



HOBBS OCD
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Mewbourne Oil Company

**Lea County N. M. Nad (83)
Section 22-23S-34E Gazelle
Gazelle 22 B2NC Fed Com 2H**

Original Hole

Design: Original Hole

Standard Survey Report

20 August, 2019





Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Gazelle 22 B2NC Fed Com 2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3471 + 27 @ 3498.0usft (Patterson 560)
Site:	Section 22-23S-34E Gazelle	MD Reference:	3471 + 27 @ 3498.0usft (Patterson 560)
Well:	Gazelle 22 B2NC Fed Com 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Project	Lea County N. M. Nad (83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Section 22-23S-34E Gazelle		
Site Position:		Northing:	467,929.50 usft
From:	Map	Easting:	810,978.60 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 17' 0.232 N
		Longitude:	103° 27' 38.916 W
		Grid Convergence:	0.47 °

Well	Gazelle 22 B2NC Fed Com 2H		
Well Position	+N/-S	0.0 usft	Northing: 467,929.50 usft
	+E/-W	0.0 usft	Easting: 810,978.60 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	27.0 usft
		Latitude:	32° 17' 0.232 N
		Longitude:	103° 27' 38.916 W
		Ground Level:	3,471.0 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	06/03/19	6.69
			Dip Angle (°)
			60.11
			Field Strength (nT)
			47,782.61391707

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction (°)
			0.84

Survey Program	Date 08/20/19		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1,123.0	15,350.0	Stryker Surveys (Original Hole)	MWD
			Description
			MWD v3:standard declination

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate	
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)	
1,022.0	0.50	59.90	1,022.0	1.7	1.4	1.7	0.00	0.00	0.00	
Curry State #002 - Curry Fed #002										
1,123.0	2.50	91.30	1,123.0	1.9	4.0	1.9	2.07	1.98	31.09	
1,312.0	0.70	139.00	1,311.9	0.9	8.9	1.0	1.11	-0.95	25.24	
1,501.0	0.60	132.30	1,500.9	-0.6	10.4	-0.5	0.07	-0.05	-3.54	
1,691.0	0.30	122.50	1,690.9	-1.6	11.5	-1.4	0.16	-0.16	-5.16	
1,880.0	0.40	97.60	1,879.9	-1.9	12.6	-1.7	0.10	0.05	-13.17	
2,070.0	0.70	67.30	2,069.9	-1.6	14.3	-1.4	0.21	0.16	-15.95	
2,259.0	0.60	56.10	2,258.8	-0.6	16.2	-0.3	0.09	-0.05	-5.93	
2,448.0	0.80	52.80	2,447.8	0.8	18.1	1.1	0.11	0.11	-1.75	
2,637.0	1.00	47.90	2,636.8	2.7	20.3	3.0	0.11	0.11	-2.59	



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Site:	Section 22-23S-34E Gazelle	MD Reference:	3471 + 27 @ 3498.0usft (Patterson 560)
Well:	Gazelle 22 B2NC Fed Com 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
2,827.0	1.40	42.60	2,826.8	5.5	23.1	5.8	0.22	0.21	-2.79
3,016.0	0.70	138.90	3,015.7	6.3	25.5	6.7	0.86	-0.37	50.95
3,205.0	1.10	122.90	3,204.7	4.5	27.7	4.9	0.25	0.21	-8.47
3,395.0	1.10	117.10	3,394.7	2.7	30.9	3.1	0.06	0.00	-3.05
3,584.0	1.40	134.90	3,583.6	0.2	34.2	0.7	0.26	0.16	9.42
3,773.0	0.50	91.90	3,772.6	-1.5	36.6	-0.9	0.58	-0.48	-22.75
3,963.0	2.20	87.30	3,962.6	-1.3	41.1	-0.7	0.90	0.89	-2.42
4,152.0	1.60	103.50	4,151.4	-1.8	47.3	-1.1	0.42	-0.32	8.57
4,341.0	1.10	121.00	4,340.4	-3.3	51.4	-2.5	0.34	-0.26	9.26
4,530.0	2.80	119.50	4,529.3	-6.5	57.0	-5.7	0.90	0.90	-0.79
4,719.0	1.00	102.80	4,718.2	-9.1	62.6	-8.2	0.99	-0.95	-8.84
4,908.0	0.90	89.60	4,907.1	-9.5	65.7	-8.5	0.13	-0.05	-6.98
5,004.0	0.90	80.10	5,003.1	-9.4	67.2	-8.4	0.16	0.00	-9.90
5,101.0	1.10	112.40	5,100.1	-9.6	68.8	-8.6	0.61	0.21	33.30
5,290.0	2.60	145.00	5,289.0	-13.8	72.9	-12.7	0.94	0.79	17.25
5,480.0	2.20	145.90	5,478.9	-20.3	77.4	-19.2	0.21	-0.21	0.47
5,669.0	3.10	146.90	5,667.6	-27.6	82.3	-26.4	0.48	0.48	0.53
5,858.0	3.40	146.20	5,856.3	-36.6	88.2	-35.3	0.16	0.16	-0.37
6,047.0	2.80	144.10	6,045.1	-45.0	94.0	-43.6	0.32	-0.32	-1.11
6,236.0	3.80	150.10	6,233.8	-54.1	99.8	-52.7	0.56	0.53	3.17
6,426.0	4.20	146.40	6,423.3	-65.4	106.8	-63.8	0.25	0.21	-1.95
6,615.0	3.90	148.80	6,611.8	-76.7	114.0	-75.0	0.18	-0.16	1.27
6,804.0	3.50	154.50	6,800.4	-87.4	119.8	-85.6	0.29	-0.21	3.02
6,993.0	2.90	141.40	6,989.1	-96.3	125.3	-94.5	0.50	-0.32	-6.93
7,182.0	2.70	139.50	7,177.9	-103.4	131.1	-101.5	0.12	-0.11	-1.01
7,371.0	2.30	144.40	7,366.7	-109.9	136.2	-107.9	0.24	-0.21	2.59
7,560.0	3.00	136.40	7,555.5	-116.6	141.9	-114.5	0.42	0.37	-4.23
7,749.0	2.60	147.80	7,744.3	-123.8	147.5	-121.6	0.36	-0.21	6.03
7,938.0	2.20	155.60	7,933.1	-130.7	151.3	-128.5	0.27	-0.21	4.13
8,128.0	3.30	139.20	8,122.9	-138.2	156.4	-135.8	0.71	0.58	-8.63
8,317.0	2.90	145.00	8,311.6	-146.2	162.7	-143.8	0.27	-0.21	3.07
8,506.0	2.50	153.10	8,500.4	-153.8	167.3	-151.3	0.29	-0.21	4.29
8,695.0	2.40	153.50	8,689.3	-161.0	170.9	-158.5	0.05	-0.05	0.21
8,884.0	2.20	144.10	8,878.1	-167.5	174.8	-164.9	0.23	-0.11	-4.97
9,073.0	3.40	118.00	9,066.9	-173.1	181.9	-170.4	0.91	0.63	-13.81
9,263.0	2.90	155.60	9,256.6	-180.1	188.9	-177.3	1.10	-0.26	19.79
9,452.0	1.50	191.80	9,445.5	-186.8	190.3	-184.0	1.01	-0.74	19.15
9,640.0	2.30	226.50	9,633.4	-191.9	187.1	-189.1	0.73	0.43	18.46
9,806.3	1.69	326.83	9,799.7	-192.1	183.3	-189.4	1.86	-0.37	60.32
B.B. Gazelle 22 B2NC Fed Com 2H									
9,829.0	2.00	335.70	9,822.3	-191.5	183.0	-188.8	1.86	1.37	39.14
9,891.0	3.70	349.40	9,884.2	-188.5	182.2	-185.8	2.93	2.74	22.10
9,923.0	9.00	359.40	9,916.0	-185.0	182.0	-182.3	16.86	16.56	31.25



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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
9,954.0	14.50	8.30	9,946.4	-178.7	182.5	-176.0	18.63	17.74	28.71
9,986.0	19.30	8.40	9,977.0	-169.5	183.9	-166.8	15.00	15.00	0.31
10,017.0	23.20	10.10	10,005.9	-158.4	185.7	-155.7	12.74	12.58	5.48
10,049.0	25.80	9.10	10,035.0	-145.3	187.9	-142.6	8.23	8.13	-3.13
10,080.0	28.80	8.70	10,062.5	-131.3	190.1	-128.5	9.70	9.68	-1.29
10,112.0	31.20	8.60	10,090.2	-115.5	192.5	-112.6	7.50	7.50	-0.31
10,144.0	33.10	6.90	10,117.3	-98.6	194.8	-95.7	6.58	5.94	-5.31
10,175.0	34.90	5.00	10,143.0	-81.4	196.6	-78.5	6.74	5.81	-6.13
10,207.0	36.50	3.10	10,169.0	-62.7	197.9	-59.8	6.08	5.00	-5.94
10,238.0	40.50	1.90	10,193.3	-43.5	198.7	-40.6	13.13	12.90	-3.87
10,270.0	45.30	1.30	10,216.7	-21.7	199.3	-18.8	15.05	15.00	-1.88
10,301.0	48.60	1.20	10,237.9	0.9	199.8	3.9	10.65	10.65	-0.32
10,332.0	51.80	0.80	10,257.7	24.7	200.2	27.7	10.37	10.32	-1.29
10,364.0	56.70	0.70	10,276.4	50.7	200.6	53.6	15.31	15.31	-0.31
10,395.0	59.40	1.00	10,292.8	77.0	200.9	79.9	8.75	8.71	0.97
10,427.0	61.50	0.70	10,308.6	104.8	201.4	107.8	6.61	6.56	-0.94
10,458.0	63.20	0.60	10,323.0	132.3	201.7	135.2	5.49	5.48	-0.32
10,483.1	65.63	0.92	10,333.8	154.9	202.0	157.9	9.75	9.69	1.26
LP Gazelle 22 B2NC Fed Com 2H									
10,490.0	66.30	1.00	10,336.6	161.2	202.1	164.2	9.75	9.69	1.23
10,521.0	70.40	1.00	10,348.0	190.0	202.6	193.0	13.23	13.23	0.00
10,553.0	72.00	1.10	10,358.3	220.3	203.1	223.3	5.01	5.00	0.31
10,584.0	75.60	1.30	10,367.0	250.1	203.8	253.0	11.63	11.61	0.65
10,615.0	78.80	1.00	10,373.9	280.3	204.4	283.3	10.37	10.32	-0.97
10,647.0	81.50	0.60	10,379.3	311.8	204.8	314.8	8.53	8.44	-1.25
10,678.0	84.20	0.80	10,383.2	342.6	205.2	345.6	8.73	8.71	0.65
10,710.0	85.60	1.20	10,386.0	374.4	205.7	377.4	4.55	4.38	1.25
10,741.0	88.00	1.40	10,387.8	405.4	206.4	408.4	7.77	7.74	0.65
10,753.0	89.50	1.10	10,388.0	417.4	206.7	420.4	12.75	12.50	-2.50
10,880.0	87.70	356.20	10,391.1	544.3	203.7	547.2	4.11	-1.42	-3.86
10,975.0	90.90	350.60	10,392.3	638.6	192.8	641.3	6.79	3.37	-5.89
11,070.0	90.30	350.00	10,391.3	732.2	176.8	734.7	0.89	-0.63	-0.63
11,165.0	92.40	346.50	10,389.1	825.2	157.5	827.4	4.30	2.21	-3.68
11,260.0	91.90	348.10	10,385.5	917.8	136.6	919.7	1.76	-0.53	1.68
11,355.0	88.10	348.80	10,385.5	1,010.8	117.6	1,012.5	4.07	-4.00	0.74
11,450.0	86.70	348.90	10,389.8	1,103.9	99.2	1,105.3	1.48	-1.47	0.11
11,545.0	89.90	350.50	10,392.6	1,197.4	82.2	1,198.4	3.77	3.37	1.68
11,639.0	89.80	349.10	10,392.9	1,289.9	65.6	1,290.7	1.49	-0.11	-1.49
11,734.0	92.30	352.40	10,391.1	1,383.6	50.3	1,384.2	4.36	2.63	3.47
11,829.0	91.00	358.20	10,388.4	1,478.2	42.6	1,478.7	6.25	-1.37	6.11
11,923.0	89.90	356.40	10,387.7	1,572.1	38.1	1,572.5	2.24	-1.17	-1.91
12,018.0	89.00	1.90	10,388.6	1,667.0	36.7	1,667.4	5.87	-0.95	5.79
12,113.0	88.40	1.30	10,390.7	1,762.0	39.4	1,762.4	0.89	-0.63	-0.63
12,207.0	85.90	359.80	10,395.4	1,855.8	40.3	1,856.2	3.10	-2.66	-1.60



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Well:	Gazelle 22 B2NC Fed Com 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

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)
12,302.0	90.10	1.80	10,398.7	1,950.8	41.6	1,951.2	4.90	4.42	2.11
12,397.0	92.20	5.30	10,396.8	2,045.5	47.5	2,046.0	4.30	2.21	3.68
12,491.0	94.80	6.30	10,391.1	2,138.9	57.0	2,139.5	2.96	2.77	1.06
12,586.0	92.70	6.30	10,384.9	2,233.1	67.4	2,233.8	2.21	-2.21	0.00
12,680.0	91.10	1.60	10,381.7	2,326.8	73.8	2,327.6	5.28	-1.70	-5.00
12,775.0	90.80	359.80	10,380.2	2,421.8	75.0	2,422.6	1.92	-0.32	-1.89
12,870.0	89.40	356.80	10,380.0	2,516.7	72.2	2,517.5	3.48	-1.47	-3.16
12,964.0	85.00	356.10	10,384.6	2,610.4	66.4	2,611.1	4.74	-4.68	-0.74
12,996.0	84.30	355.90	10,387.6	2,642.2	64.1	2,642.8	2.27	-2.19	-0.63
13,027.0	81.10	357.80	10,391.5	2,672.9	62.4	2,673.5	11.98	-10.32	6.13
13,060.0	76.90	359.60	10,397.8	2,705.2	61.7	2,705.9	13.81	-12.73	5.45
13,092.0	80.30	0.10	10,404.1	2,736.6	61.6	2,737.2	10.73	10.63	1.56
13,123.0	84.70	0.10	10,408.2	2,767.3	61.7	2,767.9	14.19	14.19	0.00
13,155.0	89.80	359.40	10,409.7	2,799.3	61.5	2,799.9	16.09	15.94	-2.19
13,186.0	93.40	359.10	10,408.8	2,830.3	61.1	2,830.9	11.65	11.61	-0.97
13,218.0	93.10	358.80	10,407.0	2,862.2	60.6	2,862.8	1.32	-0.94	-0.94
13,250.0	93.20	358.40	10,405.3	2,894.1	59.8	2,894.7	1.29	0.31	-1.25
13,344.0	91.70	356.50	10,401.3	2,988.0	55.6	2,988.5	2.57	-1.60	-2.02
13,439.0	93.10	357.10	10,397.3	3,082.7	50.3	3,083.1	1.60	1.47	0.63
13,534.0	93.10	355.10	10,392.1	3,177.4	43.8	3,177.7	2.10	0.00	-2.11
13,628.0	93.40	354.40	10,386.8	3,270.8	35.3	3,271.0	0.81	0.32	-0.74
13,723.0	93.20	358.50	10,381.3	3,365.5	29.4	3,365.5	4.31	-0.21	4.32
13,818.0	90.60	0.40	10,378.2	3,460.4	28.5	3,460.4	3.39	-2.74	2.00
13,912.0	88.20	3.10	10,379.2	3,554.3	31.3	3,554.4	3.84	-2.55	2.87
14,007.0	86.70	2.70	10,383.4	3,649.1	36.1	3,649.2	1.63	-1.58	-0.42
14,101.0	90.00	1.40	10,386.1	3,743.0	39.5	3,743.2	3.77	3.51	-1.38
14,196.0	89.40	359.90	10,386.6	3,838.0	40.6	3,838.2	1.70	-0.63	-1.58
14,291.0	88.40	2.30	10,388.4	3,932.9	42.4	3,933.1	2.74	-1.05	2.53
14,385.0	87.70	1.60	10,391.6	4,026.8	45.6	4,027.1	1.05	-0.74	-0.74
14,480.0	89.50	1.10	10,393.9	4,121.8	47.8	4,122.0	1.97	1.89	-0.53
14,575.0	91.30	0.80	10,393.3	4,216.8	49.4	4,217.0	1.92	1.89	-0.32
14,669.0	91.40	359.70	10,391.1	4,310.7	49.8	4,311.0	1.17	0.11	-1.17
14,764.0	90.80	1.80	10,389.2	4,405.7	51.1	4,406.0	2.30	-0.63	2.21
14,859.0	88.40	0.60	10,389.9	4,500.7	53.1	4,501.0	2.82	-2.53	-1.26
14,954.0	88.50	3.40	10,392.5	4,595.6	56.4	4,595.9	2.95	0.11	2.95
15,049.0	91.70	2.50	10,392.3	4,690.4	61.3	4,690.8	3.50	3.37	-0.95
15,143.0	90.90	2.50	10,390.2	4,784.3	65.4	4,784.7	0.85	-0.85	0.00
15,238.0	89.80	2.50	10,389.6	4,879.2	69.5	4,879.7	1.16	-1.16	0.00
15,301.0	88.70	1.70	10,390.4	4,942.2	71.8	4,942.7	2.16	-1.75	-1.27
15,340.6	88.70	1.70	10,391.3	4,981.7	73.0	4,982.3	0.00	0.00	0.00
PBHL Gazelle 22 B2NC Fed Com 2H 100°FNL									
15,350.0	88.70	1.70	10,391.5	4,991.1	73.3	4,991.7	0.00	0.00	0.00



Stryker Energy Directional Services
Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Gazelle 22 B2NC Fed Com 2H
Project:	Lea County N. M. Nad (83)	TVD Reference:	3471 + 27 @ 3498.0usft (Patterson 560)
Site:	Section 22-23S-34E Gazelle	MD Reference:	3471 + 27 @ 3498.0usft (Patterson 560)
Well:	Gazelle 22 B2NC Fed Com 2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	EDM5000

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,350.0	10,391.5	4,991.1	73.3	15350.0' Projected to bit

Checked By: _____	Approved By: _____	Date: _____
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STRYKER

DIRECTIONAL

October 1, 2019

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

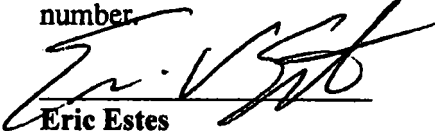
Attn: Jackie Lathan

Re: Mewbourne Oil Company
Gazelle 22 B2NC Federal Com #002H
2nd Bone Spring Sand (B2)
Lea County, New Mexico
API# 30-025-45646

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>
Victor Anguiano	Original Hole	1,123ft. to 15,340ft.	08-01-19 to 08-19-19	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.


Eric 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\Gazelle 22 B2NC Fed Com #2HM191129

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



October 1, 2019

Survey Certification Report

STATE OF TEXAS

COUNTY OF Montgomery

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of August 1, 2019, through August 19, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,123feet to a depth of 15,340feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Gazelle 22 B2NC Federal Com #2H well, API # 30-025-45646 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.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

Eric 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
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 22-23S-34E Gazelle
Well: Gazelle 22 B2NC Fed Com 2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Gazelle 22 B2NC Fed Com 2H
TVD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
MD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Project Lea County N. M. Nad (83)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

Site Section 22-23S-34E Gazelle

Site Position:	Northings:	467,929.50 usft	Latitude:	32° 17' 0.232 N
From: Map	Easting:	810,978.60 usft	Longitude:	103° 27' 38.916 W
Position Uncertainty: 0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well Gazelle 22 B2NC Fed Com 2H

Well Position	+N/-S	0.0 usft	Northings:	467,929.50 usft	Latitude:	32° 17' 0.232 N
	+E/-W	0.0 usft	Easting:	810,978.60 usft	Longitude:	103° 27' 38.916 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	27.0 usft	Ground Level:	3,471.0 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	08/03/19	6.69	60.11	47,782.61391708

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	0.84

Survey Program Date 08/20/19

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1,123.0	15,350.0	Stryker Surveys (Original Hole)	MWD	MWD v3:standard declination



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
 Project: Lea County N. M. Nad (83)
 Site: Section 22-23S-34E Gazelle
 Well: Gazelle 22 B2NC Fed Com 2H
 Wellbore: Original Hole
 Design: Original Hole

Local Co-ordinate Reference: Well Gazelle 22 B2NC Fed Com 2H
 TVD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
 MD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM5000

Survey												
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)		
1,022.0	0.50	59.90	1,022.0	1.7	1.4	2.2	39.47	0.00	467,931.20	810,980.00		
Curry State #002 - Curry Fed #002												
1,123.0	2.50	91.30	1,123.0	1.9	4.0	4.4	64.84	2.07	467,931.37	810,982.58		
1,312.0	0.70	139.00	1,311.9	0.9	8.9	8.9	84.16	1.11	467,930.41	810,987.48		
1,501.0	0.60	132.30	1,500.9	-0.6	10.4	10.4	93.49	0.07	467,928.87	810,988.95		
1,691.0	0.30	122.50	1,690.9	-1.6	11.5	11.6	97.76	0.16	467,927.93	810,990.11		
1,880.0	0.40	97.80	1,879.9	-1.9	12.6	12.7	98.68	0.10	467,927.58	810,991.18		
2,070.0	0.70	67.30	2,069.9	-1.6	14.3	14.4	96.23	0.21	467,927.94	810,992.91		
2,259.0	0.60	56.10	2,258.8	-0.6	16.2	16.2	91.99	0.09	467,928.94	810,994.79		
2,448.0	0.80	52.80	2,447.8	0.8	18.1	18.1	87.51	0.11	467,930.29	810,996.67		
2,637.0	1.00	47.90	2,636.8	2.7	20.3	20.5	82.47	0.11	467,932.19	810,998.94		
2,827.0	1.40	42.60	2,826.8	5.5	23.1	23.8	76.61	0.22	467,935.01	811,001.74		
3,016.0	0.70	138.90	3,015.7	6.3	25.5	26.2	76.02	0.88	467,935.84	811,004.06		
3,205.0	1.10	122.90	3,204.7	4.5	27.7	28.1	80.82	0.25	467,933.98	811,006.35		
3,395.0	1.10	117.10	3,394.7	2.7	30.9	31.0	85.08	0.08	467,932.16	811,009.50		
3,584.0	1.40	134.90	3,583.6	0.2	34.2	34.2	89.65	0.26	467,929.71	811,012.75		
3,773.0	0.50	91.90	3,772.6	-1.5	36.6	36.6	92.27	0.58	467,928.05	811,015.21		
3,963.0	2.20	87.30	3,962.6	-1.3	41.1	41.1	91.82	0.90	467,928.19	811,019.68		
4,152.0	1.60	103.50	4,151.4	-1.8	47.3	47.3	92.12	0.42	467,927.75	811,025.87		
4,341.0	1.10	121.00	4,340.4	-3.3	51.4	51.5	93.68	0.34	467,926.20	811,029.99		
4,530.0	2.80	119.50	4,529.3	-6.5	57.0	57.3	96.52	0.90	467,922.99	811,035.57		
4,719.0	1.00	102.80	4,718.2	-9.1	62.6	63.3	98.32	0.99	467,920.35	811,041.19		
4,908.0	0.90	89.60	4,907.1	-9.5	65.7	66.4	98.23	0.13	467,920.00	811,044.28		
5,004.0	0.90	80.10	5,003.1	-9.4	67.2	67.8	97.94	0.16	467,920.13	811,045.78		
5,101.0	1.10	112.40	5,100.1	-9.6	68.8	69.5	97.94	0.61	467,919.91	811,047.39		
5,290.0	2.60	145.00	5,289.0	-13.8	72.9	74.2	100.71	0.94	467,915.70	811,051.53		
5,480.0	2.20	145.90	5,478.9	-20.3	77.4	80.1	104.72	0.21	467,909.15	811,056.05		



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 22-23S-34E Gazelle
Well: Gazelle 22 B2NC Fed Com 2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Gazelle 22 B2NC Fed Com 2H
TVD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
MD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
5,669.0	3.10	146.90	5,667.6	-27.6	82.3	86.6	108.56	0.48	467,901.87	811,080.87
5,858.0	3.40	146.20	5,856.3	-36.6	88.2	95.5	112.52	0.16	467,892.93	811,086.78
6,047.0	2.80	144.10	6,045.1	-45.0	94.0	104.2	115.56	0.32	467,884.53	811,072.60
6,236.0	3.80	150.10	6,233.8	-54.1	99.8	113.6	118.47	0.58	467,875.37	811,078.43
6,426.0	4.20	146.40	6,423.3	-65.4	106.8	125.2	121.47	0.25	467,864.11	811,085.42
6,615.0	3.90	148.80	6,611.8	-76.7	114.0	137.4	123.92	0.18	467,852.85	811,092.58
6,804.0	3.50	154.50	6,800.4	-87.4	119.8	148.3	126.10	0.29	467,842.14	811,098.39
6,993.0	2.90	141.40	6,989.1	-96.3	125.3	158.0	127.55	0.50	467,833.20	811,103.86
7,182.0	2.70	139.50	7,177.9	-103.4	131.1	167.0	128.26	0.12	467,826.08	811,109.73
7,371.0	2.30	144.40	7,366.7	-109.9	136.2	175.0	128.89	0.24	467,819.61	811,114.83
7,560.0	3.00	136.40	7,555.5	-116.6	141.9	183.6	129.41	0.42	467,812.95	811,120.45
7,749.0	2.60	147.80	7,744.3	-123.8	147.5	192.6	129.99	0.38	467,805.74	811,126.15
7,938.0	2.20	155.60	7,933.1	-130.7	151.3	200.0	130.82	0.27	467,798.80	811,129.93
8,128.0	3.30	139.20	8,122.9	-138.2	156.4	208.7	131.45	0.71	467,791.34	811,135.01
8,317.0	2.90	145.00	8,311.6	-146.2	162.7	218.7	131.94	0.27	467,783.31	811,141.31
8,506.0	2.50	153.10	8,500.4	-153.8	167.3	227.3	132.69	0.29	467,775.72	811,145.91
8,695.0	2.40	153.50	8,689.3	-161.0	170.9	234.8	133.28	0.05	467,768.50	811,149.54
8,884.0	2.20	144.10	8,878.1	-167.5	174.8	242.1	133.77	0.23	467,762.02	811,153.44
9,073.0	3.40	118.00	9,066.9	-173.1	181.9	251.1	133.57	0.91	467,756.45	811,160.51
9,263.0	2.90	155.60	9,256.6	-180.1	188.9	261.0	133.63	1.10	467,749.43	811,167.47
9,452.0	1.50	191.80	9,445.5	-186.8	190.3	266.7	134.47	1.01	467,742.65	811,168.94
9,640.0	2.30	226.50	9,633.4	-191.9	187.1	268.0	135.72	0.73	467,737.64	811,165.70
9,806.3	1.69	326.83	9,799.7	-192.1	183.3	265.5	136.34	1.86	467,737.40	811,161.94
B.B. Gazelle 22 B2NC Fed Com 2H										
9,829.0	2.00	335.70	9,822.3	-191.5	183.0	264.8	136.30	1.86	467,738.04	811,161.59
9,891.0	3.70	349.40	9,884.2	-188.5	182.2	262.2	135.98	2.93	467,740.99	811,160.78
9,923.0	9.00	359.40	9,916.0	-185.0	182.0	259.5	135.47	16.86	467,744.51	811,160.57



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 22-23S-34E Gazelle
Well: Gazelle 22 B2NC Fed Com 2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Gazelle 22 B2NC Fed Com 2H
TVD Reference: 3471 + 27 @ 3488.0usft (Patterson 560)
MD Reference: 3471 + 27 @ 3488.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
9,954.0	14.50	8.30	9,948.4	-178.7	182.5	255.4	134.40	18.63	487,750.78	811,161.10	
9,986.0	19.30	8.40	9,977.0	-169.5	183.9	250.1	132.68	16.00	487,759.98	811,162.45	
10,017.0	23.20	10.10	10,005.9	-158.4	185.7	244.1	130.47	12.74	487,771.07	811,164.27	
10,049.0	25.80	9.10	10,035.0	-145.3	187.9	237.5	127.73	8.23	487,784.15	811,166.48	
10,080.0	28.80	8.70	10,062.5	-131.3	190.1	231.0	124.64	9.70	487,798.20	811,168.68	
10,112.0	31.20	8.60	10,090.2	-115.5	192.5	224.5	120.96	7.50	487,814.01	811,171.08	
10,144.0	33.10	8.80	10,117.3	-98.6	194.8	218.3	116.85	6.58	487,830.89	811,173.37	
10,175.0	34.90	5.00	10,143.0	-81.4	196.6	212.7	112.49	6.74	487,848.13	811,175.16	
10,207.0	36.50	3.10	10,169.0	-62.7	197.9	207.6	107.59	6.08	487,866.75	811,176.47	
10,238.0	40.50	1.90	10,193.3	-43.5	198.7	203.4	102.34	13.13	487,886.03	811,177.31	
10,270.0	45.30	1.30	10,216.7	-21.7	199.3	200.5	96.22	15.05	487,907.79	811,177.91	
10,301.0	48.60	1.20	10,237.9	0.9	199.8	199.8	89.73	10.65	487,930.44	811,178.40	
10,332.0	51.80	0.80	10,257.7	24.7	200.2	201.7	82.95	10.37	487,954.25	811,178.82	
10,364.0	56.70	0.70	10,276.4	50.7	200.6	206.9	75.81	15.31	487,980.21	811,179.18	
10,395.0	59.40	1.00	10,292.8	77.0	200.9	215.2	69.03	8.75	488,006.51	811,179.55	
10,427.0	61.50	0.70	10,308.6	104.8	201.4	227.0	62.60	8.61	488,034.34	811,179.96	
10,458.0	63.20	0.60	10,323.0	132.3	201.7	241.2	56.73	5.49	488,061.80	811,180.27	
10,483.1	65.63	0.92	10,333.8	154.9	202.0	254.5	52.51	9.75	488,084.43	811,180.57	
LP Gazelle 22 B2NC Fed Com 2H											
10,490.0	68.30	1.00	10,336.6	161.2	202.1	258.5	51.41	9.75	488,090.73	811,180.68	
10,521.0	70.40	1.00	10,348.0	190.0	202.8	277.8	46.83	13.23	488,119.54	811,181.18	
10,553.0	72.00	1.10	10,358.3	220.3	203.1	299.7	42.68	5.01	488,149.82	811,181.73	
10,584.0	75.60	1.30	10,367.0	250.1	203.8	322.6	39.17	11.63	488,179.58	811,182.36	
10,615.0	78.80	1.00	10,373.9	280.3	204.4	346.9	36.10	10.37	488,209.80	811,182.96	
10,647.0	81.50	0.80	10,379.3	311.8	204.8	373.1	33.30	8.53	488,241.32	811,183.40	
10,678.0	84.20	0.80	10,383.2	342.6	205.2	399.3	30.92	8.73	488,272.08	811,183.78	
10,710.0	85.60	1.20	10,388.0	374.4	205.7	427.2	28.79	4.55	488,303.94	811,184.34	



Stryker Energy Directional Services

Survey Report Landscape



Company: Mewbourne Oil Company
 Project: Lea County N. M. Nad (83)
 Site: Section 22-23S-34E Gazelle
 Well: Gazelle 22 B2NC Fed Com 2H
 Wellbore: Original Hole
 Design: Original Hole

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well Gazelle 22 B2NC Fed Com 2H
 3471 + 27 @ 3498.0usft (Patterson 560)
 3471 + 27 @ 3498.0usft (Patterson 560)
 Grid
 Minimum Curvature
 EDM5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
10,741.0	88.00	1.40	10,387.8	405.4	206.4	454.9	26.99	7.77	488,334.88	811,185.04	
10,753.0	89.50	1.10	10,388.0	417.4	206.7	465.8	26.35	12.75	488,346.88	811,185.30	
10,880.0	87.70	356.20	10,391.1	544.3	203.7	581.1	20.52	4.11	488,473.76	811,182.31	
10,975.0	90.90	350.60	10,392.3	638.6	192.8	667.0	16.80	6.79	488,568.08	811,171.40	
11,070.0	90.30	350.00	10,391.3	732.2	176.8	753.3	13.57	0.89	488,661.71	811,155.39	
11,165.0	92.40	346.50	10,389.1	825.2	157.5	840.1	10.80	4.30	488,754.68	811,138.06	
11,260.0	91.90	348.10	10,385.5	917.8	138.8	927.9	8.46	1.76	488,847.28	811,115.19	
11,355.0	88.10	348.80	10,385.5	1,010.8	117.6	1,017.7	6.83	4.07	488,940.34	811,096.17	
11,450.0	86.70	348.90	10,389.8	1,103.9	99.2	1,108.4	5.14	1.48	489,033.45	811,077.82	
11,545.0	89.90	350.50	10,392.6	1,197.4	82.2	1,200.2	3.93	3.77	489,126.86	811,080.84	
11,639.0	89.80	349.10	10,392.9	1,289.9	65.6	1,291.5	2.91	1.49	489,219.37	811,044.20	
11,734.0	92.30	352.40	10,391.1	1,383.6	50.3	1,384.5	2.08	4.36	489,313.10	811,028.93	
11,829.0	91.00	358.20	10,388.4	1,478.2	42.6	1,478.8	1.65	6.25	489,407.70	811,021.16	
11,923.0	89.90	356.40	10,387.7	1,572.1	38.1	1,572.6	1.39	2.24	489,501.59	811,016.73	
12,018.0	89.00	1.90	10,388.6	1,667.0	36.7	1,667.4	1.26	5.87	489,596.54	811,015.32	
12,113.0	88.40	1.30	10,390.7	1,762.0	39.4	1,762.4	1.28	0.89	489,691.47	811,017.97	
12,207.0	85.90	359.80	10,395.4	1,855.8	40.3	1,856.3	1.24	3.10	489,785.34	811,018.87	
12,302.0	90.10	1.80	10,398.7	1,950.8	41.8	1,951.2	1.22	4.90	489,880.25	811,020.20	
12,397.0	92.20	5.30	10,398.8	2,045.5	47.5	2,046.1	1.33	4.30	489,975.03	811,026.08	
12,491.0	94.80	6.30	10,391.1	2,138.9	57.0	2,139.8	1.53	2.96	470,068.36	811,035.56	
12,586.0	92.70	6.30	10,384.9	2,233.1	67.4	2,234.1	1.73	2.21	470,162.58	811,045.96	
12,680.0	91.10	1.60	10,381.7	2,326.8	73.8	2,327.9	1.82	5.28	470,256.28	811,052.43	
12,775.0	90.80	359.80	10,380.2	2,421.8	75.0	2,422.9	1.77	1.92	470,351.25	811,053.59	
12,870.0	89.40	356.80	10,380.0	2,516.7	72.2	2,517.7	1.64	3.48	470,446.20	811,050.77	
12,964.0	85.00	356.10	10,384.6	2,610.4	66.4	2,611.2	1.46	4.74	470,539.88	811,044.96	
12,998.0	84.30	355.90	10,387.6	2,642.2	64.1	2,642.9	1.39	2.27	470,571.87	811,042.74	
13,027.0	81.10	357.80	10,391.5	2,672.9	62.4	2,673.6	1.34	11.98	470,602.36	811,041.05	



Stryker Energy Directional Services
Survey Report Landscape



Company: Mewbourne Oil Company
Project: Lea County N. M. Nad (83)
Site: Section 22-23S-34E Gazelle
Well: Gazelle 22 B2NC Fed Com 2H
Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Gazelle 22 B2NC Fed Com 2H
TVD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
MD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
13,080.0	78.90	359.60	10,397.8	2,705.2	61.7	2,705.9	1.31	13.81	470,634.74	811,040.31	
13,092.0	80.30	0.10	10,404.1	2,736.6	61.6	2,737.3	1.29	10.73	470,686.10	811,040.23	
13,123.0	84.70	0.10	10,408.2	2,767.3	61.7	2,768.0	1.28	14.19	470,696.83	811,040.28	
13,155.0	89.80	359.40	10,409.7	2,799.3	61.5	2,800.0	1.26	16.09	470,728.78	811,040.14	
13,186.0	93.40	359.10	10,408.8	2,830.3	61.1	2,830.9	1.24	11.65	470,759.76	811,039.74	
13,218.0	93.10	358.80	10,407.0	2,862.2	60.6	2,862.8	1.21	1.32	470,791.71	811,039.15	
13,250.0	93.20	358.40	10,405.3	2,894.1	59.8	2,894.8	1.18	1.29	470,823.65	811,038.37	
13,344.0	91.70	356.50	10,401.3	2,988.0	55.6	2,988.5	1.07	2.57	470,917.46	811,034.19	
13,439.0	93.10	357.10	10,397.3	3,082.7	50.3	3,083.1	0.93	1.60	471,012.23	811,028.89	
13,534.0	93.10	355.10	10,392.1	3,177.4	43.8	3,177.7	0.79	2.10	471,106.86	811,022.44	
13,628.0	93.40	354.40	10,388.8	3,270.8	35.3	3,271.0	0.62	0.81	471,200.32	811,013.85	
13,723.0	93.20	358.50	10,381.3	3,365.5	29.4	3,365.6	0.50	4.31	471,294.96	811,007.98	
13,818.0	90.60	0.40	10,378.2	3,460.4	28.5	3,460.5	0.47	3.39	471,389.89	811,007.07	
13,912.0	88.20	3.10	10,379.2	3,554.3	31.3	3,554.5	0.51	3.84	471,483.83	811,009.94	
14,007.0	86.70	2.70	10,383.4	3,649.1	36.1	3,649.3	0.57	1.63	471,578.61	811,014.74	
14,101.0	90.00	1.40	10,388.1	3,743.0	39.5	3,743.2	0.60	3.77	471,672.49	811,018.10	
14,196.0	89.40	359.90	10,386.6	3,838.0	40.6	3,838.2	0.61	1.70	471,767.48	811,019.18	
14,291.0	88.40	2.30	10,388.4	3,932.9	42.4	3,933.2	0.62	2.74	471,862.44	811,021.00	
14,385.0	87.70	1.60	10,391.6	4,026.8	45.6	4,027.1	0.65	1.05	471,956.33	811,024.20	
14,480.0	89.50	1.10	10,393.9	4,121.8	47.8	4,122.0	0.66	1.97	472,051.27	811,026.44	
14,575.0	91.30	0.80	10,393.3	4,216.8	49.4	4,217.0	0.67	1.92	472,146.25	811,028.01	
14,669.0	91.40	359.70	10,391.1	4,310.7	49.8	4,311.0	0.68	1.17	472,240.22	811,028.42	
14,764.0	90.80	1.80	10,389.2	4,405.7	51.1	4,406.0	0.66	2.30	472,335.19	811,029.67	
14,859.0	88.40	0.60	10,389.9	4,500.7	53.1	4,501.0	0.68	2.82	472,430.16	811,031.66	
14,954.0	88.50	3.40	10,392.5	4,595.6	56.4	4,595.9	0.70	2.95	472,525.08	811,034.97	
15,049.0	91.70	2.50	10,392.3	4,690.4	61.3	4,690.8	0.75	3.50	472,619.92	811,039.88	
15,143.0	90.80	2.50	10,390.2	4,784.3	65.4	4,784.7	0.78	0.85	472,713.80	811,043.96	



Stryker Energy Directional Services
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Wellbore: Original Hole
Design: Original Hole

Local Co-ordinate Reference: Well Gazelle 22 B2NC Fed Com 2H
TVD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
MD Reference: 3471 + 27 @ 3498.0usft (Patterson 560)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
15,238.0	89.80	2.50	10,389.8	4,879.2	69.5	4,879.7	0.82	1.18	472,808.71	811,048.10
15,301.0	88.70	1.70	10,390.4	4,942.2	71.8	4,942.7	0.83	2.16	472,871.66	811,050.41
15,340.6	88.70	1.70	10,391.3	4,981.7	73.0	4,982.3	0.84	0.00	472,911.23	811,051.58
PBHL Gazelle 22 B2NC Fed Com 2H 100°FNL										
15,350.0	88.70	1.70	10,391.5	4,991.1	73.3	4,991.7	0.84	0.00	472,920.63	811,051.88

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,350.0	10,391.5	4,991.1	73.3	15350.0' Projected to bit

Checked By: _____ Approved By: _____ Date: _____



COMPANY: Mewbourne Oil Company
WELL: Gazelle 22 B2NC Fed Com 2H
COUNTY: Lea County N. M. Nad (83)
DATUM: North American Datum 1983
RIG: Patterson 560

STRYKER
DIRECTIONAL
OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.23°

GEODETIC ZONE: New Mexico Eastern Zone										
3471 + 27 @ 3498.0usft (Patterson 560)										
GROUND ELEVATION: 3471.0										
	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot			
	0.0	0.0	467829.50	810978.60	32° 17' 0.232 N	103° 27' 38.916 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	5100.0	0.00	0.00	5100.0	0.0	0.0	0.00	0.00	0.0	
3	5333.9	3.51	133.07	5333.7	-4.9	5.2	1.50	133.07	-4.8	
4	9574.4	3.51	133.07	9568.3	-182.1	184.8	0.00	0.00	-179.9	
5	9808.2	0.00	0.00	9800.0	-187.0	200.0	1.50	180.00	-184.7	B.B. Gazelle 22 B2NC Fed Com 2H
6	9918.8	0.00	0.00	9910.5	-187.0	200.0	0.00	0.00	-184.7	
7	10668.8	90.00	0.50	10388.0	290.5	204.2	12.00	0.50	292.8	
8	11300.0	90.00	347.88	10388.0	917.2	140.4	2.00	-90.00	918.7	
9	11889.2	90.00	359.68	10388.0	1501.9	76.5	2.00	90.00	1502.7	
10	15369.7	90.00	359.68	10388.0	4982.3	55.8	0.00	0.00	4982.6	PRHL Gazelle 22 B2NC Fed Com 2H 100°FNL

SHL: 200' FSL: 1750' FWL
Section 22-23S-34E
PBHL: 100 FNL: 1850' FWL
Section 22-23S-34E

