local Co ordinate Reference	Site Slider 18 W2MD Fed Com #1H
Company	Mewbourne Oil Company	TVD Reference	WELL @ 3244 0usft (Original Well Elev)
Project	Eddy County New Mexico	MD Reference	WELL @ 3244 0usft (Original Well Elev)
Site	Slider 18 W2MD Fed Com #1H	North Reference	Gnd
Well	Sec 18 T23S R27E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FNL & 330 FWL		
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		Slider 18 W2MD Fed Com #1H			
Site Position		Northing	472 072 60 usft	Latitude	32 17 52 104 N
From	Map	Easting	530 002 50 usft	Longitude	104 14 10 443 W
Position Uncertainty	0 0 usft	Slot Radius	13 3/16	Grid Convergence	0 05

Well	Sec 18 T23S R27E					
Well Position	+N- S	0 0 usft	Northing	472 072 60 usft	Latitude	32 17 52 104 N
	+E/ W	0 0 usft	Easting	530 002 50 usft	Longitude	104 14 10 443 W
Position Uncertainty		0 0 usft	Wellhead Elevation	3 244 0 usft	Ground Level	3 219 0 usft

Wellbore						BHL 330 FNL & 330 FWL					
Magnetics		Model Name		Sample Date		Declination ()		Dip Angle ()		Field Strength (nT)	
		IGRF200510		12/31/2009		8 06		60 19		48 764	

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 ()
F	0 0	0 0	0 0	0 34

Plan Sections										
Measured Depth (usft)	Inclination ()	Azimuth ()	Vertical Depth (usft)	+N/ S (usft)	+E/ W (usft)	Dogleg Rate (/100usft)	Bulid 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	
8 900 0	0 00	0 00	8 900 0	0 0	0 0	0 00	0 00	0 00	0 00	
9 802 0	90 19	0 34	9 473 0	574 9	3 4	10 00	10 00	0 00	0 34	
14 012 8	90 19	0 34	9 459 0	4 785 6	28 7	0 00	0 00	0 00	0 00	PBHL 330 FNL & 330

Planning Report

Database	Hobbs	Local Co ordinate Reference	Site Slider 18 W2MD Fed Com #1H
Company	Mewbourne Oil Company	TVD Reference	WELL @ 3244 0usft (Original Well Elev)
Project	Eddy County New Mexico	MD Reference	WELL @ 3244 0usft (Original Well Elev)
Site	Slider 18 W2MD Fed Com #1H	North Reference	Grid
Well	Sec 18 T23S R27E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FNL & 330 FWL		
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 FWL									
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

Database	Hobbs	Local Co ordinate Reference	Site Slider 18 W2MD Fed Com #1H
Company	Mewbourne Oil Company	TVD Reference	WELL @ 3244 0usft (Original Well Elev)
Project	Eddy County New Mexico	MD Reference	WELL @ 3244 0usft (Original Well Elev)
Site	Slider 18 W2MD Fed Com #1H	North Reference	Grid
Well	Sec 18 T23S R27E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FNL & 330 FWL		
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
KOP @ 8900									
9 000 0	10 00	0 34	8 999 5	8 7	0 1	8 7	10 00	10 00	0 00
9 100 0	20 00	0 34	9 096 0	34 6	0 2	34 6	10 00	10 00	0 00
9 200 0	30 00	0 34	9 186 5	76 8	0 5	76 8	10 00	10 00	0 00
9 300 0	40 00	0 34	9 268 3	134 0	0 8	134 0	10 00	10 00	0 00
9 316 8	41 67	0 34	9 281 0	145 0	0 9	145 0	10 00	10 00	0 00
FTP 330 FSL & 330 FWL									
9 400 0	50 00	0 34	9 338 9	204 6	1 2	204 7	10 00	10 00	0 00
9 500 0	60 00	0 34	9 396 2	286 5	1 7	286 5	10 00	10 00	0 00
9 600 0	69 99	0 34	9 438 4	377 0	2 3	377 0	10 00	10 00	0 00
9 700 0	79 99	0 34	9 464 3	473 4	2 8	473 4	10 00	10 00	0 00
9 800 0	89 99	0 34	9 473 0	572 9	3 4	572 9	10 00	10 00	0 00
9 802 0	90 19	0 34	9 473 0	574 9	3 4	574 9	9 99	9 99	0 00
LP 765 FSL & 330 FWL									
9 900 0	90 19	0 34	9 472 7	672 9	4 0	672 9	0 00	0 00	0 00
10 000 0	90 19	0 34	9 472 3	772 9	4 6	772 9	0 00	0 00	0 00

Planning Report

Database	Hobbs	Local Co ordinate Reference	Site Slider 18 W2MD Fed Com #1H
Company	Mewbourne Oil Company	TVD Reference	WELL @ 3244 0usft (Original Well Elev)
Project	Eddy County New Mexico	MD Reference	WELL @ 3244 0usft (Original Well Elev)
Site	Slider 18 W2MD Fed Com #1H	North Reference	Grid
Well	Sec 18 T23S R27E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FNL & 330 FWL		
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)
10 100 0	90 19	0 34	9 472 0	872 9	5 2	872 9	0 00	0 00	0 00
10 200 0	90 19	0 34	9 471 7	972 9	5 8	972 9	0 00	0 00	0 00
10 300 0	90 19	0 34	9 471 3	1 072 9	6 4	1 072 9	0 00	0 00	0 00
10 400 0	90 19	0 34	9 471 0	1 172 9	7 0	1 172 9	0 00	0 00	0 00
10 500 0	90 19	0 34	9 470 7	1 272 9	7 6	1 272 9	0 00	0 00	0 00
10 600 0	90 19	0 34	9 470 3	1 372 9	8 2	1 372 9	0 00	0 00	0 00
10 700 0	90 19	0 34	9 470 0	1 472 9	8 8	1 472 9	0 00	0 00	0 00
10 800 0	90 19	0 34	9 469 7	1 572 9	9 4	1 572 9	0 00	0 00	0 00
10 900 0	90 19	0 34	9 469 3	1 672 9	10 0	1 672 9	0 00	0 00	0 00
11 000 0	90 19	0 34	9 469 0	1 772 9	10 6	1 772 9	0 00	0 00	0 00
11 100 0	90 19	0 34	9 468 7	1 872 9	11 2	1 872 9	0 00	0 00	0 00
11 200 0	90 19	0 34	9 468 4	1 972 9	11 8	1 972 9	0 00	0 00	0 00
11 300 0	90 19	0 34	9 468 0	2 072 9	12 4	2 072 9	0 00	0 00	0 00
11 400 0	90 19	0 34	9 467 7	2 172 9	13 0	2 172 9	0 00	0 00	0 00
11 500 0	90 19	0 34	9 467 4	2 272 9	13 6	2 272 9	0 00	0 00	0 00
11 600 0	90 19	0 34	9 467 0	2 372 9	14 2	2 372 9	0 00	0 00	0 00
11 700 0	90 19	0 34	9 466 7	2 472 9	14 8	2 472 9	0 00	0 00	0 00
11 800 0	90 19	0 34	9 466 4	2 572 9	15 4	2 572 9	0 00	0 00	0 00
11 900 0	90 19	0 34	9 466 0	2 672 9	16 0	2 672 9	0 00	0 00	0 00
12 000 0	90 19	0 34	9 465 7	2 772 9	16 6	2 772 9	0 00	0 00	0 00
12 100 0	90 19	0 34	9 465 4	2 872 9	17 2	2 872 9	0 00	0 00	0 00
12 200 0	90 19	0 34	9 465 0	2 972 9	17 8	2 972 9	0 00	0 00	0 00
12 300 0	90 19	0 34	9 464 7	3 072 9	18 4	3 072 9	0 00	0 00	0 00
12 400 0	90 19	0 34	9 464 4	3 172 9	19 0	3 172 9	0 00	0 00	0 00
12 500 0	90 19	0 34	9 464 0	3 272 9	19 6	3 272 9	0 00	0 00	0 00
12 600 0	90 19	0 34	9 463 7	3 372 9	20 2	3 372 9	0 00	0 00	0 00
12 700 0	90 19	0 34	9 463 4	3 472 9	20 8	3 472 9	0 00	0 00	0 00
12 800 0	90 19	0 34	9 463 0	3 572 9	21 4	3 572 9	0 00	0 00	0 00
12 900 0	90 19	0 34	9 462 7	3 672 8	22 0	3 672 9	0 00	0 00	0 00
13 000 0	90 19	0 34	9 462 4	3 772 8	22 6	3 772 9	0 00	0 00	0 00
13 100 0	90 19	0 34	9 462 0	3 872 8	23 2	3 872 9	0 00	0 00	0 00
13 200 0	90 19	0 34	9 461 7	3 972 8	23 8	3 972 9	0 00	0 00	0 00
13 300 0	90 19	0 34	9 461 4	4 072 8	24 4	4 072 9	0 00	0 00	0 00
13 400 0	90 19	0 34	9 461 0	4 172 8	25 0	4 172 9	0 00	0 00	0 00
13 500 0	90 19	0 34	9 460 7	4 272 8	25 6	4 272 9	0 00	0 00	0 00
13 600 0	90 19	0 34	9 460 4	4 372 8	26 2	4 372 9	0 00	0 00	0 00
13 700 0	90 19	0 34	9 460 0	4 472 8	26 8	4 472 9	0 00	0 00	0 00
13 800 0	90 19	0 34	9 459 7	4 572 8	27 4	4 572 9	0 00	0 00	0 00
13 900 0	90 19	0 34	9 459 4	4 672 8	28 0	4 672 9	0 00	0 00	0 00
14 000 0	90 19	0 34	9 459 0	4 772 8	28 6	4 772 9	0 00	0 00	0 00
14 012 8	90 19	0 34	9 459 0	4 785 6	28 7	4 785 7	0 00	0 00	0 00

PBHL 330 FNL & 330 FWL

Planning Report

Database	Hobbs	Local Co ordinate Reference	Site Slider 18 W2MD Fed Com #1H
Company	Mewbourne Oil Company	TVD Reference	WELL @ 3244 0usft (Original Well Elev)
Project	Eddy County New Mexico	MD Reference	WELL @ 3244 0usft (Original Well Elev)
Site	Slider 18 W2MD Fed Com #1H	North Reference	Grid
Well	Sec 18 T23S R27E	Survey Calculation Method	Minimum Curvature
Wellbore	BHL 330 FNL & 330 FWL		
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 FWL plan hits target center Point	0 00	0 00	0 0	0 0	0 0	472 072 60	530 002 50	32 17 52 104 N	104 14 10 443 W
KOP @ 8900 plan hits target center Point	0 00	0 00	8 900 0	0 0	0 0	472 072 60	530 002 50	32 17 52 104 N	104 14 10 443 W
FTP 330 FSL & 330 FWL plan hits target center Point	0 00	0 00	9 281 0	145 0	0 9	472 217 60	530 003 40	32 17 53 539 N	104 14 10 431 W
PBHL 330 FNL & 330 F plan hits target center Point	0 00	0 00	9 459 0	4 785 6	28 7	476 858 20	530 031 20	32 18 39 464 N	104 14 10 059 W
LP 765 FSL & 330 FWL plan hits target center Point	0 00	0 00	9 473 0	574 9	3 4	472 647 50	530 005 90	32 17 57 794 N	104 14 10 398 W

