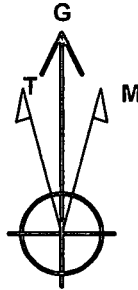


Mewbourne Oil Company

By: Charles Martin
14:41, November 07 2016

Project: Lea County, New Mexico
Site: **Pronghorn 15 B3AP Fed Com 1H**
Well: Sec 15, T23S, R34E
Wellbore: BHL: 330' FSL & 450' FEL
Design: Design #1

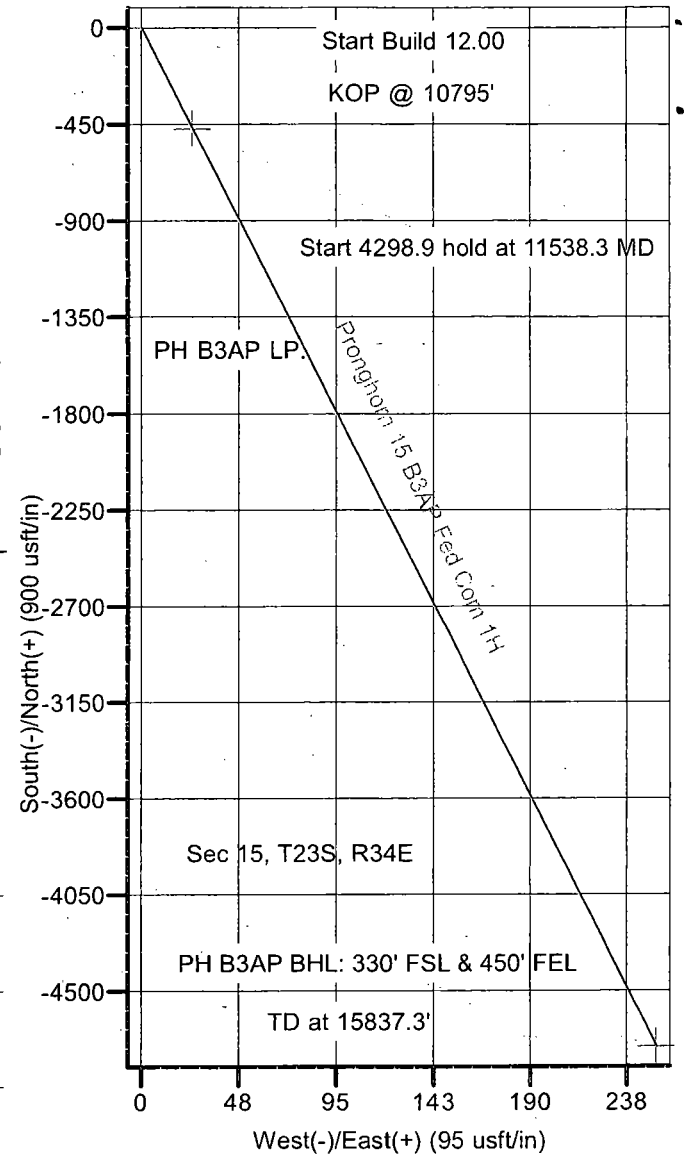
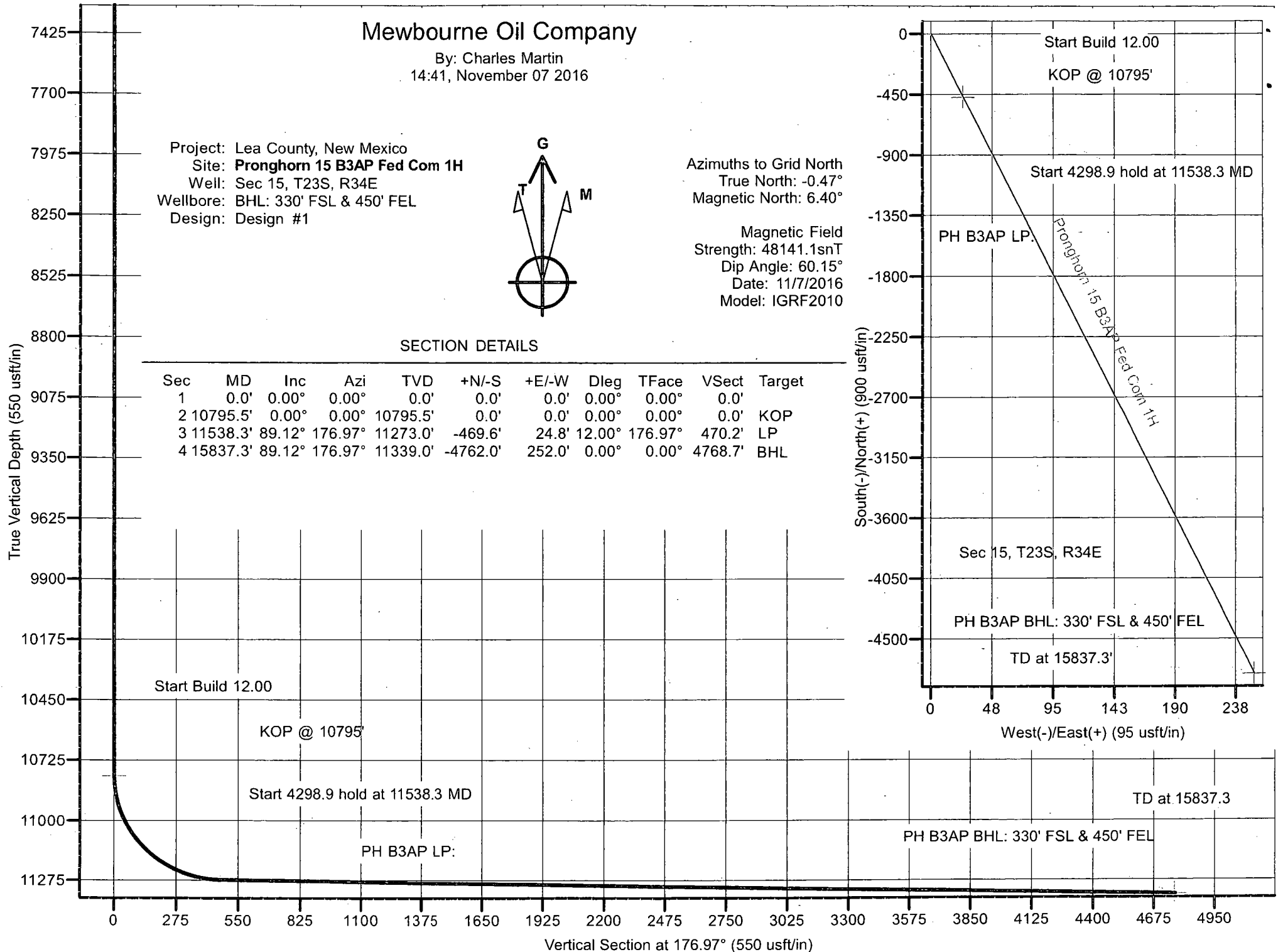


Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.40°

Magnetic Field
Strength: 48141.1snT
Dip Angle: 60.15°
Date: 11/7/2016
Model: IGRF2010

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0'	0.00°	0.00°	0.0'	0.0'	0.0'	0.00°	0.00°	0.0'	
2	10795.5'	0.00°	0.00°	10795.5'	0.0'	0.0'	0.00°	0.00°	0.0'	KOP
3	11538.3'	89.12°	176.97°	11273.0'	-469.6'	24.8'	12.00°	176.97°	470.2'	LP
4	15837.3'	89.12°	176.97°	11339.0'	-4762.0'	252.0'	0.00°	0.00°	4768.7'	BHL



Mewbourne Oil Company

Lea County, New Mexico

Pronghorn 15 B3AP Fed Com 1H

Sec 15, T23S, R34E

SL: 185' FNL & 660' FEL

BHL: 330' FSL & 450' FEL

Plan: Design #1

Standard Planning Report

08 November, 2016

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Pronghorn 15 B3AP Fed Com 1H
 Well: Sec 15, T23S, R34E
 Wellbore: BHL: 330' FSL & 450' FEL
 Design: Design #1

Local Co-ordinate Reference: Site Pronghorn 15 B3AP Fed Com 1H
 TVD Reference: KB @ 3414.0usft
 MD Reference: KB @ 3414.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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: Pronghorn 15 B3AP Fed Com 1H						
Site Position:		Northing:	478,067.00 usft	Latitude:	32° 18' 40.459 N	
From:	Map	Easting:	772,574.00 usft	Longitude:	103° 27' 3.849 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	Sec 15, T23S, R34E					
Well Position	+N/-S	0.0 usft	Northing:	478,067.00 usft	Latitude:	32° 18' 40.459 N
	+E/-W	0.0 usft	Easting:	772,574.00 usft	Longitude:	103° 27' 3.849 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,387.0 usft

Wellbore:	BHL: 330' FSL & 450' FEL				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/7/2016	6.87	60.15	48,141

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	176.97

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	
10,795.5	0.00	0.00	10,795.5	0.0	0.0	0.00	0.00	0.00	0.00	KOP @ 10795'
11,538.3	89.12	176.97	11,273.0	-469.6	24.8	12.00	12.00	0.00	176.97	
15,837.3	89.12	176.97	11,339.0	-4,762.0	252.0	0.00	0.00	0.00	0.00	PH B3AP BHL: 330' F

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Pronghorn 15 B3AP Fed Com 1H
 Well: Sec 15, T23S, R34E
 Wellbore: BHL: 330' FSL & 450' FEL
 Design: Design #1

Local Co-ordinate Reference: Site Pronghorn 15 B3AP Fed Com 1H
 TVD Reference: KB @ 3414.0usft
 MD Reference: KB @ 3414.0usft
 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
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

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Pronghorn 15 B3AP Fed Com 1H
 Well: Sec 15, T23S, R34E
 Wellbore: BHL 330' FSL & 450' FEL
 Design: Design #1

Local Co-ordinate Reference: Site Pronghorn 15 B3AP Fed Com 1H
 TVD Reference: KB @ 3414.0usft
 MD Reference: KB @ 3414.0usft
 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)
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
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: Hobbs
Company: Mewbourne Oil Company
Project: Lea County, New Mexico
Site: Pronghorn 15 B3AP Fed Com 1H
Well: Sec 15, T23S, R34E
Wellbore: BHL: 330' FSL & 450' FEL
Design: Design #1

Local Co-ordinate Reference: Site Pronghorn 15 B3AP Fed Com 1H
TVD Reference: KB @ 3414.0usft
MD Reference: KB @ 3414.0usft
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)
10,795.5	0.00	0.00	10,795.5	0.0	0.0	0.0	0.00	0.00	0.00
10,800.0	0.54	176.97	10,800.0	0.0	0.0	0.0	12.00	12.00	0.00
10,825.0	3.54	176.97	10,825.0	-0.9	0.0	0.9	12.00	12.00	0.00
10,850.0	6.54	176.97	10,849.9	-3.1	0.2	3.1	12.00	12.00	0.00
10,875.0	9.54	176.97	10,874.6	-6.6	0.3	6.6	12.00	12.00	0.00
10,900.0	12.54	176.97	10,899.2	-11.4	0.6	11.4	12.00	12.00	0.00
10,925.0	15.54	176.97	10,923.4	-17.4	0.9	17.5	12.00	12.00	0.00
10,950.0	18.54	176.97	10,947.3	-24.7	1.3	24.8	12.00	12.00	0.00
10,975.0	21.54	176.97	10,970.8	-33.3	1.8	33.3	12.00	12.00	0.00
11,000.0	24.54	176.97	10,993.8	-43.1	2.3	43.1	12.00	12.00	0.00
11,025.0	27.53	176.97	11,016.3	-54.0	2.9	54.1	12.00	12.00	0.00
11,050.0	30.53	176.97	11,038.1	-66.1	3.5	66.2	12.00	12.00	0.00
11,075.0	33.53	176.97	11,059.3	-79.4	4.2	79.5	12.00	12.00	0.00
11,100.0	36.53	176.97	11,079.8	-93.7	5.0	93.8	12.00	12.00	0.00
11,125.0	39.53	176.97	11,099.5	-109.1	5.8	109.2	12.00	12.00	0.00
11,150.0	42.53	176.97	11,118.3	-125.5	6.6	125.6	12.00	12.00	0.00
11,175.0	45.53	176.97	11,136.3	-142.8	7.6	143.0	12.00	12.00	0.00
11,200.0	48.53	176.97	11,153.3	-161.1	8.5	161.3	12.00	12.00	0.00
11,225.0	51.53	176.97	11,169.4	-180.2	9.5	180.5	12.00	12.00	0.00
11,250.0	54.53	176.97	11,184.4	-200.2	10.6	200.4	12.00	12.00	0.00
11,275.0	57.53	176.97	11,198.4	-220.9	11.7	221.2	12.00	12.00	0.00
11,300.0	60.53	176.97	11,211.3	-242.3	12.8	242.6	12.00	12.00	0.00
11,325.0	63.53	176.97	11,223.0	-264.3	14.0	264.7	12.00	12.00	0.00
11,350.0	66.53	176.97	11,233.5	-286.9	15.2	287.3	12.00	12.00	0.00
11,375.0	69.53	176.97	11,242.9	-310.1	16.4	310.5	12.00	12.00	0.00
11,400.0	72.53	176.97	11,251.0	-333.7	17.7	334.2	12.00	12.00	0.00
11,425.0	75.53	176.97	11,257.9	-357.7	18.9	358.2	12.00	12.00	0.00
11,450.0	78.52	176.97	11,263.5	-382.0	20.2	382.6	12.00	12.00	0.00
11,475.0	81.52	176.97	11,267.8	-406.6	21.5	407.2	12.00	12.00	0.00
11,500.0	84.52	176.97	11,270.9	-431.4	22.8	432.0	12.00	12.00	0.00
11,525.0	87.52	176.97	11,272.6	-456.3	24.1	456.9	12.00	12.00	0.00
11,538.3	89.12	176.97	11,273.0	-469.6	24.8	470.2	12.00	12.00	0.00
11,600.0	89.12	176.97	11,273.9	-531.2	28.1	531.9	0.00	0.00	0.00
11,700.0	89.12	176.97	11,275.5	-631.0	33.4	631.9	0.00	0.00	0.00
11,800.0	89.12	176.97	11,277.0	-730.9	38.7	731.9	0.00	0.00	0.00
11,900.0	89.12	176.97	11,278.6	-830.7	44.0	831.9	0.00	0.00	0.00
12,000.0	89.12	176.97	11,280.1	-930.6	49.2	931.9	0.00	0.00	0.00
12,100.0	89.12	176.97	11,281.6	-1,030.4	54.5	1,031.8	0.00	0.00	0.00
12,200.0	89.12	176.97	11,283.2	-1,130.3	59.8	1,131.8	0.00	0.00	0.00
12,300.0	89.12	176.97	11,284.7	-1,230.1	65.1	1,231.8	0.00	0.00	0.00
12,400.0	89.12	176.97	11,286.2	-1,330.0	70.4	1,331.8	0.00	0.00	0.00
12,500.0	89.12	176.97	11,287.8	-1,429.8	75.7	1,431.8	0.00	0.00	0.00
12,600.0	89.12	176.97	11,289.3	-1,529.6	80.9	1,531.8	0.00	0.00	0.00
12,700.0	89.12	176.97	11,290.8	-1,629.5	86.2	1,631.8	0.00	0.00	0.00
12,800.0	89.12	176.97	11,292.4	-1,729.3	91.5	1,731.8	0.00	0.00	0.00
12,900.0	89.12	176.97	11,293.9	-1,829.2	96.8	1,831.8	0.00	0.00	0.00
13,000.0	89.12	176.97	11,295.4	-1,929.0	102.1	1,931.7	0.00	0.00	0.00
13,100.0	89.12	176.97	11,297.0	-2,028.9	107.4	2,031.7	0.00	0.00	0.00
13,200.0	89.12	176.97	11,298.5	-2,128.7	112.7	2,131.7	0.00	0.00	0.00
13,300.0	89.12	176.97	11,300.0	-2,228.6	117.9	2,231.7	0.00	0.00	0.00
13,400.0	89.12	176.97	11,301.6	-2,328.4	123.2	2,331.7	0.00	0.00	0.00
13,500.0	89.12	176.97	11,303.1	-2,428.3	128.5	2,431.7	0.00	0.00	0.00
13,600.0	89.12	176.97	11,304.7	-2,528.1	133.8	2,531.7	0.00	0.00	0.00
13,700.0	89.12	176.97	11,306.2	-2,628.0	139.1	2,631.7	0.00	0.00	0.00

Planning Report

Database: Hobbs
 Company: Mewbourne Oil Company
 Project: Lea County, New Mexico
 Site: Pronghorn 15 B3AP Fed Com 1H
 Well: Sec 15, T23S, R34E
 Wellbore: BHL: 330' FSL & 450' FEL
 Design: Design #1

Local Co-ordinate Reference: Site Pronghorn 15 B3AP Fed Com 1H
 TVD Reference: KB @ 3414.0usft
 MD Reference: KB @ 3414.0usft
 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)
13,800.0	89.12	176.97	11,307.7	-2,727.8	144.4	2,731.6	0.00	0.00	0.00
13,900.0	89.12	176.97	11,309.3	-2,827.7	149.6	2,831.6	0.00	0.00	0.00
14,000.0	89.12	176.97	11,310.8	-2,927.5	154.9	2,931.6	0.00	0.00	0.00
14,100.0	89.12	176.97	11,312.3	-3,027.4	160.2	3,031.6	0.00	0.00	0.00
14,200.0	89.12	176.97	11,313.9	-3,127.2	165.5	3,131.6	0.00	0.00	0.00
14,300.0	89.12	176.97	11,315.4	-3,227.1	170.8	3,231.6	0.00	0.00	0.00
14,400.0	89.12	176.97	11,316.9	-3,326.9	176.1	3,331.6	0.00	0.00	0.00
14,500.0	89.12	176.97	11,318.5	-3,426.8	181.3	3,431.6	0.00	0.00	0.00
14,600.0	89.12	176.97	11,320.0	-3,526.6	186.6	3,531.6	0.00	0.00	0.00
14,700.0	89.12	176.97	11,321.5	-3,626.5	191.9	3,631.5	0.00	0.00	0.00
14,800.0	89.12	176.97	11,323.1	-3,726.3	197.2	3,731.5	0.00	0.00	0.00
14,900.0	89.12	176.97	11,324.6	-3,826.2	202.5	3,831.5	0.00	0.00	0.00
15,000.0	89.12	176.97	11,326.1	-3,926.0	207.8	3,931.5	0.00	0.00	0.00
15,100.0	89.12	176.97	11,327.7	-4,025.9	213.0	4,031.5	0.00	0.00	0.00
15,200.0	89.12	176.97	11,329.2	-4,125.7	218.3	4,131.5	0.00	0.00	0.00
15,300.0	89.12	176.97	11,330.8	-4,225.6	223.6	4,231.5	0.00	0.00	0.00
15,400.0	89.12	176.97	11,332.3	-4,325.4	228.9	4,331.5	0.00	0.00	0.00
15,500.0	89.12	176.97	11,333.8	-4,425.3	234.2	4,431.4	0.00	0.00	0.00
15,600.0	89.12	176.97	11,335.4	-4,525.1	239.5	4,531.4	0.00	0.00	0.00
15,700.0	89.12	176.97	11,336.9	-4,625.0	244.7	4,631.4	0.00	0.00	0.00
15,800.0	89.12	176.97	11,338.4	-4,724.8	250.0	4,731.4	0.00	0.00	0.00
15,837.3	89.12	176.97	11,339.0	-4,762.0	252.0	4,768.7	0.00	0.00	0.00

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
KOP @ 10795' - plan hits target center - Point	0.00	0.00	10,795.5	0.0	0.0	478,067.00	772,574.00	32° 18' 40.459 N	103° 27' 3.849 W
PH B3AP LP - plan hits target center - Point	0.00	0.00	11,273.0	-469.6	24.9	477,597.40	772,598.90	32° 18' 35.811 N	103° 27' 3.604 W
PH B3AP BHL: 330' FSL - plan hits target center - Point	0.00	0.00	11,339.0	-4,762.0	252.0	473,305.00	772,826.00	32° 17' 53.318 N	103° 27' 1.370 W