



HOBBS OCD
FEB 16 2017
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Mewbourne Oil Company

Lea County N.M.

Section 3-34-26S-32E Jennings 34 W1MD Fed Com 1H
Jennings 34 W1MD Fed Com 1H

Original Hole

Design: Original Hole

Standard Survey Report

30 November, 2016



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Jennings 34 W1MD Fed Com 1H
Project:	Lea County N.M.	TVD Reference:	3317 + 27 @ 3344.0usft (Patterson 231)
Site:	Section 3-34-26S-32E Jennings 34 W1MD Fed Com 1H	MD Reference:	3317 + 27 @ 3344.0usft (Patterson 231)
Well:	Jennings 34 W1MD Fed Com 1H	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 3-34-26S-32E Jennings 34 W1MD Fed Com 1H				
Site Position:		Northing:	392,999.90 usft	Latitude:	32° 4' 43.403 N
From:	Map	Easting:	706,211.60 usft	Longitude:	103° 40' 3.217 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.35 °

Well	Jennings 34 W1MD Fed Com 1H					
Well Position	+N/-S	0.0 usft	Northing:	392,999.90 usft	Latitude:	32° 4' 43.403 N
	+E/-W	0.0 usft	Easting:	706,211.60 usft	Longitude:	103° 40' 3.217 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft	Ground Level:	3,317.0 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/3/2016	7.05	59.92	47,905.79662370

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	227.25	

Survey Program	Date 11/30/2016				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	11,280.0	VES Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	
11,365.0	17,200.0	MWD Curve & Lateral 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	0.51	147.98	100.0	-0.4	0.2	0.1	0.51	0.51	0.00
200.0	0.96	190.23	200.0	-1.6	0.3	0.8	0.68	0.45	42.25
300.0	0.48	144.35	300.0	-2.7	0.4	1.6	0.71	-0.48	-45.88
400.0	0.59	216.42	400.0	-3.5	0.4	2.1	0.64	0.11	72.07
500.0	0.99	201.21	500.0	-4.7	-0.3	3.4	0.45	0.40	-15.21
600.0	2.13	214.74	599.9	-7.1	-1.6	6.0	1.19	1.14	13.53
700.0	3.25	210.09	699.8	-11.0	-4.1	10.5	1.14	1.12	-4.65
800.0	5.66	219.79	799.5	-17.3	-8.7	18.1	2.52	2.41	9.70

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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)
900.0	6.65	218.55	898.9	-25.6	-15.5	28.7	1.00	0.99	-1.24
1,000.0	6.67	216.28	998.3	-34.8	-22.5	40.1	0.26	0.02	-2.27
1,100.0	6.57	216.94	1,097.6	-44.1	-29.4	51.5	0.13	-0.10	0.66
1,200.0	6.50	219.31	1,196.9	-53.0	-36.4	62.7	0.28	-0.07	2.37
1,300.0	3.07	202.42	1,296.6	-59.9	-41.0	70.7	3.67	-3.43	-16.89
1,400.0	2.34	204.81	1,396.5	-64.2	-42.9	75.1	0.74	-0.73	2.39
1,500.0	0.63	243.73	1,496.4	-66.3	-44.2	77.5	1.89	-1.71	38.92
1,600.0	0.65	104.70	1,596.4	-66.7	-44.2	77.7	1.20	0.02	-139.03
1,700.0	1.04	340.97	1,696.4	-66.0	-43.9	77.0	1.50	0.39	-123.73
1,800.0	1.11	324.74	1,796.4	-64.3	-44.8	76.5	0.31	0.07	-16.23
1,900.0	1.17	323.98	1,896.4	-62.7	-45.9	76.3	0.06	0.06	-0.76
2,000.0	1.10	323.88	1,996.4	-61.1	-47.1	76.1	0.07	-0.07	-0.10
2,100.0	1.09	308.37	2,096.4	-59.7	-48.4	76.1	0.30	-0.01	-15.51
2,200.0	1.47	323.45	2,196.3	-58.1	-49.9	76.1	0.50	0.38	15.08
2,300.0	1.43	326.00	2,296.3	-56.0	-51.4	75.8	0.08	-0.04	2.55
2,400.0	1.73	275.90	2,396.3	-54.9	-53.6	76.6	1.37	0.30	-50.10
2,500.0	1.64	238.54	2,496.2	-55.4	-56.3	79.0	1.08	-0.09	-37.36
2,600.0	1.55	267.87	2,596.2	-56.2	-58.9	81.4	0.81	-0.09	29.33
2,700.0	1.40	297.13	2,696.2	-55.7	-61.3	82.9	0.76	-0.15	29.26
2,800.0	1.91	273.59	2,796.1	-55.1	-64.1	84.4	0.84	0.51	-23.54
2,900.0	1.74	241.73	2,896.1	-55.7	-67.1	87.1	1.01	-0.17	-31.86
3,000.0	1.78	225.99	2,996.0	-57.5	-69.5	90.1	0.48	0.04	-15.74
3,100.0	1.94	197.75	3,096.0	-60.2	-71.2	93.1	0.92	0.16	-28.24
3,200.0	0.84	147.62	3,195.9	-62.4	-71.3	94.7	1.54	-1.10	-50.13
3,300.0	1.35	95.99	3,295.9	-63.2	-69.7	94.1	1.06	0.51	-51.63
3,400.0	1.88	77.87	3,395.9	-62.9	-66.9	91.9	0.73	0.53	-18.12
3,500.0	2.22	60.25	3,495.8	-61.6	-63.7	88.6	0.71	0.34	-17.62
3,600.0	1.14	86.82	3,595.8	-60.6	-61.0	85.9	1.30	-1.08	26.57
3,700.0	0.78	210.52	3,695.8	-61.1	-60.3	85.8	1.70	-0.36	123.70
3,800.0	0.95	187.41	3,795.8	-62.5	-60.8	87.1	0.38	0.17	-23.11
3,900.0	0.63	135.76	3,895.8	-63.8	-60.5	87.7	0.75	-0.32	-51.65
4,000.0	1.09	113.05	3,995.7	-64.5	-59.3	87.3	0.56	0.46	-22.71
4,100.0	2.18	109.16	4,095.7	-65.5	-56.6	86.0	1.10	1.09	-3.89
4,200.0	2.24	132.55	4,195.6	-67.5	-53.3	85.0	0.90	0.06	23.39
4,300.0	0.62	166.75	4,295.6	-69.3	-51.8	85.1	1.76	-1.62	34.20
4,400.0	0.97	117.12	4,395.6	-70.2	-50.9	85.1	0.74	0.35	-49.63
4,500.0	1.46	114.92	4,495.6	-71.2	-49.0	84.3	0.49	0.49	-2.20
4,600.0	1.20	113.52	4,595.5	-72.1	-46.9	83.4	0.26	-0.26	-1.40
4,700.0	1.06	127.58	4,695.5	-73.1	-45.2	82.8	0.31	-0.14	14.06
4,800.0	0.89	121.98	4,795.5	-74.1	-43.8	82.4	0.19	-0.17	-5.60
4,900.0	0.71	136.81	4,895.5	-74.9	-42.7	82.2	0.27	-0.18	14.83
5,000.0	0.55	99.23	4,995.5	-75.5	-41.8	81.9	0.43	-0.16	-37.58

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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)
5,100.0	0.43	181.23	5,095.5	-75.9	-41.3	81.9	0.65	-0.12	82.00
5,200.0	0.45	123.59	5,195.5	-76.5	-41.0	82.1	0.42	0.02	-57.64
5,300.0	0.18	181.38	5,295.5	-76.9	-40.7	82.1	0.39	-0.27	57.79
5,400.0	0.23	145.19	5,395.5	-77.2	-40.6	82.2	0.14	0.05	-36.19
5,500.0	0.23	108.69	5,495.5	-77.4	-40.3	82.1	0.14	0.00	-36.50
5,600.0	0.19	162.94	5,595.5	-77.7	-40.1	82.1	0.19	-0.04	54.25
5,700.0	0.32	228.36	5,695.5	-78.0	-40.2	82.5	0.30	0.13	65.42
5,800.0	0.24	91.34	5,795.5	-78.2	-40.2	82.6	0.52	-0.08	-137.02
5,900.0	0.52	275.83	5,895.5	-78.1	-40.5	82.8	0.76	0.28	-175.51
6,000.0	0.52	264.52	5,995.5	-78.1	-41.4	83.4	0.10	0.00	-11.31
6,100.0	0.43	238.48	6,095.5	-78.4	-42.1	84.1	0.23	-0.09	-26.04
6,200.0	0.66	270.53	6,195.5	-78.6	-43.0	84.9	0.37	0.23	32.05
6,300.0	0.25	260.15	6,295.5	-78.6	-43.8	85.5	0.42	-0.41	-10.38
6,400.0	0.34	241.28	6,395.5	-78.8	-44.3	86.0	0.13	0.09	-18.87
6,500.0	0.23	296.34	6,495.5	-78.8	-44.7	86.4	0.28	-0.11	55.06
6,600.0	0.25	215.73	6,595.5	-78.9	-45.0	86.6	0.31	0.02	-80.61
6,700.0	0.13	206.97	6,695.5	-79.2	-45.2	87.0	0.12	-0.12	-8.76
6,800.0	0.39	240.14	6,795.5	-79.5	-45.6	87.4	0.29	0.26	33.17
6,900.0	0.55	240.33	6,895.4	-79.9	-46.3	88.2	0.16	0.16	0.19
7,000.0	0.35	256.24	6,995.4	-80.2	-47.0	88.9	0.23	-0.20	15.91
7,100.0	0.39	255.65	7,095.4	-80.4	-47.6	89.5	0.04	0.04	-0.59
7,200.0	0.35	246.92	7,195.4	-80.6	-48.2	90.1	0.07	-0.04	-8.73
7,300.0	0.24	65.18	7,295.4	-80.6	-48.3	90.2	0.59	-0.11	178.26
7,400.0	0.43	65.83	7,395.4	-80.3	-47.8	89.6	0.19	0.19	0.65
7,500.0	1.44	112.73	7,495.4	-80.7	-46.3	88.7	1.19	1.01	46.90
7,600.0	0.68	92.62	7,595.4	-81.2	-44.5	87.8	0.83	-0.76	-20.11
7,700.0	0.33	83.20	7,695.4	-81.2	-43.7	87.2	0.36	-0.35	-9.42
7,800.0	0.33	75.47	7,795.4	-81.1	-43.1	86.7	0.04	0.00	-7.73
7,900.0	0.45	100.62	7,895.4	-81.1	-42.4	86.2	0.21	0.12	25.15
8,000.0	0.53	127.94	7,995.4	-81.4	-41.7	85.9	0.24	0.08	27.32
8,100.0	0.70	111.23	8,095.4	-81.9	-40.7	85.5	0.25	0.17	-16.71
8,200.0	0.38	107.97	8,195.4	-82.3	-39.9	85.1	0.32	-0.32	-3.26
8,300.0	0.40	127.64	8,295.4	-82.6	-39.3	84.9	0.13	0.02	19.67
8,400.0	1.05	17.95	8,395.4	-81.9	-38.7	84.0	1.24	0.65	-109.69
8,500.0	2.13	324.41	8,495.3	-79.5	-39.5	83.0	1.73	1.08	-53.54
8,600.0	2.33	9.17	8,595.3	-76.0	-40.3	81.2	1.71	0.20	44.76
8,700.0	2.51	14.11	8,695.2	-71.9	-39.4	77.7	0.28	0.18	4.94
8,800.0	1.43	99.10	8,795.1	-70.0	-37.6	75.1	2.78	-1.08	84.99
8,900.0	0.97	0.39	8,895.1	-69.3	-36.4	73.8	1.85	-0.46	-98.71
9,000.0	0.50	297.41	8,995.1	-68.3	-36.8	73.3	0.87	-0.47	-62.98
9,100.0	0.68	14.00	9,095.1	-67.5	-37.0	73.0	0.74	0.18	76.59
9,200.0	1.18	358.06	9,195.1	-65.9	-36.9	71.8	0.56	0.50	-15.94
9,300.0	1.11	19.85	9,295.1	-63.9	-36.6	70.3	0.44	-0.07	21.79

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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)
9,400.0	0.61	27.85	9,395.1	-62.6	-36.0	68.9	0.51	-0.50	8.00
9,500.0	1.51	94.68	9,495.1	-62.2	-34.5	67.5	1.39	0.90	66.83
9,600.0	2.25	116.60	9,595.0	-63.2	-31.4	66.0	1.02	0.74	21.92
9,700.0	3.03	128.85	9,694.9	-65.7	-27.6	64.9	0.96	0.78	12.25
9,800.0	3.12	118.47	9,794.8	-68.7	-23.1	63.6	0.56	0.09	-10.38
9,900.0	2.33	187.84	9,894.7	-72.0	-21.0	64.3	3.17	-0.79	69.37
10,000.0	1.49	162.43	9,994.6	-75.2	-20.9	66.4	1.17	-0.84	-25.41
10,100.0	2.52	205.76	10,094.6	-78.5	-21.5	69.0	1.76	1.03	43.33
10,200.0	2.21	212.94	10,194.5	-82.1	-23.5	72.9	0.43	-0.31	7.18
10,300.0	1.45	171.46	10,294.4	-84.9	-24.3	75.5	1.48	-0.76	-41.48
10,400.0	2.26	230.75	10,394.4	-87.4	-25.7	78.2	1.97	0.81	59.29
10,500.0	2.16	239.80	10,494.3	-89.6	-28.8	82.0	0.36	-0.10	9.05
10,600.0	2.79	218.44	10,594.2	-92.5	-32.0	86.3	1.11	0.63	-21.36
10,700.0	3.60	219.86	10,694.1	-96.8	-35.5	91.8	0.81	0.81	1.42
10,800.0	3.73	221.97	10,793.8	-101.6	-39.7	98.1	0.19	0.13	2.11
10,900.0	3.10	205.52	10,893.7	-106.5	-43.0	103.9	1.16	-0.63	-16.45
11,000.0	3.26	179.04	10,993.5	-111.8	-44.2	108.3	1.46	0.16	-26.48
11,100.0	2.04	181.37	11,093.4	-116.4	-44.1	111.4	1.22	-1.22	2.33
11,200.0	0.51	244.33	11,193.4	-118.4	-44.6	113.1	1.86	-1.53	62.96
11,280.0	0.54	258.67	11,273.4	-118.6	-45.3	113.7	0.17	0.04	17.93
11,365.0	1.20	270.20	11,358.4	-118.7	-46.6	114.7	0.80	0.78	13.56
11,460.0	2.90	306.20	11,453.3	-117.2	-49.5	115.9	2.16	1.79	37.89
11,492.0	7.30	329.70	11,485.2	-115.0	-51.2	115.6	14.94	13.75	73.44
11,524.0	10.40	346.60	11,516.8	-110.4	-52.9	113.8	12.55	9.69	52.81
11,555.0	13.50	351.80	11,547.1	-104.1	-54.0	110.4	10.58	10.00	16.77
11,586.0	15.20	352.80	11,577.2	-96.5	-55.1	106.0	5.54	5.48	3.23
11,618.0	16.50	351.80	11,607.9	-87.9	-56.2	100.9	4.15	4.06	-3.13
11,650.0	18.20	349.30	11,638.5	-78.5	-57.8	95.7	5.80	5.31	-7.81
11,681.0	20.80	348.10	11,667.7	-68.3	-59.8	90.3	8.49	8.39	-3.87
11,713.0	22.00	347.00	11,697.5	-56.9	-62.4	84.4	3.95	3.75	-3.44
11,744.0	23.80	347.80	11,726.1	-45.1	-65.0	78.4	5.89	5.81	2.58
11,776.0	27.90	350.40	11,754.8	-31.4	-67.6	71.0	13.29	12.81	8.13
11,808.0	32.00	351.90	11,782.6	-15.7	-70.1	62.1	13.02	12.81	4.69
11,839.0	36.40	352.40	11,808.2	1.6	-72.4	52.1	14.22	14.19	1.61
11,871.0	38.90	351.40	11,833.5	21.0	-75.2	41.0	8.04	7.81	-3.13
11,903.0	40.50	350.10	11,858.2	41.1	-78.5	29.7	5.63	5.00	-4.06
11,935.0	42.30	348.70	11,882.2	61.9	-82.4	18.5	6.33	5.63	-4.38
11,967.0	45.10	350.70	11,905.3	83.7	-86.3	6.6	9.76	8.75	6.25
11,998.0	47.40	353.40	11,926.7	105.8	-89.4	-6.2	9.73	7.42	8.71
12,030.0	51.80	354.40	11,947.5	130.1	-92.0	-20.7	13.95	13.75	3.13
12,062.0	54.20	354.60	11,966.7	155.5	-94.4	-36.2	7.52	7.50	0.63
12,093.0	55.90	355.50	11,984.5	180.8	-96.6	-51.8	5.98	5.48	2.90

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Jennings 34 W1MD Fed Com 1H
Project:	Lea County N.M.	TVD Reference:	3317 + 27 @ 3344.0usft (Patterson 231)
Site:	Section 3-34-26S-32E Jennings 34 W1MD Fed Com 1H	MD Reference:	3317 + 27 @ 3344.0usft (Patterson 231)
Well:	Jennings 34 W1MD Fed Com 1H	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)
12,125.0	56.90	356.70	12,002.2	207.4	-98.4	-68.5	4.42	3.13	3.75
12,156.0	58.50	356.90	12,018.8	233.6	-99.9	-85.2	5.19	5.16	0.65
12,187.0	62.40	356.70	12,034.0	260.5	-101.4	-102.3	12.59	12.58	-0.65
12,219.0	65.10	356.80	12,048.2	289.1	-103.0	-120.6	8.44	8.44	0.31
12,251.0	67.40	356.40	12,061.1	318.4	-104.8	-139.2	7.28	7.19	-1.25
12,283.0	68.50	356.40	12,073.1	348.0	-106.6	-157.9	3.44	3.44	0.00
12,315.0	69.20	356.60	12,084.6	377.8	-108.5	-176.8	2.26	2.19	0.63
12,346.0	72.30	355.70	12,094.9	407.0	-110.4	-195.1	10.37	10.00	-2.90
12,378.0	73.30	355.10	12,104.3	437.4	-112.9	-214.0	3.60	3.13	-1.88
12,389.0	73.50	354.80	12,107.5	447.9	-113.8	-220.5	3.18	1.82	-2.73
12,471.0	79.50	352.10	12,126.6	527.1	-122.9	-267.5	7.99	7.32	-3.29
12,503.0	82.70	352.50	12,131.6	558.4	-127.1	-285.7	10.08	10.00	1.25
12,534.0	84.80	353.10	12,134.9	589.0	-131.0	-303.6	7.04	6.77	1.94
12,566.0	86.80	354.50	12,137.3	620.7	-134.5	-322.6	7.62	6.25	4.38
12,598.0	88.90	355.50	12,138.5	652.6	-137.2	-342.2	7.27	6.56	3.13
12,693.0	85.70	355.50	12,142.9	747.2	-144.7	-400.9	3.37	-3.37	0.00
12,788.0	91.70	359.10	12,145.1	842.0	-149.2	-462.0	7.36	6.32	3.79
12,883.0	91.60	359.80	12,142.4	936.9	-150.1	-525.8	0.74	-0.11	0.74
12,978.0	91.30	0.30	12,140.0	1,031.9	-150.0	-590.3	0.61	-0.32	0.53
13,073.0	90.60	0.40	12,138.4	1,126.9	-149.4	-655.2	0.74	-0.74	0.11
13,169.0	91.00	358.70	12,137.0	1,222.9	-150.2	-719.8	1.82	0.42	-1.77
13,262.0	88.70	359.20	12,137.3	1,315.9	-151.9	-781.6	2.53	-2.47	0.54
13,357.0	89.40	356.20	12,138.9	1,410.8	-155.7	-843.2	3.24	0.74	-3.16
13,453.0	91.50	354.90	12,138.1	1,506.5	-163.1	-902.7	2.57	2.19	-1.35
13,548.0	89.20	353.40	12,137.5	1,600.9	-172.8	-959.8	2.89	-2.42	-1.58
13,643.0	91.20	355.10	12,137.2	1,695.5	-182.3	-1,016.9	2.76	2.11	1.79
13,738.0	89.50	0.00	12,136.6	1,790.3	-186.4	-1,078.3	5.46	-1.79	5.16
13,834.0	90.50	354.00	12,136.6	1,886.2	-191.4	-1,139.7	6.34	1.04	-6.25
13,929.0	89.20	352.40	12,136.9	1,980.5	-202.6	-1,195.5	2.17	-1.37	-1.68
14,023.0	88.70	346.60	12,138.6	2,072.9	-219.8	-1,245.6	6.19	-0.53	-6.17
14,055.0	88.60	347.50	12,139.3	2,104.0	-226.9	-1,261.5	2.83	-0.31	2.81
14,087.0	89.20	348.30	12,140.0	2,135.3	-233.6	-1,277.8	3.12	1.88	2.50
14,119.0	91.60	347.80	12,139.7	2,166.6	-240.3	-1,294.2	7.66	7.50	-1.56
14,150.0	96.20	349.00	12,137.6	2,196.9	-246.5	-1,310.2	15.33	14.84	3.87
14,182.0	98.10	350.50	12,133.6	2,228.2	-252.1	-1,327.2	7.54	5.94	4.69
14,214.0	99.10	354.20	12,128.9	2,259.5	-256.3	-1,345.4	11.85	3.13	11.56
14,245.0	99.10	358.20	12,124.0	2,290.0	-258.4	-1,364.6	12.74	0.00	12.90
14,277.0	97.10	0.60	12,119.4	2,321.7	-258.7	-1,385.9	9.71	-6.25	7.50
14,308.0	95.30	0.30	12,116.1	2,352.5	-258.5	-1,407.0	5.89	-5.81	-0.97
14,340.0	92.90	0.50	12,113.8	2,384.4	-258.2	-1,428.8	7.53	-7.50	0.63
14,372.0	90.80	0.20	12,112.8	2,416.4	-258.0	-1,450.7	6.63	-6.56	-0.94
14,436.0	91.20	0.30	12,111.7	2,480.4	-257.8	-1,494.3	0.64	0.63	0.16
14,530.0	94.70	1.70	12,106.8	2,574.3	-256.1	-1,559.2	4.01	3.72	1.49

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Jennings 34 W1MD Fed Com 1H
Project:	Lea County N.M.	TVD Reference:	3317 + 27 @ 3344.0usft (Patterson 231)
Site:	Section 3-34-26S-32E Jennings 34 W1MD Fed Com 1H	MD Reference:	3317 + 27 @ 3344.0usft (Patterson 231)
Well:	Jennings 34 W1MD Fed Com 1H	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)
14,625.0	91.20	3.30	12,101.9	2,669.0	-252.0	-1,626.6	4.05	-3.68	1.68
14,721.0	89.40	2.40	12,101.4	2,764.9	-247.2	-1,695.1	2.10	-1.88	-0.94
14,816.0	89.10	2.10	12,102.7	2,859.8	-243.5	-1,762.3	0.45	-0.32	-0.32
14,911.0	89.50	2.20	12,103.8	2,954.7	-239.9	-1,829.4	0.43	0.42	0.11
15,007.0	88.80	1.90	12,105.3	3,050.7	-236.5	-1,897.0	0.79	-0.73	-0.31
15,102.0	90.20	1.20	12,106.1	3,145.6	-233.9	-1,963.3	1.65	1.47	-0.74
15,197.0	92.00	359.80	12,104.3	3,240.6	-233.1	-2,028.4	2.40	1.89	-1.47
15,292.0	92.40	359.40	12,100.6	3,335.5	-233.8	-2,092.4	0.60	0.42	-0.42
15,387.0	91.20	359.40	12,097.6	3,430.5	-234.8	-2,156.1	1.26	-1.26	0.00
15,482.0	91.00	358.70	12,095.8	3,525.4	-236.3	-2,219.4	0.77	-0.21	-0.74
15,577.0	89.40	357.70	12,095.5	3,620.4	-239.3	-2,281.6	1.99	-1.68	-1.05
15,672.0	91.30	0.10	12,094.9	3,715.4	-241.1	-2,344.7	3.22	2.00	2.53
15,767.0	90.10	0.40	12,093.7	3,810.4	-240.7	-2,409.5	1.30	-1.26	0.32
15,863.0	87.00	359.40	12,096.2	3,906.3	-240.9	-2,474.5	3.39	-3.23	-1.04
15,958.0	92.40	1.20	12,096.7	4,001.3	-240.4	-2,539.4	5.99	5.68	1.89
16,053.0	91.40	0.00	12,093.5	4,096.2	-239.4	-2,604.5	1.64	-1.05	-1.26
16,149.0	89.80	0.40	12,092.5	4,192.2	-239.1	-2,669.9	1.72	-1.67	0.42
16,244.0	94.10	1.50	12,089.3	4,287.1	-237.5	-2,735.5	4.67	4.53	1.16
16,339.0	92.70	1.90	12,083.6	4,381.9	-234.7	-2,801.9	1.53	-1.47	0.42
16,434.0	92.20	2.30	12,079.6	4,476.7	-231.2	-2,868.8	0.67	-0.53	0.42
16,529.0	92.20	3.20	12,075.9	4,571.6	-226.6	-2,936.5	0.95	0.00	0.95
16,624.0	90.80	2.10	12,073.4	4,666.4	-222.3	-3,004.2	1.87	-1.47	-1.16
16,720.0	91.40	2.70	12,071.6	4,762.3	-218.2	-3,072.2	0.88	0.63	0.63
16,815.0	91.40	3.50	12,069.3	4,857.2	-213.1	-3,140.3	0.84	0.00	0.84
16,910.0	91.70	3.50	12,066.7	4,951.9	-207.3	-3,208.9	0.32	0.32	0.00
17,006.0	85.80	3.10	12,068.8	5,047.7	-201.8	-3,278.0	6.16	-6.15	-0.42
17,101.0	85.90	3.60	12,075.7	5,142.3	-196.2	-3,346.3	0.54	0.11	0.53
17,152.0	86.10	4.20	12,079.2	5,193.1	-192.8	-3,383.3	1.24	0.39	1.18
17,200.0	86.10	4.20	12,082.5	5,240.8	-189.3	-3,418.3	0.00	0.00	0.00

17200' MD Projected to Bit

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
17,200.0	12,082.5	5,240.8	-189.3	17200' MD Projected to Bit



December 15, 2016

HOBBS OCD
FEB 16 2017
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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

Jennings 34 W1MD Federal Com #001H

Jennings; Upper Bone Spring Shale

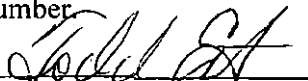
Lea County, New Mexico

API# 30-025-43362

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>
Keith Broussard	Original Hole	11,365ft. to 17,152ft.	11-19-16 to 11-30-16	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\Jennings 34 W1MD Federal Com #1H\161081

STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

P.O. Box 1250

Montgomery, TX 77356

Office (936) 582-7296 * Fax (936)-588-4163



December 15, 2016

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 19, 2016, through November 30, 2016 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 11,365 feet to a depth of 17,152 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 Jennings 34 W1MD Federal Com #001H well, API # **30-025-43362** 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.

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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Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 3-34-26S-32E Jennings 34 W1MD Fed C
Well: Jennings 34 W1MD Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Jennings 34 W1MD Fed Com 1H
TVD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
MD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Project:	Lea County NM	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Section 3-34-26S-32E Jennings 34 W1MD Fed Com 1H		
Site Position:		Northing:	392,999.90 usft
From:	Map	Easting:	706,211.60 usft
Position Uncertainty:	0.0 usft	Grid Radius:	13-3/16 "
		Latitude:	32° 4' 43.403 N
		Longitude:	103° 40' 3.217 W
		Grid Convergence:	0.35 °

Well	Jennings 34 W1MD Fed Com 1H		
Well Position	+N/-S	0.0 usft	Latitude: 32° 4' 43.403 N
	+E/-W	0.0 usft	Longitude: 103° 40' 3.217 W
Position Uncertainty	0.0 usft	Wellhead Elevation: 27.0 usft	Ground Level: 3,317.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	11/3/2016	7.05
			Dip Angle (°) 59.92
			Field Strength (nT) 47,905.79662370

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase: ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	Direction
	(usft)	(usft)	(°)
	0.0	0.0	227.25



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 3-34-26S-32E Jennings 34 W1MD Fed C
Well: Jennings 34 W1MD Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Jennings 34 W1MD Fed Com 1H
TVD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
MD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: Stryker_EDM

Survey Program		Date 11/30/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	11,280.0	VES Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot
11,365.0	17,200.0	MWD Curve & Lateral 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 (")	
11,280.0	0.54	258.67	11,273.4	-118.6	-45.3	126.9	200.90	Tie-In
11,365.0	1.20	270.20	11,358.4	-118.7	-48.6	127.5	201.43	
11,460.0	2.90	305.20	11,453.3	-117.2	-49.5	127.3	202.89	
11,482.0	7.30	329.70	11,485.2	-115.0	-51.2	125.9	203.99	
11,524.0	10.40	346.60	11,516.8	-110.4	-52.9	122.4	205.58	
11,555.0	13.50	351.80	11,547.1	-104.1	-54.0	117.3	207.43	
11,586.0	15.20	352.80	11,577.2	-96.5	-55.1	111.1	209.70	
11,618.0	16.50	351.80	11,607.9	-87.9	-56.2	104.3	212.62	
11,650.0	18.20	349.30	11,638.5	-78.5	-57.8	97.5	216.39	
11,681.0	20.80	348.10	11,667.7	-68.3	-59.8	90.8	221.22	
11,713.0	22.00	347.00	11,697.5	-56.9	-62.4	84.4	227.62	
11,744.0	23.60	347.80	11,726.1	-45.1	-65.0	79.1	235.22	
11,776.0	27.90	350.40	11,754.8	-31.4	-67.6	74.6	245.07	
11,808.0	32.00	351.90	11,782.6	-15.7	-70.1	71.6	257.41	
11,839.0	36.40	352.40	11,808.2	1.6	-72.4	72.4	271.27	
11,871.0	38.90	351.40	11,833.5	21.0	-75.2	78.1	285.57	
11,903.0	40.50	350.10	11,858.2	41.1	-78.5	88.6	297.66	
11,935.0	42.30	348.70	11,882.2	61.9	-82.4	103.1	306.93	
11,967.0	45.10	350.70	11,905.3	83.7	-86.3	120.2	314.11	
11,998.0	47.40	353.40	11,926.7	105.8	-89.4	138.6	319.81	
12,030.0	51.80	354.40	11,947.5	130.1	-92.0	159.3	324.73	



Microsoft MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 3-34-26S-32E Jennings 34 W1MD Fed C
Well: Jennings 34 W1MD Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Jennings 34 W1MD Fed Com 1H
TVD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
MD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
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 (°)
12,062.0	54.20	354.60	11,968.7	155.5	-94.4	181.9	328.73
12,093.0	55.90	355.50	11,984.5	180.8	-96.6	205.0	331.88
12,125.0	56.90	356.70	12,002.2	207.4	-98.4	229.6	334.61
12,158.0	58.50	356.90	12,018.8	233.6	-99.9	254.0	336.84
12,187.0	62.40	356.70	12,034.0	260.5	-101.4	279.5	338.73
12,219.0	65.10	356.80	12,048.2	289.1	-103.0	307.0	340.39
12,251.0	67.40	356.40	12,061.1	318.4	-104.8	335.2	341.79
12,283.0	68.50	356.40	12,073.1	348.0	-106.6	364.0	342.98
12,315.0	69.20	356.60	12,084.6	377.8	-108.5	393.0	343.98
12,346.0	72.30	355.70	12,094.9	407.0	-110.4	421.7	344.82
12,378.0	73.30	355.10	12,104.3	437.4	-112.9	451.8	345.53
12,389.0	73.50	354.80	12,107.5	447.9	-113.8	462.2	345.75
12,471.0	79.50	352.10	12,126.6	527.1	-122.9	541.2	346.87
12,503.0	82.70	352.50	12,131.6	558.4	-127.1	572.7	347.17
12,534.0	84.80	353.10	12,134.9	589.0	-131.0	603.4	347.46
12,566.0	86.80	354.50	12,137.3	620.7	-134.5	635.1	347.78
12,598.0	88.90	355.50	12,138.5	652.6	-137.2	666.9	348.12
12,693.0	85.70	355.50	12,142.9	747.2	-144.7	781.1	349.04
12,788.0	91.70	359.10	12,145.1	842.0	-149.2	855.1	349.95
12,883.0	91.60	359.80	12,142.4	936.9	-150.1	948.9	350.80
12,978.0	91.30	0.30	12,140.0	1,031.9	-150.0	1,042.8	351.73
13,073.0	90.60	0.40	12,138.4	1,126.9	-149.4	1,136.8	352.45
13,169.0	91.00	359.70	12,137.0	1,222.9	-150.2	1,232.1	353.00
13,262.0	68.70	359.20	12,137.3	1,315.9	-151.9	1,324.6	353.42
13,357.0	89.40	356.20	12,138.9	1,410.8	-155.7	1,419.3	353.70
13,453.0	91.50	354.90	12,138.1	1,508.5	-163.1	1,515.3	353.82
13,548.0	89.20	353.40	12,137.5	1,600.9	-172.8	1,610.2	353.64



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 3-34-26S-32E Jennings 34 W1MD Fed C
Well: Jennings 34 W1MD Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Jennings 34 W1MD Fed Com 1H
TVD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
MD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
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 (°)
13,643.0	91.20	355.10	12,137.2	1,695.5	-182.3	1,705.2	353.86
13,738.0	89.50	0.00	12,136.6	1,790.3	-186.4	1,800.0	354.06
13,834.0	90.50	354.00	12,136.6	1,886.2	-191.4	1,895.9	354.21
13,929.0	89.20	352.40	12,136.9	1,980.5	-202.6	1,990.8	354.16
14,023.0	88.70	346.60	12,138.6	2,072.9	-219.8	2,084.5	353.95
14,055.0	88.60	347.50	12,139.3	2,104.0	-226.9	2,116.2	353.84
14,087.0	89.20	348.30	12,140.0	2,135.3	-233.6	2,148.1	353.78
14,119.0	91.60	347.80	12,139.7	2,166.6	-240.3	2,179.9	353.67
14,150.0	96.20	349.00	12,137.6	2,198.8	-246.5	2,210.7	353.60
14,182.0	98.10	350.50	12,133.6	2,228.2	-252.1	2,242.4	353.54
14,214.0	99.10	354.20	12,128.9	2,259.5	-256.3	2,274.0	353.53
14,245.0	99.10	358.20	12,124.0	2,290.0	-258.4	2,304.6	353.56
14,277.0	97.10	0.60	12,119.4	2,321.7	-258.7	2,336.1	353.64
14,308.0	95.30	0.30	12,116.1	2,352.5	-258.5	2,366.7	353.73
14,340.0	92.90	0.50	12,113.8	2,384.4	-258.2	2,398.4	353.82
14,372.0	90.80	0.20	12,112.6	2,416.4	-258.0	2,430.2	353.90
14,406.0	91.20	0.30	12,111.7	2,480.4	-257.8	2,493.8	354.07
14,530.0	94.70	1.70	12,106.8	2,574.3	-255.1	2,587.0	354.32
14,625.0	91.20	3.30	12,101.9	2,689.0	-252.0	2,680.9	354.61
14,721.0	89.40	2.40	12,101.4	2,764.9	-247.2	2,775.9	354.89
14,816.0	89.10	2.10	12,102.7	2,859.8	-243.5	2,870.2	355.13
14,911.0	89.50	2.20	12,103.8	2,954.7	-239.9	2,964.5	355.36
15,007.0	88.80	1.90	12,105.3	3,050.7	-236.5	3,059.8	355.57
15,102.0	90.20	1.20	12,106.1	3,145.6	-233.9	3,154.3	355.75
15,197.0	92.00	359.80	12,104.3	3,240.6	-233.1	3,249.0	355.89
15,292.0	92.40	359.40	12,100.6	3,335.5	-233.8	3,343.7	355.99
15,387.0	91.20	359.40	12,097.6	3,430.5	-234.8	3,438.5	356.09



Microsoft
MWD Surveys



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section 3-34-26S-32E Jennings 34 W1MD Fed C
Well: Jennings 34 W1MD Fed Com 1H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Jennings 34 W1MD Fed Com 1H
TVD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
MD Reference: 3317 + 27 @ 3344.0usft (Patterson 231)
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 (°)
15,462.0	91.00	358.70	12,065.8	3,525.4	-236.3	3,533.4	356.16
15,577.0	89.40	357.70	12,095.5	3,620.4	-239.3	3,628.3	356.22
15,672.0	91.30	0.10	12,094.9	3,715.4	-241.1	3,723.2	356.29
15,767.0	90.10	0.40	12,093.7	3,810.4	-240.7	3,818.0	356.39
15,863.0	87.00	359.40	12,090.2	3,906.3	-240.9	3,913.7	356.47
15,958.0	92.40	1.20	12,096.7	4,001.3	-240.4	4,008.5	356.56
16,053.0	91.40	0.00	12,093.5	4,096.2	-239.4	4,103.2	356.66
16,149.0	89.80	0.40	12,092.5	4,192.2	-239.1	4,199.0	356.74
16,244.0	94.10	1.50	12,089.3	4,287.1	-237.5	4,293.7	356.83
16,339.0	92.70	1.90	12,083.6	4,381.9	-234.7	4,388.2	356.93
16,434.0	92.20	2.30	12,079.6	4,476.7	-231.2	4,482.7	357.04
16,529.0	92.20	3.20	12,075.9	4,571.6	-226.6	4,577.2	357.16
16,624.0	90.80	2.10	12,073.4	4,666.4	-222.3	4,671.7	357.27
16,720.0	91.40	2.70	12,071.6	4,762.3	-218.2	4,767.3	357.38
16,815.0	91.40	3.50	12,069.3	4,857.2	-213.1	4,861.8	357.49
16,910.0	91.70	3.50	12,066.7	4,951.9	-207.3	4,956.3	357.60
17,006.0	85.80	3.10	12,068.8	5,047.7	-201.8	5,051.8	357.71
17,101.0	85.90	3.60	12,075.7	5,142.3	-196.2	5,146.1	357.81
17,152.0	86.10	4.20	12,079.2	5,193.1	-192.8	5,196.6	357.87
17,200.0	88.10	4.20	12,082.5	5,240.8	-189.3	5,244.2	357.93

17200' MD Projected to Bit

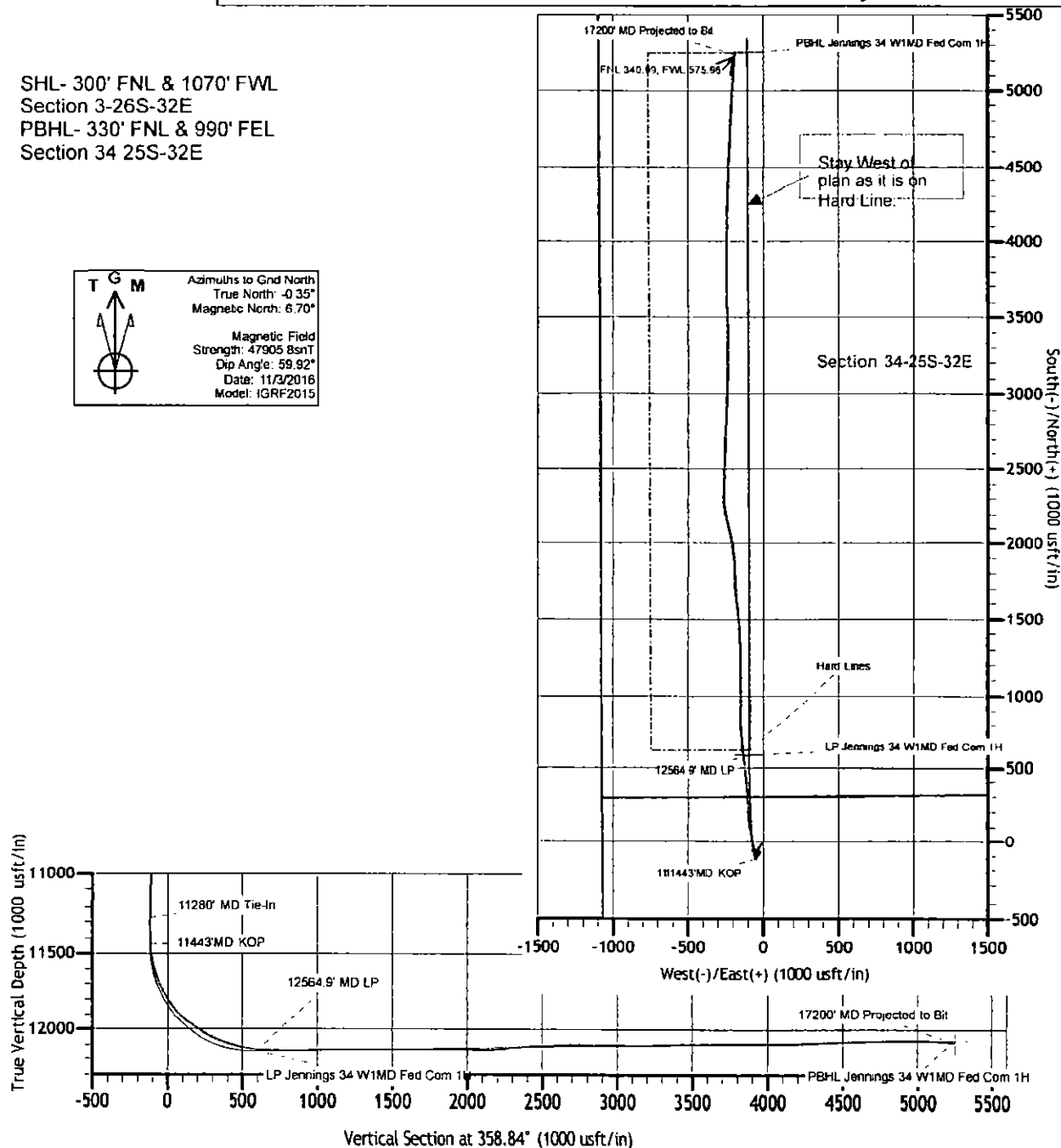
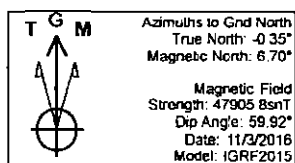
Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
17,200.0	12,082.5	5,240.8	-189.3	17200' MD Projected to Bit

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.70°

GEODETIC ZONE: New Mexico East 3001										
3317 + 27 @ 3344 Ousft (Patterson 231)										
GROUND ELEVATION: 3317.0										
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot				
0 0	0.0	392999.90	706211.60	32° 4' 43.403 N	103° 40' 3.217 W					
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
1	11280.0	0.54	258.67	11273.4	-118.6	-45.3	0.00	0.00	-117.6	
2	11443.0	0.54	258.67	11436.4	-118.9	-46.8	0.00	0.00	-117.9	
3	11486.2	3.97	298.20	11479.5	-118.2	-46.3	8.26	43.05	-117.2	
4	12564.9	90.98	359.83	12149.0	586.8	-92.0	8.26	61.63	588.5	LP Jennings 34 W1MD Fed Com 1H
5	17232.4	90.98	359.83	12068.0	5253.6	-106.0	0.00	0.00	5254.7	PBHL Jennings 34 W1MD Fed Com 1H

SHL- 300' FNL & 1070' FWL
Section 3-26S-32E
PBHL- 330' FNL & 990' FEL
Section 34 25S-32E





COMPANY: Mewbourne Oil Company
 WELL: Jennings 34 W1MD Fed Com 1H
 COUNTY: Lea County N.M.
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson 231



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.70°

GEODETIC ZONE: New Mexico East 3001							Slot			
3317 + 27 @ 3344 0usft (Patterson 231)										
GROUND ELEVATION: 3317.0										
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude					
0.0	0.0	392999.90	706211.60	32° 4' 43.403 N	103° 40' 3.217 W					
PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSet	Target
1	11280.0	0.54	258.67	11273.4	-118.6	-45.3	0.00	0.00	-117.8	
2	11443.0	0.54	258.67	11438.4	-118.9	-48.8	0.00	0.00	-117.9	
3	11486.2	3.97	298.20	11479.5	-118.2	-48.3	8.26	45.05	-117.2	
4	12564.9	90.98	359.83	12149.0	586.8	-92.0	8.26	61.63	588.5	LP Jennings 34 W1MD Fed Com 1H
5	17232.4	90.98	358.83	12069.0	5253.6	-108.0	0.00	0.00	5254.7	PBHL Jennings 34 W1MD Fed Com 1H

SHL- 300' FNL & 1070' FWL
 Section 3-26S-32E
 PBHL- 330' FNL & 990' FEL
 Section 34 25S-32E

