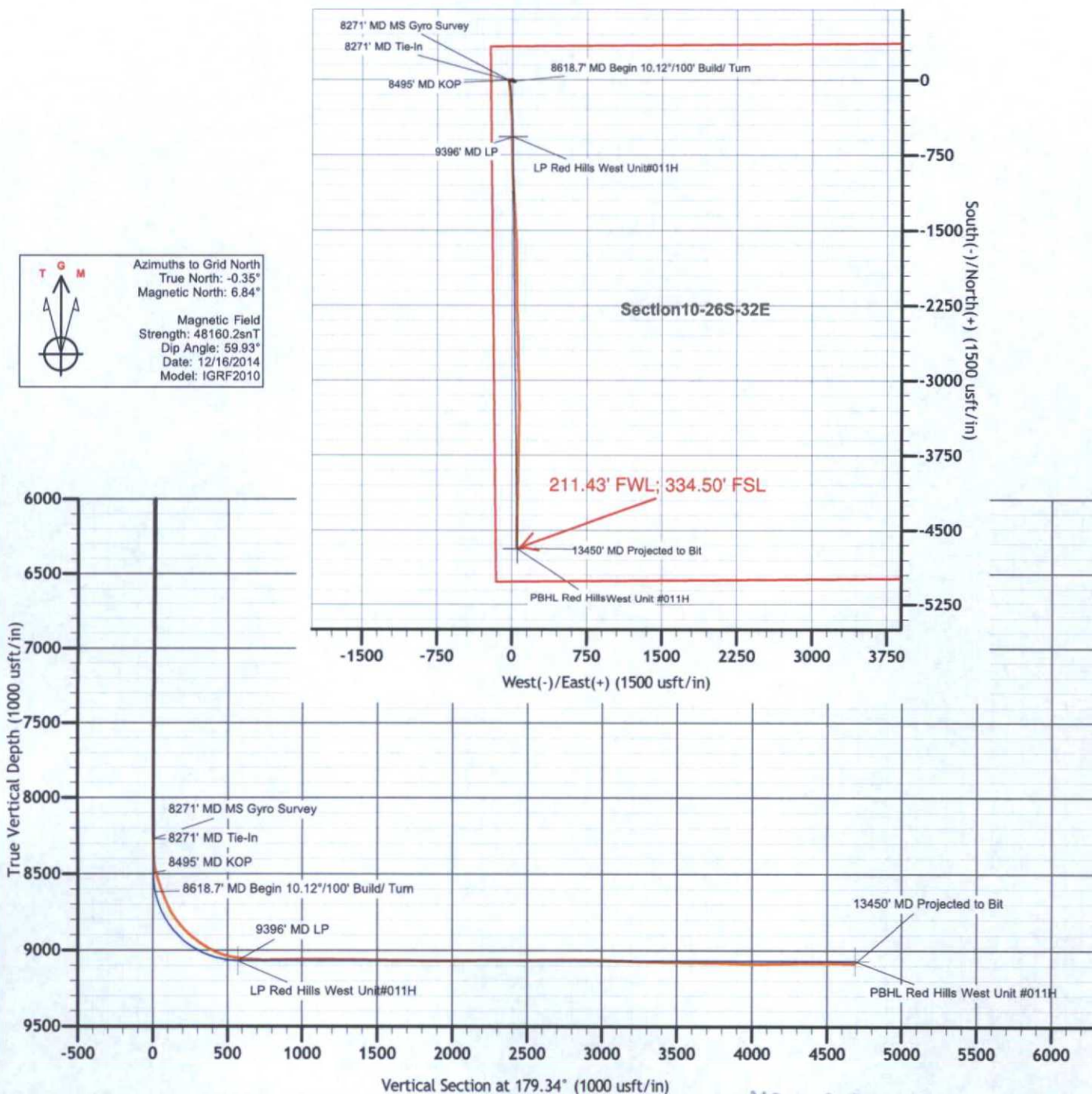
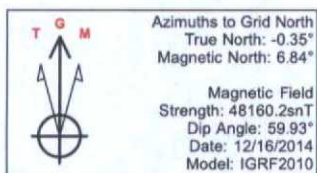


GEODETTIC ZONE: New Mexico East 3001						
3250 + 20 @ 3270.0usft (Patterson #36)						
GROUND ELEVATION: 3250.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	387618.90	705407.90	32° 3' 50.202 N	103° 40' 12.942 W	

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	8271.0	1.08	262.82	8269.7	-3.4	-35.7	0.00	0.00	2.9	
2	8495.0	1.08	262.82	8493.7	-3.9	-39.9	0.00	0.00	3.4	
3	8618.7	12.20	157.49	8616.5	-16.1	-36.0	10.12	-110.03	15.7	
4	9396.0	90.00	179.34	9070.0	-570.6	6.8	10.12	22.31	570.7	LP Red Hills Unit#011H
5	13512.9	90.00	179.34	9070.0	-4687.3	54.1	0.00	0.00	4687.6	PBHL Red Hill Unit #011H



NOV 30 2015

Mewbourne Oil Company .

Lea County N.M.

Section 10-26S-32E Red Hills West Unit #011H

Red Hills West Unit #011H

Original Hole

Design: Original Hole

Standard Survey Report

02 February, 2015

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West Unit #011H
Project:	Lea County N.M.	TVD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Site:	Section10-26S-32E Red Hills West Unit #011H	MD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Well:	Red Hills West Unit #011H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Lea County N.M.		
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	Section10-26S-32E Red Hills West Unit #011H		
Site Position:		Northing:	387,618.90 usft
From:	Map	Easting:	705,407.90 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 50.202 N
		Longitude:	103° 40' 12.942 W
		Grid Convergence:	0.35 °

Well	Red Hills West Unit #011H		
Well Position	+N/-S	0.0 usft	Latitude: 32° 3' 50.202 N
	+E/-W	0.0 usft	Longitude: 103° 40' 12.942 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Ground Level:	3,250.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/16/2014	7.19	59.93	48,160

Design	Original Hole			
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	179.34

Survey Program	Date 1/5/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	8,271.0	MS Gyro Survey (Original Hole)	NSG-CT_WL	Continuous north-seeking gyro on wireline
8,332.0	13,450.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

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	0.33	292.99	100.0	0.1	-0.3	-0.1	0.33	0.33	0.00
200.0	0.21	236.51	200.0	0.1	-0.7	-0.1	0.28	-0.12	-56.48
300.0	0.14	302.75	300.0	0.1	-0.9	-0.1	0.20	-0.07	66.24
400.0	0.21	155.21	400.0	0.0	-1.0	0.0	0.34	0.07	-147.54
500.0	1.15	126.68	500.0	-0.8	-0.1	0.8	0.97	0.94	-28.53
600.0	1.48	127.47	600.0	-2.2	1.7	2.2	0.33	0.33	0.79
700.0	2.01	134.82	699.9	-4.2	4.0	4.2	0.57	0.53	7.35
800.0	2.75	136.04	799.8	-7.1	6.9	7.2	0.74	0.74	1.22
900.0	3.23	137.21	899.7	-10.9	10.5	11.1	0.48	0.48	1.17

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West Unit #011H
Project:	Lea County N.M.	TVD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Site:	Section10-26S-32E Red Hills West Unit #011H	MD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Well:	Red Hills West Unit #011H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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	3.28	136.95	999.5	-15.1	14.4	15.3	0.05	0.05	-0.26
1,100.0	2.61	130.49	1,099.4	-18.7	18.1	18.9	0.75	-0.67	-6.46
1,200.0	0.91	94.91	1,199.4	-20.2	20.6	20.5	1.94	-1.70	-35.58
1,300.0	0.25	274.00	1,299.3	-20.3	21.2	20.5	1.16	-0.66	179.09
1,400.0	0.38	174.50	1,399.3	-20.6	21.0	20.8	0.49	0.13	-99.50
1,500.0	0.16	61.29	1,499.3	-20.8	21.1	21.1	0.47	-0.22	-113.21
1,600.0	0.10	338.45	1,599.3	-20.7	21.2	20.9	0.18	-0.06	-82.84
1,700.0	0.10	359.05	1,699.3	-20.5	21.2	20.8	0.04	0.00	20.60
1,800.0	0.14	200.43	1,799.3	-20.6	21.1	20.8	0.24	0.04	-158.62
1,900.0	0.17	133.07	1,899.3	-20.8	21.2	21.0	0.17	0.03	-67.36
2,000.0	0.09	95.44	1,999.3	-20.9	21.4	21.1	0.11	-0.08	-37.63
2,100.0	0.09	4.83	2,099.3	-20.8	21.5	21.1	0.13	0.00	-90.61
2,200.0	0.12	203.42	2,199.3	-20.8	21.4	21.1	0.21	0.03	-161.41
2,300.0	0.18	135.45	2,299.3	-21.0	21.5	21.3	0.17	0.06	-67.97
2,400.0	0.20	37.73	2,399.3	-21.0	21.7	21.3	0.29	0.02	-97.72
2,500.0	0.12	246.62	2,499.3	-20.9	21.7	21.2	0.31	-0.08	-151.11
2,600.0	0.19	155.41	2,599.3	-21.1	21.7	21.4	0.23	0.07	-91.21
2,700.0	0.14	80.07	2,699.3	-21.2	21.9	21.5	0.21	-0.05	-75.34
2,800.0	0.30	12.15	2,799.3	-21.0	22.1	21.2	0.28	0.16	-67.92
2,900.0	0.64	264.79	2,899.3	-20.8	21.6	21.0	0.78	0.34	-107.36
3,000.0	0.45	112.42	2,999.3	-21.0	21.4	21.2	1.06	-0.19	-152.37
3,100.0	0.79	57.15	3,099.3	-20.7	22.3	21.0	0.65	0.34	-55.27
3,200.0	0.70	14.29	3,199.3	-19.8	23.0	20.0	0.55	-0.09	-42.86
3,300.0	0.39	307.43	3,299.3	-19.0	22.9	19.2	0.65	-0.31	-66.86
3,400.0	0.19	72.03	3,399.3	-18.7	22.8	19.0	0.52	-0.20	124.60
3,500.0	0.14	294.41	3,499.3	-18.6	22.9	18.9	0.31	-0.05	-137.62
3,600.0	0.33	66.87	3,599.3	-18.4	23.0	18.7	0.44	0.19	132.46
3,700.0	0.14	302.62	3,699.3	-18.3	23.2	18.5	0.42	-0.19	-124.25
3,800.0	0.27	66.46	3,799.3	-18.1	23.3	18.4	0.37	0.13	123.84
3,900.0	0.24	14.65	3,899.3	-17.8	23.6	18.1	0.22	-0.03	-51.81
4,000.0	0.04	340.91	3,999.3	-17.6	23.6	17.8	0.21	-0.20	-33.74
4,100.0	0.38	151.46	4,099.3	-17.8	23.7	18.1	0.42	0.34	170.55
4,200.0	0.67	132.88	4,199.3	-18.5	24.3	18.8	0.33	0.29	-18.58
4,300.0	0.44	103.50	4,299.3	-19.0	25.1	19.3	0.36	-0.23	-29.38
4,400.0	0.32	274.25	4,399.3	-19.1	25.2	19.4	0.76	-0.12	170.75
4,500.0	0.51	281.07	4,499.3	-19.0	24.5	19.2	0.20	0.19	6.82
4,600.0	0.52	282.76	4,599.3	-18.8	23.6	19.1	0.02	0.01	1.69
4,700.0	0.56	288.61	4,699.3	-18.5	22.7	18.8	0.07	0.04	5.85
4,800.0	0.52	290.53	4,799.3	-18.2	21.8	18.5	0.04	-0.04	1.92
4,900.0	0.51	268.65	4,899.3	-18.1	21.0	18.3	0.20	-0.01	-21.88
5,000.0	0.60	269.19	4,999.3	-18.1	20.0	18.3	0.09	0.09	0.54
5,100.0	0.69	276.37	5,099.3	-18.0	18.9	18.2	0.12	0.09	7.18
5,200.0	0.69	262.36	5,199.3	-18.0	17.7	18.2	0.17	0.00	-14.01

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West Unit #011H
Project:	Lea County N.M.	TVD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Site:	Section10-26S-32E Red Hills West Unit #011H	MD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Well:	Red Hills West Unit #011H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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	0.75	271.29	5,299.3	-18.1	16.4	18.3	0.13	0.06	8.93
5,400.0	0.58	283.17	5,399.3	-18.0	15.3	18.1	0.22	-0.17	11.88
5,500.0	0.58	270.69	5,499.3	-17.8	14.3	18.0	0.13	0.00	-12.48
5,600.0	0.77	271.35	5,599.2	-17.8	13.1	18.0	0.19	0.19	0.66
5,700.0	0.93	278.97	5,699.2	-17.7	11.6	17.8	0.20	0.16	7.62
5,800.0	0.92	286.06	5,799.2	-17.3	10.1	17.4	0.11	-0.01	7.09
5,900.0	0.78	290.99	5,899.2	-16.9	8.7	17.0	0.16	-0.14	4.93
6,000.0	0.87	291.16	5,999.2	-16.4	7.3	16.4	0.09	0.09	0.17
6,100.0	0.90	291.06	6,099.2	-15.8	5.9	15.9	0.03	0.03	-0.10
6,200.0	0.87	286.76	6,199.2	-15.3	4.4	15.3	0.07	-0.03	-4.30
6,300.0	0.86	285.84	6,299.2	-14.9	3.0	14.9	0.02	-0.01	-0.92
6,400.0	0.93	277.11	6,399.2	-14.6	1.4	14.6	0.15	0.07	-8.73
6,500.0	1.21	289.67	6,499.1	-14.1	-0.4	14.1	0.36	0.28	12.56
6,600.0	1.20	299.61	6,599.1	-13.2	-2.3	13.2	0.21	-0.01	9.94
6,700.0	1.15	289.28	6,699.1	-12.4	-4.1	12.3	0.22	-0.05	-10.33
6,800.0	1.27	297.25	6,799.1	-11.5	-6.1	11.5	0.21	0.12	7.97
6,900.0	1.07	294.88	6,899.0	-10.6	-7.9	10.6	0.21	-0.20	-2.37
7,000.0	1.42	295.88	6,999.0	-9.7	-9.9	9.6	0.35	0.35	1.00
7,100.0	1.11	298.92	7,099.0	-8.7	-11.8	8.6	0.32	-0.31	3.04
7,200.0	1.12	299.68	7,199.0	-7.8	-13.5	7.6	0.02	0.01	0.76
7,300.0	1.14	290.87	7,299.0	-6.9	-15.3	6.7	0.17	0.02	-8.81
7,400.0	1.19	282.03	7,398.9	-6.3	-17.2	6.1	0.19	0.05	-8.84
7,500.0	1.43	281.18	7,498.9	-5.9	-19.5	5.7	0.24	0.24	-0.85
7,600.0	1.39	284.92	7,598.9	-5.3	-21.9	5.1	0.10	-0.04	3.74
7,700.0	1.20	284.57	7,698.9	-4.8	-24.1	4.5	0.19	-0.19	-0.35
7,800.0	1.19	276.46	7,798.8	-4.4	-26.1	4.1	0.17	-0.01	-8.11
7,900.0	1.28	274.77	7,898.8	-4.2	-28.2	3.8	0.10	0.09	-1.69
8,000.0	1.28	281.65	7,998.8	-3.8	-30.5	3.5	0.15	0.00	6.88
8,100.0	1.06	281.33	8,098.8	-3.4	-32.5	3.1	0.22	-0.22	-0.32
8,200.0	1.12	269.58	8,198.7	-3.3	-34.3	2.9	0.23	0.06	-11.75
8,271.0	1.08	262.82	8,269.7	-3.4	-35.7	2.9	0.19	-0.06	-9.52
8271' MD MS Gyro Survey									
8,332.0	0.90	269.10	8,330.7	-3.4	-36.7	3.0	0.34	-0.30	10.30
8,364.0	1.00	245.10	8,362.7	-3.6	-37.2	3.1	1.27	0.31	-75.00
8,395.0	3.30	175.70	8,393.7	-4.6	-37.4	4.1	9.98	7.42	-223.87
8,427.0	6.90	167.20	8,425.6	-7.4	-36.9	6.9	11.46	11.25	-26.56
8,459.0	11.60	165.70	8,457.1	-12.3	-35.7	11.9	14.71	14.69	-4.69
8,491.0	14.60	167.60	8,488.3	-19.4	-34.0	19.0	9.47	9.38	5.94
8,522.0	16.40	168.60	8,518.2	-27.5	-32.3	27.1	5.87	5.81	3.23
8,554.0	18.70	169.70	8,548.7	-37.0	-30.5	36.6	7.26	7.19	3.44
8,585.0	20.20	171.10	8,577.9	-47.2	-28.8	46.8	5.07	4.84	4.52
8,617.0	20.30	170.60	8,607.9	-58.1	-27.1	57.8	0.62	0.31	-1.56
8,649.0	21.60	172.70	8,637.8	-69.4	-25.4	69.1	4.69	4.06	6.56

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West Unit #011H
Project:	Lea County N.M.	TVD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Site:	Section10-26S-32E Red Hills West Unit #011H	MD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Well:	Red Hills West Unit #011H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
8,681.0	22.80	177.80	8,667.5	-81.5	-24.4	81.2	7.09	3.75	15.94
8,712.0	24.40	180.80	8,695.9	-93.9	-24.3	93.6	6.45	5.16	9.68
8,744.0	26.20	179.80	8,724.8	-107.5	-24.3	107.3	5.78	5.63	-3.13
8,776.0	29.30	177.30	8,753.1	-122.4	-23.9	122.1	10.35	9.69	-7.81
8,808.0	33.70	175.90	8,780.4	-139.1	-22.9	138.8	13.94	13.75	-4.38
8,839.0	38.10	175.80	8,805.5	-157.2	-21.6	157.0	14.19	14.19	-0.32
8,871.0	41.00	175.50	8,830.2	-177.6	-20.1	177.3	9.08	9.06	-0.94
8,903.0	42.70	176.10	8,854.0	-198.8	-18.5	198.6	5.46	5.31	1.88
8,935.0	45.10	176.70	8,877.1	-221.0	-17.1	220.8	7.61	7.50	1.88
8,966.0	47.00	177.20	8,898.6	-243.3	-15.9	243.1	6.24	6.13	1.61
8,998.0	52.90	176.20	8,919.2	-267.7	-14.5	267.5	18.59	18.44	-3.13
9,030.0	52.90	176.20	8,938.5	-293.2	-12.8	293.0	0.00	0.00	0.00
9,062.0	56.10	175.90	8,957.0	-319.2	-11.0	319.0	10.03	10.00	-0.94
9,098.0	57.90	176.30	8,976.6	-349.3	-9.0	349.2	5.09	5.00	1.11
9,125.0	61.30	176.50	8,990.3	-372.5	-7.5	372.4	12.61	12.59	0.74
9,152.0	64.30	176.80	9,002.6	-396.5	-6.1	396.4	11.15	11.11	1.11
9,189.0	66.30	178.10	9,018.1	-430.1	-4.6	430.0	6.28	5.41	3.51
9,221.0	70.00	179.00	9,030.0	-459.8	-3.9	459.7	11.85	11.56	2.81
9,253.0	75.30	180.20	9,039.6	-490.3	-3.7	490.2	16.94	16.56	3.75
9,284.0	78.60	180.70	9,046.6	-520.5	-3.9	520.4	10.76	10.65	1.61
9,316.0	80.70	180.80	9,052.3	-552.0	-4.3	551.9	6.57	6.56	0.31
<u>9,347.0</u>	82.80	180.10	9,056.7	<u>-582.6</u>	<u>-4.6</u>	582.6	7.13	6.77	-2.26
9,381.0	84.30	178.60	9,060.6	-616.4	-4.2	616.3	6.22	4.41	-4.41
9,413.0	85.80	177.60	9,063.3	-648.3	-3.1	648.2	5.63	4.69	-3.13
9,444.0	87.20	178.20	9,065.2	-679.2	-2.0	679.1	4.91	4.52	1.94
9,476.0	88.60	178.30	9,066.4	-711.2	-1.0	711.1	4.39	4.38	0.31
9,507.0	89.10	178.10	9,067.0	-742.1	0.0	742.1	1.74	1.61	-0.65
9,539.0	89.80	178.60	9,067.3	-774.1	0.9	774.1	2.69	2.19	1.56
9,603.0	91.50	179.30	9,066.6	-838.1	2.1	838.1	2.87	2.66	1.09
9,666.0	91.30	178.20	9,065.1	-901.1	3.4	901.1	1.77	-0.32	-1.75
9,730.0	91.10	177.80	9,063.7	-965.0	5.7	965.0	0.70	-0.31	-0.63
9,793.0	90.50	176.60	9,062.8	-1,027.9	8.7	1,028.0	2.13	-0.95	-1.90
9,857.0	89.90	176.90	9,062.6	-1,091.8	12.4	1,091.9	1.05	-0.94	0.47
9,920.0	89.10	176.60	9,063.2	-1,154.7	15.9	1,154.8	1.36	-1.27	-0.48
9,984.0	90.00	176.70	9,063.7	-1,218.6	19.7	1,218.8	1.41	1.41	0.16
10,047.0	89.00	176.60	9,064.2	-1,281.5	23.4	1,281.7	1.60	-1.59	-0.16
10,111.0	88.80	176.80	9,065.4	-1,345.4	27.0	1,345.6	0.44	-0.31	0.31
10,174.0	88.90	177.30	9,066.7	-1,408.3	30.3	1,408.6	0.81	0.16	0.79
10,238.0	89.30	175.90	9,067.7	-1,472.2	34.1	1,472.5	2.27	0.63	-2.19
10,302.0	88.50	175.80	9,068.9	-1,536.0	38.7	1,536.3	1.26	-1.25	-0.16
10,365.0	89.70	177.10	9,069.9	-1,598.9	42.6	1,599.3	2.81	1.90	2.06
10,429.0	89.00	180.20	9,070.7	-1,662.8	44.1	1,663.2	4.97	-1.09	4.84
10,492.0	89.00	180.20	9,071.8	-1,725.8	43.9	1,726.2	0.00	0.00	0.00
10,555.0	89.80	179.90	9,072.4	-1,788.8	43.8	1,789.2	1.36	1.27	-0.48

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West Unit #011H
Project:	Lea County N.M.	TVD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Site:	Section10-26S-32E Red Hills West Unit #011H	MD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Well:	Red Hills West Unit #011H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
10,619.0	90.20	179.20	9,072.4	-1,852.8	44.3	1,853.2	1.26	0.63	-1.09
10,682.0	91.00	178.80	9,071.8	-1,915.8	45.4	1,916.2	1.42	1.27	-0.63
10,746.0	90.60	178.80	9,070.9	-1,979.8	46.8	1,980.2	0.63	-0.63	0.00
10,809.0	91.10	179.10	9,069.9	-2,042.8	47.9	2,043.2	0.93	0.79	0.48
10,873.0	90.00	180.10	9,069.3	-2,106.8	48.4	2,107.2	2.32	-1.72	1.56
10,936.0	90.60	179.80	9,069.0	-2,169.8	48.4	2,170.2	1.06	0.95	-0.48
10,999.0	91.00	178.70	9,068.1	-2,232.7	49.3	2,233.2	1.86	0.63	-1.75
11,063.0	89.90	178.20	9,067.6	-2,296.7	51.0	2,297.2	1.89	-1.72	-0.78
11,125.0	89.90	178.40	9,067.7	-2,358.7	52.8	2,359.1	0.32	0.00	0.32
11,188.0	90.40	177.90	9,067.5	-2,421.7	54.9	2,422.1	1.12	0.79	-0.79
11,252.0	89.80	178.10	9,067.4	-2,485.6	57.1	2,486.1	0.99	-0.94	0.31
11,315.0	90.30	178.30	9,067.4	-2,548.6	59.1	2,549.1	0.85	0.79	0.32
11,379.0	89.60	179.10	9,067.4	-2,612.6	60.5	2,613.1	1.66	-1.09	1.25
11,442.0	90.30	179.00	9,067.5	-2,675.6	61.6	2,676.1	1.12	1.11	-0.16
11,506.0	91.30	179.00	9,066.6	-2,739.5	62.7	2,740.1	1.56	1.56	0.00
11,569.0	90.60	178.80	9,065.6	-2,802.5	63.9	2,803.1	1.16	-1.11	-0.32
11,633.0	89.70	178.30	9,065.4	-2,866.5	65.5	2,867.1	1.61	-1.41	-0.78
11,694.0	88.30	178.40	9,066.5	-2,927.5	67.3	2,928.0	2.30	-2.30	0.16
11,758.0	88.40	177.90	9,068.3	-2,991.4	69.3	2,992.0	0.80	0.16	-0.78
11,821.0	88.50	179.30	9,070.0	-3,054.4	70.9	3,055.0	2.23	0.16	2.22
11,884.0	88.70	178.80	9,071.5	-3,117.3	71.9	3,118.0	0.85	0.32	-0.79
11,947.0	88.10	179.80	9,073.3	-3,180.3	72.7	3,180.9	1.85	-0.95	1.59
12,011.0	87.60	179.50	9,075.7	-3,244.3	73.1	3,244.9	0.91	-0.78	-0.47
12,074.0	89.10	180.70	9,077.5	-3,307.2	73.0	3,307.9	3.05	2.38	1.90
12,138.0	88.50	180.20	9,078.9	-3,371.2	72.5	3,371.8	1.22	-0.94	-0.78
12,202.0	89.20	181.00	9,080.1	-3,435.2	71.8	3,435.8	1.66	1.09	1.25
12,265.0	89.90	181.50	9,080.6	-3,498.2	70.4	3,498.8	1.37	1.11	0.79
12,328.0	88.70	181.40	9,081.4	-3,561.2	68.8	3,561.7	1.91	-1.90	-0.16
12,392.0	89.10	181.40	9,082.6	-3,625.1	67.3	3,625.7	0.63	0.63	0.00
12,455.0	89.60	181.30	9,083.3	-3,688.1	65.8	3,688.6	0.81	0.79	-0.16
12,519.0	89.80	180.70	9,083.7	-3,752.1	64.7	3,752.6	0.99	0.31	-0.94
12,582.0	88.70	181.00	9,084.5	-3,815.1	63.7	3,815.6	1.81	-1.75	0.48
12,646.0	88.10	180.60	9,086.3	-3,879.0	62.8	3,879.5	1.13	-0.94	-0.63
12,709.0	89.20	180.50	9,087.8	-3,942.0	62.2	3,942.5	1.75	1.75	-0.16
12,772.0	89.30	180.70	9,088.6	-4,005.0	61.6	4,005.5	0.35	0.16	0.32
12,836.0	89.50	180.70	9,089.3	-4,069.0	60.8	4,069.4	0.31	0.31	0.00
12,900.0	90.80	181.50	9,089.1	-4,133.0	59.6	4,133.4	2.39	2.03	1.25
12,963.0	92.40	181.40	9,087.3	-4,195.9	58.0	4,196.3	2.54	2.54	-0.16
13,027.0	90.60	181.40	9,085.7	-4,259.9	56.4	4,260.3	2.81	-2.81	0.00
13,090.0	90.70	181.10	9,085.0	-4,322.9	55.0	4,323.2	0.50	0.16	-0.48
13,154.0	90.00	180.80	9,084.6	-4,386.9	54.0	4,387.2	1.19	-1.09	-0.47
13,217.0	89.50	180.90	9,084.8	-4,449.9	53.0	4,450.2	0.81	-0.79	0.16
13,281.0	90.00	180.40	9,085.1	-4,513.9	52.3	4,514.2	1.10	0.78	-0.78

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West Unit #011H
Project:	Lea County N.M.	TVD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Site:	Section10-26S-32E Red Hills West Unit #011H	MD Reference:	3250 + 20 @ 3270.0usft (Patterson #36)
Well:	Red Hills West Unit #011H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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)
13,344.0	89.50	179.80	9,085.4	-4,576.9	52.2	4,577.2	1.24	-0.79	-0.95
13,405.0	88.90	181.20	9,086.2	-4,637.8	51.7	4,638.1	2.50	-0.98	2.30
13,450.0	88.90	181.20	9,087.1	-4,682.8	50.7	4,683.1	0.00	0.00	0.00
13450' MD Projected to Bit									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,271.0	8,269.7	-3.4	-35.7	8271' MD MS Gyro Survey
13,450.0	9,087.1	-4,682.8	50.7	13450' MD Projected to Bit