

Mewbourne Oil Company

Eddy County, New Mexico

Gobbler 5 B2IL State Com #1H

Sec 5, T19S, R29E

SL: 1750' FSL & 300' FEL

BHL: 1750' FSL & 330' FWL

Plan: Design #1

Standard Planning Report

13 August, 2015

Oil Conservation Division

Case No. 12

Exhibit No. 1

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Gobbler 5 B2IL State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3417.0usft (Original Well Elev)
Project:	Eddy County, New Mexico	MD Reference:	WELL @ 3417.0usft (Original Well Elev)
Site:	Gobbler 5 B2IL State Com #1H	North Reference:	Grid
Well:	Sec 5, T19S, R29E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 1750' FSL & 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	Gobbler 5 B2IL State Com #1H		
Site Position:	From:	Map	
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
Northing:	613,822.00 usft	Latitude:	32° 41' 14.127 N
Easting:	575,228.00 usft	Longitude:	104° 5' 19.742 W
Grid Convergence:	0.13 °		

Well	Sec 5, T19S, R29E		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,417.0 usft
		Ground Level:	3,397.0 usft

Wellbore	BHL: 1750' FSL & 330' FWL				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	12/31/2009	(°)	(°)	(nT)
			8.02	60.58	49,014

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	270.27	

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	
7,352.5	0.00	0.00	7,352.5	0.0	0.0	0.00	0.00	0.00	0.00	
8,113.9	91.33	270.27	7,830.0	2.3	-488.7	12.00	12.00	0.00	-89.73	
12,277.3	91.33	270.27	7,733.0	22.0	-4,651.0	0.00	0.00	0.00	0.00	BHL: 1750' FSL & 330'

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico
 Site: Gobbler 5 B2IL State Com #1H
 Well: Sec 5, T19S, R29E
 Wellbore: BHL: 1750' FSL & 330' FWL
 Design: Design #1

Local Co-ordinate Reference: Site Gobbler 5 B2IL State Com #1H
 TVD Reference: WELL @ 3417.0usft (Original Well Elev)
 MD Reference: WELL @ 3417.0usft (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: 1750' FSL & 300' 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

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico
 Site: Gobbler 5 B2IL State Corn #1H
 Well: Sec 5, T19S, R29E
 Wellbore: BHL: 1750' FSL & 330' FWL
 Design: Design #1

Local Co-ordinate Reference: Site Gobbler 5 B2IL State Corn #1H
 TVD Reference: WELL @ 3417.0usft (Original Well Elev)
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 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)
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
7,352.5	0.00	0.00	7,352.5	0.0	0.0	0.0	0.00	0.00	0.00
KOP @ 7352'									
7,400.0	5.69	270.27	7,399.9	0.0	-2.4	2.4	12.00	12.00	0.00
7,500.0	17.69	270.27	7,497.7	0.1	-22.6	22.6	12.00	12.00	0.00
7,522.6	20.41	270.27	7,519.1	0.1	-30.0	30.0	12.00	12.00	0.00
First Take Point: 1750' FSL & 330' FEL									
7,600.0	29.69	270.27	7,589.1	0.3	-62.7	62.7	12.00	12.00	0.00
7,700.0	41.68	270.27	7,670.1	0.6	-120.9	120.9	12.00	12.00	0.00
7,800.0	53.68	270.27	7,737.3	0.9	-194.7	194.7	12.00	12.00	0.00
7,900.0	65.68	270.27	7,787.7	1.3	-280.9	280.9	12.00	12.00	0.00
8,000.0	77.67	270.27	7,819.1	1.8	-375.6	375.6	12.00	12.00	0.00
8,100.0	89.67	270.27	7,830.1	2.2	-474.8	474.9	12.00	12.00	0.00
8,113.9	91.33	270.27	7,830.0	2.3	-488.7	488.7	12.00	12.00	0.00
LP: 1750' FSL & 789' FEL									
8,200.0	91.33	270.27	7,828.0	2.7	-574.8	574.8	0.00	0.00	0.00
8,300.0	91.33	270.27	7,825.7	3.2	-674.8	674.8	0.00	0.00	0.00
8,400.0	91.33	270.27	7,823.3	3.7	-774.8	774.8	0.00	0.00	0.00
8,500.0	91.33	270.27	7,821.0	4.1	-874.7	874.7	0.00	0.00	0.00
8,600.0	91.33	270.27	7,818.7	4.6	-974.7	974.7	0.00	0.00	0.00
8,700.0	91.33	270.27	7,816.3	5.1	-1,074.7	1,074.7	0.00	0.00	0.00
8,800.0	91.33	270.27	7,814.0	5.6	-1,174.7	1,174.7	0.00	0.00	0.00
8,900.0	91.33	270.27	7,811.7	6.0	-1,274.6	1,274.6	0.00	0.00	0.00
9,000.0	91.33	270.27	7,809.4	6.5	-1,374.6	1,374.6	0.00	0.00	0.00
9,100.0	91.33	270.27	7,807.0	7.0	-1,474.6	1,474.6	0.00	0.00	0.00
9,200.0	91.33	270.27	7,804.7	7.4	-1,574.5	1,574.6	0.00	0.00	0.00
9,300.0	91.33	270.27	7,802.4	7.9	-1,674.5	1,674.5	0.00	0.00	0.00
9,400.0	91.33	270.27	7,800.0	8.4	-1,774.5	1,774.5	0.00	0.00	0.00
9,500.0	91.33	270.27	7,797.7	8.9	-1,874.5	1,874.5	0.00	0.00	0.00
9,600.0	91.33	270.27	7,795.4	9.3	-1,974.4	1,974.4	0.00	0.00	0.00
9,700.0	91.33	270.27	7,793.0	9.8	-2,074.4	2,074.4	0.00	0.00	0.00
9,800.0	91.33	270.27	7,790.7	10.3	-2,174.4	2,174.4	0.00	0.00	0.00
9,900.0	91.33	270.27	7,788.4	10.8	-2,274.3	2,274.4	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Eddy County, New Mexico
 Site: Gobbler 5 B2IL State Com #1H
 Well: Sec 5, T19S, R29E
 Wellbore: BHL: 1750' FSL & 330' FWL
 Design: Design #1

Local Co-ordinate Reference: Site Gobbler 5 B2IL State Com #1H
 TVD Reference: WELL @ 3417.0usft (Original Well Elev)
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 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)
10,000.0	91.33	270.27	7,786.1	11.2	-2,374.3	2,374.3	0.00	0.00	0.00
10,100.0	91.33	270.27	7,783.7	11.7	-2,474.3	2,474.3	0.00	0.00	0.00
10,200.0	91.33	270.27	7,781.4	12.2	-2,574.3	2,574.3	0.00	0.00	0.00
10,300.0	91.33	270.27	7,779.1	12.6	-2,674.2	2,674.3	0.00	0.00	0.00
10,400.0	91.33	270.27	7,776.7	13.1	-2,774.2	2,774.2	0.00	0.00	0.00
10,500.0	91.33	270.27	7,774.4	13.6	-2,874.2	2,874.2	0.00	0.00	0.00
10,600.0	91.33	270.27	7,772.1	14.1	-2,974.1	2,974.2	0.00	0.00	0.00
10,700.0	91.33	270.27	7,769.7	14.5	-3,074.1	3,074.2	0.00	0.00	0.00
10,800.0	91.33	270.27	7,767.4	15.0	-3,174.1	3,174.1	0.00	0.00	0.00
10,900.0	91.33	270.27	7,765.1	15.5	-3,274.1	3,274.1	0.00	0.00	0.00
11,000.0	91.33	270.27	7,762.8	16.0	-3,374.0	3,374.1	0.00	0.00	0.00
11,100.0	91.33	270.27	7,760.4	16.4	-3,474.0	3,474.0	0.00	0.00	0.00
11,200.0	91.33	270.27	7,758.1	16.9	-3,574.0	3,574.0	0.00	0.00	0.00
11,300.0	91.33	270.27	7,755.8	17.4	-3,673.9	3,674.0	0.00	0.00	0.00
11,400.0	91.33	270.27	7,753.4	17.9	-3,773.9	3,774.0	0.00	0.00	0.00
11,500.0	91.33	270.27	7,751.1	18.3	-3,873.9	3,873.9	0.00	0.00	0.00
11,600.0	91.33	270.27	7,748.8	18.8	-3,973.9	3,973.9	0.00	0.00	0.00
11,700.0	91.33	270.27	7,746.5	19.3	-4,073.8	4,073.9	0.00	0.00	0.00
11,800.0	91.33	270.27	7,744.1	19.7	-4,173.8	4,173.9	0.00	0.00	0.00
11,900.0	91.33	270.27	7,741.8	20.2	-4,273.8	4,273.8	0.00	0.00	0.00
12,000.0	91.33	270.27	7,739.5	20.7	-4,373.7	4,373.8	0.00	0.00	0.00
12,100.0	91.33	270.27	7,737.1	21.2	-4,473.7	4,473.8	0.00	0.00	0.00
12,200.0	91.33	270.27	7,734.8	21.6	-4,573.7	4,573.7	0.00	0.00	0.00
12,277.3	91.33	270.27	7,733.0	22.0	-4,651.0	4,651.1	0.00	0.00	0.00

BHL: 1750' FSL & 330' FWL

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: 1750' FSL & 300' FE - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	613,822.00	575,228.00	32° 41' 14.127 N	104° 5' 19.742 W
KOP @ 7352' - plan hits target center - Point	0.00	0.00	7,352.5	0.0	0.0	613,822.00	575,228.00	32° 41' 14.127 N	104° 5' 19.742 W
First Take Point: 1750' F - plan hits target center - Point	0.00	0.00	7,519.1	0.1	-30.0	613,822.10	575,198.00	32° 41' 14.128 N	104° 5' 20.093 W
BHL: 1750' FSL & 330' F - plan hits target center - Point	0.00	0.00	7,733.0	22.0	-4,651.0	613,844.00	570,577.00	32° 41' 14.447 N	104° 6' 14.163 W
LP: 1750' FSL & 789' FE - plan hits target center - Point	0.00	0.00	7,830.0	2.3	-488.7	613,824.30	574,739.30	32° 41' 14.161 N	104° 5' 25.460 W

Gobbler 5 B2IL State Com #1H

