



HOBBS OCD

APR 27 2017

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Mewbourne Oil Company

Lea County N.M.

Section 27-25S-32E Jennings 27 W1AP Fed Com #3H

Jennings 27 W1AP Fed Com #3H

Original Hole

Design: Original Hole

Standard Survey Report

01 November, 2016





Microsoft Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Jennings 27 W1AP Fed Com #3H
Project:	Lea County N.M.	TVD Reference:	3401 + 27 @ 3428.0usft (Patterson #231)
Site:	Section27-25S-32E Jennings 27 W1AP Fed Com #3H	MD Reference:	3401 + 27 @ 3428.0usft (Patterson #231)
Well:	Jennings 27 W1AP 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	Section27-25S-32E Jennings 27 W1AP Fed Com #3H		
Site Position:		Northing:	403,711.30 usft
From:	Map	Easting:	709,830.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 29.179 N
		Longitude:	103° 39' 20.381 W
		Grid Convergence:	0.36 °

Well	Jennings 27 W1AP Fed Com #3H		
Well Position	+N/-S	0.0 usft	Northing: 403,711.30 usft
	+E/-W	0.0 usft	Easting: 709,830.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	27.0 usft
		Latitude:	32° 6' 29.179 N
		Longitude:	103° 39' 20.381 W
		Ground Level:	3,401.0 usft

Wellbore	Original Hole		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/4/2016	7.06	59.95	47,932.39168896

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	132.25

Survey Program	Date 11/1/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	11,260.0	Phoenix Tech Survey (Original Hole)	SRG-GYRO-MS
11,360.0	16,460.0	Survey #2 (Original Hole)	
		Description	surface readout gyro multishot

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	0.63	241.57	100.0	-0.3	-0.5	-0.2	0.63	0.63	0.00	
200.0	0.70	230.05	200.0	-0.9	-1.4	-0.4	0.15	0.07	-11.52	
300.0	0.74	241.57	300.0	-1.6	-2.5	-0.7	0.15	0.04	11.52	
400.0	0.90	222.21	400.0	-2.5	-3.6	-1.0	0.32	0.16	-19.36	
500.0	1.02	204.97	500.0	-3.9	-4.5	-0.7	0.31	0.12	-17.24	
600.0	1.54	194.14	599.9	-6.0	-5.2	0.2	0.57	0.52	-10.83	
700.0	1.79	197.21	699.9	-8.8	-6.0	1.5	0.27	0.25	3.07	
800.0	1.95	202.55	799.8	-11.9	-7.1	2.7	0.24	0.16	5.34	



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Well:	Jennings 27 W1AP 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)
900.0	1.86	189.61	899.8	-15.0	-8.0	4.2	0.44	-0.09	-12.94
1,000.0	2.18	204.59	999.7	-18.4	-9.1	5.6	0.61	0.32	14.98
1,100.0	0.40	142.92	1,099.7	-20.4	-9.6	6.6	2.02	-1.78	-61.67
1,200.0	0.51	97.61	1,199.7	-20.7	-9.0	7.3	0.36	0.11	-45.31
1,300.0	0.80	65.83	1,299.7	-20.5	-7.9	7.9	0.45	0.29	-31.78
1,400.0	0.82	77.18	1,399.7	-20.0	-6.6	8.6	0.16	0.02	11.35
1,500.0	0.94	85.87	1,499.7	-19.8	-5.1	9.6	0.18	0.12	8.69
1,600.0	1.13	90.12	1,599.6	-19.8	-3.3	10.9	0.20	0.19	4.25
1,700.0	1.41	91.21	1,699.6	-19.8	-1.0	12.5	0.28	0.28	1.09
1,800.0	1.46	86.39	1,799.6	-19.7	1.5	14.3	0.13	0.05	-4.82
1,900.0	1.53	98.49	1,899.6	-19.9	4.0	16.3	0.32	0.07	12.10
2,000.0	1.76	102.21	1,999.5	-20.4	6.9	18.8	0.25	0.23	3.72
2,100.0	1.99	108.36	2,099.5	-21.2	10.0	21.7	0.31	0.23	6.15
2,200.0	1.75	102.23	2,199.4	-22.1	13.2	24.6	0.31	-0.24	-6.13
2,300.0	0.91	19.10	2,299.4	-21.7	14.9	25.6	1.87	-0.84	-83.13
2,400.0	1.75	336.77	2,399.4	-19.5	14.6	23.9	1.24	0.84	-42.33
2,500.0	1.99	324.84	2,499.3	-16.7	13.0	20.8	0.46	0.24	-11.93
2,600.0	2.23	321.48	2,599.2	-13.8	10.8	17.2	0.27	0.24	-3.36
2,700.0	2.16	230.56	2,699.2	-13.4	8.1	15.0	3.13	-0.07	-90.92
2,800.0	2.05	223.46	2,799.1	-15.9	5.4	14.7	0.28	-0.11	-7.10
2,900.0	1.28	220.05	2,899.1	-18.1	3.5	14.7	0.78	-0.77	-3.41
3,000.0	0.86	285.83	2,999.1	-18.7	2.0	14.1	1.21	-0.42	65.78
3,100.0	0.77	288.06	3,099.1	-18.3	0.7	12.8	0.10	-0.09	2.23
3,200.0	0.56	313.64	3,199.1	-17.8	-0.3	11.7	0.36	-0.21	25.58
3,300.0	0.38	348.08	3,299.1	-17.1	-0.8	10.9	0.33	-0.18	34.44
3,400.0	0.83	348.14	3,399.0	-16.1	-1.0	10.1	0.45	0.45	0.06
3,500.0	1.21	42.98	3,499.0	-14.6	-0.4	9.5	1.00	0.38	54.84
3,600.0	1.97	41.04	3,599.0	-12.5	1.4	9.5	0.76	0.76	-1.94
3,700.0	2.03	44.55	3,698.9	-10.0	3.8	9.5	0.14	0.06	3.51
3,800.0	0.80	343.05	3,798.9	-8.1	4.8	9.0	1.79	-1.23	-61.50
3,900.0	1.86	265.65	3,898.9	-7.5	3.0	7.3	1.86	1.06	-77.40
4,000.0	1.59	251.22	3,998.8	-8.1	0.1	5.5	0.51	-0.27	-14.43
4,100.0	1.46	198.61	4,098.8	-9.7	-1.6	5.3	1.36	-0.13	-52.61
4,200.0	1.36	153.96	4,198.8	-12.0	-1.5	7.0	1.08	-0.10	-44.65
4,300.0	2.09	168.68	4,298.7	-14.9	-0.6	9.5	0.85	0.73	14.72
4,400.0	2.98	167.73	4,398.6	-19.2	0.3	13.1	0.89	0.89	-0.95
4,500.0	1.51	162.74	4,498.6	-23.0	1.2	16.4	1.48	-1.47	-4.99
4,600.0	1.21	140.60	4,598.5	-25.1	2.3	18.5	0.60	-0.30	-22.14
4,700.0	1.15	140.04	4,698.5	-26.6	3.6	20.6	0.06	-0.06	-0.56
4,800.0	1.11	156.16	4,798.5	-28.3	4.6	22.5	0.32	-0.04	16.12
4,900.0	0.82	160.42	4,898.5	-29.9	5.3	24.0	0.30	-0.29	4.26
5,000.0	0.72	160.69	4,998.5	-31.1	5.7	25.2	0.10	-0.10	0.27



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Well:	Jennings 27 W1AP 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)
5,100.0	0.53	163.06	5,098.5	-32.2	6.1	26.1	0.19	-0.19	2.37
5,200.0	0.45	34.65	5,198.5	-32.3	6.4	26.5	0.88	-0.08	-128.41
5,300.0	0.27	128.79	5,298.5	-32.1	6.8	26.6	0.54	-0.18	94.14
5,400.0	0.16	97.83	5,398.5	-32.3	7.1	27.0	0.16	-0.11	-30.96
5,500.0	0.17	219.63	5,498.5	-32.4	7.2	27.1	0.29	0.01	121.80
5,600.0	0.40	154.53	5,598.5	-32.8	7.2	27.4	0.36	0.23	-65.10
5,700.0	0.18	126.42	5,698.4	-33.2	7.5	27.9	0.26	-0.22	-28.11
5,800.0	0.21	16.33	5,798.4	-33.2	7.7	28.0	0.32	0.03	-110.09
5,900.0	0.52	60.97	5,898.4	-32.8	8.1	28.1	0.40	0.31	44.64
6,000.0	0.64	3.50	5,998.4	-32.0	8.6	27.9	0.57	0.12	-57.47
6,100.0	0.82	6.26	6,098.4	-30.7	8.7	27.1	0.18	0.18	2.76
6,200.0	0.66	0.49	6,198.4	-29.4	8.8	26.3	0.18	-0.16	-5.77
6,300.0	0.68	356.38	6,298.4	-28.3	8.7	25.5	0.05	0.02	-4.11
6,400.0	0.54	346.33	6,398.4	-27.2	8.6	24.7	0.18	-0.14	-10.05
6,500.0	0.55	280.79	6,498.4	-26.7	8.0	23.9	0.59	0.01	-65.54
6,600.0	0.57	287.44	6,598.4	-26.4	7.1	23.0	0.07	0.02	6.65
6,700.0	0.94	286.63	6,698.4	-26.0	5.8	21.8	0.37	0.37	-0.81
6,800.0	0.47	307.85	6,798.4	-25.6	4.7	20.7	0.53	-0.47	21.22
6,900.0	0.46	295.19	6,898.4	-25.1	4.0	19.9	0.10	-0.01	-12.66
7,000.0	0.51	297.59	6,998.4	-24.8	3.2	19.0	0.05	0.05	2.40
7,100.0	0.65	281.07	7,098.4	-24.4	2.3	18.1	0.22	0.14	-16.52
7,200.0	0.84	244.36	7,198.4	-24.7	1.1	17.4	0.50	0.19	-36.71
7,300.0	0.48	202.01	7,298.4	-25.4	0.3	17.2	0.58	-0.36	-42.35
7,400.0	0.75	306.00	7,398.4	-25.4	-0.4	16.7	0.98	0.27	103.99
7,500.0	0.72	232.03	7,498.4	-25.4	-1.5	16.0	0.88	-0.03	-73.97
7,600.0	0.72	243.63	7,598.3	-26.0	-2.5	15.6	0.15	0.00	11.60
7,700.0	0.52	255.01	7,698.3	-26.4	-3.5	15.2	0.23	-0.20	11.38
7,800.0	0.78	352.77	7,798.3	-25.9	-4.0	14.4	0.99	0.26	97.76
7,900.0	0.36	312.04	7,898.3	-25.0	-4.4	13.6	0.56	-0.42	-40.73
8,000.0	0.46	292.33	7,998.3	-24.6	-5.0	12.9	0.17	0.10	-19.71
8,100.0	0.77	236.80	8,098.3	-24.8	-5.9	12.3	0.64	0.31	-55.53
8,200.0	0.64	196.14	8,198.3	-25.7	-6.6	12.4	0.50	-0.13	-40.66
8,300.0	0.66	220.27	8,298.3	-26.7	-7.1	12.7	0.27	0.02	24.13
8,400.0	0.79	199.78	8,398.3	-27.8	-7.7	13.0	0.29	0.13	-20.49
8,500.0	0.69	182.99	8,498.3	-29.1	-8.0	13.6	0.24	-0.10	-16.79
8,600.0	0.92	211.02	8,598.3	-30.3	-8.5	14.1	0.45	0.23	28.03
8,700.0	1.36	237.47	8,698.3	-31.7	-9.9	14.0	0.67	0.44	26.45
8,800.0	1.41	248.45	8,798.2	-32.8	-12.0	13.1	0.27	0.05	10.98
8,900.0	1.19	236.71	8,898.2	-33.8	-14.0	12.3	0.34	-0.22	-11.74
9,000.0	0.92	225.65	8,998.2	-34.9	-15.5	12.0	0.34	-0.27	-11.06
9,100.0	0.54	196.76	9,098.2	-35.9	-16.2	12.2	0.52	-0.38	-28.89
9,200.0	1.52	262.09	9,198.2	-36.6	-17.6	11.5	1.38	0.98	65.33
9,300.0	1.65	276.07	9,298.1	-36.6	-20.4	9.5	0.41	0.13	13.98



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Site:	Section27-25S-32E Jennings 27 W1AP Fed Com #3H	MD Reference:	3401 + 27 @ 3428.0usft (Patterson #231)
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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	1.07	292.33	9,398.1	-36.1	-22.7	7.5	0.69	-0.58	16.26
9,500.0	1.34	15.79	9,498.1	-34.6	-23.2	6.1	1.62	0.27	83.46
9,600.0	2.93	45.69	9,598.0	-31.7	-21.1	5.7	1.89	1.59	29.90
9,700.0	4.67	65.06	9,697.8	-28.2	-15.5	7.4	2.14	1.74	19.37
9,800.0	5.08	61.26	9,797.4	-24.3	-8.0	10.5	0.52	0.41	-3.80
9,900.0	5.30	60.42	9,897.0	-19.9	-0.1	13.3	0.23	0.22	-0.84
10,000.0	4.31	59.22	9,996.7	-15.7	7.2	15.9	1.00	-0.99	-1.20
10,100.0	3.52	58.99	10,096.4	-12.2	13.0	17.9	0.79	-0.79	-0.23
10,200.0	3.16	64.39	10,196.3	-9.5	18.1	19.8	0.48	-0.36	5.40
10,300.0	2.98	66.32	10,296.1	-7.2	23.0	21.9	0.21	-0.18	1.93
10,400.0	2.83	74.07	10,396.0	-5.5	27.8	24.2	0.42	-0.15	7.75
10,500.0	2.48	77.81	10,495.9	-4.4	32.3	26.8	0.39	-0.35	3.74
10,600.0	1.47	100.15	10,595.8	-4.1	35.6	29.2	1.25	-1.01	22.34
10,700.0	0.78	152.48	10,695.8	-5.0	37.2	30.9	1.17	-0.69	52.33
10,800.0	1.67	201.08	10,795.8	-6.9	37.0	32.0	1.29	0.89	48.60
10,900.0	2.53	223.79	10,895.7	-9.9	34.9	32.5	1.18	0.86	22.71
11,000.0	2.85	233.29	10,995.6	-13.0	31.4	32.0	0.55	0.32	9.50
11,100.0	2.66	237.12	11,095.5	-15.7	27.5	30.9	0.26	-0.19	3.83
11,200.0	2.43	237.74	11,195.4	-18.1	23.7	29.7	0.23	-0.23	0.62
11,260.0	2.58	218.86	11,255.3	-19.8	21.8	29.5	1.39	0.25	-31.47
11260' MD Phoenix Gyro									
11,360.0	3.60	228.20	11,355.2	-23.7	18.1	29.3	1.13	1.02	9.34
11,456.0	6.30	219.10	11,450.8	-29.8	12.5	29.3	2.92	2.81	-9.48
11,487.0	10.60	204.10	11,481.5	-33.7	10.3	30.2	15.47	13.87	-48.39
11,519.0	15.80	194.50	11,512.6	-40.6	8.0	33.2	17.58	16.25	-30.00
11,551.0	18.30	192.90	11,543.2	-49.7	5.8	37.7	7.95	7.81	-5.00
11,583.0	19.00	186.90	11,573.6	-59.8	4.0	43.2	6.38	2.19	-18.75
11,615.0	21.00	184.60	11,603.6	-70.7	2.9	49.7	6.71	6.25	-7.19
11,647.0	22.90	183.70	11,633.3	-82.6	2.1	57.1	6.03	5.94	-2.81
11,679.0	25.00	188.50	11,662.5	-95.5	0.7	64.7	8.95	6.56	15.00
11,710.0	30.30	192.10	11,690.0	-109.6	-2.0	72.3	17.92	17.10	11.61
11,742.0	34.30	189.80	11,717.0	-126.4	-5.2	81.2	13.07	12.50	-7.19
11,774.0	35.10	181.50	11,743.4	-144.5	-7.0	92.0	14.97	2.50	-25.94
11,805.0	38.90	182.00	11,768.1	-163.2	-7.5	104.1	12.30	12.26	1.61
11,837.0	40.70	181.30	11,792.7	-183.6	-8.1	117.5	5.80	5.63	-2.19
11,869.0	43.60	176.40	11,816.4	-205.1	-7.7	132.2	13.70	9.06	-15.31
11,901.0	48.20	172.70	11,838.7	-228.0	-5.5	149.2	16.60	14.38	-11.56
11,933.0	54.10	171.50	11,858.8	-252.6	-2.0	168.4	18.67	18.44	-3.75
11,965.0	58.60	172.40	11,876.5	-279.0	1.7	188.9	14.26	14.06	2.81
11,996.0	62.30	173.80	11,891.8	-305.8	4.9	209.2	12.57	11.94	4.52
12,028.0	64.60	174.00	11,906.1	-334.2	8.0	230.6	7.21	7.19	0.63
12,060.0	66.90	173.00	11,919.2	-363.2	11.3	252.6	7.73	7.19	-3.13



Microsoft Survey Report



Company: Mewbourne Oil Company
Project: Lea County N.M.
Site: Section27-25S-32E Jennings 27 W1AP Fed Com #3H
Well: Jennings 27 W1AP Fed Com #3H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Jennings 27 W1AP Fed Com #3H
TVD Reference: 3401 + 27 @ 3428.0usft (Patterson #231)
MD Reference: 3401 + 27 @ 3428.0usft (Patterson #231)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
12,091.0	70.60	174.70	11,930.5	-391.9	14.4	274.2	12.98	11.94	5.48
12,123.0	73.70	176.50	11,940.3	-422.3	16.7	296.3	11.07	9.69	5.63
12,155.0	76.80	177.40	11,948.4	-453.2	18.4	318.3	10.06	9.69	2.81
12,187.0	80.20	177.80	11,954.8	-484.5	19.7	340.3	10.70	10.63	1.25
12,217.0	82.90	178.40	11,959.2	-514.2	20.6	361.0	9.21	9.00	2.00
12,281.0	87.90	178.50	11,964.3	-577.9	22.4	405.1	7.81	7.81	0.16
12,313.0	88.70	178.00	11,965.3	-609.9	23.3	427.4	2.95	2.50	-1.56
12,408.0	88.90	178.90	11,967.3	-704.8	25.9	493.1	0.97	0.21	0.95
12,504.0	89.90	179.60	11,968.3	-800.8	27.2	558.6	1.27	1.04	0.73
12,599.0	88.10	177.90	11,969.9	-895.8	29.2	624.0	2.61	-1.89	-1.79
12,694.0	89.80	179.60	11,971.7	-990.7	31.3	689.3	2.53	1.79	1.79
12,790.0	87.50	177.40	11,973.9	-1,086.7	33.8	755.7	3.31	-2.40	-2.29
12,885.0	89.00	178.30	11,976.8	-1,181.5	37.4	822.1	1.84	1.58	0.95
12,980.0	87.40	176.90	11,979.8	-1,276.4	41.4	888.9	2.24	-1.68	-1.47
13,076.0	87.20	177.50	11,984.3	-1,372.2	46.1	956.7	0.66	-0.21	0.63
13,171.0	88.00	178.00	11,988.3	-1,467.0	49.8	1,023.3	0.99	0.84	0.53
13,265.0	90.00	178.80	11,990.0	-1,561.0	52.4	1,088.4	2.29	2.13	0.85
13,360.0	88.70	179.10	11,991.0	-1,655.9	54.1	1,153.5	1.40	-1.37	0.32
13,455.0	90.60	180.50	11,991.6	-1,750.9	54.5	1,217.6	2.48	2.00	1.47
13,551.0	88.10	177.60	11,992.7	-1,846.9	56.1	1,283.3	3.99	-2.60	-3.02
13,646.0	88.50	178.60	11,995.5	-1,941.8	59.2	1,349.5	1.13	0.42	1.05
13,741.0	88.10	179.10	11,998.3	-2,036.7	61.1	1,414.7	0.67	-0.42	0.53
13,836.0	87.20	179.80	12,002.2	-2,131.7	62.0	1,479.2	1.20	-0.95	0.74
13,931.0	91.20	179.70	12,003.6	-2,226.6	62.4	1,543.4	4.21	4.21	-0.11
14,027.0	87.80	178.40	12,004.4	-2,322.6	64.0	1,609.1	3.79	-3.54	-1.35
14,121.0	87.20	178.40	12,008.5	-2,416.5	66.7	1,674.2	0.64	-0.64	0.00
14,217.0	90.40	178.30	12,010.5	-2,512.4	69.4	1,740.7	3.33	3.33	-0.10
14,312.0	88.50	176.90	12,011.4	-2,607.3	73.4	1,807.5	2.48	-2.00	-1.47
14,407.0	89.00	176.20	12,013.5	-2,702.1	79.1	1,875.4	0.91	0.53	-0.74
14,502.0	87.70	176.90	12,016.2	-2,796.9	84.8	1,943.4	1.55	-1.37	0.74
14,597.0	88.20	178.90	12,019.6	-2,891.8	88.3	2,009.8	2.17	0.53	2.11
14,691.0	89.20	178.20	12,021.8	-2,985.7	90.7	2,074.7	1.30	1.06	-0.74
14,786.0	86.20	177.30	12,025.6	-3,080.5	94.4	2,141.2	3.30	-3.16	-0.95
14,881.0	87.60	178.40	12,030.7	-3,175.3	98.0	2,207.6	1.87	1.47	1.16
14,977.0	87.40	181.40	12,034.9	-3,271.2	98.1	2,272.2	3.13	-0.21	3.13
15,072.0	90.90	182.00	12,036.3	-3,366.2	95.3	2,333.9	3.74	3.68	0.63
15,167.0	85.50	178.70	12,039.3	-3,461.1	94.7	2,397.3	6.66	-5.68	-3.47
15,263.0	89.00	180.30	12,043.9	-3,556.9	95.6	2,462.4	4.01	3.65	1.67
15,358.0	88.00	180.20	12,046.4	-3,651.9	95.2	2,525.9	1.06	-1.05	-0.11
15,454.0	86.70	178.40	12,050.8	-3,747.8	96.3	2,591.3	2.31	-1.35	-1.88
15,549.0	85.00	176.20	12,057.7	-3,842.4	100.8	2,658.2	2.92	-1.79	-2.32
15,644.0	87.00	175.80	12,064.3	-3,937.0	107.4	2,726.7	2.15	2.11	-0.42
15,740.0	87.40	175.90	12,069.0	-4,032.6	114.3	2,796.1	0.43	0.42	0.10



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Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Jennings 27 W1AP Fed Com #3H
Project:	Lea County N.M.	TVD Reference:	3401 + 27 @ 3428.0usft (Patterson #231)
Site:	Section27-25S-32E Jennings 27 W1AP Fed Com #3H	MD Reference:	3401 + 27 @ 3428.0usft (Patterson #231)
Well:	Jennings 27 W1AP 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)
15,835.0	88.20	172.20	12,072.7	-4,127.0	124.2	2,866.9	3.98	0.84	-3.89
15,930.0	88.20	170.70	12,075.7	-4,220.9	138.3	2,940.4	1.58	0.00	-1.58
16,026.0	89.40	172.10	12,077.7	-4,315.8	152.6	3,014.9	1.92	1.25	1.46
16,121.0	88.30	171.60	12,079.6	-4,409.8	166.1	3,088.1	1.27	-1.16	-0.53
16,217.0	85.50	172.10	12,084.8	-4,504.7	179.7	3,161.9	2.96	-2.92	0.52
16,311.0	88.60	173.50	12,089.6	-4,597.8	191.5	3,233.2	3.62	3.30	1.49
16,411.0	89.60	174.00	12,091.2	-4,697.2	202.3	3,308.1	1.12	1.00	0.50
16,460.0	89.60	174.00	12,091.5	-4,745.9	207.5	3,344.7	0.00	0.00	0.00
16460' MD Projected to Bit									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,260.0	11,255.3	-19.8	21.8	11260' MD Phoenix Gyro
16,460.0	12,091.5	-4,745.9	207.5	16460' MD Projected to Bit