

NM OIL CONSERVATION
ARTESIA DISTRICT

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30-015-42090

Mewbourne Oil Company .

Eddy County, New Mexico

Section 8/9-20S-29E Perazzi 9 DA Fed #1H

Perazzi 9 DA Fed #1H

Original Hole

Design: Original Hole

Standard Survey Report

21 May, 2014





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Perazzi 9 DA Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Site:	Section 8/9-20S-29E Perazzi 9 DA Fed #1H	MD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Well:	Perazzi 9 DA Fed #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

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

Site	Section 8/9-20S-29E Perazzi 9 DA Fed #1H		
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Site Position:		Northing:	579,379.16 usft	Latitude:	32° 35' 33.290 N
From:	Map	Easting:	575,375.48 usft	Longitude:	104° 5' 18.945 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.13 °

Well	Perazzi 9 DA Fed #1H				
Well Position	+N/-S	0.0 usft	Northing:	579,379.16 usft	Latitude: 32° 35' 33.290 N
	+E/-W	0.0 usft	Easting:	575,375.48 usft	Longitude: 104° 5' 18.945 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft	Ground Level: 3,287.0 usft

Wellbore	Original Hole				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/24/2014	7.50	60.37	48,497

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	89.71

Survey Program		Date	5/21/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	7,251.0	Survey #1 (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot	
7,326.0	12,456.0	MWD Survey #2 (Original Hole)	MWD	MWD - Standard	

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	0.14	53.14	100.0	0.1	0.1	0.1	0.14	0.14	0.00
200.0	0.05	172.17	200.0	0.1	0.2	0.2	0.17	-0.09	119.03
300.0	0.17	232.34	300.0	0.0	0.1	0.1	0.15	0.12	60.17
400.0	0.28	226.32	400.0	-0.3	-0.2	-0.2	0.11	0.11	-6.02
500.0	0.24	243.62	500.0	-0.6	-0.6	-0.6	0.09	-0.04	17.30
600.0	0.39	22.86	600.0	-0.3	-0.6	-0.6	0.59	0.15	139.24
700.0	0.90	37.79	700.0	0.6	0.0	0.0	0.53	0.51	14.93
800.0	1.25	56.65	800.0	1.8	1.4	1.4	0.49	0.35	18.86
900.0	1.28	54.61	899.9	3.1	3.2	3.2	0.05	0.03	-2.04



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Well:	Perazzi 9 DA Fed #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)
1,000.0	1.41	57.88	999.9	4.4	5.2	5.2	0.15	0.13	3.27
1,100.0	1.50	57.24	1,099.9	5.7	7.3	7.3	0.09	0.09	-0.64
1,200.0	1.51	58.82	1,199.9	7.1	9.5	9.6	0.04	0.01	1.58
1,300.0	1.71	59.75	1,299.8	8.6	11.9	12.0	0.20	0.20	0.93
1,400.0	1.81	62.73	1,399.8	10.0	14.6	14.7	0.14	0.10	2.98
1,500.0	2.88	70.50	1,499.7	11.6	18.4	18.5	1.11	1.07	7.77
1,600.0	4.76	83.79	1,599.5	12.9	24.9	25.0	2.07	1.88	13.29
1,700.0	5.39	73.32	1,699.1	14.7	33.5	33.6	1.12	0.63	-10.47
1,800.0	6.63	61.96	1,798.5	18.7	43.1	43.2	1.71	1.24	-11.36
1,900.0	8.62	52.48	1,897.6	26.0	54.2	54.3	2.35	1.99	-9.48
2,000.0	9.02	46.33	1,996.5	36.0	65.8	66.0	1.02	0.40	-6.15
2,100.0	10.12	45.31	2,095.1	47.6	77.7	77.9	1.11	1.10	-1.02
2,200.0	10.86	39.50	2,193.4	61.0	89.9	90.2	1.29	0.74	-5.81
2,300.0	11.79	32.08	2,291.4	77.0	101.3	101.7	1.73	0.93	-7.42
2,400.0	12.86	31.41	2,389.1	95.1	112.6	113.1	1.08	1.07	-0.67
2,500.0	13.09	35.56	2,486.6	113.8	125.0	125.5	0.96	0.23	4.15
2,600.0	13.28	34.60	2,584.0	132.5	138.1	138.7	0.29	0.19	-0.96
2,700.0	12.86	35.49	2,681.4	151.0	151.1	151.8	0.47	-0.42	0.89
2,800.0	12.23	36.29	2,779.0	168.6	163.8	164.6	0.65	-0.63	0.80
2,900.0	11.65	31.50	2,876.8	185.8	175.3	176.3	1.15	-0.58	-4.79
3,000.0	11.55	29.21	2,974.8	203.1	185.5	186.5	0.47	-0.10	-2.29
3,100.0	11.49	30.65	3,072.8	220.4	195.4	196.6	0.29	-0.06	1.44
3,200.0	10.55	33.24	3,170.9	236.6	205.5	206.7	1.06	-0.94	2.59
3,300.0	10.29	32.94	3,269.3	251.8	215.4	216.7	0.27	-0.26	-0.30
3,400.0	10.21	33.12	3,367.7	266.7	225.1	226.5	0.09	-0.08	0.18
3,500.0	9.42	33.60	3,466.2	280.9	234.5	235.9	0.79	-0.79	0.48
3,600.0	8.30	34.40	3,565.0	293.7	243.1	244.6	1.13	-1.12	0.80
3,700.0	7.28	34.06	3,664.1	304.9	250.7	252.3	1.02	-1.02	-0.34
3,800.0	6.87	33.67	3,763.3	315.1	257.6	259.2	0.41	-0.41	-0.39
3,900.0	6.44	35.57	3,862.7	324.7	264.2	265.8	0.48	-0.43	1.90
4,000.0	5.56	34.22	3,962.1	333.3	270.2	271.8	0.89	-0.88	-1.35
4,100.0	4.75	31.43	4,061.7	340.8	275.0	276.8	0.85	-0.81	-2.79
4,200.0	4.13	27.26	4,161.4	347.5	278.8	280.6	0.70	-0.62	-4.17
4,300.0	3.66	27.56	4,261.2	353.6	282.0	283.8	0.47	-0.47	0.30
4,400.0	3.16	25.19	4,361.0	358.9	284.6	286.4	0.52	-0.50	-2.37
4,500.0	3.02	22.86	4,460.8	363.8	286.8	288.7	0.19	-0.14	-2.33
4,600.0	2.72	20.27	4,560.7	368.5	288.7	290.5	0.33	-0.30	-2.59
4,700.0	2.42	14.41	4,660.6	372.7	290.0	291.9	0.40	-0.30	-5.86
4,800.0	1.99	7.96	4,760.5	376.5	290.8	292.7	0.50	-0.43	-6.45
4,900.0	1.67	358.58	4,860.5	379.7	291.0	292.9	0.44	-0.32	-9.38
5,000.0	1.12	334.68	4,960.5	382.0	290.5	292.5	0.79	-0.55	-23.90
5,100.0	1.12	334.59	5,060.4	383.8	289.7	291.6	0.00	0.00	-0.09
5,200.0	0.83	321.63	5,160.4	385.2	288.8	290.8	0.36	-0.29	-12.96



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Site:	Section 8/9-20S-29E Perazzi 9 DA Fed #1H	MD Reference:	GL 3287 +20 @ 3307.0usft (Patterson #41)
Well:	Perazzi 9 DA Fed #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker EDM

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)
5,300.0	0.60	312.04	5,260.4	386.1	288.0	289.9	0.26	-0.23	-9.59
5,400.0	0.66	291.27	5,360.4	386.7	287.1	289.0	0.23	0.06	-20.77
5,500.0	0.73	283.02	5,460.4	387.1	285.9	287.9	0.12	0.07	-8.25
5,600.0	0.75	262.78	5,560.4	387.1	284.6	286.6	0.26	0.02	-20.24
5,700.0	0.66	270.38	5,660.4	387.0	283.4	285.4	0.13	-0.09	7.60
5,800.0	0.82	275.51	5,760.4	387.1	282.1	284.1	0.17	0.16	5.13
5,900.0	0.94	267.62	5,860.4	387.1	280.6	282.5	0.17	0.12	-7.89
6,000.0	0.96	269.45	5,960.4	387.1	278.9	280.9	0.04	0.02	1.83
6,100.0	1.07	266.11	6,060.3	387.0	277.2	279.1	0.12	0.11	-3.34
6,200.0	1.32	261.36	6,160.3	386.8	275.1	277.0	0.27	0.25	-4.75
6,300.0	1.29	266.20	6,260.3	386.5	272.8	274.8	0.11	-0.03	4.84
6,400.0	1.19	271.85	6,360.3	386.5	270.7	272.6	0.16	-0.10	5.65
6,500.0	1.30	262.56	6,460.2	386.4	268.5	270.5	0.23	0.11	-9.29
6,600.0	1.79	251.28	6,560.2	385.7	265.9	267.8	0.57	0.49	-11.28
6,700.0	2.16	243.64	6,660.2	384.4	262.7	264.7	0.45	0.37	-7.64
6,800.0	1.95	230.10	6,760.1	382.5	259.7	261.7	0.53	-0.21	-13.54
6,900.0	1.46	227.59	6,860.0	380.5	257.5	259.4	0.50	-0.49	-2.51
7,000.0	0.86	205.70	6,960.0	379.0	256.2	258.1	0.74	-0.60	-21.89
7,100.0	0.74	198.36	7,060.0	377.7	255.7	257.6	0.16	-0.12	-7.34
7,200.0	0.87	206.00	7,160.0	376.4	255.2	257.1	0.17	0.13	7.64
7,251.0	1.57	177.27	7,211.0	375.4	255.0	256.9	1.78	1.37	-56.33
7251 MS MD Gyro Survey									
7,326.0	3.40	151.20	7,285.9	372.4	256.1	258.0	2.81	2.44	-34.76
7,358.0	7.40	127.80	7,317.8	370.3	258.2	260.1	14.02	12.50	-73.13
7,390.0	12.30	120.00	7,349.3	367.3	262.8	264.7	15.84	15.31	-24.38
7,421.0	15.70	118.80	7,379.4	363.7	269.3	271.2	11.01	10.97	-3.87
7,453.0	17.70	119.20	7,410.0	359.2	277.4	279.2	6.26	6.25	1.25
7,484.0	19.70	113.90	7,439.4	354.8	286.3	288.1	8.46	6.45	-17.10
7,516.0	22.00	107.70	7,469.3	350.8	296.9	298.7	9.95	7.19	-19.38
7,547.0	24.30	105.10	7,497.8	347.3	308.6	310.4	8.12	7.42	-8.39
7,579.0	25.80	100.40	7,526.8	344.4	321.8	323.6	7.78	4.69	-14.69
7,610.0	27.40	91.70	7,554.5	342.9	335.6	337.3	13.57	5.16	-28.06
7,642.0	29.60	88.80	7,582.6	342.9	350.9	352.6	8.12	6.88	-9.06
7,674.0	32.80	92.30	7,610.0	342.7	367.4	369.2	11.49	10.00	10.94
7,705.0	35.30	95.40	7,635.7	341.5	384.7	386.5	9.82	8.06	10.00
7,737.0	38.10	96.70	7,661.3	339.5	403.8	405.5	9.08	8.75	4.06
7,768.0	41.70	97.20	7,685.1	337.1	423.5	425.2	11.66	11.61	1.61
7,800.0	45.20	96.50	7,708.3	334.5	445.3	447.0	11.04	10.94	-2.19
7,831.0	48.50	95.30	7,729.5	332.2	467.8	469.5	11.01	10.65	-3.87
7,863.0	51.40	93.70	7,750.1	330.2	492.2	493.9	9.84	9.06	-5.00
7,894.0	53.80	92.10	7,769.0	329.0	516.8	518.5	8.76	7.74	-5.16
7,926.0	55.70	91.90	7,787.4	328.1	543.0	544.6	5.96	5.94	-0.63
7,956.3	57.78	92.94	7,804.1	327.0	568.3	569.9	7.45	6.87	3.44
LP Perazzi 9 DA Fed #1H									



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Well:	Perazzi 9 DA Fed #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)
7,958.0	57.90	93.00	7,805.0	326.9	569.7	571.4	7.45	6.89	3.36
7,990.0	62.10	94.90	7,821.0	325.0	597.3	599.0	14.10	13.13	5.94
8,022.0	66.00	96.00	7,835.0	322.3	626.0	627.6	12.57	12.19	3.44
8,053.0	70.20	96.30	7,846.5	319.2	654.6	656.2	13.58	13.55	0.97
8,085.0	74.10	96.10	7,856.3	315.9	684.8	686.4	12.20	12.19	-0.63
8,117.0	77.50	95.10	7,864.2	312.9	715.7	717.3	11.05	10.63	-3.13
8,149.0	80.10	93.90	7,870.4	310.4	747.0	748.6	8.92	8.13	-3.75
8,181.0	81.90	93.20	7,875.4	308.5	778.5	780.1	6.03	5.63	-2.19
8,212.0	83.50	93.20	7,879.3	306.8	809.2	810.8	5.16	5.16	0.00
8,244.0	85.40	93.50	7,882.4	304.9	841.0	842.6	6.01	5.94	0.94
8,328.0	89.50	92.40	7,886.2	300.6	924.8	926.3	5.05	4.88	-1.31
8,360.0	89.30	93.00	7,886.5	299.1	956.8	958.3	1.98	-0.63	1.88
8,391.0	88.90	92.60	7,887.0	297.6	987.8	989.2	1.82	-1.29	-1.29
8,423.0	88.40	92.60	7,887.7	296.1	1,019.7	1,021.2	1.56	-1.56	0.00
8,486.0	89.00	92.40	7,889.2	293.4	1,082.6	1,084.1	1.00	0.95	-0.32
8,550.0	88.10	92.30	7,890.8	290.7	1,146.6	1,148.0	1.41	-1.41	-0.16
8,581.0	87.60	92.80	7,891.9	289.4	1,177.5	1,179.0	2.28	-1.61	1.61
8,645.0	88.40	93.00	7,894.2	286.1	1,241.4	1,242.8	1.29	1.25	0.31
8,708.0	88.30	92.80	7,896.0	282.9	1,304.3	1,305.7	0.35	-0.16	-0.32
8,772.0	87.70	94.00	7,898.2	279.1	1,368.1	1,369.5	2.10	-0.94	1.88
8,835.0	87.00	94.00	7,901.1	274.7	1,430.9	1,432.3	1.11	-1.11	0.00
8,898.0	87.40	94.70	7,904.2	270.0	1,493.6	1,495.0	1.28	0.63	1.11
8,961.0	88.30	93.70	7,906.6	265.4	1,556.4	1,557.8	2.13	1.43	-1.59
9,024.0	88.20	93.50	7,908.5	261.4	1,619.3	1,620.6	0.35	-0.16	-0.32
9,056.0	87.70	93.30	7,909.7	259.5	1,651.2	1,652.5	1.68	-1.56	-0.63
9,151.0	89.00	92.40	7,912.4	254.8	1,746.0	1,747.3	1.66	1.37	-0.95
9,245.0	88.60	91.90	7,914.4	251.3	1,840.0	1,841.2	0.68	-0.43	-0.53
9,340.0	90.30	92.30	7,915.3	247.8	1,934.9	1,936.1	1.84	1.79	0.42
9,435.0	89.90	90.90	7,915.1	245.1	2,029.8	2,031.1	1.53	-0.42	-1.47
9,529.0	89.90	92.30	7,915.3	242.5	2,123.8	2,125.0	1.49	0.00	1.49
9,624.0	87.10	94.40	7,917.8	237.0	2,218.6	2,219.8	3.68	-2.95	2.21
9,719.0	87.90	94.20	7,921.9	229.8	2,313.2	2,314.4	0.87	0.84	-0.21
9,814.0	87.80	95.10	7,925.5	222.2	2,407.9	2,408.9	0.95	-0.11	0.95
9,909.0	87.70	95.40	7,929.2	213.5	2,502.4	2,503.4	0.33	-0.11	0.32
10,003.0	88.60	95.10	7,932.2	204.9	2,595.9	2,596.9	1.01	0.96	-0.32
10,098.0	90.50	92.80	7,933.0	198.3	2,690.7	2,691.7	3.14	2.00	-2.42
10,193.0	89.00	90.90	7,933.4	195.3	2,785.6	2,786.6	2.55	-1.58	-2.00
10,288.0	88.30	91.70	7,935.6	193.1	2,880.6	2,881.5	1.12	-0.74	0.84
10,382.0	88.70	92.30	7,938.1	189.8	2,974.5	2,975.4	0.77	0.43	0.64
10,477.0	88.50	93.50	7,940.4	185.0	3,069.3	3,070.2	1.28	-0.21	1.26
10,572.0	89.70	94.20	7,941.9	178.6	3,164.1	3,165.0	1.46	1.26	0.74
10,667.0	89.50	94.90	7,942.6	171.1	3,258.8	3,259.6	0.77	-0.21	0.74
10,762.0	89.00	96.00	7,943.8	162.1	3,353.4	3,354.2	1.27	-0.53	1.16



Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Perazzi 9 DA Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Site:	Section 8/9-20S-29E Perazzi 9 DA Fed #1H	MD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Well:	Perazzi 9 DA Fed #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker EDM

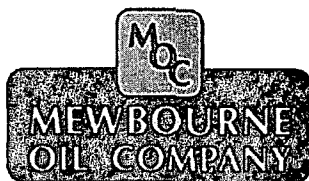
Survey

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)
10,857.0	92.50	96.80	7,942.6	151.5	3,447.8	3,448.5	3.78	3.68	0.84
10,951.0	89.40	96.00	7,941.0	141.0	3,541.2	3,541.8	3.41	-3.30	-0.85
11,046.0	87.60	96.50	7,943.5	130.7	3,635.5	3,636.2	1.97	-1.89	0.53
11,141.0	87.10	95.10	7,947.9	121.1	3,730.0	3,730.5	1.56	-0.53	-1.47
11,236.0	87.20	95.40	7,952.6	112.4	3,824.4	3,825.0	0.33	0.11	0.32
11,331.0	89.30	94.90	7,955.5	103.9	3,919.0	3,919.5	2.27	2.21	-0.53
11,426.0	89.40	94.90	7,956.6	95.8	4,013.7	4,014.1	0.11	0.11	0.00
11,521.0	87.90	93.50	7,958.8	88.8	4,108.4	4,108.8	2.16	-1.58	-1.47
11,615.0	88.60	95.40	7,961.7	81.5	4,202.0	4,202.4	2.15	0.74	2.02
11,710.0	87.80	93.50	7,964.7	74.2	4,296.7	4,297.0	2.17	-0.84	-2.00
11,805.0	89.70	94.70	7,966.7	67.4	4,391.4	4,391.7	2.37	2.00	1.26
11,900.0	88.80	94.70	7,968.0	59.6	4,486.1	4,486.3	0.95	-0.95	0.00
11,995.0	88.20	94.00	7,970.5	52.4	4,580.8	4,581.0	0.97	-0.63	-0.74
12,092.0	87.50	93.50	7,974.1	46.0	4,677.5	4,677.7	0.89	-0.72	-0.52
12,185.0	88.50	94.00	7,977.4	40.0	4,770.3	4,770.4	1.20	1.08	0.54
12,279.0	90.70	95.10	7,978.0	32.5	4,864.0	4,864.1	2.62	2.34	1.17
12,374.0	89.30	95.10	7,978.0	24.1	4,958.6	4,958.6	1.47	-1.47	0.00
12,406.0	89.20	94.90	7,978.4	21.3	4,990.5	4,990.5	0.70	-0.31	-0.63
12,456.0	89.10	94.90	7,979.2	17.0	5,040.3	5,040.3	0.20	-0.20	0.00

12456' MD Projected to Bit - PBHL

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,251.0	7,211.0	375.4	255.0	7251' MS MD Gyro Survey
12,456.0	7,979.2	17.0	5,040.3	12456' MD Projected to Bit



Mewbourne Oil Company .

Eddy County, New Mexico

Section 8/9-20S-29E Perazzi 9 DA Fed #1H

Perazzi 9 DA Fed #1H

Original Hole

Design: Original Hole

Survey Report - Geographic

21 May, 2014





Stryker Directional Survey Report - Geographic



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Perazzi 9 DA Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Site:	Section 8/9-20S-29E Perazzi 9 DA Fed #1H	MD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Well:	Perazzi 9 DA Fed #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker EDM

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

Site						Section 8/9-20S-29E Perazzi 9 DA Fed #1H					
Site Position:				Northing:		579,379.16 usft		Latitude:		32° 35' 33.290 N	
From:		Map		Easting:		575,375.48 usft		Longitude:		104° 5' 18.945 W	
Position Uncertainty:		0.0 usft		Slot Radius:		13-3/16 "		Grid Convergence:		0.13 °	

Well							Perazzi 9 DA Fed #1H						
Well Position	+N/-S		0.0 usft		Northing:		579,379.16 usft		Latitude:		32° 35' 33.290 N		
	+E/-W		0.0 usft		Easting:		575,375.48 usft		Longitude:		104° 5' 18.945 W		
Position Uncertainty			0.0 usft		Wellhead Elevation:		0.0 usft		Ground Level:		3,287.0 usft		

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/24/2014	7.50	60.37	48,497

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	89.71

Survey Program	Date 5/21/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,251.0	Survey #1 (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot
7,326.0	12,456.0	MWD Survey #2 (Original Hole)	MWD	MWD - Standard

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	579,379.16	575,375.48	32° 35' 33.290 N	104° 5' 18.945 W
100.0	0.14	53.14	100.0	0.1	0.1	579,379.24	575,375.58	32° 35' 33.291 N	104° 5' 18.944 W
200.0	0.05	172.17	200.0	0.1	0.2	579,379.27	575,375.68	32° 35' 33.291 N	104° 5' 18.942 W
300.0	0.17	232.34	300.0	0.0	0.1	579,379.13	575,375.57	32° 35' 33.289 N	104° 5' 18.944 W
400.0	0.28	226.32	400.0	-0.3	-0.2	579,378.87	575,375.28	32° 35' 33.287 N	104° 5' 18.947 W
500.0	0.24	243.62	500.0	-0.6	-0.6	579,378.61	575,374.91	32° 35' 33.284 N	104° 5' 18.951 W
600.0	0.39	22.86	600.0	-0.3	-0.6	579,378.83	575,374.86	32° 35' 33.287 N	104° 5' 18.952 W
700.0	0.90	37.79	700.0	0.6	0.0	579,379.77	575,375.47	32° 35' 33.296 N	104° 5' 18.945 W
800.0	1.25	56.65	800.0	1.8	1.4	579,380.99	575,376.86	32° 35' 33.308 N	104° 5' 18.928 W
900.0	1.28	54.61	899.9	3.1	3.2	579,382.23	575,378.68	32° 35' 33.320 N	104° 5' 18.907 W
1,000.0	1.41	57.88	999.9	4.4	5.2	579,383.53	575,380.64	32° 35' 33.333 N	104° 5' 18.884 W



Stryker Directional Survey Report - Geographic



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Perazzi 9 DA Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Site:	Section 8/9-20S-29E Perazzi 9 DA Fed #1H	MD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Well:	Perazzi 9 DA Fed #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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,100.0	1.50	57.24	1,099.9	5.7	7.3	579,384.90	575,382.78	32° 35' 33.346 N	104° 5' 18.859 W
1,200.0	1.51	58.82	1,199.9	7.1	9.5	579,386.29	575,385.01	32° 35' 33.360 N	104° 5' 18.833 W
1,300.0	1.71	59.75	1,299.8	8.6	11.9	579,387.72	575,387.42	32° 35' 33.374 N	104° 5' 18.805 W
1,400.0	1.81	62.73	1,399.8	10.0	14.6	579,389.19	575,390.12	32° 35' 33.389 N	104° 5' 18.773 W
1,500.0	2.88	70.50	1,499.7	11.6	18.4	579,390.76	575,393.89	32° 35' 33.404 N	104° 5' 18.729 W
1,600.0	4.76	83.79	1,599.5	12.9	24.9	579,392.04	575,400.38	32° 35' 33.417 N	104° 5' 18.653 W
1,700.0	5.39	73.32	1,699.1	14.7	33.5	579,393.84	575,409.01	32° 35' 33.434 N	104° 5' 18.552 W
1,800.0	6.63	61.96	1,798.5	18.7	43.1	579,397.90	575,418.60	32° 35' 33.474 N	104° 5' 18.440 W
1,900.0	8.62	52.48	1,897.6	26.0	54.2	579,405.18	575,429.64	32° 35' 33.546 N	104° 5' 18.311 W
2,000.0	9.02	46.33	1,996.5	36.0	65.8	579,415.16	575,441.26	32° 35' 33.645 N	104° 5' 18.175 W
2,100.0	10.12	45.31	2,095.1	47.6	77.7	579,426.75	575,453.17	32° 35' 33.759 N	104° 5' 18.035 W
2,200.0	10.86	39.50	2,193.4	61.0	89.9	579,440.20	575,465.41	32° 35' 33.892 N	104° 5' 17.892 W
2,300.0	11.79	32.08	2,291.4	77.0	101.3	579,456.13	575,476.83	32° 35' 34.049 N	104° 5' 17.758 W
2,400.0	12.86	31.41	2,389.1	95.1	112.6	579,474.28	575,488.06	32° 35' 34.228 N	104° 5' 17.626 W
2,500.0	13.09	35.56	2,486.6	113.8	125.0	579,492.99	575,500.44	32° 35' 34.413 N	104° 5' 17.481 W
2,600.0	13.28	34.60	2,584.0	132.5	138.1	579,511.66	575,513.55	32° 35' 34.598 N	104° 5' 17.327 W
2,700.0	12.86	35.49	2,681.4	151.0	151.1	579,530.17	575,526.53	32° 35' 34.781 N	104° 5' 17.175 W
2,800.0	12.23	36.29	2,779.0	168.6	163.8	579,547.77	575,539.26	32° 35' 34.955 N	104° 5' 17.026 W
2,900.0	11.65	31.50	2,876.8	185.8	175.3	579,564.92	575,550.81	32° 35' 35.124 N	104° 5' 16.890 W
3,000.0	11.55	29.21	2,974.8	203.1	185.5	579,582.27	575,560.97	32° 35' 35.295 N	104° 5' 16.771 W
3,100.0	11.49	30.65	3,072.8	220.4	195.4	579,599.57	575,570.93	32° 35' 35.466 N	104° 5' 16.654 W
3,200.0	10.55	33.24	3,170.9	236.6	205.5	579,615.80	575,581.03	32° 35' 35.627 N	104° 5' 16.536 W
3,300.0	10.29	32.94	3,269.3	251.8	215.4	579,630.95	575,590.90	32° 35' 35.776 N	104° 5' 16.420 W
3,400.0	10.21	33.12	3,367.7	266.7	225.1	579,645.87	575,600.60	32° 35' 35.924 N	104° 5' 16.306 W
3,500.0	9.42	33.60	3,466.2	280.9	234.5	579,660.11	575,609.97	32° 35' 36.065 N	104° 5' 16.196 W
3,600.0	8.30	34.40	3,565.0	293.7	243.1	579,672.88	575,618.58	32° 35' 36.191 N	104° 5' 16.095 W
3,700.0	7.28	34.06	3,664.1	304.9	250.7	579,684.08	575,626.21	32° 35' 36.301 N	104° 5' 16.006 W
3,800.0	6.87	33.67	3,763.3	315.1	257.6	579,694.31	575,633.07	32° 35' 36.403 N	104° 5' 15.925 W
3,900.0	6.44	35.57	3,862.7	324.7	264.2	579,703.85	575,639.65	32° 35' 36.497 N	104° 5' 15.848 W
4,000.0	5.56	34.22	3,962.1	333.3	270.2	579,712.42	575,645.63	32° 35' 36.581 N	104° 5' 15.778 W
4,100.0	4.75	31.43	4,061.7	340.8	275.0	579,719.96	575,650.52	32° 35' 36.656 N	104° 5' 15.721 W
4,200.0	4.13	27.26	4,161.4	347.5	278.8	579,726.69	575,654.33	32° 35' 36.722 N	104° 5' 15.676 W
4,300.0	3.66	27.56	4,261.2	353.6	282.0	579,732.72	575,657.45	32° 35' 36.782 N	104° 5' 15.639 W
4,400.0	3.16	25.19	4,361.0	358.9	284.6	579,738.05	575,660.10	32° 35' 36.835 N	104° 5' 15.608 W
4,500.0	3.02	22.86	4,460.8	363.8	286.8	579,742.97	575,662.30	32° 35' 36.883 N	104° 5' 15.582 W
4,600.0	2.72	20.27	4,560.7	368.5	288.7	579,747.62	575,664.14	32° 35' 36.929 N	104° 5' 15.561 W
4,700.0	2.42	14.41	4,660.6	372.7	290.0	579,751.89	575,665.49	32° 35' 36.972 N	104° 5' 15.545 W
4,800.0	1.99	7.96	4,760.5	376.5	290.8	579,755.66	575,666.26	32° 35' 37.009 N	104° 5' 15.536 W
4,900.0	1.67	358.58	4,860.5	379.7	291.0	579,758.83	575,666.46	32° 35' 37.040 N	104° 5' 15.533 W
5,000.0	1.12	334.68	4,960.5	382.0	290.5	579,761.17	575,666.01	32° 35' 37.063 N	104° 5' 15.538 W
5,100.0	1.12	334.59	5,060.4	383.8	289.7	579,762.94	575,665.17	32° 35' 37.081 N	104° 5' 15.548 W
5,200.0	0.83	321.63	5,160.4	385.2	288.8	579,764.39	575,664.30	32° 35' 37.095 N	104° 5' 15.558 W
5,300.0	0.60	312.04	5,260.4	386.1	288.0	579,765.31	575,663.46	32° 35' 37.104 N	104° 5' 15.568 W
5,400.0	0.66	291.27	5,360.4	386.7	287.1	579,765.87	575,662.54	32° 35' 37.110 N	104° 5' 15.579 W
5,500.0	0.73	283.02	5,460.4	387.1	285.9	579,766.22	575,661.38	32° 35' 37.113 N	104° 5' 15.592 W
5,600.0	0.75	262.78	5,560.4	387.1	284.6	579,766.28	575,660.11	32° 35' 37.114 N	104° 5' 15.607 W
5,700.0	0.66	270.38	5,660.4	387.0	283.4	579,766.20	575,658.88	32° 35' 37.113 N	104° 5' 15.622 W
5,800.0	0.82	275.51	5,760.4	387.1	282.1	579,766.27	575,657.60	32° 35' 37.114 N	104° 5' 15.637 W
5,900.0	0.94	267.62	5,860.4	387.1	280.6	579,766.31	575,656.06	32° 35' 37.114 N	104° 5' 15.655 W
6,000.0	0.96	269.45	5,960.4	387.1	278.9	579,766.27	575,654.41	32° 35' 37.114 N	104° 5' 15.674 W
6,100.0	1.07	266.11	6,060.3	387.0	277.2	579,766.20	575,652.64	32° 35' 37.113 N	104° 5' 15.695 W
6,200.0	1.32	261.36	6,160.3	386.8	275.1	579,765.96	575,650.57	32° 35' 37.111 N	104° 5' 15.719 W
6,300.0	1.29	266.20	6,260.3	386.5	272.8	579,765.71	575,648.31	32° 35' 37.109 N	104° 5' 15.745 W
6,400.0	1.19	271.85	6,360.3	386.5	270.7	579,765.67	575,646.14	32° 35' 37.108 N	104° 5' 15.771 W
6,500.0	1.30	262.56	6,460.2	386.4	268.5	579,765.56	575,643.98	32° 35' 37.107 N	104° 5' 15.796 W



Stryker Directional Survey Report - Geographic



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Perazzi 9 DA Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Site:	Section 8/9-20S-29E Perazzi 9 DA Fed #1H	MD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Well:	Perazzi 9 DA Fed #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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,600.0	1.79	251.28	6,560.2	385.7	265.9	579,764.91	575,641.38	32° 35' 37.101 N	104° 5' 15.826 W
6,700.0	2.16	243.64	6,660.2	384.4	262.7	579,763.57	575,638.21	32° 35' 37.088 N	104° 5' 15.863 W
6,800.0	1.95	230.10	6,760.1	382.5	259.7	579,761.64	575,635.22	32° 35' 37.069 N	104° 5' 15.898 W
6,900.0	1.46	227.59	6,860.0	380.5	257.5	579,759.69	575,632.97	32° 35' 37.050 N	104° 5' 15.925 W
7,000.0	0.86	205.70	6,960.0	379.0	256.2	579,758.16	575,631.70	32° 35' 37.034 N	104° 5' 15.940 W
7,100.0	0.74	198.36	7,060.0	377.7	255.7	579,756.87	575,631.18	32° 35' 37.022 N	104° 5' 15.946 W
7,200.0	0.87	206.00	7,160.0	376.4	255.2	579,755.57	575,630.64	32° 35' 37.009 N	104° 5' 15.952 W
7,251.0	1.57	177.27	7,211.0	375.4	255.0	579,754.53	575,630.50	32° 35' 36.998 N	104° 5' 15.954 W
7251' MS MD Gyro Survey									
7,326.0	3.40	151.20	7,285.9	372.4	256.1	579,751.55	575,631.62	32° 35' 36.969 N	104° 5' 15.941 W
7,358.0	7.40	127.80	7,317.8	370.3	258.2	579,749.46	575,633.71	32° 35' 36.948 N	104° 5' 15.916 W
7,390.0	12.30	120.00	7,349.3	367.3	262.8	579,746.49	575,638.29	32° 35' 36.919 N	104° 5' 15.863 W
7,421.0	15.70	118.80	7,379.4	363.7	269.3	579,742.81	575,644.83	32° 35' 36.882 N	104° 5' 15.786 W
7,453.0	17.70	119.20	7,410.0	359.2	277.4	579,738.35	575,652.87	32° 35' 36.838 N	104° 5' 15.693 W
7,484.0	19.70	113.90	7,439.4	354.8	286.3	579,733.94	575,661.76	32° 35' 36.794 N	104° 5' 15.589 W
7,516.0	22.00	107.70	7,469.3	350.8	296.9	579,729.93	575,672.41	32° 35' 36.754 N	104° 5' 15.464 W
7,547.0	24.30	105.10	7,497.8	347.3	308.6	579,726.50	575,684.10	32° 35' 36.720 N	104° 5' 15.328 W
7,579.0	25.80	100.40	7,526.8	344.4	321.8	579,723.53	575,697.31	32° 35' 36.690 N	104° 5' 15.174 W
7,610.0	27.40	91.70	7,554.5	342.9	335.6	579,722.10	575,711.08	32° 35' 36.676 N	104° 5' 15.013 W
7,642.0	29.60	88.80	7,582.6	342.9	350.9	579,722.05	575,726.34	32° 35' 36.675 N	104° 5' 14.834 W
7,674.0	32.80	92.30	7,610.0	342.7	367.4	579,721.86	575,742.91	32° 35' 36.673 N	104° 5' 14.641 W
7,705.0	35.30	95.40	7,635.7	341.5	384.7	579,720.68	575,760.22	32° 35' 36.661 N	104° 5' 14.438 W
7,737.0	38.10	96.70	7,661.3	339.5	403.8	579,718.66	575,779.23	32° 35' 36.640 N	104° 5' 14.216 W
7,768.0	41.70	97.20	7,685.1	337.1	423.5	579,716.25	575,798.97	32° 35' 36.616 N	104° 5' 13.985 W
7,800.0	45.20	96.50	7,708.3	334.5	445.3	579,713.63	575,820.82	32° 35' 36.589 N	104° 5' 13.730 W
7,831.0	48.50	95.30	7,729.5	332.2	467.8	579,711.31	575,843.31	32° 35' 36.566 N	104° 5' 13.467 W
7,863.0	51.40	93.70	7,750.1	330.2	492.2	579,709.40	575,867.73	32° 35' 36.546 N	104° 5' 13.182 W
7,894.0	53.80	92.10	7,769.0	329.0	516.8	579,708.16	575,892.32	32° 35' 36.534 N	104° 5' 12.895 W
7,926.0	55.70	91.90	7,787.4	328.1	543.0	579,707.25	575,918.43	32° 35' 36.524 N	104° 5' 12.589 W
7,956.3	57.78	92.94	7,804.1	327.0	568.3	579,706.17	575,943.76	32° 35' 36.513 N	104° 5' 12.293 W
LP Perazzi 9 DA Fed #1H									
7,958.0	57.90	93.00	7,805.0	326.9	569.7	579,706.10	575,945.18	32° 35' 36.512 N	104° 5' 12.277 W
7,990.0	62.10	94.90	7,821.0	325.0	597.3	579,704.18	575,972.82	32° 35' 36.492 N	104° 5' 11.954 W
8,022.0	66.00	96.00	7,835.0	322.3	626.0	579,701.44	576,001.46	32° 35' 36.465 N	104° 5' 11.619 W
8,053.0	70.20	96.30	7,846.5	319.2	654.6	579,698.36	576,030.05	32° 35' 36.434 N	104° 5' 11.285 W
8,085.0	74.10	96.10	7,856.3	315.9	684.8	579,695.07	576,060.33	32° 35' 36.400 N	104° 5' 10.931 W
8,117.0	77.50	95.10	7,864.2	312.9	715.7	579,692.05	576,091.20	32° 35' 36.370 N	104° 5' 10.570 W
8,149.0	80.10	93.90	7,870.4	310.4	747.0	579,689.59	576,122.49	32° 35' 36.345 N	104° 5' 10.205 W
8,181.0	81.90	93.20	7,875.4	308.5	778.5	579,687.63	576,154.03	32° 35' 36.324 N	104° 5' 9.836 W
8,212.0	83.50	93.20	7,879.3	306.8	809.2	579,685.92	576,184.73	32° 35' 36.307 N	104° 5' 9.477 W
8,244.0	85.40	93.50	7,882.4	304.9	841.0	579,684.05	576,216.52	32° 35' 36.288 N	104° 5' 9.106 W
8,328.0	89.50	92.40	7,886.2	300.6	924.8	579,679.74	576,300.31	32° 35' 36.243 N	104° 5' 8.126 W
8,360.0	89.30	93.00	7,886.5	299.1	956.8	579,678.23	576,332.27	32° 35' 36.227 N	104° 5' 7.753 W
8,391.0	88.90	92.60	7,887.0	297.6	987.8	579,676.72	576,363.23	32° 35' 36.212 N	104° 5' 7.391 W
8,423.0	88.40	92.60	7,887.7	296.1	1,019.7	579,675.27	576,395.19	32° 35' 36.197 N	104° 5' 7.017 W
8,486.0	89.00	92.40	7,889.2	293.4	1,082.6	579,672.52	576,458.11	32° 35' 36.168 N	104° 5' 6.282 W
8,550.0	88.10	92.30	7,890.8	290.7	1,146.6	579,669.89	576,522.04	32° 35' 36.140 N	104° 5' 5.535 W
8,581.0	87.60	92.80	7,891.9	289.4	1,177.5	579,668.52	576,552.99	32° 35' 36.126 N	104° 5' 5.173 W
8,645.0	88.40	93.00	7,894.2	286.1	1,241.4	579,665.28	576,616.86	32° 35' 36.093 N	104° 5' 4.427 W
8,708.0	88.30	92.80	7,896.0	282.9	1,304.3	579,662.09	576,679.76	32° 35' 36.060 N	104° 5' 3.692 W
8,772.0	87.70	94.00	7,898.2	279.1	1,368.1	579,658.30	576,743.60	32° 35' 36.021 N	104° 5' 2.945 W
8,835.0	87.00	94.00	7,901.1	274.7	1,430.9	579,653.91	576,806.38	32° 35' 35.976 N	104° 5' 2.212 W
8,898.0	87.40	94.70	7,904.2	270.0	1,493.6	579,649.14	576,869.13	32° 35' 35.927 N	104° 5' 1.478 W
8,961.0	88.30	93.70	7,906.6	265.4	1,556.4	579,644.53	576,931.91	32° 35' 35.880 N	104° 5' 0.745 W
9,024.0	88.20	93.50	7,908.5	261.4	1,619.3	579,640.57	576,994.76	32° 35' 35.839 N	104° 5' 0.010 W



Stryker Directional Survey Report - Geographic



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Perazzi 9 DA Fed #1H
Project:	Eddy County, New Mexico	TVD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Site:	Section 8/9-20S-29E Perazzi 9 DA Fed #1H	MD Reference:	GL 3287 + 20 @ 3307.0usft (Patterson #41)
Well:	Perazzi 9 DA Fed #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)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,056.0	87.70	93.30	7,909.7	259.5	1,651.2	579,638.68	577,026.68	32° 35' 35.820 N	104° 4' 59.637 W
9,151.0	89.00	92.40	7,912.4	254.8	1,746.0	579,633.96	577,121.52	32° 35' 35.771 N	104° 4' 58.529 W
9,245.0	88.60	91.90	7,914.4	251.3	1,840.0	579,630.43	577,215.43	32° 35' 35.734 N	104° 4' 57.431 W
9,340.0	90.30	92.30	7,915.3	247.8	1,934.9	579,626.95	577,310.36	32° 35' 35.697 N	104° 4' 56.321 W
9,435.0	89.90	90.90	7,915.1	245.1	2,029.8	579,624.30	577,405.32	32° 35' 35.669 N	104° 4' 55.212 W
9,529.0	89.90	92.30	7,915.3	242.5	2,123.8	579,621.67	577,499.28	32° 35' 35.641 N	104° 4' 54.113 W
9,624.0	87.10	94.40	7,917.8	237.0	2,218.6	579,616.13	577,594.07	32° 35' 35.583 N	104° 4' 53.005 W
9,719.0	87.90	94.20	7,921.9	229.8	2,313.2	579,609.01	577,688.72	32° 35' 35.511 N	104° 4' 51.899 W
9,814.0	87.80	95.10	7,925.5	222.2	2,407.9	579,601.31	577,783.33	32° 35' 35.432 N	104° 4' 50.794 W
9,909.0	87.70	95.40	7,929.2	213.5	2,502.4	579,592.63	577,877.86	32° 35' 35.344 N	104° 4' 49.689 W
10,003.0	88.60	95.10	7,932.2	204.9	2,595.9	579,584.03	577,971.42	32° 35' 35.257 N	104° 4' 48.596 W
10,098.0	90.50	92.80	7,933.0	198.3	2,690.7	579,577.49	578,066.18	32° 35' 35.190 N	104° 4' 47.488 W
10,193.0	89.00	90.90	7,933.4	195.3	2,785.6	579,574.42	578,161.12	32° 35' 35.157 N	104° 4' 46.378 W
10,288.0	88.30	91.70	7,935.6	193.1	2,880.6	579,572.27	578,256.07	32° 35' 35.134 N	104° 4' 45.269 W
10,382.0	88.70	92.30	7,938.1	189.8	2,974.5	579,568.99	578,349.98	32° 35' 35.099 N	104° 4' 44.171 W
10,477.0	88.50	93.50	7,940.4	185.0	3,069.3	579,564.18	578,444.83	32° 35' 35.049 N	104° 4' 43.063 W
10,572.0	89.70	94.20	7,941.9	178.6	3,164.1	579,557.80	578,539.60	32° 35' 34.984 N	104° 4' 41.955 W
10,667.0	89.50	94.90	7,942.6	171.1	3,258.8	579,550.27	578,634.30	32° 35' 34.907 N	104° 4' 40.848 W
10,762.0	89.00	96.00	7,943.8	162.1	3,353.4	579,541.25	578,728.86	32° 35' 34.816 N	104° 4' 39.743 W
10,857.0	92.50	96.80	7,942.6	151.5	3,447.8	579,530.66	578,823.24	32° 35' 34.709 N	104° 4' 38.640 W
10,951.0	89.40	96.00	7,941.0	141.0	3,541.2	579,520.19	578,916.63	32° 35' 34.603 N	104° 4' 37.549 W
11,046.0	87.60	96.50	7,943.5	130.7	3,635.5	579,509.85	579,011.03	32° 35' 34.498 N	104° 4' 36.446 W
11,141.0	87.10	95.10	7,947.9	121.1	3,730.0	579,500.26	579,105.44	32° 35' 34.401 N	104° 4' 35.343 W
11,236.0	87.20	95.40	7,952.6	112.4	3,824.4	579,491.57	579,199.92	32° 35' 34.313 N	104° 4' 34.238 W
11,331.0	89.30	94.90	7,955.5	103.9	3,919.0	579,483.05	579,294.49	32° 35' 34.226 N	104° 4' 33.133 W
11,426.0	89.40	94.90	7,956.6	95.8	4,013.7	579,474.94	579,389.14	32° 35' 34.144 N	104° 4' 32.027 W
11,521.0	87.90	93.50	7,958.8	88.8	4,108.4	579,467.98	579,483.85	32° 35' 34.073 N	104° 4' 30.920 W
11,615.0	88.60	95.40	7,961.7	81.5	4,202.0	579,460.69	579,577.52	32° 35' 33.998 N	104° 4' 29.826 W
11,710.0	87.80	93.50	7,964.7	74.2	4,296.7	579,453.33	579,672.18	32° 35' 33.923 N	104° 4' 28.719 W
11,805.0	89.70	94.70	7,966.7	67.4	4,391.4	579,446.53	579,766.91	32° 35' 33.854 N	104° 4' 27.612 W
11,900.0	88.80	94.70	7,968.0	59.6	4,486.1	579,438.75	579,861.58	32° 35' 33.774 N	104° 4' 26.506 W
11,995.0	88.20	94.00	7,970.5	52.4	4,580.8	579,431.55	579,956.27	32° 35' 33.701 N	104° 4' 25.399 W
12,092.0	87.50	93.50	7,974.1	46.0	4,677.5	579,425.21	580,053.00	32° 35' 33.636 N	104° 4' 24.269 W
12,185.0	88.50	94.00	7,977.4	40.0	4,770.3	579,419.13	580,145.74	32° 35' 33.573 N	104° 4' 23.185 W
12,279.0	90.70	95.10	7,978.0	32.5	4,864.0	579,411.67	580,239.43	32° 35' 33.497 N	104° 4' 22.090 W
12,374.0	89.30	95.10	7,978.0	24.1	4,958.6	579,403.23	580,334.06	32° 35' 33.411 N	104° 4' 20.984 W
12,406.0	89.20	94.90	7,978.4	21.3	4,990.5	579,400.44	580,365.93	32° 35' 33.383 N	104° 4' 20.612 W
12,456.0	89.10	94.90	7,979.2	17.0	5,040.3	579,396.17	580,415.74	32° 35' 33.339 N	104° 4' 20.030 W

12456' MD Projected to Bit - PBHL

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
7,251.0	7,211.0	375.4	255.0	7251' MS MD Gyro Survey
12,456.0	7,979.2	17.0	5,040.3	12456' MD Projected to Bit



COMPANY: Newbourne Oil Company
 WELL: Perazzi 9 DA Fed #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson #41

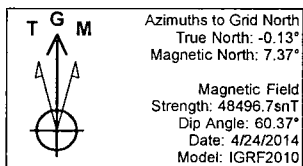


OFFICE: 936.582.7296

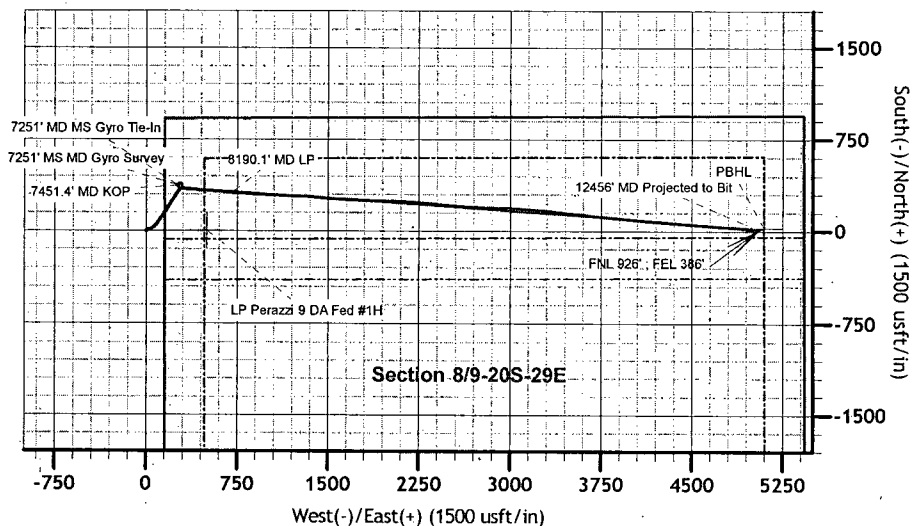
GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.37°

GEODETIC ZONE: New Mexico East 3001 GL 3287 + 20 @ 3307.0usft (Patterson #41) GROUND ELEVATION: 3287.0						Slot
+N/-S 0.0	+E/-W 0.0	Northing 579379.16	Easting 575375.48	Latitude 32° 35' 33.290 N	Longitude 104° 5' 18.945 W	

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	7251.0	1.57	177.27	7211.0	375.4	255.0	0.00	0.00	256.9	
2	7451.4	1.57	177.27	7411.3	369.9	255.3	0.00	0.00	257.2	
3	8190.1	88.82	93.92	7887.0	325.3	721.0	12.00	-83.39	722.6	
4	12576.8	88.82	93.92	7977.0	25.8	5096.6	0.00	0.00	5096.6	PBHL



There is a well that is Northwest of SHL of this well. The Thompson 8 Federal #2H. It looks to be approx 140' away. We have no information on.



NM OIL CONSERVATION
 ARTESIA DISTRICT

JUN 10 2014

RECEIVED

