

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF MEWBOURNE OIL COMPANY
FOR A NON-STANDARD OIL SPACING AND
PRORATION UNIT AND COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

Case No. 15,260

VERIFIED STATEMENT OF JASON LODGE

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Jason Lodge, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case
3. I have been previously qualified as an expert petroleum geologist by the Division.
4. The geological plats attached hereto show the following:
 - (a) Attachment A is a combination structure/net isopach map of the target interval in the Second Bone Spring sand. It shows other Bone Spring producers in the immediate area, and shows the location of cross section line A-A', explained in attachment B. The proposed horizontal well is highlighted in red.
 - (b) Attachment B is a west-to-east cross section. The horizontal target is notated on each log. The pay is continuous across the well unit.
5. I conclude from the maps that the project area is justified from a geologic standpoint.
6. Each quarter-quarter section in the project area will contribute more or less equally to production.
7. There is no faulting or other geologic impediment which will affect the drilling of the subject well.
8. The producing interval of the well will be at orthodox locations.

Oil Conservation Division
Case No. 2 15260
Exhibit No. 2

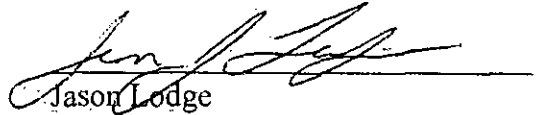
9. Attachment C contains information from other Bone Spring producers in this area. Directly to the South, there are both standup and laydown wells in the area that have shown positive results. Mewbourne prefers a laydown unit here.

10. Attachment D is the proposed horizontal well plan. The well will have approximately 20 completion stages using approximately 1,500,000 gallons of fluid and 2,000,000 pounds of sand.

VERIFICATION

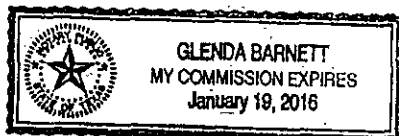
STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Jason Lodge, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof, and the same is true and correct to the best of his knowledge, information, and belief.

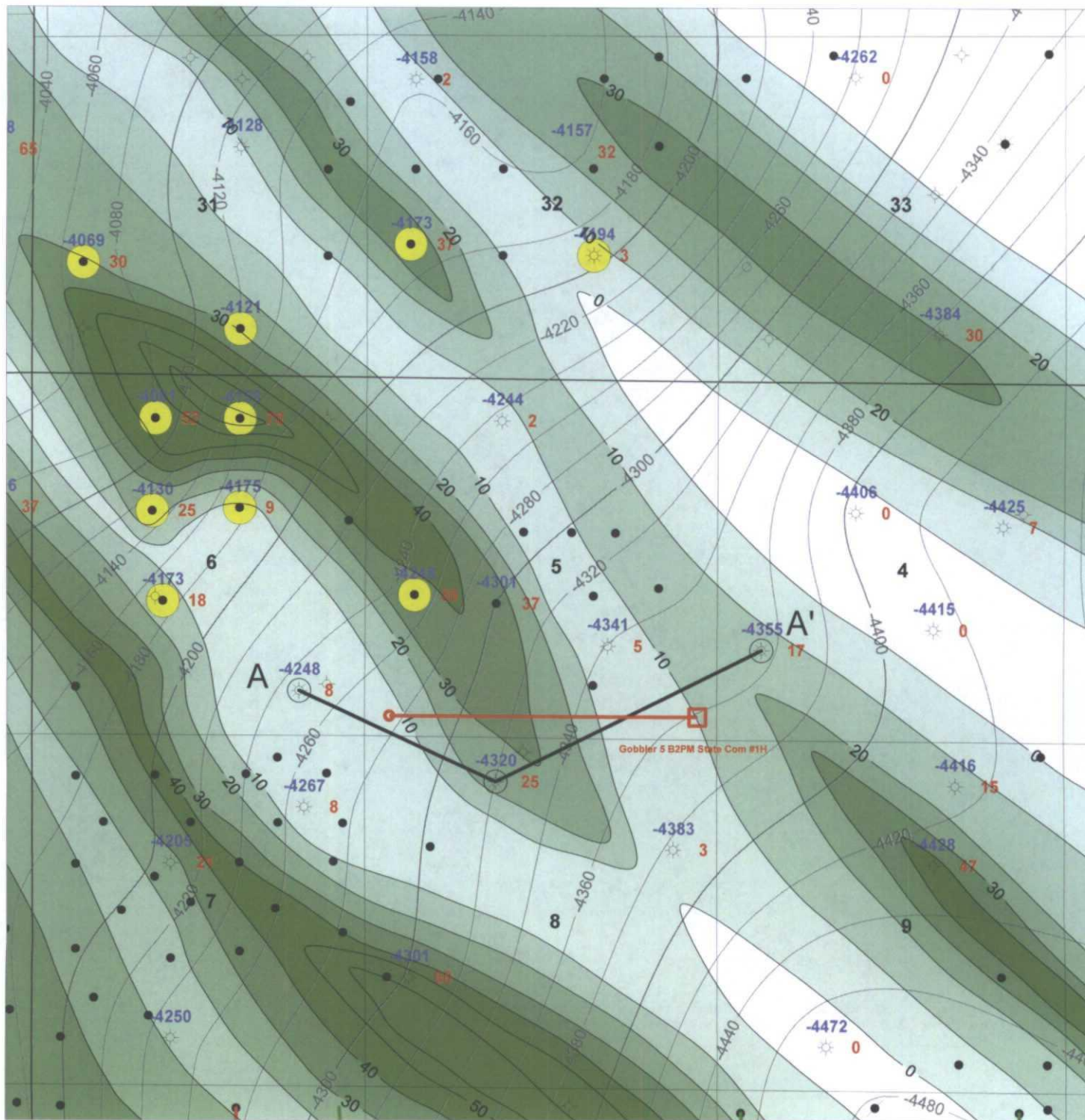

Jason Lodge

SUBSCRIBED AND SWORN TO before me this 12th day of January, 2015 by Jason Lodge.

My Commission Expires: 1-19-2016




Notary Public



1 inch = 1000 feet

Bone Spring Producer

Subsea



2nd BSPGC
Porosity GRT 10%

Attachment **A**

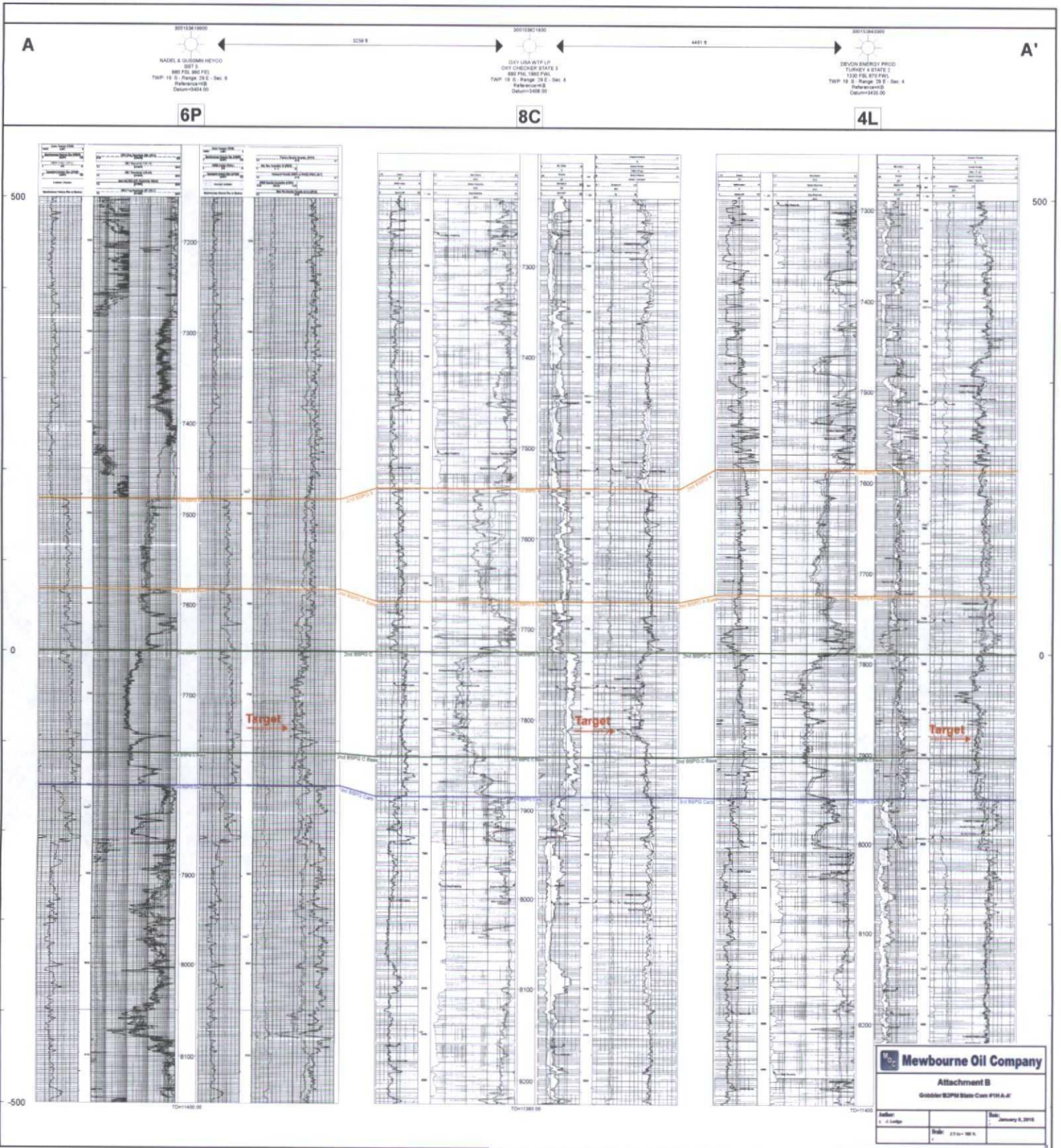
MOC Mewbourne Oil Company

Attachment A

Gobbler 5 B2PM State Com #1H Base Map

Top of 2nd BSPGC C Structure; 2nd BSPGC C Net Isopach

Author: J. Lodge		Date: January 6, 2015
Scale: 1 in = 1000 ft.		



Gobbler 5 B2PM State Com #1H Production Table

1/6/2015

Bone Spring Production

Well Name	Well ID	Surface Location	PBHL	Operator	Vert/Horiz	Cum Oil (MBO)	Cum Water (MBW)	Cum Gas (MMCF)	First Production
Neptune 31 Federal #1	31L	1650 FSL & 767 FWL T18S - R29E, Sec. 31	NA	Nearburg	V	19	3	0	November-00
Alscott Federal #3	31O	660 FSL & 1980 FEL T18S - R29E, Sec. 31	NA	Hondo	V	17	9	41	July-89
Palmillo State #2	32J	1796 FSL & 1980 FEL T18S - R29E, Sec. 32	NA	Gruy	V	79	170	89	April-01
Palmillo State Com #4	32L	1980 FSL & 660 FWL T18S - R29E, Sec. 32	NA	Cimarex	V	20	14	51	November-10
Hamon State #1	5L	1980 FSL & 660 FWL T19S - R29E, Sec. 5	NA	Moroilco	V	35	70	237	June-86
SST #2	6B	660 FNL & 1980 FEL T19S - R29E, Sec. 6	NA	Yates	V	65	33	364	June-90
SST #3	6C	660 FNL & 1747 FWL T19S - R29E, Sec. 6	NA	Yates	V	56	17	255	October-90
SST #4	6F	2030 FNL & 1697 FWL T19S - R29E, Sec. 6	NA	Yates	V	7	28	13	August-90
SST #1	6G	1980 FNL & 1980 FEL T19S - R29E, Sec. 5	NA	Yates	V	106	11	427	May-83
Palmillo 6 State Com #1	6K	1980 FSL & 1980 FWL T19S - R29E, Sec. 6	NA	Nadel & Gussman	V	10	4	39	July-08

Attachment

2



Mewbourne Oil Company .

Eddy County, New Mexico

Section 5-19S-29E Gobbler 5 B2PM St Com #1H

Gobbler 5 B2PM State Com #1H

Original Hole

Plan: Plan#1

Standard Planning Report - Geographic

29 December, 2014

Attachment

D





Stryker Directional

Planning Report - Geographic



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company .	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#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	Section 5-19S-29E Gobbler 5 B2PM St Com #1H		
Site Position:	Map	Northings:	612,401.90 usft
From:	Map	Easting:	575,231.20 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 41' 0.074 N
		Longitude:	104° 5' 19.743 W
		Grid Convergence:	0.13 °

Well	Gobbler 5 B2PM State Com #1H		
Well Position	+N/-S	0.0 usft	Northings:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 41' 0.074 N
		Longitude:	104° 5' 19.743 W
		Ground Level:	3,409.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	12/29/2014	7.42
			Dip Angle (°)
			60.44
			Field Strength (nT)
			48,482

Design	Plan#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 (°)
			270.28

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth (usft)	(°)	(°)	Depth (usft)	(usft)	(usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
7,401.6	0.00	0.00	7,401.6	0.0	0.0	0.00	0.00	0.00	0.00	
8,161.9	91.24	270.28	7,879.0	2.4	-487.8	12.00	12.00	-11.80	270.28	
12,326.0	91.24	270.28	7,789.0	22.5	-4,650.8	0.00	0.00	0.00	0.00	PBHL Gobbler 5 B2



Stryker Directional Planning Report - Geographic



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company .	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
100.0	0.00	0.00	100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
200.0	0.00	0.00	200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
300.0	0.00	0.00	300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
400.0	0.00	0.00	400.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
500.0	0.00	0.00	500.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
600.0	0.00	0.00	600.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
700.0	0.00	0.00	700.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
800.0	0.00	0.00	800.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
900.0	0.00	0.00	900.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,100.0	0.00	0.00	1,100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,200.0	0.00	0.00	1,200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,300.0	0.00	0.00	1,300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,400.0	0.00	0.00	1,400.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,500.0	0.00	0.00	1,500.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,600.0	0.00	0.00	1,600.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,700.0	0.00	0.00	1,700.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,800.0	0.00	0.00	1,800.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
1,900.0	0.00	0.00	1,900.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,000.0	0.00	0.00	2,000.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,100.0	0.00	0.00	2,100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,200.0	0.00	0.00	2,200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,300.0	0.00	0.00	2,300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,400.0	0.00	0.00	2,400.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,500.0	0.00	0.00	2,500.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,600.0	0.00	0.00	2,600.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,700.0	0.00	0.00	2,700.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,800.0	0.00	0.00	2,800.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
2,900.0	0.00	0.00	2,900.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,000.0	0.00	0.00	3,000.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,100.0	0.00	0.00	3,100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,200.0	0.00	0.00	3,200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,300.0	0.00	0.00	3,300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,400.0	0.00	0.00	3,400.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,500.0	0.00	0.00	3,500.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,600.0	0.00	0.00	3,600.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,700.0	0.00	0.00	3,700.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,800.0	0.00	0.00	3,800.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
3,900.0	0.00	0.00	3,900.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,000.0	0.00	0.00	4,000.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,100.0	0.00	0.00	4,100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,200.0	0.00	0.00	4,200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,300.0	0.00	0.00	4,300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,400.0	0.00	0.00	4,400.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,500.0	0.00	0.00	4,500.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,600.0	0.00	0.00	4,600.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,700.0	0.00	0.00	4,700.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,800.0	0.00	0.00	4,800.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
4,900.0	0.00	0.00	4,900.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,000.0	0.00	0.00	5,000.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,100.0	0.00	0.00	5,100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,200.0	0.00	0.00	5,200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,300.0	0.00	0.00	5,300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W



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Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,400.0	0.00	0.00	5,400.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,500.0	0.00	0.00	5,500.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,600.0	0.00	0.00	5,600.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,700.0	0.00	0.00	5,700.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,800.0	0.00	0.00	5,800.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
5,900.0	0.00	0.00	5,900.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,000.0	0.00	0.00	6,000.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,100.0	0.00	0.00	6,100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,200.0	0.00	0.00	6,200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,300.0	0.00	0.00	6,300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,400.0	0.00	0.00	6,400.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,500.0	0.00	0.00	6,500.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,600.0	0.00	0.00	6,600.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,700.0	0.00	0.00	6,700.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,800.0	0.00	0.00	6,800.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
6,900.0	0.00	0.00	6,900.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
7,000.0	0.00	0.00	7,000.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
7,100.0	0.00	0.00	7,100.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
7,200.0	0.00	0.00	7,200.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
7,300.0	0.00	0.00	7,300.0	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
7,401.6	0.00	0.00	7,401.6	0.0	0.0	612,401.90	575,231.20	32° 41' 0.074 N	104° 5' 19.743 W
7401.6' MD KOP									
7,425.0	2.81	270.28	7,425.0	0.0	-0.6	612,401.91	575,230.63	32° 41' 0.074 N	104° 5' 19.749 W
7,450.0	5.81	270.28	7,449.9	0.0	-2.5	612,401.92	575,228.75	32° 41' 0.074 N	104° 5' 19.771 W
7,475.0	8.81	270.28	7,474.7	0.0	-5.6	612,401.93	575,225.57	32° 41' 0.074 N	104° 5' 19.809 W
7,500.0	11.81	270.28	7,499.3	0.0	-10.1	612,401.95	575,221.10	32° 41' 0.075 N	104° 5' 19.861 W
7,525.0	14.81	270.28	7,523.6	0.1	-15.9	612,401.98	575,215.35	32° 41' 0.075 N	104° 5' 19.928 W
7,550.0	17.81	270.28	7,547.6	0.1	-22.9	612,402.01	575,208.33	32° 41' 0.076 N	104° 5' 20.010 W
7,575.0	20.81	270.28	7,571.2	0.2	-31.1	612,402.05	575,200.06	32° 41' 0.076 N	104° 5' 20.107 W
7,600.0	23.81	270.28	7,594.3	0.2	-40.6	612,402.10	575,190.57	32° 41' 0.077 N	104° 5' 20.218 W
7,625.0	26.81	270.28	7,616.9	0.2	-51.3	612,402.15	575,179.89	32° 41' 0.078 N	104° 5' 20.343 W
7,650.0	29.81	270.28	7,638.9	0.3	-63.2	612,402.21	575,168.03	32° 41' 0.079 N	104° 5' 20.482 W
7,675.0	32.81	270.28	7,660.3	0.4	-76.2	612,402.27	575,155.04	32° 41' 0.079 N	104° 5' 20.634 W
7,700.0	35.81	270.28	7,681.0	0.4	-90.2	612,402.34	575,140.95	32° 41' 0.080 N	104° 5' 20.799 W
7,725.0	38.81	270.28	7,700.8	0.5	-105.4	612,402.41	575,125.80	32° 41' 0.081 N	104° 5' 20.976 W
7,750.0	41.81	270.28	7,719.9	0.6	-121.6	612,402.49	575,109.63	32° 41' 0.083 N	104° 5' 21.165 W
7,775.0	44.81	270.28	7,738.1	0.7	-138.7	612,402.57	575,092.49	32° 41' 0.084 N	104° 5' 21.366 W
7,800.0	47.81	270.28	7,755.4	0.8	-156.8	612,402.66	575,074.41	32° 41' 0.085 N	104° 5' 21.577 W
7,825.0	50.81	270.28	7,771.7	0.8	-175.7	612,402.75	575,055.46	32° 41' 0.086 N	104° 5' 21.799 W
7,850.0	53.81	270.28	7,786.9	0.9	-195.5	612,402.85	575,035.68	32° 41' 0.088 N	104° 5' 22.030 W
7,875.0	56.81	270.28	7,801.2	1.0	-216.1	612,402.95	575,015.13	32° 41' 0.089 N	104° 5' 22.271 W
7,900.0	59.81	270.28	7,814.3	1.1	-237.3	612,403.05	574,993.86	32° 41' 0.091 N	104° 5' 22.520 W
7,925.0	62.81	270.28	7,826.3	1.3	-259.3	612,403.16	574,971.93	32° 41' 0.092 N	104° 5' 22.776 W
7,950.0	65.81	270.28	7,837.1	1.4	-281.8	612,403.27	574,949.40	32° 41' 0.094 N	104° 5' 23.040 W
7,975.0	68.81	270.28	7,846.8	1.5	-304.9	612,403.38	574,926.34	32° 41' 0.096 N	104° 5' 23.310 W
8,000.0	71.81	270.28	7,855.2	1.6	-328.4	612,403.49	574,902.81	32° 41' 0.097 N	104° 5' 23.585 W
8,025.0	74.81	270.28	7,862.4	1.7	-352.3	612,403.61	574,878.86	32° 41' 0.099 N	104° 5' 23.865 W
8,050.0	77.81	270.28	7,868.3	1.8	-376.6	612,403.72	574,854.58	32° 41' 0.101 N	104° 5' 24.149 W
8,075.0	80.81	270.28	7,872.9	1.9	-401.2	612,403.84	574,830.01	32° 41' 0.102 N	104° 5' 24.437 W
8,100.0	83.81	270.28	7,876.3	2.1	-426.0	612,403.96	574,805.24	32° 41' 0.104 N	104° 5' 24.727 W
8,125.0	86.81	270.28	7,878.3	2.2	-450.9	612,404.08	574,780.33	32° 41' 0.106 N	104° 5' 25.018 W
8,150.0	89.81	270.28	7,879.1	2.3	-475.9	612,404.20	574,755.34	32° 41' 0.108 N	104° 5' 25.310 W



Stryker Directional Planning Report - Geographic



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,161.9	91.24	270.28	7,879.0	2.4	-487.8	612,404.26	574,743.44	32° 41' 0.108 N	104° 5' 25.450 W
8161.9' MD LP									
8,191.1	91.24	270.28	7,878.3	2.5	-517.0	612,404.40	574,714.25	32° 41' 0.111 N	104° 5' 25.791 W
LP Gobbler 5 B2PM St Com #1H									
8,200.0	91.24	270.28	7,878.1	2.5	-525.8	612,404.44	574,705.35	32° 41' 0.111 N	104° 5' 25.895 W
8,300.0	91.24	270.28	7,876.0	3.0	-625.8	612,404.93	574,605.38	32° 41' 0.118 N	104° 5' 27.065 W
8,400.0	91.24	270.28	7,873.8	3.5	-725.8	612,405.41	574,505.40	32° 41' 0.125 N	104° 5' 28.235 W
8,500.0	91.24	270.28	7,871.6	4.0	-825.8	612,405.89	574,405.43	32° 41' 0.132 N	104° 5' 29.405 W
8,600.0	91.24	270.28	7,869.5	4.5	-925.8	612,406.38	574,305.45	32° 41' 0.139 N	104° 5' 30.574 W
8,700.0	91.24	270.28	7,867.3	5.0	-1,025.7	612,406.86	574,205.48	32° 41' 0.146 N	104° 5' 31.744 W
8,800.0	91.24	270.28	7,865.2	5.4	-1,125.7	612,407.34	574,105.50	32° 41' 0.153 N	104° 5' 32.914 W
8,900.0	91.24	270.28	7,863.0	5.9	-1,225.7	612,407.83	574,005.53	32° 41' 0.160 N	104° 5' 34.084 W
9,000.0	91.24	270.28	7,860.8	6.4	-1,325.7	612,408.31	573,905.55	32° 41' 0.167 N	104° 5' 35.253 W
9,100.0	91.24	270.28	7,858.7	6.9	-1,425.6	612,408.79	573,805.57	32° 41' 0.174 N	104° 5' 36.423 W
9,200.0	91.24	270.28	7,856.5	7.4	-1,525.6	612,409.27	573,705.60	32° 41' 0.181 N	104° 5' 37.593 W
9,300.0	91.24	270.28	7,854.4	7.9	-1,625.6	612,409.76	573,605.62	32° 41' 0.188 N	104° 5' 38.763 W
9,400.0	91.24	270.28	7,852.2	8.3	-1,725.6	612,410.24	573,505.65	32° 41' 0.195 N	104° 5' 39.933 W
9,500.0	91.24	270.28	7,850.0	8.8	-1,825.5	612,410.72	573,405.67	32° 41' 0.202 N	104° 5' 41.102 W
9,600.0	91.24	270.28	7,847.9	9.3	-1,925.5	612,411.21	573,305.70	32° 41' 0.209 N	104° 5' 42.272 W
9,700.0	91.24	270.28	7,845.7	9.8	-2,025.5	612,411.69	573,205.72	32° 41' 0.216 N	104° 5' 43.442 W
9,800.0	91.24	270.28	7,843.6	10.3	-2,125.5	612,412.17	573,105.75	32° 41' 0.223 N	104° 5' 44.612 W
9,900.0	91.24	270.28	7,841.4	10.8	-2,225.4	612,412.65	573,005.77	32° 41' 0.230 N	104° 5' 45.781 W
10,000.0	91.24	270.28	7,839.2	11.2	-2,325.4	612,413.14	572,905.79	32° 41' 0.237 N	104° 5' 46.951 W
10,100.0	91.24	270.28	7,837.1	11.7	-2,425.4	612,413.62	572,805.82	32° 41' 0.244 N	104° 5' 48.121 W
10,200.0	91.24	270.28	7,834.9	12.2	-2,525.4	612,414.10	572,705.84	32° 41' 0.251 N	104° 5' 49.291 W
10,300.0	91.24	270.28	7,832.8	12.7	-2,625.3	612,414.59	572,605.87	32° 41' 0.258 N	104° 5' 50.460 W
10,400.0	91.24	270.28	7,830.6	13.2	-2,725.3	612,415.07	572,505.89	32° 41' 0.265 N	104° 5' 51.630 W
10,500.0	91.24	270.28	7,828.4	13.6	-2,825.3	612,415.55	572,405.92	32° 41' 0.272 N	104° 5' 52.800 W
10,600.0	91.24	270.28	7,826.3	14.1	-2,925.3	612,416.04	572,305.94	32° 41' 0.279 N	104° 5' 53.970 W
10,700.0	91.24	270.28	7,824.1	14.6	-3,025.2	612,416.52	572,205.97	32° 41' 0.286 N	104° 5' 55.139 W
10,800.0	91.24	270.28	7,822.0	15.1	-3,125.2	612,417.00	572,105.99	32° 41' 0.293 N	104° 5' 56.309 W
10,900.0	91.24	270.28	7,819.8	15.6	-3,225.2	612,417.48	572,006.02	32° 41' 0.300 N	104° 5' 57.479 W
11,000.0	91.24	270.28	7,817.6	16.1	-3,325.2	612,417.97	571,906.04	32° 41' 0.307 N	104° 5' 58.649 W
11,100.0	91.24	270.28	7,815.5	16.5	-3,425.1	612,418.45	571,806.06	32° 41' 0.314 N	104° 5' 59.818 W
11,200.0	91.24	270.28	7,813.3	17.0	-3,525.1	612,418.93	571,706.09	32° 41' 0.321 N	104° 6' 0.988 W
11,300.0	91.24	270.28	7,811.2	17.5	-3,625.1	612,419.42	571,606.11	32° 41' 0.328 N	104° 6' 2.158 W
11,400.0	91.24	270.28	7,809.0	18.0	-3,725.1	612,419.90	571,506.14	32° 41' 0.335 N	104° 6' 3.328 W
11,500.0	91.24	270.28	7,806.8	18.5	-3,825.0	612,420.38	571,406.16	32° 41' 0.342 N	104° 6' 4.498 W
11,600.0	91.24	270.28	7,804.7	19.0	-3,925.0	612,420.87	571,306.19	32° 41' 0.349 N	104° 6' 5.667 W
11,700.0	91.24	270.28	7,802.5	19.4	-4,025.0	612,421.35	571,206.21	32° 41' 0.356 N	104° 6' 6.837 W
11,800.0	91.24	270.28	7,800.4	19.9	-4,125.0	612,421.83	571,106.24	32° 41' 0.363 N	104° 6' 8.007 W
11,900.0	91.24	270.28	7,798.2	20.4	-4,224.9	612,422.31	571,006.26	32° 41' 0.370 N	104° 6' 9.177 W
12,000.0	91.24	270.28	7,796.0	20.9	-4,324.9	612,422.80	570,906.28	32° 41' 0.377 N	104° 6' 10.346 W
12,100.0	91.24	270.28	7,793.9	21.4	-4,424.9	612,423.28	570,806.31	32° 41' 0.384 N	104° 6' 11.516 W
12,200.0	91.24	270.28	7,791.7	21.9	-4,524.9	612,423.76	570,706.33	32° 41' 0.390 N	104° 6' 12.686 W
12,300.0	91.24	270.28	7,789.6	22.3	-4,624.8	612,424.25	570,606.36	32° 41' 0.397 N	104° 6' 13.856 W
12,326.0	91.24	270.28	7,789.0	22.5	-4,650.8	612,424.37	570,580.36	32° 41' 0.399 N	104° 6' 14.160 W
12326' MD PBHL - PBHL Gobbler 5 B2PM St Com #1H									



Stryker Directional Planning Report - Geographic



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company .	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PBHL Gobbler 5 B2PI	0.00	0.00	7,789.0	22.5	-4,650.8	612,424.37	570,580.36	32° 41' 0.399 N	104° 6' 14.160 W
- plan hits target center									
- Point									
LP Gobbler 5 B2PM S	0.00	0.00	7,879.0	2.4	-517.0	612,404.34	574,714.23	32° 41' 0.110 N	104° 5' 25.791 W
- plan misses target center by 0.7usft at 8191.1usft MD (7878.3 TVD, 2.5 N, -517.0 E)									
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,401.6	7,401.6	0.0	0.0	7401.6' MD KOP
8,161.9	7,879.0	2.4	-487.8	8161.9' MD LP
12,326.0	7,789.0	22.5	-4,650.8	12326' MD PBHL



COMPANY: Mewbourne Oil Company
 WELL: Gobbler 5 B2PM State Com #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson 41



OFFICE: 936.582.7296

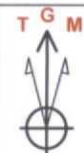
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.29°

GEODETTIC ZONE: New Mexico East 3001 3409 + 20 @ 3429.0usft (Patterson 41) GROUND ELEVATION: 3409.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	612401.90	575231.20	32° 41' 0.074 N	104° 5' 19.743 W	

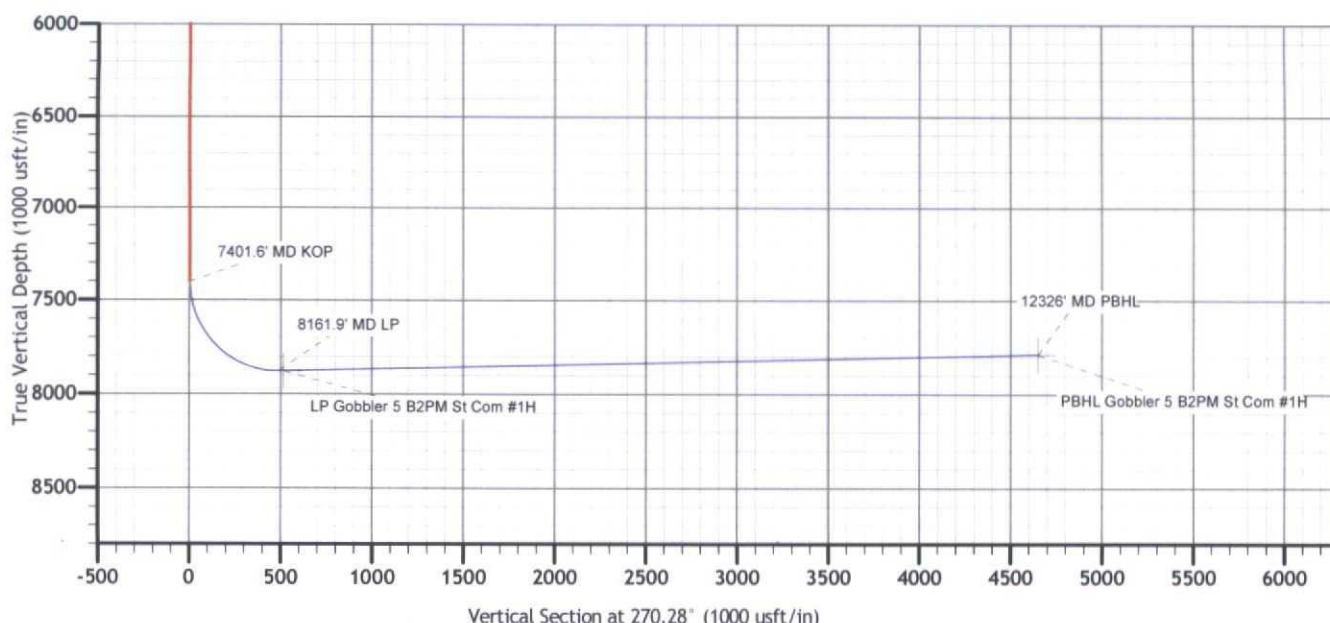
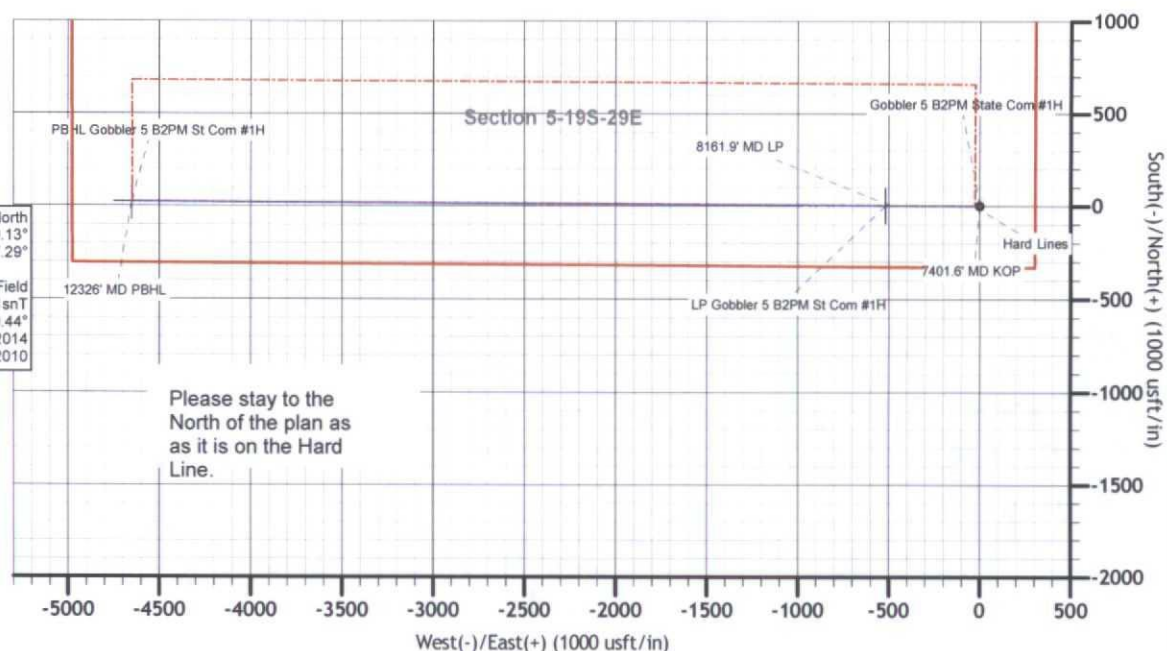
PLAN SECTIONS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2	7401.6	0.00	0.00	7401.6	0.0	0.0	0.00	0.00	0.0
3	8161.9	91.24	270.28	7879.0	2.4	-487.8	12.00	270.28	487.8
4	12326.0	91.24	270.28	7789.0	22.5	-4650.8	0.00	0.00	4650.9

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL Gobbler 5 B2PM St Com #1H	7789.0	22.5	-4650.8	612424.37	570580.36	32° 41' 0.399 N	104° 6' 14.160 W	Point	
LP Gobbler 5 B2PM St Com #1H	7879.0	2.4	-517.0	612404.34	574714.23	32° 41' 0.110 N	104° 5' 25.791 W	Point	

Please stay to the North of the plan as it is on the Hard Line.



Azimuths to Grid North
 True North: -0.13°
 Magnetic North: 7.29°
 Magnetic Field
 Strength: 48482.1snT
 Dip Angle: 60.44°
 Date: 12/29/2014
 Model: IGRF2010





Mewbourne Oil Company .

Eddy County, New Mexico

Section 5-19S-29E Gobbler 5 B2PM St Com #1H

Gobbler 5 B2PM State Com #1H

Original Hole

Plan: Plan#1

Standard Planning Report

29 December, 2014

Attachment

D





Stryker Directional Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company .	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#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	Section 5-19S-29E Gobbler 5 B2PM St Com #1H		
Site Position:	From:	Map	
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
Northing:	612,401.90 usft	Latitude:	32° 41' 0.074 N
Easting:	575,231.20 usft	Longitude:	104° 5' 19.743 W
Grid Convergence:			0.13 °

Well	Gobbler 5 B2PM State Com #1H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
Latitude:	32° 41' 0.074 N		
Longitude:	104° 5' 19.743 W		
Ground Level:	3,409.0 usft		

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	12/29/2014	7.42
			Dip Angle (°)
			60.44
			Field Strength (nT)
			48,482

Design	Plan#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 (°)
			270.28

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	
7,401.6	0.00	0.00	7,401.6	0.0	0.0	0.00	0.00	0.00	0.00	
8,161.9	91.24	270.28	7,879.0	2.4	-487.8	12.00	12.00	-11.80	270.28	
12,326.0	91.24	270.28	7,789.0	22.5	-4,650.8	0.00	0.00	0.00	0.00	PBHL Gobbler 5 B2



Stryker Directional Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#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



Stryker Directional Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#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
7,401.6	0.00	0.00	7,401.6	0.0	0.0	0.0	0.00	0.00	0.00
7401.6 MD KOP									
7,425.0	2.81	270.28	7,425.0	0.0	-0.6	0.6	12.00	12.00	0.00
7,450.0	5.81	270.28	7,449.9	0.0	-2.5	2.5	12.00	12.00	0.00
7,475.0	8.81	270.28	7,474.7	0.0	-5.6	5.6	12.00	12.00	0.00
7,500.0	11.81	270.28	7,499.3	0.0	-10.1	10.1	12.00	12.00	0.00
7,525.0	14.81	270.28	7,523.6	0.1	-15.9	15.9	12.00	12.00	0.00
7,550.0	17.81	270.28	7,547.6	0.1	-22.9	22.9	12.00	12.00	0.00
7,575.0	20.81	270.28	7,571.2	0.2	-31.1	31.1	12.00	12.00	0.00
7,600.0	23.81	270.28	7,594.3	0.2	-40.6	40.6	12.00	12.00	0.00
7,625.0	26.81	270.28	7,616.9	0.2	-51.3	51.3	12.00	12.00	0.00
7,650.0	29.81	270.28	7,638.9	0.3	-63.2	63.2	12.00	12.00	0.00
7,675.0	32.81	270.28	7,660.3	0.4	-76.2	76.2	12.00	12.00	0.00
7,700.0	35.81	270.28	7,681.0	0.4	-90.2	90.2	12.00	12.00	0.00
7,725.0	38.81	270.28	7,700.8	0.5	-105.4	105.4	12.00	12.00	0.00
7,750.0	41.81	270.28	7,719.9	0.6	-121.6	121.6	12.00	12.00	0.00
7,775.0	44.81	270.28	7,738.1	0.7	-138.7	138.7	12.00	12.00	0.00
7,800.0	47.81	270.28	7,755.4	0.8	-156.8	156.8	12.00	12.00	0.00
7,825.0	50.81	270.28	7,771.7	0.8	-175.7	175.7	12.00	12.00	0.00
7,850.0	53.81	270.28	7,786.9	0.9	-195.5	195.5	12.00	12.00	0.00
7,875.0	56.81	270.28	7,801.2	1.0	-216.1	216.1	12.00	12.00	0.00
7,900.0	59.81	270.28	7,814.3	1.1	-237.3	237.3	12.00	12.00	0.00
7,925.0	62.81	270.28	7,826.3	1.3	-259.3	259.3	12.00	12.00	0.00
7,950.0	65.81	270.28	7,837.1	1.4	-281.8	281.8	12.00	12.00	0.00
7,975.0	68.81	270.28	7,846.8	1.5	-304.9	304.9	12.00	12.00	0.00
8,000.0	71.81	270.28	7,855.2	1.6	-328.4	328.4	12.00	12.00	0.00
8,025.0	74.81	270.28	7,862.4	1.7	-352.3	352.3	12.00	12.00	0.00
8,050.0	77.81	270.28	7,868.3	1.8	-376.6	376.6	12.00	12.00	0.00
8,075.0	80.81	270.28	7,872.9	1.9	-401.2	401.2	12.00	12.00	0.00
8,100.0	83.81	270.28	7,876.3	2.1	-426.0	426.0	12.00	12.00	0.00
8,125.0	86.81	270.28	7,878.3	2.2	-450.9	450.9	12.00	12.00	0.00
8,150.0	89.81	270.28	7,879.1	2.3	-475.9	475.9	12.00	12.00	0.00



Stryker Directional Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#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)
8,161.9	91.24	270.28	7,879.0	2.4	-487.8	487.8	12.00	12.00	0.00
8161.9' MD LP									
8,191.1	91.24	270.28	7,878.3	2.5	-517.0	517.0	0.00	0.00	0.00
LP Gobbler 5 B2PM St Com #1H									
8,200.0	91.24	270.28	7,878.1	2.5	-525.8	525.9	0.02	0.02	0.00
8,300.0	91.24	270.28	7,876.0	3.0	-625.8	625.8	0.00	0.00	0.00
8,400.0	91.24	270.28	7,873.8	3.5	-725.8	725.8	0.00	0.00	0.00
8,500.0	91.24	270.28	7,871.6	4.0	-825.8	825.8	0.00	0.00	0.00
8,600.0	91.24	270.28	7,869.5	4.5	-925.8	925.8	0.00	0.00	0.00
8,700.0	91.24	270.28	7,867.3	5.0	-1,025.7	1,025.7	0.00	0.00	0.00
8,800.0	91.24	270.28	7,865.2	5.4	-1,125.7	1,125.7	0.00	0.00	0.00
8,900.0	91.24	270.28	7,863.0	5.9	-1,225.7	1,225.7	0.00	0.00	0.00
9,000.0	91.24	270.28	7,860.8	6.4	-1,325.7	1,325.7	0.00	0.00	0.00
9,100.0	91.24	270.28	7,858.7	6.9	-1,425.6	1,425.6	0.00	0.00	0.00
9,200.0	91.24	270.28	7,856.5	7.4	-1,525.6	1,525.6	0.00	0.00	0.00
9,300.0	91.24	270.28	7,854.4	7.9	-1,625.6	1,625.6	0.00	0.00	0.00
9,400.0	91.24	270.28	7,852.2	8.3	-1,725.6	1,725.6	0.00	0.00	0.00
9,500.0	91.24	270.28	7,850.0	8.8	-1,825.5	1,825.6	0.00	0.00	0.00
9,600.0	91.24	270.28	7,847.9	9.3	-1,925.5	1,925.5	0.00	0.00	0.00
9,700.0	91.24	270.28	7,845.7	9.8	-2,025.5	2,025.5	0.00	0.00	0.00
9,800.0	91.24	270.28	7,843.6	10.3	-2,125.5	2,125.5	0.00	0.00	0.00
9,900.0	91.24	270.28	7,841.4	10.8	-2,225.4	2,225.5	0.00	0.00	0.00
10,000.0	91.24	270.28	7,839.2	11.2	-2,325.4	2,325.4	0.00	0.00	0.00
10,100.0	91.24	270.28	7,837.1	11.7	-2,425.4	2,425.4	0.00	0.00	0.00
10,200.0	91.24	270.28	7,834.9	12.2	-2,525.4	2,525.4	0.00	0.00	0.00
10,300.0	91.24	270.28	7,832.8	12.7	-2,625.3	2,625.4	0.00	0.00	0.00
10,400.0	91.24	270.28	7,830.6	13.2	-2,725.3	2,725.3	0.00	0.00	0.00
10,500.0	91.24	270.28	7,828.4	13.6	-2,825.3	2,825.3	0.00	0.00	0.00
10,600.0	91.24	270.28	7,826.3	14.1	-2,925.3	2,925.3	0.00	0.00	0.00
10,700.0	91.24	270.28	7,824.1	14.6	-3,025.2	3,025.3	0.00	0.00	0.00
10,800.0	91.24	270.28	7,822.0	15.1	-3,125.2	3,125.2	0.00	0.00	0.00
10,900.0	91.24	270.28	7,819.8	15.6	-3,225.2	3,225.2	0.00	0.00	0.00
11,000.0	91.24	270.28	7,817.6	16.1	-3,325.2	3,325.2	0.00	0.00	0.00
11,100.0	91.24	270.28	7,815.5	16.5	-3,425.1	3,425.2	0.00	0.00	0.00
11,200.0	91.24	270.28	7,813.3	17.0	-3,525.1	3,525.2	0.00	0.00	0.00
11,300.0	91.24	270.28	7,811.2	17.5	-3,625.1	3,625.1	0.00	0.00	0.00
11,400.0	91.24	270.28	7,809.0	18.0	-3,725.1	3,725.1	0.00	0.00	0.00
11,500.0	91.24	270.28	7,806.8	18.5	-3,825.0	3,825.1	0.00	0.00	0.00
11,600.0	91.24	270.28	7,804.7	19.0	-3,925.0	3,925.1	0.00	0.00	0.00
11,700.0	91.24	270.28	7,802.5	19.4	-4,025.0	4,025.0	0.00	0.00	0.00
11,800.0	91.24	270.28	7,800.4	19.9	-4,125.0	4,125.0	0.00	0.00	0.00
11,900.0	91.24	270.28	7,798.2	20.4	-4,224.9	4,225.0	0.00	0.00	0.00
12,000.0	91.24	270.28	7,796.0	20.9	-4,324.9	4,325.0	0.00	0.00	0.00
12,100.0	91.24	270.28	7,793.9	21.4	-4,424.9	4,424.9	0.00	0.00	0.00
12,200.0	91.24	270.28	7,791.7	21.9	-4,524.9	4,524.9	0.00	0.00	0.00
12,300.0	91.24	270.28	7,789.6	22.3	-4,624.8	4,624.9	0.00	0.00	0.00
12,326.0	91.24	270.28	7,789.0	22.5	-4,650.8	4,650.9	0.00	0.00	0.00
12326' MD PBHL - PBHL Gobbler 5 B2PM St Com #1H									



Stryker Directional Planning Report



Database:	Stryker_EDM	Local Co-ordinate Reference:	Well Gobbler 5 B2PM State Com #1H
Company:	Mewbourne Oil Company .	TVD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Project:	Eddy County, New Mexico	MD Reference:	3409 + 20 @ 3429.0usft (Patterson 41)
Site:	Section 5-19S-29E Gobbler 5 B2PM St Com #1H	North Reference:	Grid
Well:	Gobbler 5 B2PM State Com #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan#1		

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PBHL Gobbler 5 B2PI - plan hits target center - Point	0.00	0.00	7,789.0	22.5	-4,650.8	612,424.37	570,580.36	32° 41' 0.399 N	104° 6' 14.160 W
LP Gobbler 5 B2PM S - plan misses target center by 0.7usft at 8191.1usft MD (7878.3 TVD, 2.5 N, -517.0 E) - Point	0.00	0.00	7,879.0	2.4	-517.0	612,404.34	574,714.23	32° 41' 0.110 N	104° 5' 25.791 W

Plan Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
7,401.6	7,401.6	0.0	0.0	7401.6' MD KOP
8,161.9	7,879.0	2.4	-487.8	8161.9' MD LP
12,326.0	7,789.0	22.5	-4,650.8	12326' MD PBHL