

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
RED HILLS WEST UNIT 009H
LEA

HOBBS OCD

036-0080

MAR 14 2016

STATE OF NEW MEXICO
DEVIATION REPORT

390	0.68
774	1.50
1,132	1.50
4,608	3.40
5,371	1.10
5,720	0.90
6,121	0.70
6,512	0.90
6,861	1.00
7,210	1.50
7,623	1.60

STATE OF TEXAS

BY: Briana Welch

COUNTY OF MIDLAND

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

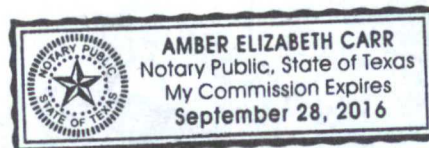
Amber Elizabeth Carr

Notary Public for Midland County, Texas

My Commission Expires:

9/18/15

, by





COMPANY: Mewbourne Oil Company .
WELL: Red Hills West #009H
COUNTY: Lea County N.M.
DATUM: NAD 1927 (NADCON CONUS)
RIG: Patterson # 36

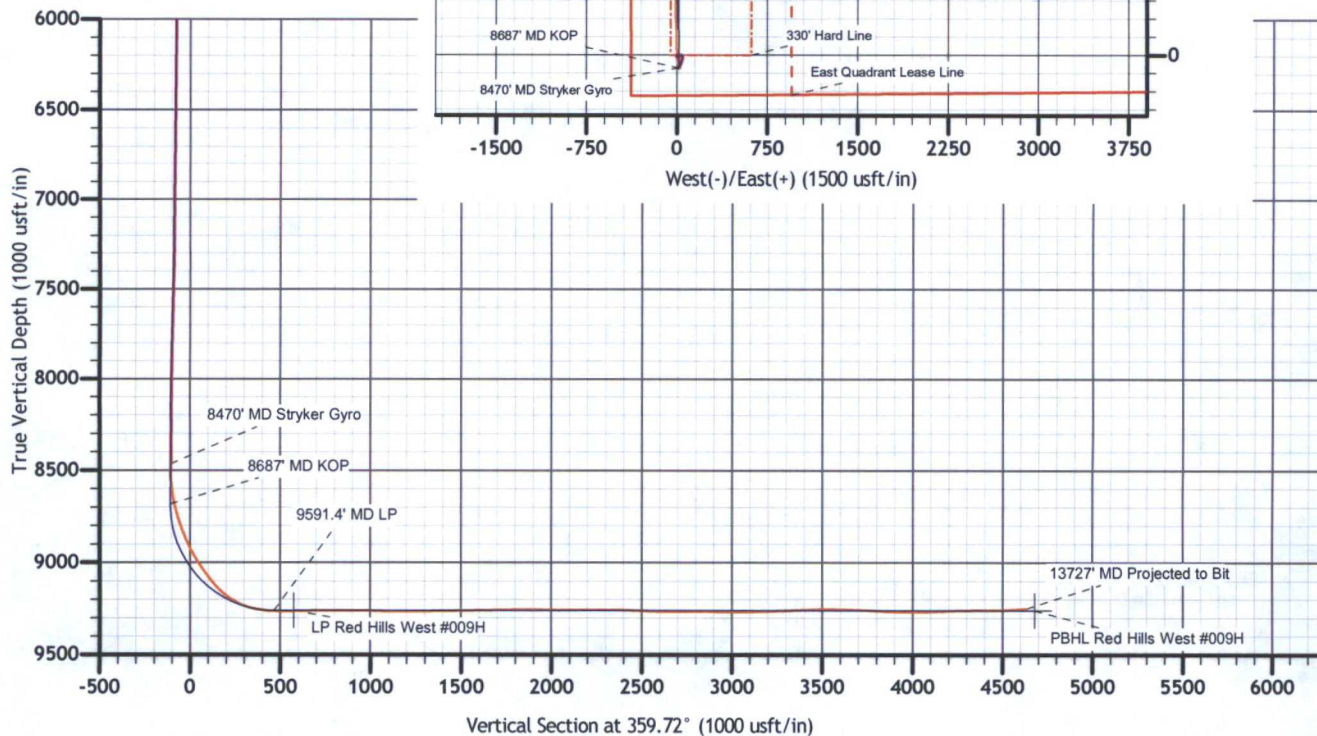
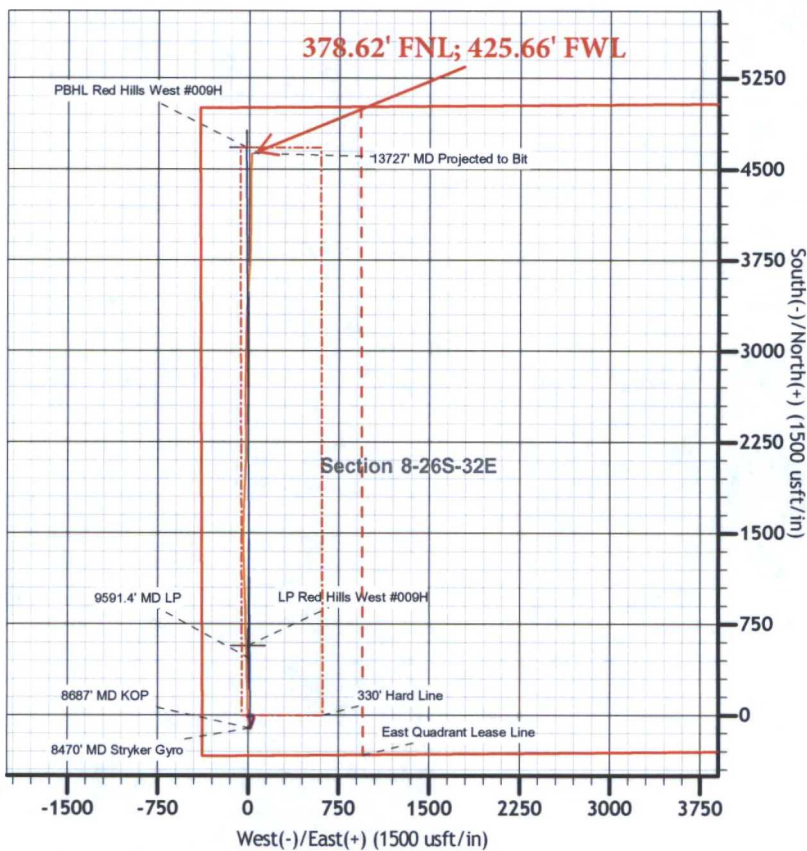
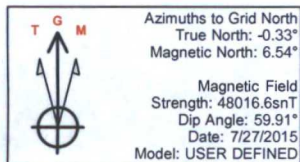
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.54°



GEODEIC ZONE: New Mexico East 3001 3199 + 25 @ 3224.0usft (Patterson # 36) GROUND ELEVATION: 3199.0							
+N/-S 0.0	+E/-W 0.0	Northing 382841.65	Easting 694940.00	Latitude 32° 3' 3.547 N	Longitude 103° 42' 14.908 W	Slot	

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	8470.0	0.44	182.39	8465.6	-107.2	18.6	0.00	0.00	-107.2	
2	8687.0	0.44	182.39	8682.6	-108.8	18.6	0.00	0.00	-108.9	
3	9591.4	90.00	359.51	9260.0	464.1	13.4	10.00	177.12	464.0	
4	13807.0	90.00	359.51	9260.0	4679.6	-22.5	0.00	0.00	4679.6	PBHL Red Hills West #009H

SHL: Section8-26S-32E
380' FWL : 330' FSL
PBHL: Section *-26S-32E
380' FWL ; 330' FNL



HOBBS OCD
MAR 14 2016
RECEIVED

Mewbourne Oil Company .

Lea County N.M.

Section 8-26S-32E Red Hills West #009H

Red Hills West #009H

Original Hole

Design: Original Hole

Standard Survey Report

16 September, 2015

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West #009H
Project:	Lea County N.M.	TVD Reference:	3199 + 25 @ 3224.0usft (Patterson # 36)
Site:	Section 8-26S-32E Red Hills West #009H	MD Reference:	3199 + 25 @ 3224.0usft (Patterson # 36)
Well:	Red Hills West #009H	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	Section 8-26S-32E Red Hills West #009H		
Site Position:		Northing:	382,841.64 usft
From:	Map	Easting:	694,939.99 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 3.547 N
		Longitude:	103° 42' 14.908 W
		Grid Convergence:	0.33 °

Well	Red Hills West #009H		
Well Position	+N/-S	0.0 usft	Northing: 382,841.64 usft
	+E/-W	0.0 usft	Easting: 694,939.99 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 3' 3.547 N
		Longitude:	103° 42' 14.908 W
		Ground Level:	3,199.0 usft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	7/27/2015	6.87	59.91	48,017

Design	Original Hole		
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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	359.72

Survey Program		Date	9/16/2015
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	8,470.0	Stryker Gyro Survey #1 (Original Hole)	SRG-GYRO-MS
8,505.0	13,727.0	MWD Survey (Original Hole)	MWD
			Description
			surface readout gyro multishot
			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	0.49	225.41	100.0	-0.3	-0.3	-0.3	0.49	0.49	0.00
200.0	0.47	245.73	200.0	-0.8	-1.0	-0.8	0.17	-0.02	20.32
300.0	0.37	244.05	300.0	-1.1	-1.6	-1.1	0.10	-0.10	-1.68
400.0	0.40	189.58	400.0	-1.6	-2.0	-1.6	0.35	0.03	-54.47
500.0	0.57	207.33	500.0	-2.4	-2.3	-2.3	0.22	0.17	17.75
600.0	0.48	205.17	600.0	-3.2	-2.7	-3.2	0.09	-0.09	-2.16
700.0	0.56	169.32	700.0	-4.0	-2.8	-4.0	0.33	0.08	-35.85
800.0	1.28	158.80	800.0	-5.6	-2.3	-5.5	0.74	0.72	-10.52
900.0	1.86	147.84	899.9	-8.0	-1.0	-8.0	0.65	0.58	-10.96

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Red Hills West #009H
Project:	Lea County N.M.	TVD Reference:	3199 + 25 @ 3224.0usft (Patterson # 36)
Site:	Section 8-26S-32E Red Hills West #009H	MD Reference:	3199 + 25 @ 3224.0usft (Patterson # 36)
Well:	Red Hills West #009H	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	1.98	155.22	999.9	-10.9	0.6	-10.9	0.27	0.12	7.38
1,100.0	1.61	170.31	1,099.8	-13.9	1.5	-13.9	0.60	-0.37	15.09
1,200.0	1.58	180.51	1,199.8	-16.6	1.8	-16.6	0.29	-0.03	10.20
1,300.0	0.98	115.81	1,299.8	-18.4	2.5	-18.4	1.46	-0.60	-64.70
1,400.0	1.06	99.83	1,399.7	-18.9	4.2	-18.9	0.29	0.08	-15.98
1,500.0	1.00	74.82	1,499.7	-18.8	6.0	-18.9	0.45	-0.06	-25.01
1,600.0	1.14	63.96	1,599.7	-18.2	7.7	-18.2	0.25	0.14	-10.86
1,700.0	1.14	64.18	1,699.7	-17.3	9.5	-17.3	0.00	0.00	0.22
1,800.0	1.28	55.62	1,799.7	-16.2	11.3	-16.3	0.23	0.14	-8.56
1,900.0	1.51	53.60	1,899.6	-14.8	13.3	-14.9	0.24	0.23	-2.02
2,000.0	1.62	49.24	1,999.6	-13.1	15.4	-13.2	0.16	0.11	-4.36
2,100.0	1.62	342.06	2,099.6	-10.9	16.0	-10.9	1.79	0.00	-67.18
2,200.0	3.65	300.44	2,199.5	-7.9	12.9	-8.0	2.67	2.03	-41.62
2,300.0	4.13	310.45	2,299.2	-3.9	7.4	-4.0	0.83	0.48	10.01
2,400.0	1.77	41.95	2,399.1	-0.5	5.7	-0.5	4.54	-2.36	91.50
2,500.0	4.26	98.88	2,499.0	0.1	10.4	0.1	3.61	2.49	56.93
2,600.0	4.46	127.76	2,598.7	-2.8	17.1	-2.9	2.18	0.20	28.88
2,700.0	2.42	196.95	2,698.6	-7.2	19.6	-7.3	4.25	-2.04	69.19
2,800.0	2.07	261.12	2,798.5	-9.5	17.2	-9.6	2.40	-0.35	64.17
2,900.0	2.52	341.58	2,898.5	-7.7	14.7	-7.8	2.98	0.45	80.46
3,000.0	1.68	36.06	2,998.4	-4.5	14.9	-4.5	2.06	-0.84	54.48
3,100.0	1.99	84.93	3,098.4	-3.1	17.5	-3.2	1.54	0.31	48.87
3,200.0	1.88	100.99	3,198.3	-3.3	20.8	-3.4	0.55	-0.11	16.06
3,300.0	1.85	103.73	3,298.2	-4.0	24.0	-4.1	0.09	-0.03	2.74
3,400.0	2.02	97.63	3,398.2	-4.6	27.3	-4.7	0.27	0.17	-6.10
3,500.0	1.16	68.87	3,498.2	-4.5	30.0	-4.6	1.15	-0.86	-28.76
3,600.0	1.29	52.81	3,598.1	-3.4	31.8	-3.6	0.37	0.13	-16.06
3,700.0	1.38	55.15	3,698.1	-2.0	33.7	-2.2	0.11	0.09	2.34
3,800.0	1.89	69.25	3,798.1	-0.8	36.2	-1.0	0.65	0.51	14.10
3,900.0	1.63	102.88	3,898.0	-0.5	39.2	-0.7	1.05	-0.26	33.63
4,000.0	1.63	122.02	3,998.0	-1.6	41.8	-1.8	0.54	0.00	19.14
4,100.0	2.42	157.74	4,097.9	-4.3	43.8	-4.5	1.45	0.79	35.72
4,200.0	4.38	166.12	4,197.7	-10.0	45.5	-10.2	2.02	1.96	8.38
4,300.0	4.17	175.14	4,297.5	-17.3	46.7	-17.5	0.70	-0.21	9.02
4,400.0	4.15	185.22	4,397.2	-24.5	46.7	-24.7	0.73	-0.02	10.08
4,500.0	3.87	211.19	4,497.0	-31.0	44.6	-31.2	1.82	-0.28	25.97
4,600.0	3.62	195.31	4,596.8	-36.9	42.0	-37.1	1.06	-0.25	-15.88
4,700.0	3.24	191.80	4,696.6	-42.7	40.6	-42.9	0.43	-0.38	-3.51
4,800.0	2.80	191.93	4,796.4	-47.9	39.5	-48.1	0.44	-0.44	0.13
4,900.0	2.62	193.61	4,896.3	-52.5	38.5	-52.7	0.20	-0.18	1.68
5,000.0	2.36	198.31	4,996.2	-56.7	37.3	-56.9	0.33	-0.26	4.70
5,100.0	1.97	197.04	5,096.2	-60.3	36.2	-60.5	0.39	-0.39	-1.27
5,200.0	1.75	199.45	5,196.1	-63.4	35.1	-63.5	0.23	-0.22	2.41

Stryker Directional Survey Report

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Well:	Red Hills West #009H	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	1.34	198.27	5,296.1	-65.9	34.3	-66.1	0.41	-0.41	-1.18
5,400.0	1.31	202.05	5,396.0	-68.1	33.5	-68.2	0.09	-0.03	3.78
5,500.0	0.93	208.22	5,496.0	-69.9	32.7	-70.0	0.40	-0.38	6.17
5,600.0	0.92	195.70	5,596.0	-71.3	32.1	-71.5	0.20	-0.01	-12.52
5,700.0	0.86	211.46	5,696.0	-72.8	31.4	-72.9	0.25	-0.06	15.76
5,800.0	0.89	208.80	5,796.0	-74.1	30.7	-74.2	0.05	0.03	-2.66
5,900.0	0.68	211.16	5,896.0	-75.3	30.0	-75.4	0.21	-0.21	2.36
6,000.0	0.88	216.49	5,996.0	-76.4	29.2	-76.5	0.21	0.20	5.33
6,100.0	0.75	226.06	6,096.0	-77.5	28.3	-77.6	0.19	-0.13	9.57
6,200.0	0.77	218.40	6,195.9	-78.4	27.4	-78.6	0.10	0.02	-7.66
6,300.0	0.81	229.63	6,295.9	-79.4	26.5	-79.6	0.16	0.04	11.23
6,400.0	0.74	229.78	6,395.9	-80.3	25.4	-80.4	0.07	-0.07	0.15
6,500.0	0.84	230.42	6,495.9	-81.2	24.4	-81.3	0.10	0.10	0.64
6,600.0	0.90	238.05	6,595.9	-82.1	23.1	-82.2	0.13	0.06	7.63
6,700.0	0.89	223.07	6,695.9	-83.1	21.9	-83.2	0.23	-0.01	-14.98
6,800.0	0.79	224.21	6,795.9	-84.1	20.9	-84.2	0.10	-0.10	1.14
6,900.0	0.52	216.96	6,895.9	-85.0	20.2	-85.1	0.28	-0.27	-7.25
7,000.0	0.74	218.14	6,995.9	-85.8	19.5	-85.9	0.22	0.22	1.18
7,100.0	0.69	179.08	7,095.9	-87.0	19.1	-87.0	0.48	-0.05	-39.06
7,200.0	0.60	111.95	7,195.9	-87.8	19.6	-87.8	0.72	-0.09	-67.13
7,300.0	1.61	143.26	7,295.8	-89.1	20.9	-89.2	1.14	1.01	31.31
7,400.0	1.50	163.91	7,395.8	-91.5	22.1	-91.6	0.57	-0.11	20.65
7,500.0	1.16	187.38	7,495.8	-93.7	22.4	-93.8	0.64	-0.34	23.47
7,600.0	1.78	181.33	7,595.7	-96.3	22.2	-96.4	0.64	0.62	-6.05
7,700.0	1.27	220.47	7,695.7	-98.7	21.5	-98.8	1.13	-0.51	39.14
7,800.0	1.24	210.35	7,795.7	-100.4	20.2	-100.5	0.22	-0.03	-10.12
7,900.0	0.97	201.11	7,895.7	-102.2	19.3	-102.3	0.32	-0.27	-9.24
8,000.0	0.65	192.01	7,995.7	-103.5	18.9	-103.6	0.34	-0.32	-9.10
8,100.0	0.63	162.72	8,095.7	-104.6	19.0	-104.7	0.32	-0.02	-29.29
8,200.0	0.57	196.66	8,195.6	-105.6	19.0	-105.7	0.35	-0.06	33.94
8,300.0	0.21	158.70	8,295.6	-106.2	18.9	-106.3	0.42	-0.36	-37.96
8,400.0	0.39	215.45	8,395.6	-106.7	18.8	-106.8	0.33	0.18	56.75
8,470.0	0.44	182.39	8,465.6	-107.2	18.6	-107.2	0.34	0.07	-47.23
8470' MD Stryker Gyro									
8,505.0	2.50	198.40	8,500.6	-108.0	18.4	-108.1	5.94	5.89	45.74
8,537.0	2.20	316.90	8,532.6	-108.2	17.7	-108.3	12.63	-0.94	370.31
8,569.0	5.20	332.20	8,564.5	-106.5	16.6	-106.6	9.79	9.38	47.81
8,601.0	7.40	341.00	8,596.4	-103.3	15.3	-103.3	7.49	6.88	27.50
8,632.0	9.70	338.00	8,627.0	-99.0	13.7	-99.0	7.56	7.42	-9.68
8,664.0	12.30	337.40	8,658.4	-93.3	11.3	-93.4	8.13	8.13	-1.88
8,696.0	14.70	340.10	8,689.5	-86.3	8.7	-86.4	7.75	7.50	8.44
8,727.0	16.30	342.90	8,719.4	-78.5	6.0	-78.5	5.70	5.16	9.03
8,759.0	16.70	349.50	8,750.1	-69.7	3.9	-69.7	5.99	1.25	20.63

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Well:	Red Hills West #009H	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)
8,791.0	19.10	351.50	8,780.5	-60.0	2.3	-60.0	7.74	7.50	6.25
8,822.0	21.40	353.50	8,809.6	-49.3	0.9	-49.3	7.75	7.42	6.45
8,854.0	21.30	354.70	8,839.4	-37.7	-0.3	-37.7	1.40	-0.31	3.75
8,887.0	22.90	358.90	8,870.0	-25.4	-1.0	-25.4	6.81	4.85	12.73
8,919.0	25.70	0.10	8,899.2	-12.2	-1.1	-12.2	8.88	8.75	3.75
8,951.0	28.20	359.70	8,927.7	2.3	-1.1	2.3	7.83	7.81	-1.25
8,983.0	29.90	358.50	8,955.7	17.8	-1.4	17.9	5.62	5.31	-3.75
9,015.0	31.90	358.90	8,983.1	34.3	-1.8	34.3	6.28	6.25	1.25
9,046.0	34.10	359.10	9,009.1	51.2	-2.0	51.2	7.11	7.10	0.65
9,078.0	36.40	358.80	9,035.2	69.6	-2.4	69.6	7.21	7.19	-0.94
9,109.0	37.00	358.60	9,060.1	88.1	-2.8	88.2	1.97	1.94	-0.65
9,141.0	38.80	359.30	9,085.3	107.8	-3.2	107.8	5.78	5.63	2.19
9,173.0	40.70	359.80	9,109.9	128.3	-3.3	128.3	6.02	5.94	1.56
9,205.0	43.90	358.90	9,133.6	149.8	-3.6	149.8	10.18	10.00	-2.81
9,237.0	47.90	358.70	9,155.9	172.8	-4.1	172.8	12.51	12.50	-0.63
9,269.0	52.30	359.00	9,176.4	197.3	-4.5	197.3	13.77	13.75	0.94
9,300.0	56.30	357.30	9,194.5	222.4	-5.4	222.5	13.65	12.90	-5.48
9,332.0	60.70	356.50	9,211.2	249.7	-6.8	249.7	13.91	13.75	-2.50
9,364.0	65.40	357.50	9,225.7	278.2	-8.3	278.2	14.95	14.69	3.13
9,396.0	70.80	358.40	9,237.6	307.8	-9.4	307.9	17.08	16.88	2.81
9,428.0	76.50	358.90	9,246.6	338.5	-10.1	338.6	17.88	17.81	1.56
9,435.0	78.10	359.00	9,248.2	345.3	-10.2	345.4	22.90	22.86	1.43
9,505.0	85.60	358.10	9,258.1	414.6	-12.0	414.6	10.79	10.71	-1.29
9,536.0	85.00	358.30	9,260.6	445.4	-13.0	445.5	2.04	-1.94	0.65
9,568.0	87.30	358.20	9,262.8	477.3	-13.9	477.4	7.19	7.19	-0.31
9,599.0	90.40	357.70	9,263.4	508.3	-15.1	508.4	10.13	10.00	-1.61
9,631.0	90.60	357.50	9,263.1	540.3	-16.4	540.4	0.88	0.63	-0.63
9,695.0	90.90	357.60	9,262.3	604.2	-19.1	604.3	0.49	0.47	0.16
9,758.0	91.50	357.40	9,261.0	667.1	-21.9	667.2	1.00	0.95	-0.32
9,821.0	90.50	359.70	9,259.9	730.1	-23.5	730.2	3.98	-1.59	3.65
9,916.0	90.30	359.80	9,259.2	825.1	-23.9	825.2	0.24	-0.21	0.11
10,011.0	89.80	358.60	9,259.1	920.1	-25.2	920.2	1.37	-0.53	-1.26
10,106.0	88.30	358.00	9,260.7	1,015.0	-28.0	1,015.2	1.70	-1.58	-0.63
10,201.0	88.90	357.30	9,263.0	1,109.9	-31.9	1,110.1	0.97	0.63	-0.74
10,296.0	90.40	358.50	9,263.6	1,204.9	-35.4	1,205.0	2.02	1.58	1.26
10,391.0	90.50	358.50	9,262.8	1,299.8	-37.9	1,300.0	0.11	0.11	0.00
10,486.0	90.90	358.70	9,261.7	1,394.8	-40.2	1,395.0	0.47	0.42	0.21
10,581.0	90.10	358.10	9,260.9	1,489.7	-42.9	1,489.9	1.05	-0.84	-0.63
10,675.0	91.60	1.60	9,259.5	1,583.7	-43.1	1,583.9	4.05	1.60	3.72
10,770.0	91.40	2.00	9,257.0	1,678.6	-40.1	1,678.8	0.47	-0.21	0.42
10,865.0	91.50	2.50	9,254.6	1,773.5	-36.4	1,773.7	0.54	0.11	0.53
10,960.0	89.20	3.40	9,254.0	1,868.4	-31.5	1,868.5	2.60	-2.42	0.95
11,055.0	88.20	2.20	9,256.1	1,963.3	-26.9	1,963.4	1.64	-1.05	-1.26
11,150.0	90.40	1.60	9,257.3	2,058.2	-23.7	2,058.3	2.40	2.32	-0.63

Stryker Directional Survey Report

Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Red Hills West #009H
Project:	Lea County N.M.	TVD Reference:	3199 + 25 @ 3224.0usft (Patterson # 36)
Site:	Section 8-26S-32E Red Hills West #009H	MD Reference:	3199 + 25 @ 3224.0usft (Patterson # 36)
Well:	Red Hills West #009H	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)
11,245.0	91.10	0.60	9,256.1	2,153.2	-21.9	2,153.3	1.28	0.74	-1.05
11,340.0	90.30	0.70	9,254.9	2,248.2	-20.8	2,248.2	0.85	-0.84	0.11
11,434.0	89.10	359.00	9,255.4	2,342.1	-21.1	2,342.2	2.21	-1.28	-1.81
11,528.0	88.20	358.90	9,257.6	2,436.1	-22.8	2,436.2	0.96	-0.96	-0.11
11,624.0	86.30	359.40	9,262.2	2,532.0	-24.2	2,532.1	2.05	-1.98	0.52
11,719.0	89.20	358.40	9,265.9	2,626.9	-26.0	2,627.0	3.23	3.05	-1.05
11,814.0	91.20	1.20	9,265.6	2,721.9	-26.4	2,722.0	3.62	2.11	2.95
11,909.0	89.50	1.00	9,265.0	2,816.8	-24.5	2,816.9	1.80	-1.79	-0.21
12,004.0	88.90	359.80	9,266.4	2,911.8	-23.9	2,911.9	1.41	-0.63	-1.26
12,099.0	90.20	359.70	9,267.1	3,006.8	-24.3	3,006.9	1.37	1.37	-0.11
12,194.0	91.00	0.10	9,266.1	3,101.8	-24.5	3,101.9	0.94	0.84	0.42
12,289.0	91.50	3.50	9,264.0	3,196.7	-21.5	3,196.8	3.62	0.53	3.58
12,383.0	91.50	3.30	9,261.6	3,290.5	-15.9	3,290.6	0.21	0.00	-0.21
12,472.0	94.40	2.00	9,257.0	3,379.3	-11.8	3,379.3	3.57	3.26	-1.46
12,567.0	90.90	3.40	9,252.6	3,474.1	-7.3	3,474.1	3.97	-3.68	1.47
12,662.0	88.60	4.10	9,253.0	3,568.9	-1.1	3,568.8	2.53	-2.42	0.74
12,757.0	89.00	3.30	9,255.0	3,663.7	5.0	3,663.6	0.94	0.42	-0.84
12,852.0	86.90	2.20	9,258.4	3,758.5	9.6	3,758.4	2.50	-2.21	-1.16
12,947.0	86.40	2.20	9,264.0	3,853.2	13.2	3,853.1	0.53	-0.53	0.00
13,042.0	89.80	0.90	9,267.1	3,948.1	15.8	3,948.0	3.83	3.58	-1.37
13,136.0	90.20	0.50	9,267.1	4,042.1	16.9	4,042.0	0.60	0.43	-0.43
13,230.0	92.60	0.01	9,264.8	4,136.1	17.3	4,136.0	2.61	2.55	-0.53
13,325.0	93.10	359.80	9,260.1	4,231.0	17.2	4,230.8	0.57	0.53	-0.22
13,419.0	90.40	0.50	9,257.2	4,324.9	17.4	4,324.8	2.97	-2.87	0.74
13,514.0	89.70	0.40	9,257.1	4,419.9	18.2	4,419.8	0.74	-0.74	-0.11
13,609.0	91.40	1.20	9,256.2	4,514.9	19.5	4,514.8	1.98	1.79	0.84
13,703.0	93.80	2.30	9,252.0	4,608.8	22.4	4,608.6	2.81	2.55	1.17
13,727.0	94.20	2.60	9,250.3	4,632.7	23.4	4,632.5	2.08	1.67	1.25

13727' MD Projected to Bit

13770

9247

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
8,470.0	8,465.6	-107.2	18.6	8470' MD Stryker Gyro
13,727.0	9,250.3	4,632.7	23.4	13727' MD Projected to Bit