



November 8, 2017

RECEIVED

AUG 21 2018

DISTRICT II-ARTESIA O.C.D.

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
Armstrong 26 35 W0IP Federal Com #002H
Purple Sage; Wolfcamp (Gas)
Eddy County, New Mexico
API# 30-015-43799

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>
Bill Wallace	Original Hole	1,052ft. to 19,098ft.	10-04-17 to 10-28-17	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\Armstrong 26 35 W0IP Federal Com #2HM171095

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



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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 October 04, 2017, through October 28, 2017 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,052 feet to a depth of 19,098 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 Armstrong 26 35 W0IP Federal Com #002H well, API # **30-015-43799** 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

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Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 26/35-25S-31E Armstrong 26-35 W0IP F
Well: Armstrong 26-35 W0IP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Armstrong 26-35 W0IP Fed Com #2H
TVD Reference: 3339 + 27 @ 3366.0usft (Patterson 242)
MD Reference: 3339 + 27 @ 3366.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	Section 26/35-25S-31E Armstrong 26-35 W0IP Fed Com		
Site Position:		Northing:	401,040.30 usft
From:	Map	Easting:	683,486.50 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 4.283 N
		Longitude:	103° 44' 26.823 W
		Grid Convergence:	0.31 °

Well	Armstrong 26-35 W0IP Fed Com #2H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 6' 4.283 N
		Longitude:	103° 44' 26.823 W
		Ground Level:	3,339.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/19/2017	7.00	59.92	47,821.34480273

Design	Original Hole			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
				0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	340.81



Microsoft MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 26/35-25S-31E Armstrong 26-35 W01P F
Well: Armstrong 26-35 W01P Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Armstrong 26-35 W01P Fed Com #2H
TVD Reference: 3339 + 27 @ 3366.0usft (Patterson 242)
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Survey Program **Date** 10/30/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
196.0	975.0	Rig Survey Teledrift (Original Hole)	MWD	MWD v3:standard declination
1,052.0	19,280.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
975.0	1.60	357.00	974.9	8.3	-2.9	8.8	340.81	Tie-In
1,052.0	1.30	342.90	1,051.9	10.2	-3.2	10.7	342.59	
1,242.0	1.50	340.80	1,241.8	14.6	-4.6	15.3	342.34	
1,432.0	1.90	332.70	1,431.7	19.7	-6.9	20.9	340.71	
1,622.0	0.70	115.60	1,621.7	22.0	-7.3	23.2	341.66	
1,811.0	1.80	141.50	1,810.7	19.2	-4.4	19.7	347.05	
1,998.0	2.20	153.60	1,997.5	13.7	-1.0	13.7	355.85	
2,185.0	2.50	166.50	2,184.4	6.5	1.6	6.7	13.38	
2,372.0	0.90	237.70	2,371.3	1.8	1.3	2.2	35.39	
2,560.0	1.20	258.30	2,559.3	0.6	-1.9	2.0	287.17	
2,747.0	1.80	259.50	2,746.2	-0.3	-6.7	6.7	267.09	
2,934.0	2.30	263.10	2,933.1	-1.3	-13.3	13.4	264.31	
3,121.0	1.50	268.30	3,120.0	-1.9	-19.5	19.6	264.58	
3,308.0	1.60	90.70	3,307.0	-2.0	-19.3	19.4	264.23	
3,495.0	1.80	115.70	3,493.9	-3.3	-14.1	14.5	256.96	
3,682.0	2.90	133.40	3,680.7	-7.8	-8.0	11.2	225.77	
3,869.0	2.30	147.30	3,867.5	-14.2	-2.5	14.4	190.12	
4,054.0	1.40	178.10	4,052.4	-19.6	-0.5	19.6	181.32	
4,231.0	1.70	281.10	4,229.4	-21.2	-3.0	21.4	187.93	
4,332.0	1.80	293.90	4,330.4	-20.3	-5.9	21.1	196.15	
4,519.0	1.70	349.70	4,517.3	-16.4	-9.1	18.7	208.94	



Microsoft
MWD Surveys



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4,706.0	1.50	355.20	4,704.2	-11.2	-9.8	14.9	221.04
4,894.0	1.10	356.00	4,892.2	-7.0	-10.1	12.3	235.40
5,081.0	1.10	336.40	5,079.1	-3.5	-10.9	11.5	252.13
5,268.0	1.20	338.00	5,266.1	-0.1	-12.4	12.4	269.70
5,455.0	2.20	20.90	5,453.0	5.1	-11.8	12.9	293.32
5,641.0	2.20	16.30	5,638.9	11.9	-9.6	15.2	321.13
5,828.0	2.20	21.40	5,825.7	18.7	-7.2	20.0	338.76
6,015.0	1.90	12.70	6,012.6	25.0	-5.3	25.6	348.13
6,202.0	1.80	31.50	6,199.5	30.5	-3.0	30.7	354.32
6,390.0	1.70	25.00	6,387.4	35.6	-0.3	35.6	359.49
6,576.0	1.90	33.50	6,573.3	40.7	2.5	40.7	3.59
6,763.0	0.90	350.40	6,760.3	44.7	4.0	44.9	5.13
6,950.0	0.40	353.40	6,947.3	46.8	3.7	46.9	4.51
7,137.0	0.10	158.40	7,134.3	47.3	3.7	47.4	4.45
7,325.0	1.00	29.40	7,322.3	48.6	4.5	48.8	5.35
7,511.0	1.10	52.90	7,508.2	51.1	6.8	51.5	7.55
7,698.0	1.50	30.80	7,695.2	54.2	9.5	55.1	9.88
7,886.0	1.50	352.50	7,883.1	58.8	10.4	59.7	10.02
8,073.0	0.70	3.30	8,070.1	62.4	10.1	63.2	9.23
8,260.0	0.40	349.40	8,257.1	64.1	10.1	64.9	8.93
8,447.0	0.50	312.10	8,444.1	65.3	9.4	66.0	8.15
8,634.0	0.80	215.00	8,631.1	64.8	8.0	65.3	7.04
8,821.0	2.20	236.10	8,818.0	61.7	4.3	61.9	3.96
9,008.0	2.20	295.00	9,004.9	61.3	-2.0	61.3	358.17
9,194.0	2.50	318.10	9,190.7	65.8	-7.9	66.3	353.15
9,381.0	2.60	17.00	9,377.6	72.9	-9.4	73.5	352.66
9,567.0	1.50	46.50	9,563.5	78.6	-6.4	78.8	355.35

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9,754.0	0.20	289.30	9,750.4	80.4	-4.9	80.5	356.50
9,940.0	1.30	298.50	9,936.4	81.5	-7.1	81.8	355.03
10,128.0	3.20	348.00	10,124.3	87.6	-10.0	88.2	353.46
10,315.0	3.80	303.90	10,311.0	96.2	-16.3	97.6	350.40
10,502.0	1.60	348.00	10,497.8	102.2	-22.0	104.6	347.87
10,688.0	2.80	99.60	10,683.7	104.0	-18.0	105.6	350.17
10,875.0	2.10	116.40	10,870.5	101.7	-10.5	102.3	354.13
11,062.0	0.40	147.00	11,057.5	99.6	-7.0	99.9	355.97
11,204.5	0.83	191.67	11,200.0	98.2	-7.0	98.5	355.95
B B Armstrong 26/35 W0IP Fed Com 2H							
11,249.0	1.00	196.70	11,244.5	97.5	-7.1	97.8	355.81
11,306.0	2.10	177.50	11,301.4	96.0	-7.2	96.3	355.69
11,337.0	6.00	176.40	11,332.3	93.8	-7.1	94.1	355.67
11,368.0	10.10	177.40	11,363.0	89.5	-6.9	89.8	355.60
11,399.0	13.80	178.90	11,393.4	83.1	-6.7	83.3	355.40
11,430.0	17.80	182.00	11,423.2	74.6	-6.8	75.0	354.81
11,461.0	21.30	183.70	11,452.4	64.3	-7.3	64.7	353.51
11,492.0	24.50	183.80	11,480.9	52.3	-8.1	52.9	351.18
11,523.0	27.30	183.10	11,508.8	38.7	-8.9	39.8	347.04
11,555.0	30.20	182.40	11,536.9	23.4	-9.6	25.3	337.56
11,586.0	33.70	180.30	11,563.2	7.0	-10.0	12.2	304.82
11,617.0	37.50	179.80	11,588.4	-11.1	-10.0	14.9	222.18
11,648.0	40.90	180.50	11,612.4	-30.7	-10.1	32.3	198.21
11,679.0	44.50	180.90	11,635.2	-51.7	-10.3	52.7	191.32
11,710.0	46.80	181.10	11,656.8	-73.8	-10.7	74.6	188.27
11,742.0	49.70	179.90	11,678.2	-97.7	-10.9	98.3	186.39
11,773.0	53.70	178.90	11,697.4	-122.0	-10.7	122.5	185.00



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11,804.0	57.60	178.90	11,714.9	-147.6	-10.2	148.0	183.95
11,835.0	60.50	179.50	11,730.8	-174.2	-9.8	174.5	183.23
11,866.0	63.30	180.00	11,745.4	-201.5	-9.7	201.8	182.75
11,897.0	67.60	180.30	11,758.3	-229.7	-9.8	229.9	182.44
11,928.0	71.10	181.10	11,769.2	-258.7	-10.1	258.9	182.24
11,960.0	75.70	181.60	11,778.3	-289.4	-10.9	289.6	182.15
11,989.0	80.30	181.70	11,784.4	-317.7	-11.7	317.9	182.10
12,040.0	84.00	181.80	11,791.3	-368.2	-13.2	368.5	182.06
12,134.0	86.70	180.60	11,799.0	-461.9	-15.2	462.1	181.88
12,152.9	87.47	180.50	11,799.9	-480.7	-15.4	481.0	181.83
LP Armstrong 26/35 W0IP Fed Com 2H							
12,227.0	90.50	180.10	11,801.2	-554.8	-15.7	555.1	181.63
12,320.0	92.60	180.30	11,798.7	-647.8	-16.1	648.0	181.42
12,414.0	91.20	180.50	11,795.6	-741.7	-16.7	741.9	181.29
12,507.0	91.30	180.70	11,793.6	-834.7	-17.7	834.9	181.21
12,601.0	90.90	180.10	11,791.8	-928.7	-18.4	928.9	181.13
12,694.0	88.40	180.70	11,792.3	-1,021.7	-19.0	1,021.9	181.07
12,788.0	89.40	179.90	11,794.1	-1,115.7	-19.5	1,115.8	181.00
12,881.0	92.60	180.30	11,792.5	-1,208.6	-19.7	1,208.8	180.93
12,975.0	89.80	180.40	11,790.5	-1,302.6	-20.2	1,302.8	180.89
13,068.0	89.40	180.50	11,791.2	-1,395.6	-21.0	1,395.7	180.86
13,161.0	91.20	181.40	11,790.7	-1,488.6	-22.5	1,488.7	180.87
13,255.0	90.70	181.30	11,789.1	-1,582.5	-24.7	1,582.7	180.89
13,348.0	89.80	180.60	11,788.7	-1,675.5	-26.3	1,675.7	180.90
13,442.0	91.30	181.20	11,787.8	-1,769.5	-27.7	1,769.7	180.90
13,535.0	92.70	181.40	11,784.6	-1,862.4	-29.8	1,862.7	180.92
13,629.0	92.40	182.40	11,780.4	-1,956.3	-33.0	1,956.5	180.97



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13,722.0	89.80	182.50	11,778.6	-2,049.2	-36.9	2,049.5	181.03
13,816.0	89.70	183.30	11,779.0	-2,143.0	-41.7	2,143.4	181.11
13,909.0	90.10	183.50	11,779.2	-2,235.9	-47.2	2,236.4	181.21
14,003.0	89.30	183.20	11,779.7	-2,329.7	-52.7	2,330.3	181.30
14,096.0	89.50	183.00	11,780.7	-2,422.6	-57.7	2,423.3	181.36
14,190.0	89.60	182.60	11,781.4	-2,516.5	-62.3	2,517.2	181.42
14,283.0	90.40	183.40	11,781.4	-2,609.3	-67.2	2,610.2	181.47
14,376.0	92.40	184.10	11,779.1	-2,702.1	-73.3	2,703.1	181.55
14,470.0	90.60	184.60	11,776.7	-2,795.8	-80.4	2,796.9	181.65
14,563.0	89.40	184.00	11,776.7	-2,888.5	-87.4	2,889.8	181.73
14,656.0	89.50	183.40	11,777.6	-2,981.3	-93.4	2,982.8	181.79
14,750.0	89.80	182.10	11,778.1	-3,075.2	-97.9	3,076.8	181.82
14,843.0	90.70	181.70	11,777.7	-3,168.2	-101.0	3,169.8	181.83
14,936.0	89.20	180.60	11,777.8	-3,261.1	-102.8	3,262.8	181.81
15,029.0	88.60	178.40	11,779.6	-3,354.1	-102.0	3,355.7	181.74
15,123.0	88.60	176.50	11,781.9	-3,448.0	-97.8	3,449.4	181.63
15,216.0	89.30	177.20	11,783.6	-3,540.8	-92.7	3,542.0	181.50
15,311.0	91.00	176.00	11,783.4	-3,635.7	-87.1	3,636.7	181.37
15,403.0	93.10	176.70	11,780.1	-3,727.4	-81.2	3,728.3	181.25
15,498.0	92.10	177.50	11,775.7	-3,822.2	-76.4	3,822.9	181.15
15,591.0	92.20	179.60	11,772.3	-3,915.1	-74.1	3,915.8	181.08
15,684.0	89.00	178.70	11,771.3	-4,008.1	-72.7	4,008.7	181.04
15,778.0	89.10	178.60	11,772.8	-4,102.0	-70.5	4,102.6	180.98
15,871.0	91.70	179.60	11,772.2	-4,195.0	-69.0	4,195.6	180.94
15,964.0	90.10	179.60	11,770.7	-4,288.0	-68.4	4,288.5	180.91
16,058.0	91.00	178.10	11,769.8	-4,381.9	-66.5	4,382.5	180.87
16,152.0	90.30	178.30	11,768.8	-4,475.9	-63.5	4,476.3	180.81



Microsoft
MWD Surveys



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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
16,245.0	87.70	178.20	11,770.4	-4,568.8	-60.7	4,569.2	180.76
16,339.0	88.50	177.30	11,773.5	-4,662.7	-57.0	4,663.1	180.70
16,432.0	90.10	176.70	11,774.6	-4,755.6	-52.1	4,755.9	180.63
16,525.0	91.70	177.20	11,773.2	-4,848.4	-47.2	4,848.6	180.56
16,618.0	92.00	177.90	11,770.2	-4,941.3	-43.2	4,941.5	180.50
16,712.0	89.30	177.00	11,769.1	-5,035.2	-39.0	5,035.3	180.44
16,805.0	90.70	177.50	11,769.1	-5,128.1	-34.6	5,128.2	180.39
16,899.0	92.20	177.80	11,766.7	-5,222.0	-30.7	5,222.0	180.34
16,992.0	89.70	177.50	11,765.2	-5,314.9	-26.9	5,314.9	180.29
17,085.0	89.80	177.30	11,765.6	-5,407.8	-22.7	5,407.8	180.24
17,179.0	89.40	177.20	11,766.3	-5,501.6	-18.2	5,501.7	180.19
17,272.0	89.70	177.30	11,767.0	-5,594.5	-13.7	5,594.6	180.14
17,366.0	91.30	177.60	11,766.2	-5,688.4	-9.5	5,688.4	180.10
17,459.0	88.70	178.60	11,766.2	-5,781.4	-6.5	5,781.4	180.06
17,552.0	90.30	178.60	11,767.0	-5,874.3	-4.2	5,874.3	180.04
17,646.0	92.40	178.40	11,764.8	-5,968.3	-1.7	5,968.3	180.02
17,740.0	89.00	178.90	11,763.6	-6,062.2	0.5	6,062.2	180.00
17,834.0	88.80	178.80	11,765.4	-6,156.2	2.4	6,156.2	179.98
17,927.0	90.20	179.30	11,766.2	-6,249.2	3.9	6,249.2	179.96
18,021.0	89.90	179.90	11,766.1	-6,343.2	4.6	6,343.2	179.96
18,114.0	91.20	180.10	11,765.3	-6,436.2	4.6	6,436.2	179.96
18,196.0	89.50	179.80	11,764.8	-6,518.2	4.6	6,518.2	179.96
18,289.0	92.00	180.80	11,763.5	-6,611.1	4.2	6,611.1	179.96
18,385.0	91.50	180.20	11,760.6	-6,707.1	3.3	6,707.1	179.97
18,480.0	91.10	179.80	11,758.4	-6,802.1	3.3	6,802.1	179.97
18,575.0	89.90	180.00	11,757.6	-6,897.1	3.5	6,897.1	179.97
18,671.0	86.80	179.90	11,760.4	-6,993.0	3.6	6,993.0	179.97



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Eddy County, New Mexico
Site: Section 26/35-25S-31E Armstrong 26-35 W0IP F
Well: Armstrong 26-35 W0IP Fed Com #2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Armstrong 26-35 W0IP Fed Com #2H
TVD Reference: 3339 + 27 @ 3366.0usft (Patterson 242)
MD Reference: 3339 + 27 @ 3366.0usft (Patterson 242)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
18,766.0	85.40	179.50	11,766.8	-7,087.8	4.1	7,087.8	179.97
18,862.0	87.80	178.90	11,772.5	-7,183.6	5.4	7,183.6	179.96
18,958.0	91.40	179.90	11,773.2	-7,279.6	6.4	7,279.6	179.95
19,053.0	91.30	180.10	11,771.0	-7,374.6	6.4	7,374.6	179.95
19,098.0	92.90	179.80	11,769.3	-7,419.5	6.4	7,419.5	179.95
19,280.0	92.90	179.80	11,760.1	-7,601.3	7.1	7,601.3	179.95

19280.0' MS Projected to Bit - PBHL Armstrong 26/35 W0IP Fed Com 2H

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
19,280.0	11,760.1	-7,601.3	7.1	19280.0' MS Projected to Bit