

Kingsley Directional LLC



**New Mexico Energy, Minerals and Natural Resources Department
Attn: Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505**

**Re Mewbourne Oil Company
Motley 6/7 WOAHH Fed Com #1H
Wolfcap
Eddy County, New Mexico
API# 30-015-44466**

**NM OIL CONSERVATION
ARTESIA DISTRICT**

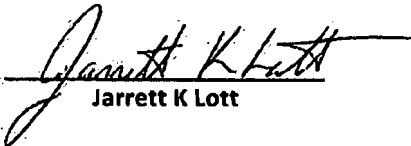
JUN 07 2018

RECEIVED

Enclosed please find a copy of the survey performed on the reference well by Kingsley Directional LLC
Other information required by your office is as followed:

<u>Name</u>	<u>Drainhole #</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Survey Type</u>
Skip Agness	New	598' to 16452'	12/24/17 - 01/23/217	MWD

A certified plat at which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jarrett K Lott

Enclosures

CC:

Mewbourne Oil Company
Attn: Kyle Freidenbloom
PO Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
PO Box 5720
Hobbs, NM 88241

**Kingsley Directional LLC
13843 Hwy 105 W Suite 214
Conroe, TX 77304
(432)556-1960**

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Kingsley Directional LLC



Survey Certification Report

STATE OF TEXAS

COUNTY OF MONTGOMERY

I, **Jarrett K Lott**, certify that I am employed by Kingsley Directional LLC, and that I did on the day(s) of December 24,, 2017, through January 23, 2018 conduct or supervise the taking of a MWD Survey from the depth of 598 feet to a depth of 16,452 feet; that the data is true, complete, and within the limitations set forth by Kingsley Directional, LLC, that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Boston 7W0MP Fee #2H well, **API# 30-015-44463** in Eddy County, New Mexico.


Jarrett K Lott

Kingsley Directional LLC

Kingsley Directional LLC
13843 Hwy 105 W Suite 214
Conroe, TX 77304
(432)556-1960



Mewbourne Oil

Eddy County, NM (NAD-83)

Motley 6/7

W0AH Fee Com #1H

OH

Design: OH

Standard Survey Report

01 February, 2018



www.prototypewellplanning.com
Survey Report

Company: Mewbourne Oil
Project: Eddy County, NM (NAD-83)
Site: Motley 6/7
Well: W0AH Fee Com #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W0AH Fee Com #1H
TVD Reference: RKB = 27' @ 3129.00usft (Patterson 217)
MD Reference: RKB = 27' @ 3129.00usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Project	Eddy County, NM (NAD-83)
Map System:	US State Plane 1983
Geo Datum:	North American Datum 1983
Map Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

Site		Motley 6/7			
Site Position:		Northing:	455,983.49 usft	Latitude:	32.253396
From:	Map	Easting:	606,906.90 usft	Longitude:	-104.121228
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well	W0AH Fee Com #1H					
Well Position	+N/-S	0.00 usft	Northing:	455,953.50 usft	Latitude:	32.253314
	+E/-W	0.00 usft	Easting:	606,907.00 usft	Longitude:	-104.121228
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,102.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/21/2017	7.15	59.99	47,846

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.99

Survey Program		Date	2/1/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
598.00	16,510.00	Survey #1 (OH)	MWD	MWD - Standard	

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)
515.00	1.30	193.10	514.95	-4.43	-2.06	4.43	0.00	0.00	0.00
598.00	0.90	229.20	597.94	-5.77	-2.77	5.77	0.94	-0.48	43.49
688.00	0.40	86.00	687.93	-6.21	-2.99	6.21	1.38	-0.56	-159.11
779.00	0.40	133.10	778.93	-6.41	-2.44	6.41	0.35	0.00	51.76
877.00	0.40	252.40	876.93	-6.74	-2.52	6.74	0.70	0.00	121.73
971.00	1.60	87.00	970.92	-6.78	-1.52	6.78	2.12	1.28	-175.96
1,066.00	1.80	89.60	1,065.88	-6.19	1.20	6.19	0.58	0.21	-18.32
1,160.00	3.30	81.70	1,159.78	-5.28	5.27	5.28	1.69	1.60	12.87
1,255.00	4.00	85.60	1,254.59	-4.63	11.28	4.63	0.78	0.74	4.11
1,350.00	4.50	83.90	1,349.33	-3.98	18.28	3.98	0.54	0.53	-1.79



Survey Report

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Site: Motley 6/7
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Wellbore: OH
Design: OH

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Database: EDM 5000.1 Single User Db

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)
1,444.00	4.00	86.10	1,443.07	-3.37	25.22	3.37	0.56	-0.53	2.34
1,538.00	4.00	87.20	1,536.84	-2.98	31.77	2.99	0.08	0.00	1.17
1,633.00	5.30	90.20	1,631.53	-2.84	39.47	2.84	1.39	1.37	3.16
1,727.00	5.10	87.70	1,725.14	-2.68	47.98	2.69	0.32	-0.21	-2.66
1,823.00	3.90	88.80	1,820.84	-2.44	55.51	2.45	1.25	-1.25	1.15
1,921.00	4.40	86.00	1,918.58	-2.11	62.59	2.12	0.55	0.51	-2.86
2,016.00	4.30	89.00	2,013.31	-1.80	69.79	1.81	0.26	-0.11	3.16
2,111.00	3.20	90.70	2,108.11	-1.77	76.00	1.78	1.16	-1.16	1.79
2,207.00	2.70	96.00	2,203.98	-2.04	80.93	2.05	0.59	-0.52	5.52
2,301.00	3.40	98.60	2,297.84	-2.68	85.89	2.70	0.76	0.74	2.77
2,396.00	2.60	72.10	2,392.72	-2.44	90.72	2.46	1.66	-0.84	-27.89
2,491.00	2.20	61.00	2,487.64	-0.90	94.37	0.91	0.64	-0.42	-11.68
2,586.00	3.50	87.90	2,582.52	0.09	98.86	-0.08	1.93	1.37	28.32
2,680.00	3.90	91.90	2,676.32	0.09	104.92	-0.07	0.51	0.43	4.26
2,775.00	3.80	96.00	2,771.11	-0.34	111.28	0.36	0.31	-0.11	4.32
2,870.00	4.00	82.60	2,865.89	-0.25	117.70	0.27	0.98	0.21	-14.11
2,965.00	4.00	83.70	2,960.66	0.54	124.28	-0.52	0.08	0.00	1.16
3,059.00	3.10	87.00	3,054.48	1.04	130.08	-1.01	0.98	-0.96	3.51
3,154.00	2.90	89.80	3,149.35	1.18	135.04	-1.16	0.26	-0.21	2.95
3,248.00	2.60	87.90	3,243.24	1.27	139.55	-1.24	0.33	-0.32	-2.02
3,343.00	2.10	86.30	3,338.16	1.46	143.44	-1.43	0.53	-0.53	-1.68
3,437.00	3.80	88.40	3,432.03	1.66	148.28	-1.63	1.81	1.81	2.23
3,532.00	3.70	87.90	3,526.83	1.86	154.49	-1.83	0.11	-0.11	-0.53
3,627.00	3.80	89.10	3,621.63	2.02	160.70	-1.99	0.13	0.11	1.26
3,722.00	3.30	90.90	3,716.44	2.02	166.58	-2.00	0.54	-0.53	1.89
3,816.00	3.00	89.10	3,810.30	2.02	171.74	-1.99	0.34	-0.32	-1.91
3,911.00	2.70	93.00	3,905.18	1.94	176.46	-1.91	0.38	-0.32	4.11
4,006.00	4.50	87.20	3,999.99	2.01	182.42	-1.98	1.93	1.89	-6.11
4,101.00	4.70	89.10	4,094.69	2.25	190.03	-2.22	0.26	0.21	2.00
4,196.00	4.80	86.10	4,189.36	2.58	197.89	-2.55	0.28	0.11	-3.16
4,291.00	3.60	100.20	4,284.11	2.32	204.79	-2.29	1.66	-1.26	14.84
4,386.00	3.50	106.20	4,378.92	0.99	210.51	-0.95	0.40	-0.11	6.32
4,480.00	3.10	97.60	4,472.77	-0.15	215.79	0.19	0.68	-0.43	-9.15
4,575.00	2.80	98.10	4,567.64	-0.82	220.63	0.85	0.32	-0.32	0.53
4,670.00	3.60	93.50	4,662.49	-1.33	225.91	1.36	0.88	0.84	-4.84
4,764.00	2.90	92.60	4,756.34	-1.61	231.23	1.65	0.75	-0.74	-0.96
4,859.00	2.20	92.60	4,851.25	-1.80	235.45	1.85	0.74	-0.74	0.00
4,954.00	3.70	89.10	4,946.12	-1.84	240.34	1.88	1.59	1.58	-3.68
5,048.00	3.50	85.80	5,039.93	-1.58	246.23	1.62	0.31	-0.21	-3.51
5,143.00	2.40	81.20	5,134.81	-1.07	251.09	1.11	1.18	-1.16	-4.84
5,238.00	3.90	83.90	5,229.66	-0.42	256.27	0.48	1.59	1.58	2.84
5,333.00	4.00	89.10	5,324.43	-0.02	262.79	0.07	0.39	0.11	5.47
5,428.00	3.90	89.10	5,419.21	0.08	269.33	-0.03	0.11	-0.11	0.00
5,523.00	3.20	94.10	5,514.03	-0.06	275.21	0.11	0.81	-0.74	5.26



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5,618.00	3.10	100.70	5,608.88	-0.72	280.38	0.77	0.40	-0.11	6.95
5,713.00	3.60	88.80	5,703.72	-1.14	285.88	1.19	0.90	0.53	-12.53
5,808.00	3.10	93.00	5,798.56	-1.21	291.43	1.26	0.59	-0.53	4.42
5,902.00	2.50	103.00	5,892.45	-1.81	295.97	1.86	0.82	-0.64	10.64
5,998.00	2.50	115.80	5,988.36	-3.19	299.89	3.24	0.58	0.00	13.33
6,093.00	3.30	113.00	6,083.23	-5.16	304.28	5.21	0.85	0.84	-2.95
6,188.00	2.60	109.20	6,178.11	-6.93	308.83	6.99	0.76	-0.74	-4.00
6,283.00	1.90	81.20	6,273.04	-7.40	312.42	7.46	1.35	-0.74	-29.47
6,378.00	2.70	58.50	6,367.96	-5.99	315.88	6.05	1.26	0.84	-23.89
6,473.00	2.90	68.40	6,462.85	-3.94	320.03	3.99	0.55	0.21	10.42
6,568.00	2.40	74.90	6,557.75	-2.54	324.18	2.59	0.61	-0.53	6.84
6,663.00	2.90	82.20	6,652.65	-0.90	328.23	0.95	0.81	0.53	-13.37
6,757.00	4.80	84.60	6,746.43	0.58	334.25	-0.52	2.54	2.02	23.83
6,852.00	5.50	88.40	6,841.05	1.08	342.75	-1.02	0.82	0.74	4.00
6,947.00	4.80	89.30	6,935.67	1.26	351.28	-1.20	0.74	-0.74	0.95
7,042.00	3.50	78.40	7,030.42	1.89	358.09	-1.83	1.59	-1.37	-11.47
7,137.00	3.50	89.80	7,125.24	2.48	363.84	-2.42	0.73	0.00	12.00
7,232.00	3.70	93.20	7,220.05	2.32	369.80	-2.26	0.31	0.21	3.58
7,327.00	3.00	107.90	7,314.89	1.39	375.22	-1.32	1.16	-0.74	15.47
7,422.00	3.90	118.70	7,409.72	-0.93	380.42	0.99	1.16	0.95	11.37
7,517.00	4.60	166.30	7,504.49	-6.18	384.16	6.25	3.67	0.74	50.11
7,612.00	6.50	173.50	7,599.04	-15.23	385.67	15.29	2.13	2.00	7.58
7,707.00	4.30	171.60	7,693.61	-24.09	386.80	24.16	2.32	-2.32	-2.00
7,802.00	3.20	139.10	7,788.42	-29.62	389.08	29.69	2.47	-1.16	-34.21
7,897.00	3.80	108.90	7,883.25	-32.54	393.80	32.61	2.13	0.63	-33.89
7,991.00	3.30	78.20	7,977.07	-32.89	399.43	32.96	1.94	-0.53	-30.53
8,086.00	2.30	64.30	8,071.96	-31.51	403.83	31.58	1.26	-1.05	-14.83
8,182.00	1.80	55.00	8,167.90	-29.81	406.80	29.88	0.62	-0.52	-9.69
8,276.00	1.90	61.90	8,261.85	-28.23	409.38	28.30	0.26	0.11	7.34
8,372.00	1.40	104.40	8,357.81	-27.77	411.92	27.84	1.34	-0.52	44.27
8,468.00	0.70	168.90	8,451.80	-28.62	413.15	28.69	1.35	-0.74	68.62
8,560.00	1.00	332.80	8,545.80	-28.45	412.88	28.52	1.79	0.32	174.15
8,655.00	1.60	308.70	8,640.77	-26.89	411.46	26.96	0.84	0.63	-25.16
8,750.00	0.90	325.90	8,735.75	-25.44	410.01	25.51	0.83	-0.74	18.11
8,852.00	1.40	261.30	8,837.73	-24.97	408.33	25.04	1.27	0.49	-63.33
8,967.00	2.30	175.20	8,952.69	-27.48	407.13	27.55	2.27	0.78	-74.87
8,999.00	5.40	156.30	8,984.61	-29.50	407.79	29.57	10.34	9.69	-59.06
9,031.00	8.50	149.20	9,016.37	-32.91	409.61	32.98	10.03	9.69	-22.19
9,062.00	11.60	145.60	9,046.89	-37.45	412.54	37.52	10.20	10.00	-11.61
9,094.00	15.00	146.60	9,078.03	-43.56	416.64	43.64	10.65	10.63	3.13
9,126.00	18.80	148.90	9,108.64	-51.44	421.59	51.51	12.06	11.88	7.19
9,157.00	22.40	150.70	9,137.66	-60.87	427.06	60.94	11.79	11.61	5.81
9,189.00	26.50	153.40	9,166.78	-72.57	433.24	72.65	13.28	12.81	8.44



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9,221.00	30.70	155.30	9,194.87	-86.39	439.85	86.46	13.43	13.13	5.94
9,253.00	34.50	158.10	9,221.83	-102.22	446.65	102.30	12.77	11.88	8.75
9,284.00	38.80	160.50	9,246.69	-119.53	453.17	119.61	14.62	13.87	7.74
9,316.00	42.50	164.10	9,270.97	-139.39	459.48	139.47	13.69	11.56	11.25
9,348.00	45.20	167.60	9,294.05	-160.88	464.88	160.96	11.34	8.44	10.94
9,379.00	48.40	168.60	9,315.27	-182.99	469.54	183.07	10.59	10.32	3.23
9,411.00	51.10	168.90	9,335.94	-206.94	474.30	207.03	8.47	8.44	0.94
9,443.00	54.20	169.90	9,355.36	-231.94	478.97	232.03	10.00	9.69	3.13
9,474.00	58.50	169.10	9,372.53	-257.31	483.68	257.39	14.04	13.87	-2.58
9,506.00	62.00	168.00	9,388.41	-284.53	489.20	284.62	11.34	10.94	-3.44
9,537.00	65.90	167.30	9,402.02	-311.73	495.16	311.82	12.74	12.58	-2.26
9,569.00	70.10	166.80	9,414.00	-340.64	501.81	340.73	13.20	13.13	-1.56
9,601.00	74.40	167.20	9,423.76	-370.33	508.66	370.42	13.49	13.44	1.25
9,633.00	78.70	167.80	9,431.20	-400.71	515.39	400.80	13.56	13.44	1.88
9,664.00	83.60	168.50	9,435.96	-430.68	521.68	430.77	15.96	15.81	2.26
9,678.00	86.10	169.30	9,437.22	-444.36	524.36	444.45	18.74	17.86	5.71
9,757.00	90.40	168.80	9,439.63	-521.87	539.36	521.86	5.48	5.44	-0.63
9,852.00	90.40	170.00	9,438.97	-615.24	556.83	615.34	1.26	0.00	1.26
9,947.00	90.50	171.20	9,438.22	-708.96	572.35	709.06	1.27	0.11	1.26
10,042.00	92.10	177.70	9,436.07	-803.44	581.53	803.54	7.04	1.68	6.84
10,137.00	90.40	179.90	9,433.99	-898.38	583.52	898.49	2.93	-1.79	2.32
10,232.00	91.60	182.80	9,432.34	-993.33	581.28	993.43	3.30	1.26	3.05
10,327.00	93.20	184.40	9,428.36	-1,088.06	575.32	1,088.16	2.38	1.68	1.68
10,422.00	87.80	181.00	9,427.53	-1,182.90	570.85	1,183.00	6.72	-5.68	-3.58
10,517.00	88.30	180.30	9,430.76	-1,277.84	569.78	1,277.93	0.91	0.53	-0.74
10,613.00	90.10	179.50	9,432.10	-1,373.82	569.94	1,373.92	2.05	1.88	-0.83
10,707.00	89.40	179.00	9,432.51	-1,467.81	571.17	1,467.91	0.92	-0.74	-0.53
10,802.00	89.50	178.40	9,433.42	-1,562.78	573.33	1,562.88	0.64	0.11	-0.63
10,897.00	90.10	176.70	9,433.75	-1,657.69	577.39	1,657.79	1.90	0.63	-1.79
10,993.00	91.30	177.30	9,432.58	-1,753.55	582.41	1,753.65	1.40	1.25	0.63
11,088.00	91.10	178.50	9,430.59	-1,848.46	585.89	1,848.57	1.28	-0.21	1.28
11,183.00	92.40	179.60	9,427.69	-1,943.40	587.47	1,943.50	1.79	1.37	1.16
11,278.00	92.40	181.80	9,423.71	-2,038.31	586.31	2,038.41	2.31	0.00	2.32
11,372.00	90.60	182.20	9,421.25	-2,132.21	583.03	2,132.31	1.96	-1.91	0.43
11,467.00	90.60	182.50	9,420.26	-2,227.13	579.13	2,227.23	0.32	0.00	0.32
11,562.00	90.90	181.50	9,419.01	-2,322.06	575.82	2,322.16	1.10	0.32	-1.05
11,657.00	91.90	181.10	9,416.69	-2,417.01	573.66	2,417.11	1.13	1.05	-0.42
11,752.00	91.50	181.30	9,413.87	-2,511.94	571.68	2,512.04	0.47	-0.42	0.21
11,847.00	90.20	180.40	9,412.46	-2,606.92	570.27	2,607.02	1.66	-1.37	-0.95
11,942.00	90.70	181.60	9,411.72	-2,701.90	568.61	2,702.00	1.37	0.53	1.26
12,037.00	90.90	182.50	9,410.39	-2,796.83	565.21	2,796.93	0.97	0.21	0.95
12,131.00	90.80	183.10	9,409.00	-2,890.71	560.62	2,890.80	0.65	-0.11	0.64
12,226.00	92.00	182.20	9,406.68	-2,985.57	556.23	2,985.67	1.58	1.26	-0.95



Survey Report

Company: Mewbourne Oil
Project: Eddy County, NM (NAD-83)
Site: Motley 6/7
Well: W0AH Fee Com #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W0AH Fee Com #1H
TVD Reference: RKB = 27' @ 3129.00usft (Patterson 217)
MD Reference: RKB = 27' @ 3129.00usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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)
12,321.00	92.30	180.30	9,403.11	-3,080.48	554.16	3,080.58	2.02	0.32	-2.00
12,416.00	92.10	180.90	9,399.47	-3,175.40	553.16	3,175.50	0.67	-0.21	0.63
12,510.00	91.60	180.90	9,396.43	-3,269.34	551.89	3,269.44	0.53	-0.53	0.00
12,605.00	91.10	181.90	9,394.19	-3,364.29	549.37	3,364.38	1.18	-0.53	1.05
12,700.00	89.50	181.90	9,393.70	-3,459.23	546.22	3,459.32	1.68	-1.68	0.00
12,795.00	87.90	181.20	9,395.85	-3,554.17	543.65	3,554.26	1.84	-1.68	-0.74
12,890.00	87.60	178.50	9,399.58	-3,649.08	543.90	3,649.18	2.86	-0.32	-2.84
12,985.00	89.00	177.90	9,402.40	-3,743.99	546.88	3,744.09	1.60	1.47	-0.63
13,080.00	91.00	178.30	9,402.40	-3,838.94	550.03	3,839.03	2.15	2.11	0.42
13,175.00	91.20	178.20	9,400.58	-3,933.87	552.93	3,933.97	0.24	0.21	-0.11
13,270.00	90.90	177.10	9,398.83	-4,028.78	556.82	4,028.87	1.20	-0.32	-1.16
13,365.00	92.00	176.40	9,396.43	-4,123.59	562.21	4,123.69	1.37	1.16	-0.74
13,460.00	88.80	173.90	9,395.77	-4,218.23	570.24	4,218.33	4.27	-3.37	-2.63
13,556.00	88.70	173.60	9,397.86	-4,313.64	580.89	4,313.74	0.33	-0.10	-0.31
13,651.00	92.10	176.80	9,397.20	-4,408.27	588.64	4,408.38	4.91	3.58	3.37
13,746.00	93.70	179.70	9,392.39	-4,503.09	591.53	4,503.20	3.48	1.68	3.05
13,841.00	92.00	178.70	9,387.67	-4,597.96	592.86	4,598.07	2.08	-1.79	-1.05
13,936.00	91.60	179.30	9,384.68	-4,692.90	594.52	4,693.00	0.76	-0.42	0.63
14,031.00	91.80	179.80	9,381.87	-4,787.86	595.26	4,787.96	0.57	0.21	0.53
14,126.00	89.60	181.60	9,380.70	-4,882.83	594.10	4,882.94	2.99	-2.32	1.89
14,220.00	90.80	181.90	9,380.38	-4,976.79	591.23	4,976.89	1.32	1.28	0.32
14,316.00	90.30	183.80	9,379.45	-5,072.66	586.46	5,072.76	2.05	-0.52	1.98
14,410.00	91.40	184.90	9,378.06	-5,166.37	579.33	5,166.47	1.65	1.17	1.17
14,505.00	90.00	184.80	9,376.90	-5,261.02	571.30	5,261.12	1.48	-1.47	-0.11
14,601.00	87.30	184.00	9,379.16	-5,356.71	563.94	5,356.80	2.93	-2.81	-0.83
14,702.00	85.60	182.30	9,385.42	-5,457.35	558.40	5,457.45	2.38	-1.68	-1.68
14,797.00	86.10	181.60	9,392.29	-5,552.05	555.17	5,552.14	0.90	0.53	-0.74
14,892.00	88.50	180.20	9,396.77	-5,646.92	553.68	5,647.02	2.92	2.53	-1.47
14,987.00	92.40	180.70	9,396.02	-5,741.90	552.94	5,741.99	4.14	4.11	0.53
15,081.00	92.00	180.40	9,392.41	-5,835.82	552.03	5,835.92	0.53	-0.43	-0.32
15,177.00	90.20	181.20	9,390.57	-5,931.79	550.69	5,931.89	2.05	-1.88	0.83
15,272.00	89.70	179.40	9,390.65	-6,026.78	550.20	6,026.88	1.97	-0.53	-1.89
15,368.00	90.00	178.60	9,390.90	-6,122.77	551.87	6,122.86	0.89	0.31	-0.83
15,462.00	89.80	179.20	9,391.07	-6,216.75	553.68	6,216.85	0.67	-0.21	0.64
15,557.00	90.00	178.60	9,391.23	-6,311.73	555.50	6,311.83	0.67	0.21	-0.63
15,652.00	89.80	178.60	9,391.40	-6,406.70	557.82	6,406.80	0.21	-0.21	0.00
15,746.00	89.30	178.80	9,392.14	-6,500.69	559.13	6,500.79	1.38	-0.53	1.28
15,841.00	88.10	179.00	9,394.29	-6,595.66	560.13	6,595.76	1.52	-1.26	-0.84
15,936.00	89.10	179.50	9,396.61	-6,690.62	561.37	6,690.72	1.18	1.05	0.53
16,031.00	89.10	179.20	9,398.10	-6,785.60	562.45	6,785.70	0.32	0.00	-0.32
16,126.00	91.20	178.50	9,397.86	-6,880.58	564.36	6,880.67	2.33	2.21	-0.74
16,221.00	90.50	180.00	9,396.45	-6,975.55	565.80	6,975.65	1.74	-0.74	1.58
16,316.00	91.60	180.90	9,394.71	-7,070.53	564.85	7,070.63	1.50	1.16	0.95
16,411.00	88.10	178.20	9,394.95	-7,165.51	565.60	7,165.60	4.65	-3.68	-2.84



Survey Report

Company: Mewbourne Oil
Project: Eddy County, NM (NAD-83)
Site: Motley 6/7
Well: W0AH Fee Com #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well W0AH Fee Com #1H
TVD Reference: RKB = 27' @ 3129.00usft (Patterson 217)
MD Reference: RKB = 27' @ 3129.00usft (Patterson 217)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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)
16,452.00	88.40	178.60	9,396.21	-7,206.47	566.74	7,206.57	1.22	0.73	0.98
16,510.00	88.40	178.60	9,397.83	-7,264.43	568.16	7,264.53	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
W0AH Fee Com #1H:	0.00	0.00	9,397.83	-7,264.43	568.16	448,689.07	607,475.16	32.233341	-104.119435
- actual wellpath hits target center									
- Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
16,510.00	9,397.83	-7,264.43	568.16	TD: Y= 448689.07 / X= 607475.16
16,510.00	9,397.83	-7,264.43	568.16	Final Station Closure Distance= 7286.62 /Direction= 175.53
16,510.00	9,397.83	-7,264.43	568.16	Lat: 32.233341 / Long: -104.119435
16,510.00	9,397.83	-7,264.43	568.16	Projection to Bit: 16510.00' MD/ 9397.83' TVD

Checked By: _____ Approved By: _____ Date: _____



Project: Eddy County, NM (NAD-83)
Site: Motley 6/7
Well: W0AH Fee Com #1H
Wellbore: OH
Design: Plan #5

PROJECT DETAILS: Eddy County, NM (NAD-83)

Goodale System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level



WELL DETAILS: W0AH Fee Com #1H

Rig Name: Patterson 217
RKB = 27' @ 3120.00usft (Patterson 217)
Ground Level: 3102.00
Northing: 455953.60
Easting: 606907.00
Latitude: 32.253313
Longitude: -104.121228

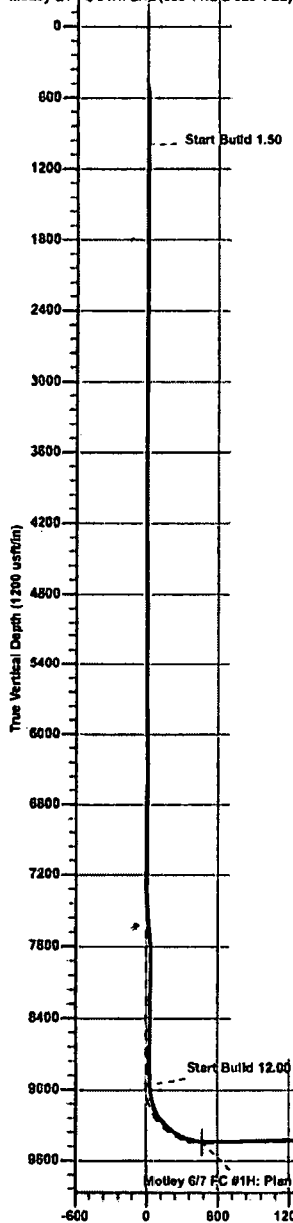
DESIGN TARGET DETAILS

Name	TVD	N-S	E-W	Northing	Easting	Latitude	Longitude	Shape
Motley 6/7 FC #1H: SHL (335' FNL & 920' FEL)	0.00	0.00	0.00	455953.60	606907.00	32.253313	-104.121228	Point
Motley 6/7 FC #1H: PBHL (7310' FNL & 330' FEL)	9425.00	-7267.20	850.30	448886.30	607483.30	32.233334	-104.118376	Point
Motley 6/7 FC #1H: Plan #5 LP	9445.00	-471.31	824.80	455482.19	607431.80	32.262015	-104.119531	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	N-S	E-W	Clog	TFace	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00
3	1230.83	3.48	90.00	1230.79	0.00	6.68	1.50	60.00	0.00
4	8282.23	3.48	90.00	8282.21	0.00	433.02	0.00	0.00	0.08
5	8513.16	0.00	0.00	8500.00	0.00	440.00	1.60	180.00	0.08
6	8280.70	0.00	0.00	8967.54	0.00	440.00	0.00	0.00	0.08
7	9732.12	90.17	179.99	9445.00	-471.31	524.80	12.00	189.80	471.40
8	10411.41	90.17	179.99	9442.09	-1147.02	685.17	1.50	89.92	1147.12
9	16531.62	90.17	179.99	9425.00	-7267.20	586.30	0.00	0.00	7267.30

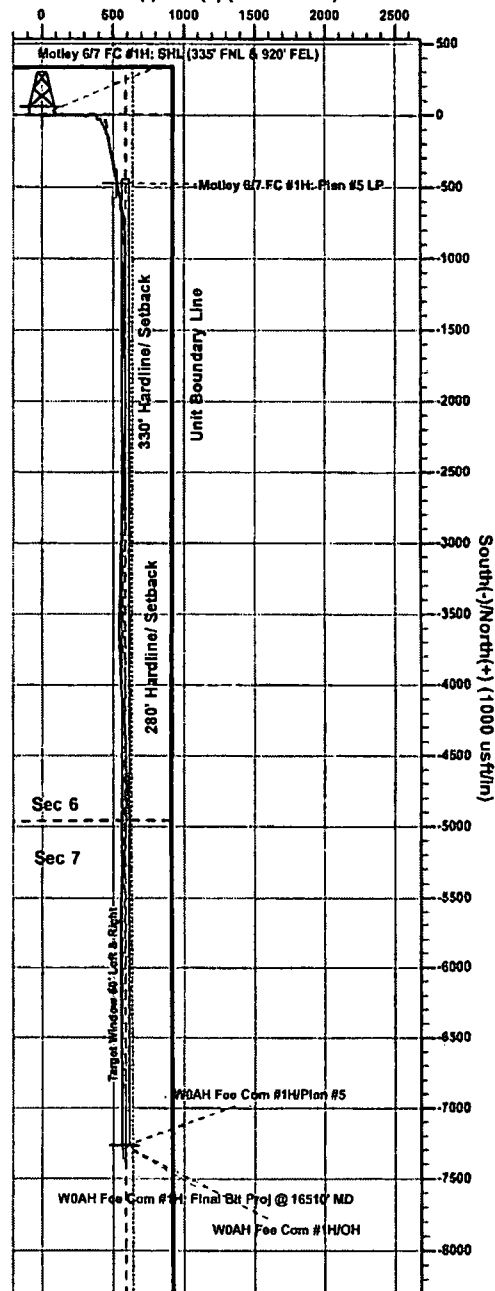
Motley 6/7 FC #1H: SHL (335' FNL & 920' FEL)



Azimuths to Grid North
True North: -0.11°
Magnetic North: 7.04°

Magnetic Field
Strength: 47846.3snT
Dip Angle: 59.99°
Date: 12/21/2017
Model: IGRF2015

West(-)/East(+) (1000 usft/in)



W0AH Fee Com #1H/IOH

TD: Y= 448689.07 / X= 607475.16

Final Station Closure Distance= 7266.62 / Direction= 176.53

Lat: 32.233343 / Long: -104.119435

Projection to BH: 16510.00' MD/ 939.83' TVD

W0AH Fee Com #1H/Plan #5

Plan: Plan #5 (W0AH Fee Com #1H/IOH)

Created By: Matthew May Date: 9:39, February 01 2018

Note: All Plan details including boundary lines and offset well data is subject to customers approval.