

NM OIL CONSERVATION

ARTESIA DISTRICT

MAR 05 2015

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
QUICK DRAW 10 Y1BO FEE 2H
EDDY

RECEIVED

STATE OF NEW MEXICO
DEVIATION REPORT

1542436

434	1.15
857	1.18
1,237	1.07
1,648	1.11

STATE OF TEXAS

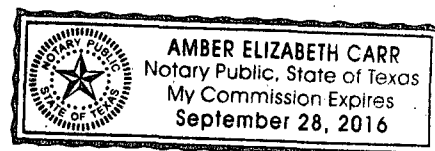
COUNTY OF MIDLAND

BY: *Dora Garcia*

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

12/23/14 by

Amber Elizabeth Carr
Notary Public for Midland County, Texas
My Commission Expires:





COMPANY: Mewbourne Oil Company
 WELL: Quick Draw 10 Y10B Fee #2H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson #41



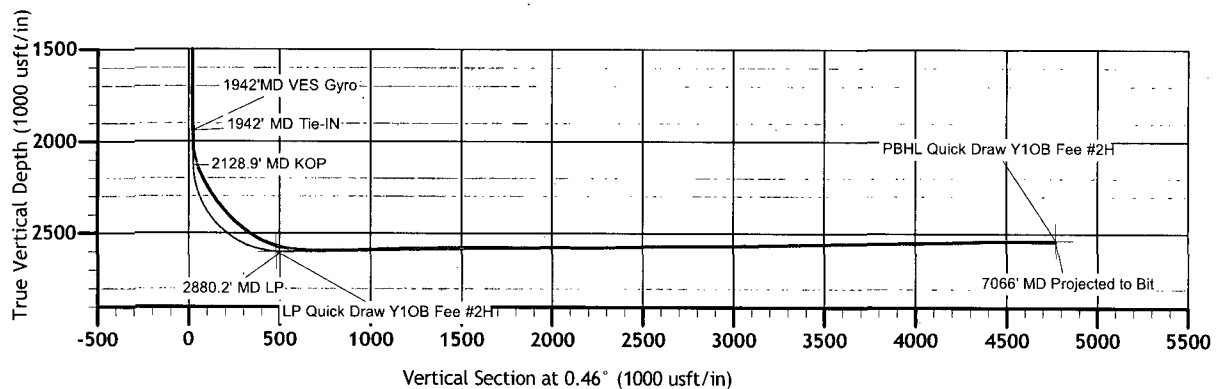
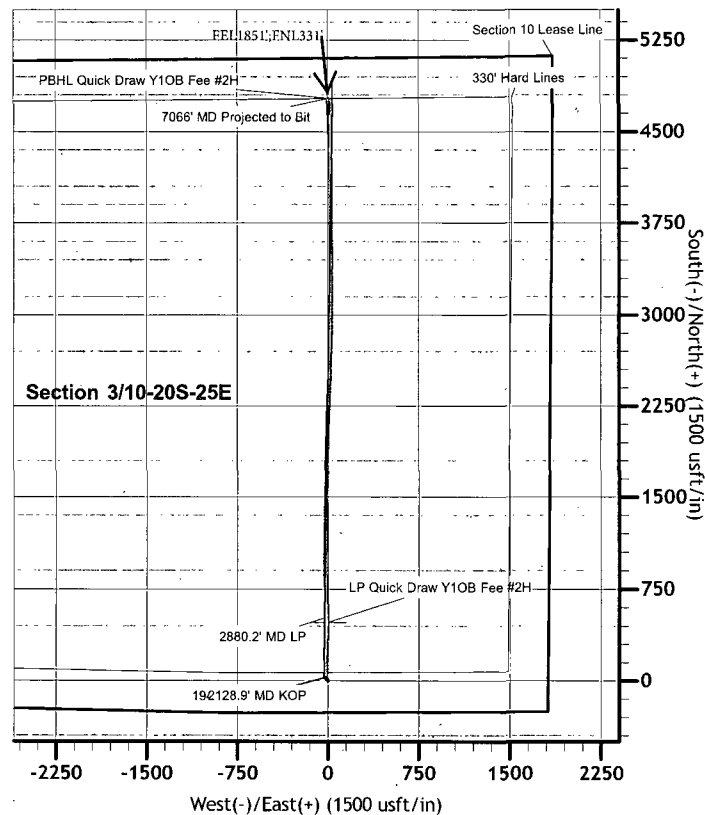
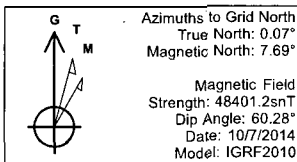
OFFICE: 936.582.7296

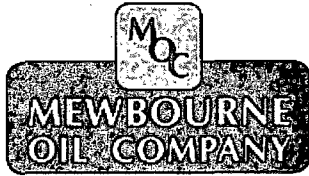
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.69°

GEODETTIC ZONE: New Mexico East 3001						
3411 + 20 @ 3431.0usft (Patterson #41)						
GROUND ELEVATION: 3411.0						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	575157.70	458030.80	32° 34' 52.107 N	104° 28' 10.511 W	

PLAN SECTIONS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect Target
1	1942.0	1.47	298.75	1941.6	25.7	-25.5	0.00	0.00	25.5
2	2128.9	1.47	298.75	2128.5	28.1	-29.7	0.00	0.00	27.8
3	2880.2	90.85	0.96	2600.0	512.7	-32.5	12.00	62.19	512.4
4	7140.9	90.85	0.96	2537.0	4772.3	38.6	0.00	0.00	4772.4

PBHL Quick Draw Y10B Fee #2H





NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 05 2015

RECEIVED

Mewbourne Oil Company .

Eddy County, New Mexico

Section 10-20S-25E Quick Draw Y10B #2H

Quick Draw 10 Y10B Fee #2H

Original Hole

Design: Original Hole

Standard Survey Report

19 November, 2014





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Quick Draw 10 Y1OB Fee #2H
Project:	Eddy County, New Mexico	TVD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Site:	Section10-20S-25E Quick Draw Y1OB #2H	MD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Well:	Quick Draw 10 Y1OB Fee #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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	Section10-20S-25E Quick Draw Y1OB #2H		
Site Position:		Northing:	575,157.70 usft
From:	Map	Easting:	458,030.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 34' 52.107 N
		Longitude:	104° 28' 10.511 W
		Grid Convergence:	-0.07 °

Well	Quick Draw 10 Y1OB Fee #2H		
Well Position	+N/-S	0.0 usft	Northing: 575,157.70 usft
	+E/-W	0.0 usft	Easting: 458,030.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 34' 52.107 N
		Longitude:	104° 28' 10.511 W
		Ground Level:	3,411.0 usft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/7/2014	7.62	60.28	48,401

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	0.46

Survey Program	Date 11/19/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	1,942.0	VES Gyro Survey #1 (Original Hole)	NSG-CT_WL
1,999.0	7,066.0	MWD Survey #2 (Original Hole)	MWD
			Description
			Continuous north-seeking gyro on wireline
			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	0.47	263.00	100.0	0.0	-0.4	-0.1	0.47	0.47	0.00
200.0	0.49	297.83	200.0	0.1	-1.2	0.1	0.29	0.02	34.83
300.0	1.03	327.73	300.0	1.1	-2.1	1.0	0.65	0.54	29.90
400.0	1.03	330.35	400.0	2.6	-3.0	2.6	0.05	0.00	2.62
500.0	1.16	329.54	500.0	4.3	-3.9	4.2	0.13	0.13	-0.81
600.0	1.16	329.51	599.9	6.0	-5.0	6.0	0.00	0.00	-0.03
700.0	1.29	329.20	699.9	7.8	-6.0	7.8	0.13	0.13	-0.31
800.0	1.35	323.68	799.9	9.8	-7.3	9.7	0.14	0.06	-5.52
900.0	1.53	312.08	899.9	11.6	-9.0	11.5	0.34	0.18	-11.60



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Quick Draw 10-Y1OB Fee #2H
Project:	Eddy County, New Mexico	TVD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Site:	Section10-20S-25E Quick Draw Y1OB #2H	MD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Well:	Quick Draw 10 Y1OB Fee #2H	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	1.53	311.17	999.8	13.4	-11.0	13.3	0.02	0.00	-0.91
1,100.0	1.26	320.40	1,099.8	15.1	-12.7	15.0	0.35	-0.27	9.23
1,200.0	1.22	325.95	1,199.8	16.8	-14.0	16.7	0.13	-0.04	5.55
1,300.0	1.00	325.17	1,299.7	18.4	-15.1	18.3	0.22	-0.22	-0.78
1,400.0	1.00	318.27	1,399.7	19.8	-16.2	19.7	0.12	0.00	-6.90
1,500.0	1.01	303.77	1,499.7	20.9	-17.5	20.8	0.25	0.01	-14.50
1,600.0	1.08	292.97	1,599.7	21.8	-19.1	21.6	0.21	0.07	-10.80
1,700.0	1.05	301.90	1,699.7	22.6	-20.7	22.5	0.17	-0.03	8.93
1,800.0	1.36	305.39	1,799.7	23.8	-22.5	23.6	0.32	0.31	3.49
1,900.0	1.51	301.88	1,899.6	25.2	-24.6	25.0	0.17	0.15	-3.51
1,942.0	1.47	298.75	1,941.6	25.7	-25.5	25.5	0.22	-0.10	-7.45
1942' MD VES Gyro									
1,999.0	1.20	325.30	1,998.6	26.6	-26.5	26.4	1.17	-0.47	46.58
2,031.0	3.10	347.40	2,030.6	27.7	-26.9	27.5	6.37	5.94	69.06
2,062.0	8.00	1.70	2,061.4	30.7	-27.0	30.5	16.30	15.81	46.13
2,093.0	13.80	5.50	2,091.8	36.5	-26.6	36.3	18.84	18.71	12.26
2,125.0	18.80	5.50	2,122.6	45.5	-25.7	45.3	15.63	15.63	0.00
2,156.0	22.30	5.50	2,151.6	56.3	-24.7	56.1	11.29	11.29	0.00
2,188.0	25.30	5.80	2,180.8	69.1	-23.4	69.0	9.38	9.38	0.94
2,219.0	28.10	5.20	2,208.5	83.0	-22.1	82.8	9.07	9.03	-1.94
2,251.0	29.30	5.20	2,236.6	98.3	-20.7	98.1	3.75	3.75	0.00
2,282.0	31.50	5.80	2,263.3	113.9	-19.2	113.8	7.16	7.10	1.94
2,314.0	34.10	4.50	2,290.2	131.2	-17.6	131.0	8.42	8.13	-4.06
2,345.0	35.70	1.40	2,315.7	148.9	-16.7	148.8	7.70	5.16	-10.00
2,377.0	36.80	0.70	2,341.5	167.8	-16.4	167.7	3.67	3.44	-2.19
2,408.0	39.30	0.30	2,365.9	186.9	-16.2	186.8	8.10	8.06	-1.29
2,440.0	41.70	0.50	2,390.2	207.7	-16.1	207.6	7.51	7.50	0.63
2,471.0	44.20	0.70	2,412.9	228.8	-15.8	228.7	8.08	8.06	0.65
2,503.0	47.00	1.10	2,435.3	251.7	-15.5	251.5	8.80	8.75	1.25
2,534.0	49.40	0.60	2,456.0	274.8	-15.1	274.7	7.83	7.74	-1.61
2,566.0	52.40	359.10	2,476.1	299.6	-15.2	299.5	10.06	9.38	-4.69
2,598.0	55.10	358.40	2,495.1	325.4	-15.8	325.3	8.62	8.44	-2.19
2,630.0	58.10	357.90	2,512.7	352.1	-16.6	352.0	9.47	9.38	-1.56
2,661.0	60.70	359.80	2,528.4	378.8	-17.2	378.6	9.91	8.39	6.13
2,693.0	64.40	0.90	2,543.2	407.2	-17.0	407.0	11.96	11.56	3.44
2,724.0	68.70	1.80	2,555.5	435.6	-16.3	435.5	14.12	13.87	2.90
2,756.0	72.30	2.40	2,566.2	465.7	-15.2	465.6	11.39	11.25	1.88
2,779.9	74.54	1.88	2,573.0	488.6	-14.4	488.5	9.61	9.37	-2.20
LP Quick Draw Y1OB Fee #2H									
2,788.0	75.30	1.70	2,575.1	496.4	-14.1	496.3	9.61	9.38	-2.16
2,820.0	77.80	1.40	2,582.6	527.5	-13.3	527.4	7.87	7.81	-0.94
2,851.0	80.60	1.00	2,588.4	558.0	-12.6	557.9	9.12	9.03	-1.29
2,883.0	83.40	360.00	2,592.8	589.7	-12.4	589.6	9.28	8.75	-3.13



Stryker Directional Survey Report



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Project:	Eddy County, New Mexico	TVD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Site:	Section10-20S-25E Quick Draw Y1OB #2H	MD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Well:	Quick Draw 10 Y1OB Fee #2H	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)
2,930.0	89.40	358.20	2,595.8	636.6	-13.1	636.4	13.33	12.77	-3.83
3,025.0	90.80	357.30	2,595.6	731.5	-16.8	731.3	1.75	1.47	-0.95
3,120.0	90.30	356.90	2,594.7	826.3	-21.6	826.1	0.67	-0.53	-0.42
3,215.0	91.10	358.50	2,593.6	921.3	-25.4	921.0	1.88	0.84	1.68
3,310.0	92.20	0.90	2,590.8	1,016.2	-25.9	1,016.0	2.78	1.16	2.53
3,405.0	92.00	0.70	2,587.3	1,111.1	-24.6	1,110.9	0.30	-0.21	-0.21
3,500.0	91.20	1.50	2,584.7	1,206.1	-22.8	1,205.9	1.19	-0.84	0.84
3,594.0	90.70	1.20	2,583.1	1,300.0	-20.6	1,299.8	0.62	-0.53	-0.32
3,689.0	91.10	1.20	2,581.6	1,395.0	-18.6	1,394.8	0.42	0.42	0.00
3,784.0	90.50	1.00	2,580.3	1,490.0	-16.8	1,489.8	0.67	-0.63	-0.21
3,880.0	90.30	1.20	2,579.6	1,586.0	-14.9	1,585.8	0.29	-0.21	0.21
3,974.0	90.20	1.00	2,579.2	1,679.9	-13.1	1,679.8	0.24	-0.11	-0.21
4,069.0	90.20	1.20	2,578.9	1,774.9	-11.3	1,774.8	0.21	0.00	0.21
4,163.0	90.30	1.40	2,578.5	1,868.9	-9.2	1,868.8	0.24	0.11	0.21
4,258.0	90.30	1.70	2,578.0	1,963.9	-6.6	1,963.8	0.32	0.00	0.32
4,352.0	89.80	1.60	2,577.9	2,057.8	-3.9	2,057.7	0.54	-0.53	-0.11
4,447.0	89.50	2.00	2,578.5	2,152.8	-0.9	2,152.7	0.53	-0.32	0.42
4,542.0	90.30	1.80	2,578.6	2,247.7	2.2	2,247.7	0.87	0.84	-0.21
4,637.0	91.70	2.10	2,577.0	2,342.7	5.5	2,342.6	1.51	1.47	0.32
4,732.0	91.30	2.20	2,574.5	2,437.6	9.0	2,437.5	0.43	-0.42	0.11
4,827.0	90.60	1.90	2,572.9	2,532.5	12.4	2,532.5	0.80	-0.74	-0.32
4,922.0	91.30	1.80	2,571.4	2,627.4	15.5	2,627.5	0.74	0.74	-0.11
5,016.0	90.80	1.90	2,569.6	2,721.4	18.5	2,721.4	0.54	-0.53	0.11
5,112.0	90.30	1.30	2,568.7	2,817.3	21.2	2,817.4	0.81	-0.52	-0.63
5,204.0	90.10	1.40	2,568.4	2,909.3	23.4	2,909.4	0.24	-0.22	0.11
5,298.0	89.70	0.50	2,568.6	3,003.3	24.9	3,003.4	1.05	-0.43	-0.96
5,389.0	92.00	359.40	2,567.2	3,094.3	24.9	3,094.4	2.80	2.53	-1.21
5,483.0	91.30	359.90	2,564.5	3,188.2	24.3	3,188.3	0.92	-0.74	0.53
5,576.0	90.90	0.30	2,562.7	3,281.2	24.5	3,281.3	0.61	-0.43	0.43
5,670.0	90.70	0.30	2,561.4	3,375.2	24.9	3,375.3	0.21	-0.21	0.00
5,762.0	91.80	359.80	2,559.4	3,467.2	25.0	3,467.2	1.31	1.20	-0.54
5,854.0	91.60	359.80	2,556.7	3,559.1	24.7	3,559.2	0.22	-0.22	0.00
5,947.0	91.00	359.90	2,554.6	3,652.1	24.5	3,652.2	0.65	-0.65	0.11
6,040.0	90.60	359.90	2,553.3	3,745.1	24.3	3,745.2	0.43	-0.43	0.00
6,132.0	90.00	359.90	2,552.8	3,837.1	24.1	3,837.1	0.65	-0.65	0.00
6,225.0	91.20	359.30	2,551.8	3,930.1	23.5	3,930.1	1.44	1.29	-0.65
6,319.0	90.90	359.40	2,550.1	4,024.0	22.4	4,024.1	0.34	-0.32	0.11
6,411.0	90.60	359.20	2,548.9	4,116.0	21.3	4,116.1	0.39	-0.33	-0.22
6,507.0	92.40	359.20	2,546.4	4,212.0	20.0	4,212.0	1.88	1.88	0.00
6,600.0	91.70	358.60	2,543.0	4,304.9	18.2	4,304.9	0.99	-0.75	-0.65
6,694.0	91.20	358.50	2,540.7	4,398.8	15.8	4,398.8	0.54	-0.53	-0.11
6,787.0	90.50	357.90	2,539.3	4,491.8	12.9	4,491.8	0.99	-0.75	-0.65
6,882.0	89.90	357.90	2,538.9	4,586.7	9.4	4,586.7	0.63	-0.63	0.00
6,977.0	89.50	358.10	2,539.4	4,681.7	6.1	4,681.6	0.47	-0.42	0.21



Stryker Directional Survey Report



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Project:	Eddy County, New Mexico	TVD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Site:	Section10-20S-25E Quick Draw Y1OB #2H	MD Reference:	3411 + 20 @ 3431.0usft (Patterson #41)
Well:	Quick Draw 10 Y1OB Fee #2H	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)
7,066.0	89.50	358.10	2,540.2	4,770.6	3.1	4,770.5	0.00	0.00	0.00
7066' MD Projected to Bit - PBHL Quick Draw Y1OB Fee #2H									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,942.0	1,941.6	25.7	-25.5	1942' MD VES Gyro	
7,066.0	2,540.2	4,770.6	3.1	7066' MD Projected to Bit	



January 7, 2015

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

Attn: Jackie Lathan

Re: Mewbourne Oil Company
Quick Draw 10 Y1OB Fee #002H
N. Seven Rivers; Glorieta-Yeso
Eddy County, New Mexico
API# 30-015-42436

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

<u>Name & Title</u>	<u>Drainhole No.</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Noah Townsend	Original Hole	1,999 ft. to 7,022 ft.	11-13-14 to 11-18-14	MWD Survey

A certified plat on 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


Todd Estes

Enclosures

CC:

Mewbourne Oil Company
Attn: Frosty Lathan
P.O. Box 5720
Hobbs, NM 88241

Mewbourne Oil Company
Attn: Robin Terrell
P.O. Box 5720
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Quick Draw 10 Y1OB Fee #2H\M141256

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



January 7, 2015

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Todd Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of November 13, 2014 thru November 18, 2014, conduct or supervise the taking of a SEDS MWD Survey from a depth of 1,999 feet to a depth of 7,022 feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Quick Draw 10 Y10B Fee #002H well, API # **30-015-42436** in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.


Todd Estes

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.
P.O. Box 1250
Montgomery, TX 77356
Office (936) 582-7296 * Fax (936)-588-4163



Stryker Energy Directional Services, LLC

SURVEY CALCULATION REPORT

Minimum Curvature Calculations

Operator: Mewbourne Oil Company
 Lease Name: Quick Draw 10 Y10B FEE #2H
 API /Job Number: 30-015-42436 M141256
 Comments: TIE IN TO MULTISHOT GYRO
 Survey Company: Stryker Energy Directional Services, LLC.

Target KBTVD: 2,607 Feet
 Target Angle: 90.84 Degrees
 Section Plane: 0.46 Degrees
 Declination Corrected to Grid: 7.69 Degrees
 Bit to Survey Offset: 44 Feet

Survey Number	Measured Depth	Drift (Degrees)	Azimuth (Degrees)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	BUR	DLS	KBTVD	+Above -Below Target
T/I	1,942	1.5	298.8	N/A	1,941.6	25.8	25.8	-25.5	N/A	N/A	1942.0	665.1
1	1,999	1.2	325.3	57	1,998.6	26.4	26.6	-26.5	-0.5	1.2	1999.0	608.1
2	2,031	3.1	347.4	32	2,030.6	27.5	27.7	-26.9	5.9	6.4	2031.0	576.1
3	2,062	8.0	1.7	31	2,061.4	30.5	30.7	-27.0	15.8	16.3	2061.9	545.2
4	2,093	13.8	5.5	31	2,091.8	36.3	36.5	-26.6	18.7	18.8	2092.4	514.7
5	2,125	18.8	5.5	32	2,122.5	45.3	45.5	-25.7	15.6	15.6	2123.2	483.9
6	2,156	22.3	5.5	31	2,151.6	56.1	56.3	-24.7	11.3	11.3	2152.4	454.7
7	2,188	25.3	5.8	32	2,180.8	69.0	69.1	-23.4	9.4	9.4	2181.9	425.2
8	2,219	28.1	5.2	31	2,208.5	82.8	83.0	-22.1	9.0	9.1	2209.8	397.3
9	2,251	29.3	5.2	32	2,236.6	98.1	98.3	-20.7	3.8	3.7	2238.0	369.1
10	2,282	31.5	5.8	31	2,263.3	113.8	113.9	-19.2	7.1	7.2	2265.0	342.1
11	2,314	34.1	4.5	32	2,290.2	131.0	131.2	-17.6	8.1	8.4	2292.2	314.9
12	2,345	35.7	1.4	31	2,315.7	148.8	148.9	-16.7	5.2	7.7	2317.8	289.3
13	2,377	36.8	0.7	32	2,341.5	167.7	167.8	-16.4	3.4	3.7	2343.9	263.2
14	2,408	39.3	0.3	31	2,365.9	186.8	186.9	-16.2	8.1	8.1	2368.6	238.5
15	2,440	41.7	0.5	32	2,390.2	207.6	207.7	-16.1	7.5	7.5	2393.3	213.8
16	2,471	44.2	0.7	31	2,412.9	228.7	228.8	-15.8	8.1	8.1	2416.3	190.8
17	2,503	47.0	1.1	32	2,435.3	251.5	251.7	-15.5	8.7	8.8	2439.0	168.1
18	2,534	49.4	0.6	31	2,455.9	274.7	274.8	-15.1	7.7	7.8	2460.0	147.1
19	2,566	52.4	359.1	32	2,476.1	299.5	299.6	-15.2	9.4	10.1	2480.5	126.6
20	2,598	55.1	358.4	32	2,495.1	325.3	325.4	-15.8	8.4	8.6	2499.8	107.3
21	2,630	58.1	357.9	32	2,512.7	352.0	352.1	-16.6	9.4	9.5	2517.8	89.3
22	2,661	60.7	359.8	31	2,528.4	378.6	378.8	-17.2	8.4	9.9	2534.0	73.1
23	2,693	64.4	0.9	32	2,543.2	407.0	407.2	-17.0	11.6	12.0	2549.2	57.9
24	2,724	68.7	1.8	31	2,555.5	435.5	435.6	-16.3	13.9	14.1	2561.9	45.2
25	2,756	72.3	2.4	32	2,566.2	465.6	465.7	-15.2	11.3	11.4	2573.0	34.1
26	2,788	75.3	1.7	32	2,575.1	496.3	496.4	-14.1	9.4	9.6	2582.4	24.7
27	2,820	77.8	1.4	32	2,582.6	527.4	527.6	-13.3	7.8	7.9	2590.3	16.8
28	2,851	80.6	1.0	31	2,588.4	557.9	558.0	-12.6	9.0	9.1	2596.6	10.5
29	2,883	83.4	0.0	32	2,592.8	589.6	589.7	-12.4	8.8	9.3	2601.5	5.6
30	2,930	89.4	358.2	47	2,595.8	636.4	636.6	-13.1	12.8	13.3	2605.1	2.0
31	3,025	90.8	357.3	95	2,595.6	731.3	731.5	-16.8	1.5	1.8	2606.3	0.8
32	3,120	90.3	356.9	95	2,594.7	826.1	826.3	-21.6	-0.5	0.7	2606.8	0.3
33	3,215	91.1	358.8	95	2,593.5	921.0	921.3	-25.2	0.8	2.2	2607.1	0.1
34	3,310	92.2	0.9	95	2,590.8	1,016.0	1,016.2	-25.5	1.2	2.5	2605.7	1.4
35	3,405	92.0	0.7	95	2,587.3	1,110.9	1,111.2	-24.1	-0.2	0.3	2603.6	3.5
36	3,500	91.2	1.5	95	2,584.7	1,205.9	1,206.1	-22.3	-0.8	1.2	2602.4	4.7
37	3,594	90.7	1.2	94	2,583.1	1,299.8	1,300.1	-20.1	-0.5	0.6	2602.2	4.9
38	3,689	91.1	1.2	95	2,581.6	1,394.8	1,395.0	-18.1	0.4	0.4	2602.1	5.0
39	3,784	90.5	1.0	95	2,580.3	1,489.8	1,490.0	-16.3	-0.6	0.7	2602.1	5.0
40	3,880	90.3	1.2	96	2,579.6	1,585.8	1,586.0	-14.4	-0.2	0.3	2602.9	4.2



Stryker Energy Directional Services, LLC

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API /Job Number: 30-015-42436 M141256
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41	3,974	90.2	1.0	94	2,579.2	1,679.8	1,680.0	-12.6	-0.1	0.2	2603.9	3.3
42	4,069	90.2	1.2	95	2,578.9	1,774.8	1,774.9	-10.8	0.0	0.2	2604.9	2.2
43	4,163	90.3	1.4	94	2,578.5	1,868.8	1,868.9	-8.7	0.1	0.2	2605.9	1.2
44	4,258	90.3	1.7	95	2,578.0	1,963.8	1,963.9	-6.1	0.0	0.3	2606.8	0.3
45	4,352	89.8	1.6	94	2,577.9	2,057.7	2,057.8	-3.4	-0.5	0.5	2608.1	-1.0
46	4,447	89.5	2.0	95	2,578.5	2,152.7	2,152.8	-0.4	-0.3	0.5	2610.0	-2.9
47	4,542	90.3	1.8	95	2,578.6	2,247.7	2,247.7	2.7	0.8	0.9	2611.6	-4.5
48	4,637	91.7	2.1	95	2,577.0	2,342.6	2,342.7	6.0	1.5	1.5	2611.3	-4.2
49	4,732	91.3	2.2	95	2,574.5	2,437.6	2,437.6	9.5	-0.4	0.4	2610.2	-3.1
50	4,827	90.6	1.9	95	2,572.9	2,532.5	2,532.5	12.9	-0.7	0.8	2610.1	-3.0
51	4,922	91.3	1.8	95	2,571.4	2,627.5	2,627.4	16.0	0.7	0.7	2609.9	-2.8
52	5,016	90.8	1.9	94	2,569.6	2,721.4	2,721.4	19.0	-0.5	0.5	2609.5	-2.4
53	5,112	90.3	1.3	96	2,568.7	2,817.4	2,817.3	21.7	-0.5	0.8	2610.0	-2.9
54	5,204	90.1	1.4	92	2,568.4	2,909.4	2,909.3	23.9	-0.2	0.2	2611.0	-3.9
55	5,298	89.7	0.5	94	2,568.6	3,003.4	3,003.3	25.4	-0.4	1.0	2612.6	-5.5
56	5,389	92.0	359.4	91	2,567.2	3,094.4	3,094.2	25.4	2.5	2.8	2612.6	-5.5
57	5,483	91.3	359.9	94	2,564.5	3,188.3	3,188.2	24.8	-0.7	0.9	2611.2	-4.1
58	5,576	90.9	0.3	93	2,562.7	3,281.3	3,281.2	24.9	-0.4	0.6	2610.8	-3.7
59	5,670	90.7	0.3	94	2,561.4	3,375.3	3,375.2	25.4	-0.2	0.2	2610.9	-3.8
60	5,762	91.8	359.8	92	2,559.4	3,467.2	3,467.2	25.5	1.2	1.3	2610.2	-3.1
61	5,854	91.6	359.8	92	2,556.7	3,559.2	3,559.1	25.2	-0.2	0.2	2608.8	-1.7
62	5,947	91.0	359.9	93	2,554.6	3,652.2	3,652.1	25.0	-0.6	0.7	2608.1	-1.0
63	6,040	90.6	359.9	93	2,553.3	3,745.2	3,745.1	24.8	-0.4	0.4	2608.2	-1.1
64	6,132	90.0	359.9	92	2,552.8	3,837.1	3,837.1	24.6	-0.7	0.7	2609.0	-1.9
65	6,225	91.2	359.3	93	2,551.8	3,930.1	3,930.1	24.0	1.3	1.4	2609.4	-2.3
66	6,319	90.9	359.4	94	2,550.1	4,024.1	4,024.0	22.9	-0.3	0.3	2609.1	-2.0
67	6,411	90.6	359.2	92	2,548.9	4,116.1	4,116.0	21.8	-0.3	0.4	2609.2	-2.1
68	6,507	92.4	359.2	96	2,546.4	4,212.0	4,212.0	20.5	1.9	1.9	2608.1	-1.0
69	6,600	91.7	358.6	93	2,543.0	4,304.9	4,304.9	18.7	-0.8	1.0	2606.1	1.0
70	6,694	91.2	358.5	94	2,540.7	4,398.8	4,398.8	16.3	-0.5	0.5	2605.1	2.0
71	6,787	90.5	357.9	93	2,539.3	4,491.7	4,491.8	13.4	-0.8	1.0	2605.1	2.0
72	6,882	89.9	357.9	95	2,538.9	4,586.6	4,586.7	9.9	-0.6	0.6	2606.2	0.9
73	6,977	89.5	358.1	95	2,539.4	4,681.6	4,681.7	6.6	-0.4	0.5	2608.1	-1.0
74	7,022	89.4	357.8	45	2,539.9	4,726.5	4,726.6	5.0	-0.2	0.7	2609.2	-2.1
TD	7,066	89.4	357.8	44	2,540.3	4,770.5	4,770.6	3.3	0.0	0.0	2610.3	-3.2

Closure Distance @ T.D. : 4770.6 Feet
Closure Direction @ T.D. : 0.0 Degrees