

OPERATOR
WELL/LEASE
COUNTY

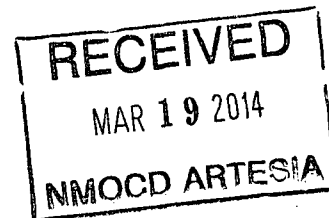
MEWBOURNE OIL COMPANY
DORADO 34 EH FED COM 1H
EDDY

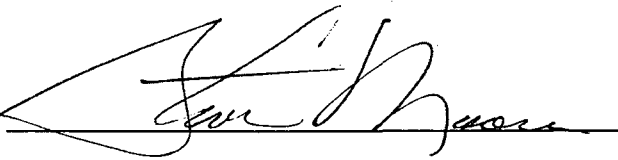
041-0119

STATE OF NEW MEXICO
DEVIATION REPORT

15.41896

742	1.50
924	1.40
1,429	1.10
1,699	0.90
2,077	1.00
2,389	0.40
2,673	1.00
2,960	1.30
3,331	0.40
3,530	1.40
3,713	1.20
4,065	1.80
4,381	1.20
4,666	2.60
4,915	2.50
5,200	2.10
5,327	2.20
5,453	3.20
5,480	2.61
5,678	2.70
5,773	1.80
5,899	2.77
6,057	2.40
6,215	2.50
6,686	2.03
6,901	2.93
7,068	1.15
7,446	0.17
7,814	1.00
7,845	1.60
7,877	5.20



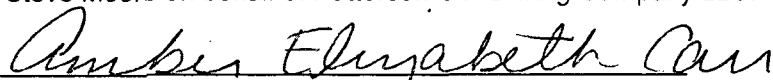
BY: 

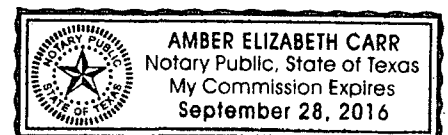
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Steve Moore on behalf of Patterson-UTI Drilling Company LLC.

2/11/14, by


Notary Public for Midland County, Texas
My Commission Expires:



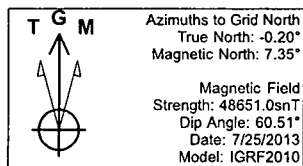


COMPANY: Mewbourne Oil Company
 WELL: Dorado 34 EH Fed Com #1H Section 34
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson 41



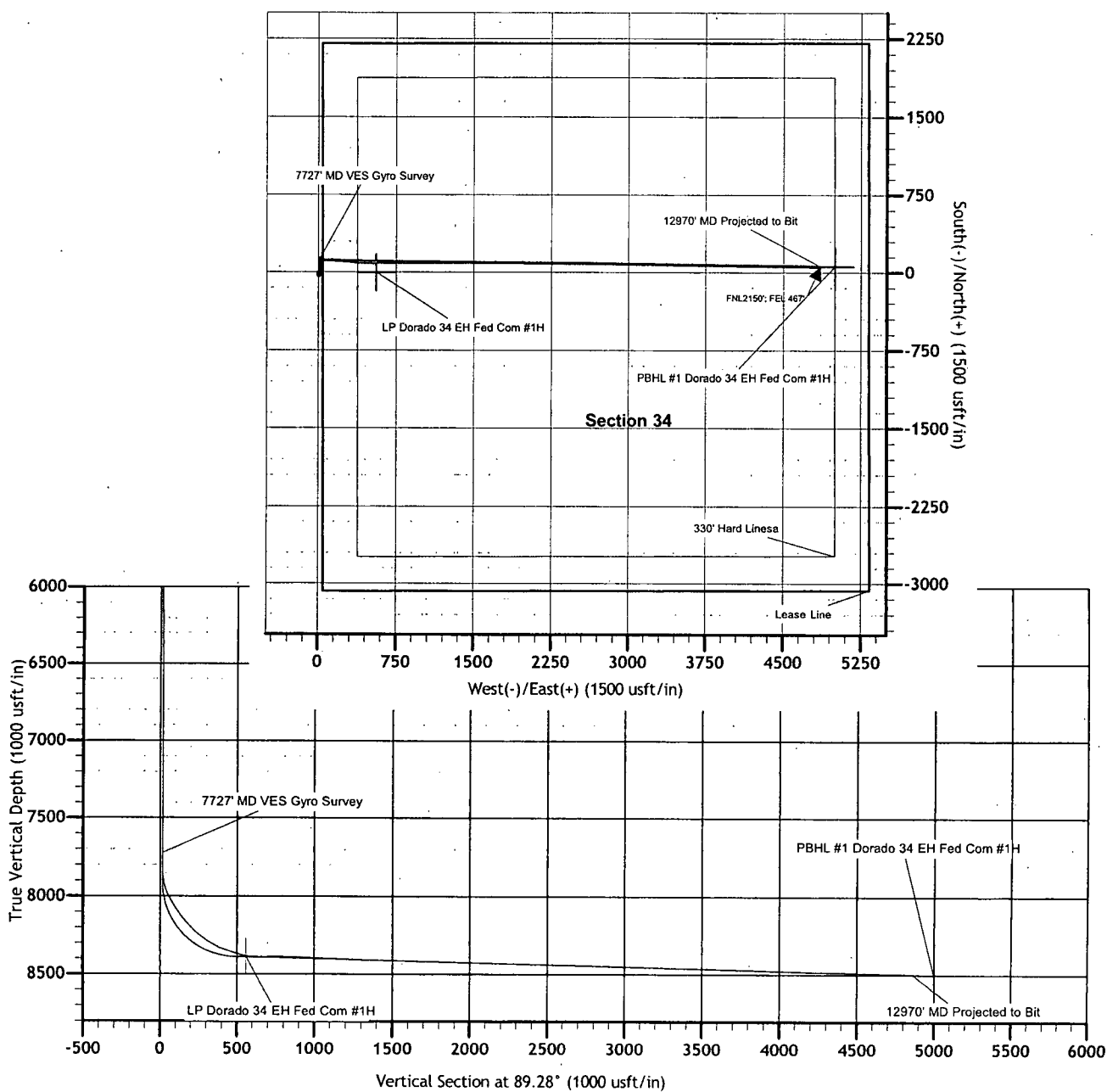
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.35°

OFFICE: 936.582.7296



GEODETIC ZONE: New Mexico East 3001						
GL 3434 + 20 @ 3454.0usft (Patterson 41)						
GROUND ELEVATION: 3434.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	620385.38	612367.27	32° 42' 18.018 N	103° 58' 4.910 W	

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	7727.0	0.73	188.16	7723.1	131.2	15.2	0.00	0.00	16.8	
2	7913.8	0.73	188.16	7909.9	128.9	14.8	0.00	0.00	16.5	
3	8652.9	88.59	90.69	8388.0	117.4	480.5	12.00	-97.49	481.9	
4	13171.7	88.59	90.69	8499.0	63.1	4997.6	0.00	0.00	4998.0	PBHL #1 Dorado 34 EH Fed Com #1H





Mewbourne Oil Company .

Eddy County, New Mexico

Dorado 34 EH Fed Com #1H

Dorado 34 EH Fed Com #1H. Section 34

OH

Design: OH

Standard Survey Report

23 January, 2014





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Dorado 34-EH Fed Com #1H - Section 34
Project:	Eddy County, New Mexico	TVD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Site:	Dorado 34-EH Fed Com #1H	MD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Well:	Dorado 34-EH Fed Com #1H - Section 34	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000:1 Single User.Db

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	Dorado 34-EH Fed Com #1H			
Site Position:		Northing:	620,385.38 usft	Latitude: 32° 42' 18.018 N
From:	Map	Easting:	612,367.27 usft	Longitude: 103° 58' 4.910 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.20 °

Well	Dorado 34-EH Fed Com #1H - Section 34			
Well Position	+N/-S	0.0 usft	Northing:	620,385.38 usft
	+E/-W	0.0 usft	Easting:	612,367.27 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft
			Ground Level:	3,434.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/25/2013	7.55	60.51	48,651

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	89.28

Survey Program	Date 1/23/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,727.0	VES Gyro Survey #1 (OH)	GyroFlex	
7,814.0	12,970.0	MWD Survey #2 (OH)	MWD	MWD - Standard

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	0.83	202.69	100.0	-0.7	-0.3	-0.3	0.83	0.83	0.00	
200.0	1.29	177.94	200.0	-2.5	-0.5	-0.5	0.64	0.46	-24.75	
300.0	1.67	176.83	299.9	-5.0	-0.4	-0.5	0.38	0.38	-1.11	
400.0	2.02	182.95	399.9	-8.3	-0.4	-0.5	0.40	0.35	6.12	
500.0	2.01	176.61	499.8	-11.8	-0.4	-0.5	0.22	-0.01	-6.34	
600.0	1.81	180.57	599.8	-15.1	-0.3	-0.5	0.24	-0.20	3.96	
700.0	1.69	192.03	699.7	-18.1	-0.6	-0.9	0.37	-0.12	11.46	
800.0	1.45	183.93	799.7	-20.8	-1.0	-1.3	0.33	-0.24	-8.10	
900.0	1.27	174.48	899.7	-23.2	-1.0	-1.3	0.29	-0.18	-9.45	



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Dorado 34 EH Fed Com #1H Section 34
Project:	Eddy County, New Mexico	TVD Reference:	GL 3434 + 20' @ 3454.0usft (Patterson 41)
Site:	Dorado 34 EH Fed Com #1H	MD Reference:	GL 3434 + 20' @ 3454.0usft (Patterson 41)
Well:	Dorado 34 EH Fed Com #1H Section 34	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
1,000.0	1.14	195.19	999.6	-25.3	-1.2	-1.5	0.45	-0.13	20.71
1,100.0	0.96	195.96	1,099.6	-27.0	-1.6	-2.0	0.18	-0.18	0.77
1,200.0	1.11	192.93	1,199.6	-28.8	-2.1	-2.5	0.16	0.15	-3.03
1,300.0	0.79	171.40	1,299.6	-30.4	-2.2	-2.6	0.47	-0.32	-21.53
1,400.0	0.73	137.90	1,399.6	-31.5	-1.7	-2.1	0.44	-0.06	-33.50
1,500.0	1.10	117.81	1,499.6	-32.5	-0.4	-0.8	0.48	0.37	-20.09
1,600.0	1.03	108.56	1,599.6	-33.2	1.3	0.9	0.19	-0.07	-9.25
1,700.0	1.01	106.55	1,699.5	-33.7	3.0	2.6	0.04	-0.02	-2.01
1,800.0	0.99	102.73	1,799.5	-34.2	4.7	4.3	0.07	-0.02	-3.82
1,900.0	0.93	91.31	1,899.5	-34.4	6.3	5.9	0.20	-0.06	-11.42
2,000.0	0.76	67.73	1,999.5	-34.2	7.8	7.3	0.38	-0.17	-23.58
2,100.0	0.87	62.35	2,099.5	-33.6	9.0	8.6	0.13	0.11	-5.38
2,200.0	0.75	42.24	2,199.5	-32.7	10.2	9.7	0.31	-0.12	-20.11
2,300.0	0.99	46.55	2,299.5	-31.6	11.2	10.8	0.25	0.24	4.31
2,400.0	0.75	39.78	2,399.5	-30.5	12.3	11.9	0.26	-0.24	-6.77
2,500.0	0.79	33.32	2,499.5	-29.5	13.1	12.7	0.10	0.04	-6.46
2,600.0	0.92	39.27	2,599.4	-28.3	14.0	13.6	0.16	0.13	5.95
2,700.0	0.83	48.94	2,699.4	-27.2	15.0	14.7	0.17	-0.09	9.67
2,800.0	1.20	27.70	2,799.4	-25.8	16.0	15.7	0.52	0.37	-21.24
2,900.0	0.98	23.25	2,899.4	-24.0	16.9	16.6	0.24	-0.22	-4.45
3,000.0	1.20	20.93	2,999.4	-22.3	17.6	17.3	0.22	0.22	-2.32
3,100.0	1.35	24.55	3,099.4	-20.2	18.4	18.2	0.17	0.15	3.62
3,200.0	1.39	26.17	3,199.3	-18.1	19.5	19.2	0.06	0.04	1.62
3,300.0	1.16	29.17	3,299.3	-16.1	20.5	20.3	0.24	-0.23	3.00
3,400.0	1.44	23.65	3,399.3	-14.1	21.5	21.3	0.31	0.28	-5.52
3,500.0	1.32	33.75	3,499.2	-12.0	22.6	22.5	0.27	-0.12	10.10
3,600.0	1.27	26.85	3,599.2	-10.0	23.8	23.7	0.16	-0.05	-6.90
3,700.0	1.40	20.33	3,699.2	-7.9	24.7	24.6	0.20	0.13	-6.52
3,800.0	1.28	19.04	3,799.2	-5.7	25.5	25.4	0.12	-0.12	-1.29
3,900.0	1.26	25.55	3,899.1	-3.6	26.3	26.3	0.15	-0.02	6.51
4,000.0	1.54	21.11	3,999.1	-1.4	27.3	27.3	0.30	0.28	-4.44
4,100.0	1.59	19.95	4,099.1	1.2	28.2	28.3	0.06	0.05	-1.16
4,200.0	1.74	2.87	4,199.0	4.0	28.8	28.8	0.52	0.15	-17.08
4,300.0	1.83	354.48	4,299.0	7.1	28.7	28.8	0.28	0.09	-8.39
4,400.0	1.97	355.30	4,398.9	10.4	28.4	28.6	0.14	0.14	0.82
4,500.0	2.21	350.01	4,498.9	14.0	27.9	28.1	0.31	0.24	-5.29
4,600.0	1.99	347.91	4,598.8	17.6	27.3	27.5	0.23	-0.22	-2.10
4,700.0	2.67	339.21	4,698.7	21.5	26.1	26.3	0.76	0.68	-8.70
4,800.0	2.82	329.75	4,798.6	25.8	24.0	24.3	0.48	0.15	-9.46
4,900.0	2.66	333.65	4,898.5	30.0	21.7	22.1	0.25	-0.16	3.90
5,000.0	2.74	335.55	4,998.4	34.2	19.7	20.1	0.12	0.08	1.90
5,100.0	2.83	348.90	5,098.3	38.8	18.2	18.7	0.65	0.09	13.35
5,200.0	2.71	356.01	5,198.1	43.6	17.6	18.1	0.36	-0.12	7.11



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Dorado 34 EH Fed Com #1H Section 34
Project:	Eddy County New Mexico	TVD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Site:	Dorado 34 EH Fed Com #1H	MD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Well:	Dorado 34 EH Fed Com #1H Section 34	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)	
5,300.0	2.83	354.39	5,298.0	48.4	17.2	17.8	0.14	0.12	-1.62	
5,400.0	2.86	348.02	5,397.9	53.3	16.4	17.1	0.32	0.03	-6.37	
5,500.0	2.79	354.79	5,497.8	58.2	15.7	16.4	0.34	-0.07	6.77	
5,600.0	2.75	354.98	5,597.7	63.0	15.3	16.1	0.04	-0.04	0.19	
5,700.0	2.60	353.67	5,697.5	67.7	14.8	15.7	0.16	-0.15	-1.31	
5,800.0	2.36	356.28	5,797.5	72.0	14.4	15.3	0.27	-0.24	2.61	
5,900.0	2.55	357.94	5,897.4	76.2	14.2	15.2	0.20	0.19	1.66	
6,000.0	2.34	4.28	5,997.3	80.5	14.3	15.3	0.34	-0.21	6.34	
6,100.0	2.28	5.90	6,097.2	84.5	14.6	15.7	0.09	-0.06	1.62	
6,200.0	2.38	6.02	6,197.1	88.6	15.1	16.2	0.10	0.10	0.12	
6,300.0	3.22	15.12	6,297.0	93.3	16.0	17.2	0.95	0.84	9.10	
6,400.0	3.49	11.42	6,396.8	99.0	17.3	18.6	0.35	0.27	-3.70	
6,500.0	3.04	9.15	6,496.7	104.6	18.4	19.7	0.47	-0.45	-2.27	
6,600.0	2.31	9.64	6,596.5	109.2	19.1	20.5	0.73	-0.73	0.49	
6,700.0	1.92	1.83	6,696.5	112.9	19.5	20.9	0.48	-0.39	-7.81	
6,800.0	2.26	358.40	6,796.4	116.5	19.5	21.0	0.36	0.34	-3.43	
6,900.0	1.89	345.97	6,896.3	120.1	19.1	20.6	0.58	-0.37	-12.43	
7,000.0	1.78	345.57	6,996.3	123.2	18.3	19.8	0.11	-0.11	-0.40	
7,100.0	2.07	352.85	7,096.2	126.5	17.7	19.3	0.38	0.29	7.28	
7,200.0	1.65	349.77	7,196.2	129.7	17.2	18.8	0.43	-0.42	-3.08	
7,300.0	0.98	345.17	7,296.2	132.0	16.7	18.4	0.68	-0.67	-4.60	
7,400.0	0.14	303.50	7,396.2	132.9	16.4	18.1	0.88	-0.84	-41.67	
7,500.0	0.27	240.80	7,496.2	132.8	16.1	17.7	0.24	0.13	-62.70	
7,600.0	0.38	213.68	7,596.2	132.4	15.7	17.4	0.19	0.11	-27.12	
7,700.0	0.74	202.92	7,696.1	131.6	15.3	16.9	0.37	0.36	-10.76	
7,727.0	0.73	188.16	7,723.1	131.2	15.2	16.8	0.70	-0.04	-54.67	
7727 MD VES Gyro Survey										
7,814.0	1.00	189.80	7,810.1	129.9	15.0	16.6	0.31	0.31	1.89	
7,845.0	1.60	145.20	7,841.1	129.3	15.2	16.8	3.65	1.94	-143.87	
7,877.0	5.20	116.00	7,873.1	128.3	16.7	18.3	12.13	11.25	-91.25	
7,909.0	10.30	107.40	7,904.8	126.8	20.8	22.3	16.30	15.94	-26.88	
7,940.0	15.80	104.40	7,935.0	124.9	27.5	29.1	17.87	17.74	-9.68	
7,972.0	21.50	103.00	7,965.3	122.5	37.4	39.0	17.87	17.81	-4.38	
8,003.0	26.60	101.40	7,993.6	119.9	49.8	51.3	16.58	16.45	-5.16	
8,035.0	30.50	95.80	8,021.7	117.6	64.9	66.4	14.77	12.19	-17.50	
8,067.0	33.00	90.30	8,048.9	116.8	81.7	83.1	11.94	7.81	-17.19	
8,099.0	34.40	88.70	8,075.5	116.9	99.4	100.9	5.18	4.38	-5.00	
8,130.0	35.30	87.90	8,100.9	117.5	117.1	118.6	3.26	2.90	-2.58	
8,162.0	36.80	89.10	8,126.8	117.9	136.0	137.4	5.18	4.69	3.75	
8,194.0	40.70	92.10	8,151.8	117.7	156.0	157.5	13.52	12.19	9.38	
8,227.0	43.30	96.10	8,176.3	116.1	178.0	179.4	11.30	7.88	12.12	
8,258.0	44.60	97.00	8,198.6	113.7	199.4	200.8	4.65	4.19	2.90	
8,290.0	47.40	97.00	8,220.8	110.9	222.2	223.6	8.75	8.75	0.00	



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Dorado 34 EH Fed Com #1H Section 34
Project:	Eddy County New Mexico	TVD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Site:	Dorado 34 EH Fed Com #1H	MD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Well:	Dorado 34 EH Fed Com #1H Section 34	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)	
8,321.0	51.10	94.90	8,241.1	108.4	245.6	246.9	12.99	11.94	-6.77	
8,353.0	53.40	93.80	8,260.7	106.5	270.8	272.1	7.68	7.19	-3.44	
8,384.0	55.60	92.80	8,278.7	105.1	296.0	297.3	7.57	7.10	-3.23	
8,416.0	58.40	92.60	8,296.1	103.8	322.8	324.1	8.77	8.75	-0.63	
8,448.0	61.80	94.00	8,312.0	102.2	350.5	351.7	11.28	10.63	4.38	
8,479.0	64.20	94.20	8,326.1	100.2	378.0	379.3	7.76	7.74	0.65	
8,510.0	67.10	93.70	8,338.9	98.3	406.2	407.4	9.47	9.35	-1.61	
8,542.0	70.20	93.00	8,350.5	96.5	436.0	437.1	9.90	9.69	-2.19	
8,573.0	73.10	92.60	8,360.3	95.1	465.3	466.5	9.43	9.35	-1.29	
8,605.0	74.70	90.30	8,369.2	94.3	496.1	497.2	8.53	5.00	-7.19	
8,637.0	77.20	88.40	8,376.9	94.7	527.1	528.3	9.71	7.81	-5.94	
8,667.0	80.10	87.34	8,382.8	95.8	556.5	557.6	10.28	9.68	-3.55	
LP Dorado 34 EH Fed Com #1H										
8,668.0	80.20	87.30	8,383.0	95.8	557.5	558.6	10.28	9.68	-3.51	
8,700.0	84.20	88.60	8,387.4	97.0	589.2	590.3	13.13	12.50	4.06	
8,757.0	90.70	90.50	8,389.9	97.4	646.1	647.2	11.88	11.40	3.33	
8,787.0	91.50	90.50	8,389.3	97.1	676.1	677.2	2.67	2.67	0.00	
8,850.0	90.50	90.30	8,388.2	96.7	739.1	740.2	1.62	-1.59	-0.32	
8,914.0	88.30	89.80	8,388.9	96.6	803.0	804.2	3.53	-3.44	-0.78	
8,977.0	88.30	89.30	8,390.8	97.1	866.0	867.2	0.79	0.00	-0.79	
9,040.0	88.10	90.00	8,392.7	97.5	929.0	930.1	1.16	-0.32	1.11	
9,103.0	87.80	90.30	8,395.0	97.4	991.9	993.1	0.67	-0.48	0.48	
9,167.0	88.50	90.30	8,397.1	97.0	1,055.9	1,057.0	1.09	1.09	0.00	
9,230.0	87.60	89.60	8,399.2	97.1	1,118.9	1,120.0	1.81	-1.43	-1.11	
9,293.0	87.30	89.30	8,402.0	97.7	1,181.8	1,182.9	0.67	-0.48	-0.48	
9,356.0	87.40	89.60	8,404.9	98.3	1,244.7	1,245.9	0.50	0.16	0.48	
9,419.0	87.80	89.40	8,407.6	98.8	1,307.7	1,308.8	0.71	0.63	-0.32	
9,483.0	88.40	90.50	8,409.7	98.9	1,371.6	1,372.8	1.96	0.94	1.72	
9,546.0	88.60	90.30	8,411.3	98.5	1,434.6	1,435.7	0.45	0.32	-0.32	
9,609.0	89.00	90.30	8,412.6	98.1	1,497.6	1,498.7	0.63	0.63	0.00	
9,672.0	89.30	90.50	8,413.6	97.7	1,560.6	1,561.7	0.57	0.48	0.32	
9,736.0	89.10	90.50	8,414.5	97.1	1,624.6	1,625.7	0.31	-0.31	0.00	
9,798.0	87.80	90.30	8,416.2	96.7	1,686.6	1,687.6	2.12	-2.10	-0.32	
9,862.0	88.00	90.50	8,418.5	96.3	1,750.5	1,751.6	0.44	0.31	0.31	
9,925.0	88.50	90.30	8,420.4	95.8	1,813.5	1,814.5	0.85	0.79	-0.32	
9,989.0	88.50	90.50	8,422.1	95.4	1,877.5	1,878.5	0.31	0.00	0.31	
10,052.0	88.90	90.00	8,423.5	95.1	1,940.4	1,941.5	1.02	0.63	-0.79	
10,115.0	88.40	90.30	8,425.0	94.9	2,003.4	2,004.5	0.93	-0.79	0.48	
10,210.0	88.10	90.10	8,427.9	94.6	2,098.4	2,099.4	0.38	-0.32	-0.21	
10,305.0	88.60	90.10	8,430.6	94.4	2,193.3	2,194.4	0.53	0.53	0.00	
10,398.0	89.00	89.80	8,432.6	94.5	2,286.3	2,287.3	0.54	0.43	-0.32	
10,493.0	88.50	90.80	8,434.7	94.0	2,381.3	2,382.3	1.18	-0.53	1.05	
10,588.0	88.70	90.80	8,437.0	92.7	2,476.3	2,477.2	0.21	0.21	0.00	
10,683.0	88.80	90.80	8,439.1	91.4	2,571.2	2,572.2	0.11	0.11	0.00	



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Dorado 34 EH Fed Com #1H Section 34
Project:	Eddy County New Mexico	TVD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Site:	Dorado 34 EH Fed Com #1H	MD Reference:	GL 3434 + 20 @ 3454.0usft (Patterson 41)
Well:	Dorado 34 EH Fed Com #1H Section 34	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
10,779.0	89.30	90.70	8,440.7	90.1	2,667.2	2,668.1	0.53	0.52	-0.10
10,875.0	88.20	90.80	8,442.7	88.8	2,763.2	2,764.1	1.15	-1.15	0.10
10,970.0	88.80	90.50	8,445.2	87.8	2,858.1	2,859.0	0.71	0.63	-0.32
11,066.0	88.60	90.10	8,447.4	87.3	2,954.1	2,955.0	0.47	-0.21	-0.42
11,162.0	87.80	91.00	8,450.4	86.3	3,050.1	3,050.9	1.25	-0.83	0.94
11,257.0	88.70	90.70	8,453.3	84.9	3,145.0	3,145.8	1.00	0.95	-0.32
11,353.0	88.90	90.50	8,455.3	83.9	3,241.0	3,241.8	0.29	0.21	-0.21
11,447.0	89.50	90.50	8,456.7	83.1	3,335.0	3,335.7	0.64	0.64	0.00
11,536.0	88.10	91.40	8,458.5	81.6	3,423.9	3,424.7	1.87	-1.57	1.01
11,631.0	89.20	91.00	8,460.8	79.6	3,518.9	3,519.6	1.23	1.16	-0.42
11,727.0	88.00	91.40	8,463.1	77.6	3,614.8	3,615.5	1.32	-1.25	0.42
11,821.0	88.80	91.20	8,465.7	75.5	3,708.8	3,709.4	0.88	0.85	-0.21
11,917.0	87.80	90.70	8,468.6	73.9	3,804.7	3,805.3	1.16	-1.04	-0.52
12,013.0	88.40	90.10	8,471.8	73.2	3,900.6	3,901.3	0.88	0.63	-0.63
12,109.0	87.60	90.70	8,475.1	72.6	3,996.6	3,997.2	1.04	-0.83	0.63
12,204.0	87.70	91.00	8,479.0	71.2	4,091.5	4,092.1	0.33	0.11	0.32
12,300.0	88.50	90.70	8,482.2	69.7	4,187.4	4,188.0	0.89	0.83	-0.31
12,395.0	89.20	90.70	8,484.1	68.6	4,282.4	4,282.9	0.74	0.74	0.00
12,490.0	89.60	90.50	8,485.1	67.6	4,377.4	4,377.9	0.47	0.42	-0.21
12,584.0	88.50	90.70	8,486.6	66.6	4,471.4	4,471.9	1.19	-1.17	0.21
12,679.0	89.00	90.70	8,488.7	65.4	4,566.3	4,566.8	0.53	0.53	0.00
12,773.0	88.90	90.80	8,490.4	64.2	4,660.3	4,660.8	0.15	-0.11	0.11
12,970.0	90.00	90.80	8,492.3	61.5	4,857.3	4,857.7	0.56	0.56	0.00
12970' MD Projected to Bit - PBHL #1 Dorado 34 EH Fed Com #1H									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
7,727.0	7,723.1	131.2	15.2	7727' MD VES Gyro Survey
12,970.0	8,492.3	61.5	4,857.3	12970' MD Projected to Bit

DISTRICT I
1625 N. French Dr., Hobbs, NM, 88240
Phone (505) 593-6161 Fax: (505) 593-0720

DISTRICT II
811 S. First St., Artesia, NM, 88210
Phone (505) 748-1223 Fax: (505) 748-0720

DISTRICT III
1000 Rio Grande Rd., Aztec, NM, 87410
Phone (505) 334-4178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM, 87505
Phone (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

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MAR 19 2014

WOOD ARTESIA

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-41896	Pool Code 37920	Pool Name Leo; Bone Spring South
Property Code 40303	Property Name DORADO 34 EH FED COM	Well Number 1H
GRID No. 14744	Operator Name MEWBOURNE OIL COMPANY	Elevation 3434

Surface Location

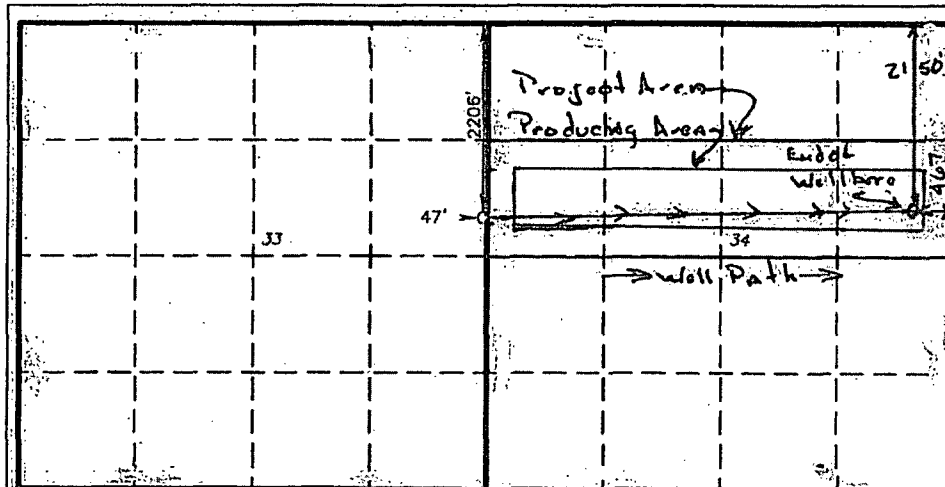
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	33	18 S	30 E		2206	NORTH	47	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	34	18 S	30 E		2150	NORTH	467	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



SURFACE LOCATION
Lat: N 32° 42' 18.01"
Long: W 103° 58' 04.90"
NADSPCE: N 262038538
E 612367.27
(NAD-27)

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *G. M. Jones* Date: **2/22/14**

Printed Name: **G. M. Jones**

Email Address:

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

Date Surveyed: **JANUARY 10, 2014**
Signature: *Gary L. Jones*
Professional Surveyor
W.S. 122010008

Certificate No. **Gary L. Jones 7977**

BASIN SURVEYS 27908