



Mewbourne Oil Company

EDDY COUNTY, NM (NAD27)

SECTION 4

Burton 4 IL Federal Com #1H

Wellbore #1

Plan: Proposal 1

Standard Planning Report

19 April, 2013

SL: 1855 FSL & 150 FEL

LP: 1855 FSL & 632 FEL

BHL: 1855 FSL & 330 FWL

Sec 4/20S/29E

Oil Conservation Division
Case No. 9
Exhibit No. 1





Stryker Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Burton 4 IL Federal Com #1H
Company:	Meybourne Oil Company	TVD Reference:	WELL @ 3349.0usft (Original Well Elev)
Project:	EDDY COUNTY, NM (NAD27)	MD Reference:	WELL @ 3349.0usft (Original Well Elev)
Site:	SECTION 4	North Reference:	Grid
Well:	Burton 4 IL Federal Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Proposal 1		

Project	EDDY COUNTY, NM (NAD27), NM-EAST		
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	SECTION 4		
Site Position:	Map	Northings:	582,178.47 usft
From:		Easting:	580,652.11 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 36' 0.866 N
		Longitude:	104° 4' 17.187 W
		Grid Convergence:	0.14 °

Well	Burton 4 IL Federal Com #1H		
Well Position	+N/-S	0.0 usft	Northings:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:
			3,329.0 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	4/19/2013	(°)
			7.62
			Dip Angle
			(°)
			60.40
			Field Strength
			(nT)
			48,604

Design	Proposal 1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			269.72

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,516.8	0.00	0.00	7,516.8	0.0	0.0	0.00	0.00	0.00	0.00	
8,271.8	90.60	269.72	7,994.2	-2.4	-482.5	12.00	12.00	0.00	269.72	
12,588.0	90.60	269.72	7,949.0	-23.6	-4,798.4	0.00	0.00	0.00	0.00	PBHL Burton 4 IL Fed



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Well:	Burton 4 IL Federal Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Proposal 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



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Wellbore:	Wellbore #1		
Design:	Proposal 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
7,100.0	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
7,516.8	0.00	0.00	7,516.8	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 7516.8 MD									
7,600.0	9.99	269.72	7,599.6	0.0	-7.2	7.2	12.00	12.00	0.00
7,700.0	21.99	269.72	7,695.5	-0.2	-34.7	34.7	12.00	12.00	0.00
7,800.0	33.99	269.72	7,783.7	-0.4	-81.6	81.6	12.00	12.00	0.00
7,900.0	45.99	269.72	7,860.2	-0.7	-145.7	145.7	12.00	12.00	0.00
8,000.0	57.99	269.72	7,921.6	-1.1	-224.4	224.4	12.00	12.00	0.00
8,100.0	69.99	269.72	7,965.4	-1.5	-314.1	314.1	12.00	12.00	0.00
8,200.0	81.99	269.72	7,989.6	-2.0	-410.9	410.9	12.00	12.00	0.00
8,266.8	90.00	269.72	7,994.2	-2.3	-477.5	477.5	12.00	12.00	0.00
LP Burton 4 IL Federal Com #1H									
8,271.8	90.60	269.72	7,994.2	-2.4	-482.5	482.5	12.00	12.00	0.00
LP @ 8271.8 MD									
8,300.0	90.60	269.72	7,993.9	-2.5	-510.7	510.7	0.00	0.00	0.00
8,400.0	90.60	269.72	7,992.9	-3.0	-610.7	610.7	0.00	0.00	0.00
8,500.0	90.60	269.72	7,991.8	-3.5	-710.7	710.7	0.00	0.00	0.00
8,600.0	90.60	269.72	7,990.8	-4.0	-810.7	810.7	0.00	0.00	0.00
8,700.0	90.60	269.72	7,989.7	-4.5	-910.7	910.7	0.00	0.00	0.00
8,800.0	90.60	269.72	7,988.7	-5.0	-1,010.7	1,010.7	0.00	0.00	0.00
8,900.0	90.60	269.72	7,987.6	-5.5	-1,110.7	1,110.7	0.00	0.00	0.00
9,000.0	90.60	269.72	7,986.6	-6.0	-1,210.7	1,210.7	0.00	0.00	0.00
9,100.0	90.60	269.72	7,985.5	-6.4	-1,310.6	1,310.7	0.00	0.00	0.00
9,200.0	90.60	269.72	7,984.5	-6.9	-1,410.6	1,410.7	0.00	0.00	0.00
9,300.0	90.60	269.72	7,983.4	-7.4	-1,510.6	1,510.6	0.00	0.00	0.00
9,400.0	90.60	269.72	7,982.4	-7.9	-1,610.6	1,610.6	0.00	0.00	0.00
9,500.0	90.60	269.72	7,981.3	-8.4	-1,710.6	1,710.6	0.00	0.00	0.00
9,600.0	90.60	269.72	7,980.3	-8.9	-1,810.6	1,810.6	0.00	0.00	0.00
9,700.0	90.60	269.72	7,979.2	-9.4	-1,910.6	1,910.6	0.00	0.00	0.00
9,800.0	90.60	269.72	7,978.2	-9.9	-2,010.6	2,010.6	0.00	0.00	0.00
9,900.0	90.60	269.72	7,977.1	-10.4	-2,110.6	2,110.6	0.00	0.00	0.00
10,000.0	90.60	269.72	7,976.1	-10.9	-2,210.6	2,210.6	0.00	0.00	0.00



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Design:	Proposal 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	90.60	269.72	7,975.1	-11.4	-2,310.6	2,310.6	0.00	0.00	0.00	
10,200.0	90.60	269.72	7,974.0	-11.9	-2,410.6	2,410.6	0.00	0.00	0.00	
10,300.0	90.60	269.72	7,973.0	-12.4	-2,510.6	2,510.6	0.00	0.00	0.00	
10,400.0	90.60	269.72	7,971.9	-12.8	-2,610.6	2,610.6	0.00	0.00	0.00	
10,500.0	90.60	269.72	7,970.9	-13.3	-2,710.5	2,710.6	0.00	0.00	0.00	
10,600.0	90.60	269.72	7,969.8	-13.8	-2,810.5	2,810.6	0.00	0.00	0.00	
10,700.0	90.60	269.72	7,968.8	-14.3	-2,910.5	2,910.6	0.00	0.00	0.00	
10,800.0	90.60	269.72	7,967.7	-14.8	-3,010.5	3,010.6	0.00	0.00	0.00	
10,900.0	90.60	269.72	7,966.7	-15.3	-3,110.5	3,110.6	0.00	0.00	0.00	
11,000.0	90.60	269.72	7,965.6	-15.8	-3,210.5	3,210.6	0.00	0.00	0.00	
11,100.0	90.60	269.72	7,964.6	-16.3	-3,310.5	3,310.5	0.00	0.00	0.00	
11,200.0	90.60	269.72	7,963.5	-16.8	-3,410.5	3,410.5	0.00	0.00	0.00	
11,300.0	90.60	269.72	7,962.5	-17.3	-3,510.5	3,510.5	0.00	0.00	0.00	
11,400.0	90.60	269.72	7,961.4	-17.8	-3,610.5	3,610.5	0.00	0.00	0.00	
11,500.0	90.60	269.72	7,960.4	-18.3	-3,710.5	3,710.5	0.00	0.00	0.00	
11,600.0	90.60	269.72	7,959.3	-18.7	-3,810.5	3,810.5	0.00	0.00	0.00	
11,700.0	90.60	269.72	7,958.3	-19.2	-3,910.5	3,910.5	0.00	0.00	0.00	
11,800.0	90.60	269.72	7,957.3	-19.7	-4,010.5	4,010.5	0.00	0.00	0.00	
11,900.0	90.60	269.72	7,956.2	-20.2	-4,110.5	4,110.5	0.00	0.00	0.00	
12,000.0	90.60	269.72	7,955.2	-20.7	-4,210.4	4,210.5	0.00	0.00	0.00	
12,100.0	90.60	269.72	7,954.1	-21.2	-4,310.4	4,310.5	0.00	0.00	0.00	
12,200.0	90.60	269.72	7,953.1	-21.7	-4,410.4	4,410.5	0.00	0.00	0.00	
12,300.0	90.60	269.72	7,952.0	-22.2	-4,510.4	4,510.5	0.00	0.00	0.00	
12,400.0	90.60	269.72	7,951.0	-22.7	-4,610.4	4,610.5	0.00	0.00	0.00	
12,500.0	90.60	269.72	7,949.9	-23.2	-4,710.4	4,710.5	0.00	0.00	0.00	
12,588.0	90.60	269.72	7,949.0	-23.6	-4,798.4	4,798.5	0.00	0.00	0.00	
TD at 12588.0 MD - PBHL Burton 4 IL Federal Com #1H										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
PBHL Burton 4 IL Federal	0.00	0.00	7,949.0	-23.6	-4,798.4	582,154.86	575,853.71	32° 36' 0.746 N	104° 5' 13.280 W	
- plan hits target center										
- Point										
LP Burton 4 IL Federal C	0.00	0.00	7,994.0	-2.3	-477.5	582,176.13	580,174.61	32° 36' 0.855 N	104° 4' 22.769 W	
- plan misses target center by 0.2usft at 8266.8usft MD (7994.2 TVD, -2.3 N, -477.5 E)										
- Point										

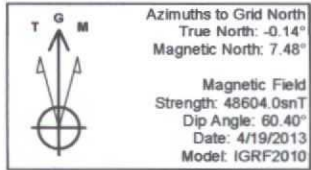
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,516.8	7,516.8	0.0	0.0	KOP @ 7516.8 MD	
8,271.8	7,994.2	-2.4	-482.5	LP @ 8271.8 MD	
12,588.0	7,949.0	-23.6	-4,798.4	TD at 12588.0 MD	



COMPANY: Mewbourne Oil Company
 WELL: Burton 4 IL Federal Com #1H
 COUNTY: EDDY COUNTY, NM (NAD27)
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: PATTERSON #45
 GRID CORRECTION: 7.48" E



OFFICE: 936.582.7296 PLANNING: 214.784.3778



GEODETTIC ZONE: New Mexico East 3001					
WELL @ 3349.0usft (Original Well Elev)					
GROUND ELEVATION: 3329.0					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	582178.46	580652.10	32° 36' 0.866 N	104° 4' 17.187 W

CRITICAL POINTS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation	
7516.8	7516.8	0.00	0.00	0.0	0.0	0.0	0.0	KOP @ 7516.8 MD	
7994.2	8271.8	90.60	269.72	-2.4	-482.5	482.5	482.5	LP @ 8271.8 MD	
7949.0	12588.0	90.60	269.72	-23.6	-4798.4	4798.5	4798.5	TD at 12588.0 MD	

CREATED BY: BRANDON ESTES
 DATE: 16:50, April 19 2013
 PLAN: Proposal 1

