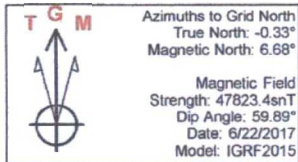
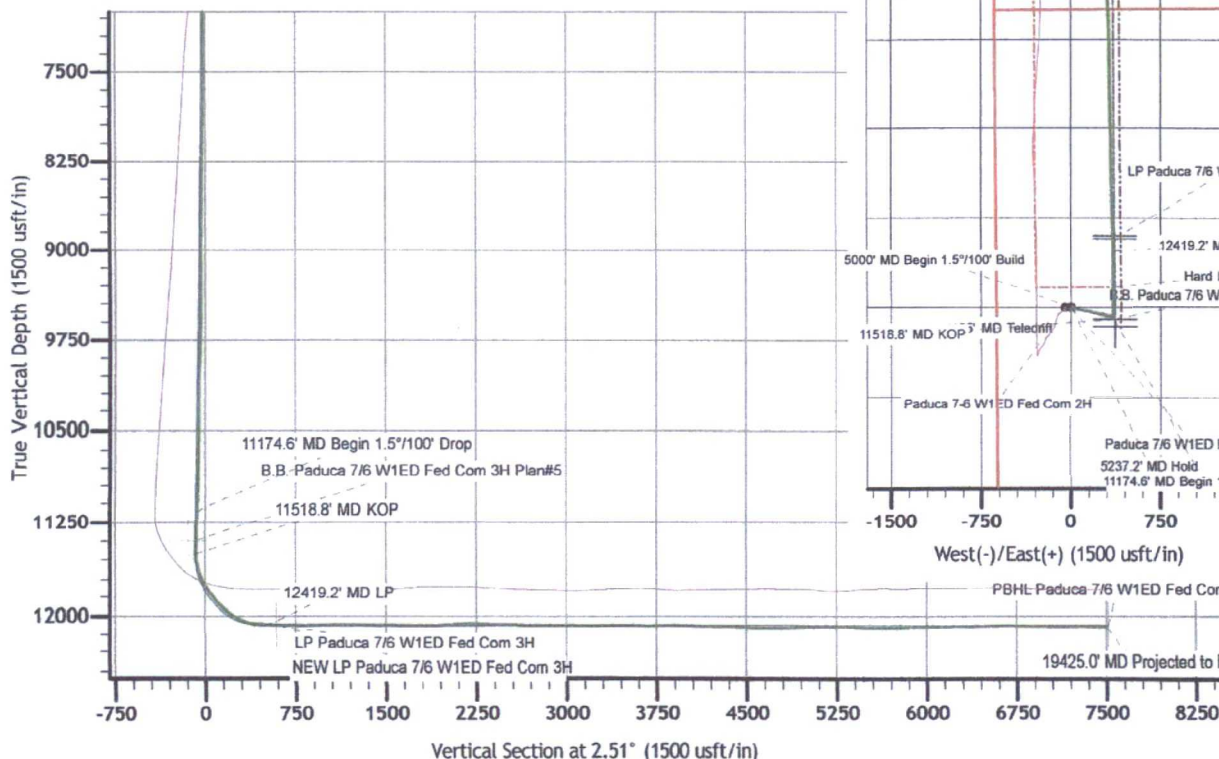
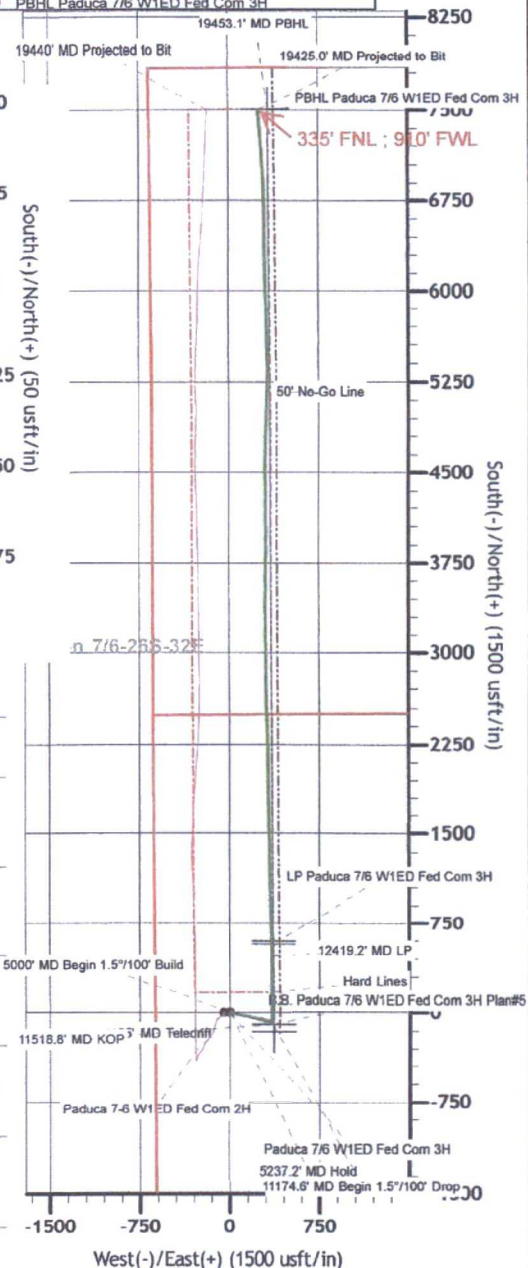
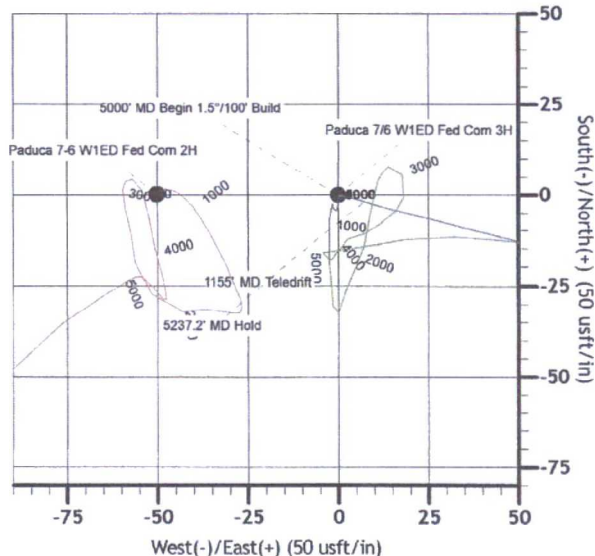


HOBBS OCD
MAR 19 2018
RECEIVED

GEODETIC ZONE: New Mexico East 3001 3248 + 27 @ 3275.0usft (Patterson #242) GROUND ELEVATION: 3248.0										
	+N/-S	+E/-W	North	East	Latitude	Longitude	Slot			
	0.0	0.0	385319.87	689827.94	32° 3' 28.362 N	103° 43' 14.140 W				
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5000.0	0.00	0.00	5000.0	0.0	0.0	0.00	0.00	0.0	
3	5237.2	3.56	104.74	5237.0	-1.9	7.1	1.50	104.74	-1.6	
4	11174.6	3.56	104.74	11163.0	-95.6	363.4	0.00	0.00	-79.6	
5	11411.7	0.00	0.00	11400.0	-97.5	370.6	1.50	180.00	-81.1	B.B. Paduca 7/6 W1ED Fed Com 3H Plan#5
6	11518.8	0.00	0.00	11507.0	-97.5	370.6	0.00	0.00	-81.1	
7	12419.2	90.04	359.69	12080.0	475.9	367.5	10.00	359.69	491.5	
8	19453.1	90.04	359.69	12075.0	7509.7	329.5	0.00	0.00	7516.9	PBHL Paduca 7/6 W1ED Fed Com 3H



SHL 2500 FNL; 620' FWL
Section 7-26S-32E
PBHL 330' FNL; 990' FWL
Section 6-26S-32E





Mewbourne Oil Company

Lea County N.M.

Section 7/6-26S-32E Paduca W1ED Fed Com 3H

Paduca 7/6 W1ED Fed Com 3H

Original Hole

Design: Original Hole

Standard Survey Report

22 September, 2017



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Paduca 7/6 W1ED Fed Com 3H
Project:	Lea County N.M.	TVD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Site:	Section 7/6-26S-32E Paduca W1ED Fed Com 3H	MD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Well:	Paduca 7/6 W1ED Fed Com 3H	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 7/6-26S-32E Paduca W1ED Fed Com 3H											
Site Position:			Northing:			385,319.87 usft			Latitude:			32° 3' 28.362 N					
From:		Map		Easting:			689,827.93 usft			Longitude:			103° 43' 14.140 W				
Position Uncertainty:			0.0 usft			Slot Radius:			13-3/16 "			Grid Convergence:			0.33 °		

Well	Paduca 7/6 W1ED Fed Com 3H					
Well Position	+N/-S	0.0 usft	Northing:	385,319.87 usft	Latitude:	32° 3' 28.362 N
	+E/-W	0.0 usft	Easting:	689,827.93 usft	Longitude:	103° 43' 14.140 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,275.0 usft	Ground Level:	3,248.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	6/22/2017	7.01	59.89	47,823.37106966

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	187.46

Survey Program	Date	9/22/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
199.0	1,155.0	Rig Teledrift Survey (Original Hole)	MWD	MWD v3:standard declination
1,328.0	19,425.0	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
199.0	0.10	152.00	199.0	-0.2	0.1	0.1	0.05	0.05	0.00
399.0	0.60	164.00	399.0	-1.3	0.5	1.2	0.25	0.25	6.00
599.0	1.30	211.00	599.0	-4.3	-0.4	4.3	0.50	0.35	23.50
765.0	1.70	0.00	764.9	-3.4	-1.4	3.6	1.74	0.24	89.76
965.0	3.10	189.00	964.9	-5.8	-2.2	6.0	2.39	0.70	-85.50
1,155.0	4.90	176.00	1,154.4	-19.0	-2.5	19.1	1.05	0.95	-6.84
1155' MD Teledrift									
1,328.0	2.80	172.70	1,327.0	-30.5	-1.4	30.5	1.22	-1.21	-1.91

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Paduca 7/6 W1ED Fed Com 3H
Project:	Lea County N.M.	TVD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Site:	Section 7/6-26S-32E Paduca W1ED Fed Com 3H	MD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Well:	Paduca 7/6 W1ED Fed Com 3H	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)
1,519.0	1.90	15.60	1,517.9	-32.1	0.0	31.8	2.41	-0.47	-82.25
1,709.0	2.10	24.00	1,707.8	-25.9	2.3	25.4	0.19	0.11	4.42
1,897.0	2.00	24.40	1,895.7	-19.8	5.0	18.9	0.05	-0.05	0.21
2,084.0	1.60	18.70	2,082.6	-14.3	7.2	13.3	0.23	-0.21	-3.05
2,271.0	1.60	4.10	2,269.5	-9.2	8.2	8.1	0.22	0.00	-7.81
2,458.0	1.30	15.60	2,456.5	-4.6	9.0	3.4	0.22	-0.16	6.15
2,645.0	2.60	12.20	2,643.4	1.6	10.5	-2.9	0.70	0.70	-1.82
2,832.0	2.00	52.10	2,830.2	7.8	13.9	-9.5	0.89	-0.32	21.34
3,019.0	2.60	163.00	3,017.1	5.7	17.8	-8.0	2.03	0.32	59.30
3,206.0	1.60	197.80	3,204.0	-0.8	18.2	-1.5	0.84	-0.53	18.61
3,394.0	1.20	235.70	3,392.0	-4.5	15.8	2.4	0.52	-0.21	20.16
3,581.0	2.30	224.40	3,578.9	-8.2	11.5	6.7	0.61	0.59	-6.04
3,768.0	1.20	264.90	3,765.8	-11.1	6.9	10.1	0.85	-0.59	21.66
3,955.0	1.50	242.00	3,952.7	-12.4	2.8	11.9	0.33	0.16	-12.25
4,141.0	2.00	206.20	4,138.7	-16.5	-0.7	16.4	0.63	0.27	-19.25
4,235.0	0.60	247.20	4,232.6	-18.1	-1.9	18.2	1.70	-1.49	43.62
4,326.0	0.40	326.30	4,323.6	-18.1	-2.5	18.2	0.72	-0.22	86.92
4,513.0	0.40	311.70	4,510.6	-17.1	-3.4	17.4	0.05	0.00	-7.81
4,700.0	0.20	332.00	4,697.6	-16.4	-4.0	16.7	0.12	-0.11	10.86
4,887.0	0.10	88.90	4,884.6	-16.1	-4.0	16.4	0.14	-0.05	62.51
5,074.0	0.00	104.90	5,071.6	-16.1	-3.9	16.4	0.05	-0.05	0.00
5,261.0	4.70	81.70	5,258.4	-15.0	3.7	14.3	2.51	2.51	0.00
5,448.0	4.50	80.30	5,444.8	-12.6	18.5	10.1	0.12	-0.11	-0.75
5,635.0	4.10	94.00	5,631.3	-11.8	32.4	7.5	0.59	-0.21	7.33
5,822.0	3.70	94.70	5,817.9	-12.8	45.1	6.8	0.22	-0.21	0.37
6,009.0	3.30	98.20	6,004.5	-14.1	56.5	6.6	0.24	-0.21	1.87
6,196.0	3.20	101.40	6,191.2	-15.9	66.9	7.0	0.11	-0.05	1.71
6,383.0	3.00	99.10	6,377.9	-17.7	76.9	7.5	0.13	-0.11	-1.23
6,570.0	2.90	103.50	6,564.7	-19.5	86.3	8.2	0.13	-0.05	2.35
6,757.0	2.80	111.30	6,751.5	-22.3	95.1	9.8	0.21	-0.05	4.17
6,944.0	3.60	97.20	6,938.2	-24.7	105.2	10.8	0.60	0.43	-7.54
7,131.0	3.30	94.70	7,124.8	-25.9	116.4	10.6	0.18	-0.16	-1.34
7,319.0	2.90	97.40	7,312.6	-26.9	126.5	10.3	0.23	-0.21	1.44
7,506.0	4.00	99.30	7,499.2	-28.6	137.6	10.5	0.59	0.59	1.02
7,693.0	3.70	100.00	7,685.8	-30.7	150.0	11.0	0.16	-0.16	0.37
7,880.0	3.60	100.00	7,872.4	-32.8	161.8	11.5	0.05	-0.05	0.00
8,067.0	4.40	109.20	8,059.0	-36.1	174.3	13.2	0.55	0.43	4.92
8,254.0	3.80	116.10	8,245.5	-41.2	186.6	16.7	0.41	-0.32	3.69
8,441.0	3.30	97.10	8,432.1	-44.6	197.6	18.6	0.68	-0.27	-10.16
8,628.0	3.10	94.40	8,618.8	-45.7	207.9	18.3	0.13	-0.11	-1.44
8,815.0	4.30	113.40	8,805.4	-48.9	219.4	20.0	0.91	0.64	10.16
9,002.0	4.00	99.10	8,992.0	-52.7	232.3	22.1	0.57	-0.16	-7.65

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Paduca 7/6 W1ED Fed Com 3H
Project:	Lea County N.M.	TVD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Site:	Section 7/6-26S-32E Paduca W1ED Fed Com 3H	MD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Well:	Paduca 7/6 W1ED Fed Com 3H	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)
9,189.0	2.90	75.60	9,178.6	-52.5	243.3	20.5	0.95	-0.59	-12.57
9,376.0	2.90	91.80	9,365.4	-51.5	252.6	18.3	0.44	0.00	8.66
9,563.0	4.20	101.30	9,552.0	-53.0	264.1	18.3	0.76	0.70	5.08
9,750.0	3.70	110.00	9,738.6	-56.4	276.4	20.0	0.42	-0.27	4.65
9,937.0	4.40	118.10	9,925.1	-61.8	288.4	23.9	0.48	0.37	4.33
10,124.0	3.70	115.50	10,111.7	-67.8	300.2	28.3	0.39	-0.37	-1.39
10,311.0	2.00	101.30	10,298.4	-71.0	308.9	30.4	0.98	-0.91	-7.59
10,498.0	3.60	87.60	10,485.2	-71.4	317.9	29.6	0.92	0.86	-7.33
10,685.0	3.70	104.90	10,671.8	-72.7	329.6	29.4	0.59	0.05	9.25
10,873.0	3.60	114.20	10,859.4	-76.7	340.9	31.8	0.32	-0.05	4.95
11,060.0	2.70	127.00	11,046.2	-81.8	349.7	35.7	0.61	-0.48	6.84
11,246.0	2.10	153.00	11,232.0	-87.5	354.8	40.7	0.66	-0.32	13.98
11,414.3	1.34	185.47	11,400.2	-92.2	356.0	45.2	0.72	-0.45	19.29
B.B. Paduca 7/6 W1ED Fed Com 3H Plan#5									
11,415.4	1.34	185.80	11,401.4	-92.2	356.0	45.2	0.72	-0.25	28.67
B.B. Paduca 7/6 W1ED Fed Com 3H New									
11,433.0	1.30	191.00	11,418.9	-92.6	355.9	45.6	0.72	-0.22	29.63
11,489.0	1.20	206.00	11,474.9	-93.7	355.6	46.8	0.61	-0.18	26.79
11,520.0	2.00	328.30	11,505.9	-93.6	355.1	46.7	9.13	2.58	394.52
11,551.0	6.60	346.80	11,536.8	-91.4	354.4	44.6	15.31	14.84	59.68
11,582.0	11.30	353.90	11,567.4	-86.6	353.7	40.0	15.55	15.16	22.90
11,613.0	15.20	357.10	11,597.6	-79.5	353.2	33.0	12.80	12.58	10.32
11,644.0	17.90	357.80	11,627.3	-70.7	352.8	24.3	8.73	8.71	2.26
11,675.0	20.30	357.90	11,656.6	-60.6	352.4	14.3	7.74	7.74	0.32
11,706.0	21.70	359.20	11,685.5	-49.5	352.1	3.4	4.76	4.52	4.19
11,738.0	23.90	359.90	11,715.0	-37.1	352.1	-8.9	6.93	6.88	2.19
11,769.0	27.40	359.90	11,743.0	-23.7	352.0	-22.2	11.29	11.29	0.00
11,800.0	31.60	359.60	11,769.9	-8.4	352.0	-37.3	13.56	13.55	-0.97
11,831.0	34.50	359.80	11,795.9	8.5	351.9	-54.1	9.36	9.35	0.65
11,862.0	37.50	0.80	11,821.0	26.7	352.0	-72.2	9.86	9.68	3.23
11,894.0	40.40	0.90	11,845.9	46.8	352.3	-92.2	9.06	9.06	0.31
11,925.0	42.40	0.30	11,869.1	67.3	352.5	-112.5	6.58	6.45	-1.94
11,956.0	43.80	359.50	11,891.8	88.5	352.4	-133.5	4.85	4.52	-2.58
11,987.0	46.40	359.00	11,913.7	110.5	352.2	-155.2	8.46	8.39	-1.61
12,018.0	49.90	358.80	11,934.3	133.6	351.7	-178.1	11.30	11.29	-0.65
12,049.0	53.40	359.10	11,953.6	157.9	351.3	-202.1	11.32	11.29	0.97
12,080.0	55.70	359.90	11,971.5	183.1	351.0	-227.1	7.71	7.42	2.58
12,112.0	58.70	1.20	11,988.9	210.0	351.3	-253.8	9.98	9.38	4.06
12,143.0	61.90	2.20	12,004.2	236.9	352.1	-280.6	10.70	10.32	3.23
12,174.0	64.60	2.00	12,018.2	264.6	353.1	-308.2	8.73	8.71	-0.65
12,205.0	67.20	1.50	12,030.8	292.9	354.0	-336.3	8.52	8.39	-1.61
12,236.0	69.90	0.40	12,042.2	321.7	354.5	-365.0	9.31	8.71	-3.55
12,267.0	76.10	359.60	12,051.2	351.3	354.5	-394.4	20.15	20.00	-2.58

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Paduca 7/6 W1ED Fed Com 3H
Project:	Lea County N.M.	TVD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Site:	Section 7/6-26S-32E Paduca W1ED Fed Com 3H	MD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Well:	Paduca 7/6 W1ED Fed Com 3H	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)
12,277.0	78.20	359.10	12,053.5	361.1	354.4	-404.0	21.56	21.00	-5.00
12,323.0	82.30	358.90	12,061.3	406.4	353.6	-448.8	8.92	8.91	-0.43
12,417.0	87.60	358.60	12,069.5	500.0	351.5	-541.4	5.65	5.64	-0.32
12,492.4	88.98	358.84	12,071.8	575.4	349.8	-615.9	1.86	1.83	0.32
LP Paduca 7/6 W1ED Fed Com 3H									
12,510.0	89.30	358.90	12,072.0	592.9	349.5	-633.3	1.86	1.83	0.32
12,517.4	89.25	358.93	12,072.1	600.4	349.4	-640.6	0.77	-0.64	0.43
NEW LP Paduca 7/6 W1ED Fed Com 3H									
12,604.0	88.70	359.30	12,073.7	686.9	348.0	-726.2	0.77	-0.64	0.43
12,697.0	89.90	358.70	12,074.8	779.9	346.4	-818.2	1.44	1.29	-0.65
12,791.0	90.70	359.00	12,074.3	873.8	344.5	-911.2	0.91	0.85	0.32
12,884.0	92.70	359.80	12,071.6	966.8	343.5	-1,003.2	2.32	2.15	0.86
12,978.0	90.20	359.00	12,069.2	1,060.8	342.5	-1,096.2	2.79	-2.66	-0.85
13,071.0	89.90	358.70	12,069.1	1,153.7	340.7	-1,188.2	0.46	-0.32	-0.32
13,165.0	89.20	358.90	12,069.8	1,247.7	338.7	-1,281.1	0.77	-0.74	0.21
13,258.0	87.60	359.10	12,072.4	1,340.7	337.1	-1,373.1	1.73	-1.72	0.22
13,352.0	90.90	359.60	12,073.7	1,434.6	336.0	-1,466.1	3.55	3.51	0.53
13,446.0	89.40	359.20	12,073.4	1,528.6	335.0	-1,559.2	1.65	-1.60	-0.43
13,539.0	88.50	357.90	12,075.1	1,621.6	332.7	-1,651.0	1.70	-0.97	-1.40
13,633.0	90.10	357.90	12,076.3	1,715.5	329.2	-1,743.7	1.70	1.70	0.00
13,726.0	88.70	358.10	12,077.3	1,808.4	326.0	-1,835.4	1.52	-1.51	0.22
13,820.0	92.70	358.70	12,076.1	1,902.4	323.4	-1,928.2	4.30	4.26	0.64
13,914.0	94.70	0.30	12,070.0	1,996.2	322.6	-2,021.1	2.72	2.13	1.70
14,007.0	93.40	0.60	12,063.5	2,088.9	323.3	-2,113.2	1.43	-1.40	0.32
14,101.0	89.70	359.20	12,060.9	2,182.9	323.1	-2,206.3	4.21	-3.94	-1.49
14,195.0	87.30	359.00	12,063.4	2,276.8	321.6	-2,299.3	2.56	-2.55	-0.21
14,289.0	87.60	356.90	12,067.6	2,370.7	318.3	-2,391.9	2.25	0.32	-2.23
14,383.0	91.70	358.00	12,068.1	2,464.5	314.1	-2,484.5	4.52	4.36	1.17
14,476.0	85.50	357.40	12,070.4	2,557.4	310.4	-2,576.1	6.70	-6.67	-0.65
14,569.0	88.80	358.90	12,075.0	2,650.2	307.4	-2,667.7	3.90	3.55	1.61
14,663.0	88.70	359.70	12,077.1	2,744.2	306.2	-2,760.7	0.86	-0.11	0.85
14,756.0	91.40	2.00	12,077.0	2,837.2	307.6	-2,853.1	3.81	2.90	2.47
14,850.0	90.90	358.80	12,075.1	2,931.1	308.3	-2,946.4	3.44	-0.53	-3.40
14,943.0	89.40	0.70	12,074.9	3,024.1	307.9	-3,038.5	2.60	-1.61	2.04
15,037.0	85.90	357.60	12,078.7	3,118.0	306.5	-3,131.4	4.97	-3.72	-3.30
15,130.0	90.30	359.60	12,081.8	3,210.9	304.2	-3,223.2	5.20	4.73	2.15
15,224.0	92.40	0.00	12,079.6	3,304.9	303.9	-3,316.4	2.27	2.23	0.43
15,318.0	91.00	1.40	12,076.8	3,398.8	305.0	-3,409.7	2.11	-1.49	1.49
15,411.0	90.20	0.70	12,075.8	3,491.8	306.7	-3,502.1	1.14	-0.86	-0.75
15,505.0	87.10	359.70	12,078.1	3,585.8	307.1	-3,595.3	3.47	-3.30	-1.06
15,601.0	88.10	0.40	12,082.1	3,681.7	307.1	-3,690.4	1.27	1.04	0.73
15,697.0	94.20	1.00	12,080.1	3,777.6	308.3	-3,785.7	6.38	6.35	0.63
15,792.0	90.10	0.40	12,076.6	3,872.5	309.5	-3,879.9	4.36	-4.32	-0.63

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Paduca 7/6 W1ED Fed Com 3H
Project:	Lea County N.M.	TVD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Site:	Section 7/6-26S-32E Paduca W1ED Fed Com 3H	MD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Well:	Paduca 7/6 W1ED Fed Com 3H	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)
15,888.0	87.50	359.70	12,078.6	3,968.5	309.6	-3,975.1	2.80	-2.71	-0.73
15,984.0	88.00	0.10	12,082.4	4,064.4	309.4	-4,070.2	0.67	0.52	0.42
16,080.0	87.50	359.70	12,086.1	4,160.3	309.2	-4,165.3	0.67	-0.52	-0.42
16,175.0	88.90	358.30	12,089.1	4,255.3	307.6	-4,259.2	2.08	1.47	-1.47
16,271.0	91.10	359.90	12,089.1	4,351.2	306.1	-4,354.2	2.83	2.29	1.67
16,366.0	86.10	0.30	12,091.4	4,446.2	306.2	-4,448.3	5.28	-5.26	0.42
16,462.0	86.30	359.20	12,097.8	4,542.0	305.8	-4,543.2	1.16	0.21	-1.15
16,557.0	91.60	1.10	12,099.5	4,636.9	306.0	-4,637.4	5.93	5.58	2.00
16,653.0	89.30	1.10	12,098.8	4,732.9	307.9	-4,732.8	2.40	-2.40	0.00
16,748.0	91.80	2.10	12,097.9	4,827.8	310.5	-4,827.3	2.83	2.63	1.05
16,843.0	92.20	1.90	12,094.6	4,922.7	313.9	-4,921.8	0.47	0.42	-0.21
16,939.0	91.70	2.10	12,091.3	5,018.6	317.2	-5,017.3	0.56	-0.52	0.21
17,034.0	91.10	1.50	12,089.0	5,113.5	320.2	-5,111.8	0.89	-0.63	-0.63
17,129.0	89.80	1.60	12,088.2	5,208.5	322.8	-5,206.3	1.37	-1.37	0.11
17,225.0	88.80	1.50	12,089.4	5,304.4	325.4	-5,301.8	1.05	-1.04	-0.10
17,320.0	85.50	359.10	12,094.1	5,399.3	325.9	-5,395.9	4.29	-3.47	-2.53
17,416.0	88.00	357.20	12,099.6	5,495.1	322.8	-5,490.5	3.27	2.60	-1.98
17,511.0	91.80	358.40	12,099.7	5,590.0	319.1	-5,584.1	4.19	4.00	1.26
17,606.0	90.00	358.50	12,098.2	5,684.9	316.5	-5,678.0	1.90	-1.89	0.11
17,701.0	91.30	359.30	12,097.2	5,779.9	314.7	-5,771.9	1.61	1.37	0.84
17,797.0	91.40	359.90	12,094.9	5,875.9	314.0	-5,867.0	0.63	0.10	0.63
17,892.0	90.00	359.20	12,093.7	5,970.9	313.3	-5,961.0	1.65	-1.47	-0.74
17,988.0	92.10	358.30	12,092.0	6,066.8	311.2	-6,055.9	2.38	2.19	-0.94
18,083.0	92.10	358.90	12,088.5	6,161.7	308.9	-6,149.7	0.63	0.00	0.63
18,179.0	89.10	356.90	12,087.5	6,257.7	305.4	-6,244.4	3.76	-3.13	-2.08
18,274.0	90.00	358.00	12,088.2	6,352.6	301.1	-6,337.9	1.50	0.95	1.16
18,369.0	93.10	0.50	12,085.7	6,447.5	299.9	-6,431.9	4.19	3.26	2.63
18,465.0	90.90	0.00	12,082.3	6,543.4	300.3	-6,527.1	2.35	-2.29	-0.52
18,560.0	89.90	359.10	12,081.7	6,638.4	299.6	-6,621.2	1.42	-1.05	-0.95
18,655.0	89.60	359.10	12,082.1	6,733.4	298.1	-6,715.2	0.32	-0.32	0.00
18,751.0	88.40	358.90	12,083.7	6,829.4	296.4	-6,810.1	1.27	-1.25	-0.21
18,846.0	90.00	357.40	12,085.1	6,924.3	293.3	-6,903.8	2.31	1.68	-1.58
18,941.0	87.90	355.20	12,086.8	7,019.1	287.2	-6,997.0	3.20	-2.21	-2.32
19,036.0	89.70	355.50	12,088.8	7,113.8	279.5	-7,089.9	1.92	1.89	0.32
19,131.0	90.90	356.00	12,088.3	7,208.5	272.5	-7,182.9	1.37	1.26	0.53
19,226.0	89.50	355.70	12,088.0	7,303.2	265.6	-7,275.9	1.51	-1.47	-0.32
19,322.0	88.30	355.90	12,089.8	7,399.0	258.6	-7,369.9	1.27	-1.25	0.21
19,371.0	87.80	355.70	12,091.5	7,447.8	255.0	-7,417.9	1.10	-1.02	-0.41
19,425.0	87.80	355.70	12,093.6	7,501.6	250.9	-7,470.7	0.00	0.00	0.00
19425.0' MD Projected to Bit - PBHL Paduca 7/6 W1ED Fed Com 3H									

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Paduca 7/6 W1ED Fed Com 3H
Project:	Lea County N.M.	TVD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Site:	Section 7/6-26S-32E Paduca W1ED Fed Com 3H	MD Reference:	3248 + 27 @ 3275.0usft (Patterson #242)
Well:	Paduca 7/6 W1ED Fed Com 3H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,155.0	1,154.4	-19.0	-2.5	1155' MD Teledrift
19,425.0	12,093.6	7,501.6	250.9	19425.0' MD Projected to Bit



September 1, 2017

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
Paduca 7/6 W1ED Federal Com #002H
Wolfcamp A Sand (W1)
Lea County, New Mexico
API# 30-025-43216

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>
David Calabrese	Original Hole	1,329ft. to 19,386ft.	07-21-17 to 08-19-17	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\Paduca 7/6 W1ED Federal Com#2H\M171053

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



September 1, 2017

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 July 21, 2017, through August 19, 2017 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,329 feet to a depth of 19,386 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 Paduca 7/6 W1ED Federal Com #002H well, API # **30-025-43216** in Lea 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.

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