

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
Perazzi 9 DA Federal 1H
EDDY

041-0124

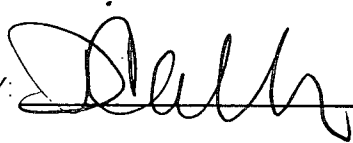
STATE OF NEW MEXICO
DEVIATION REPORT

359	0.35
676	0.88
926	1.05
1,374	1.40
1,761	1.28
2,191	0.72
2,601	1.25
3,013	1.32
3,304	9.72
3,470	9.30
3,565	8.20
3,778	6.60
4,094	4.50
4,409	3.10
4,730	2.20
5,112	1.20
5,484	0.80
5,800	0.70
6,115	1.20
6,533	1.90
6,935	1.30

30 015 42090

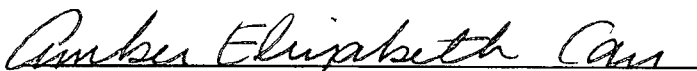
STATE OF TEXAS

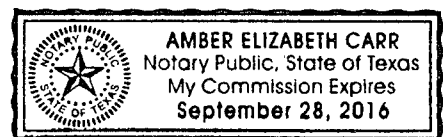
COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on
Daisy Carrillo on behalf of Patterson-UTI Drilling Company LLC.

6/9/14, by


Notary Public for Midland County, Texas
My Commission Expires:





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



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

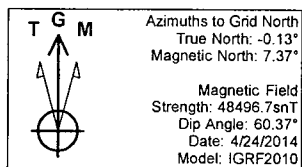
OFFICE: 936.582.7296

GEODETTIC ZONE: New Mexico East 3001
 GL 3287 + 20 @ 3307.0usft (Patterson #41)
 GROUND ELEVATION: 3287.0

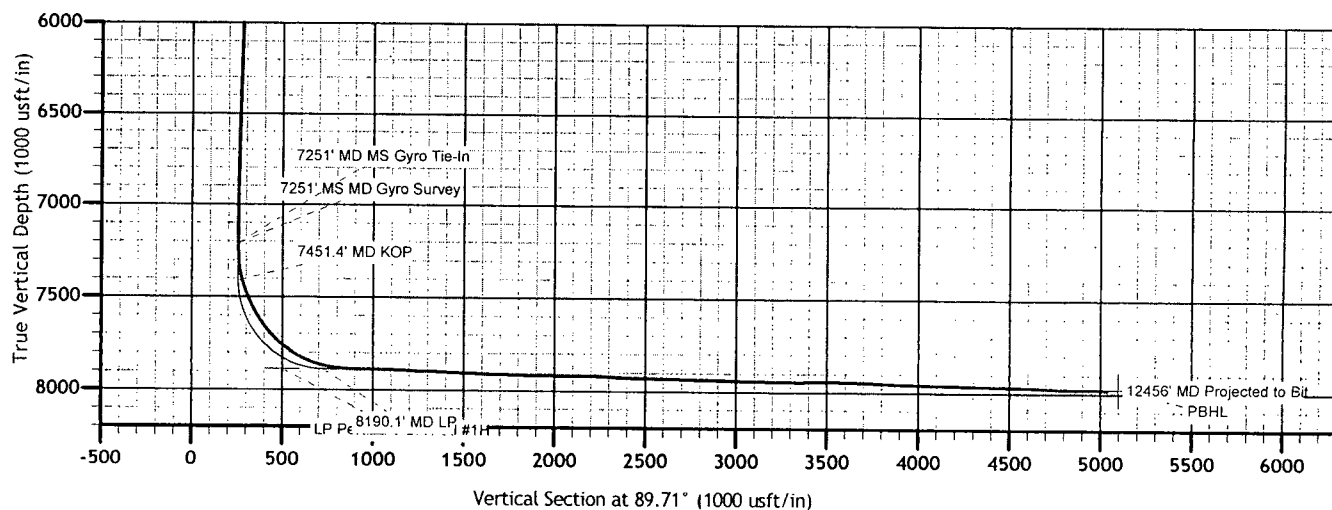
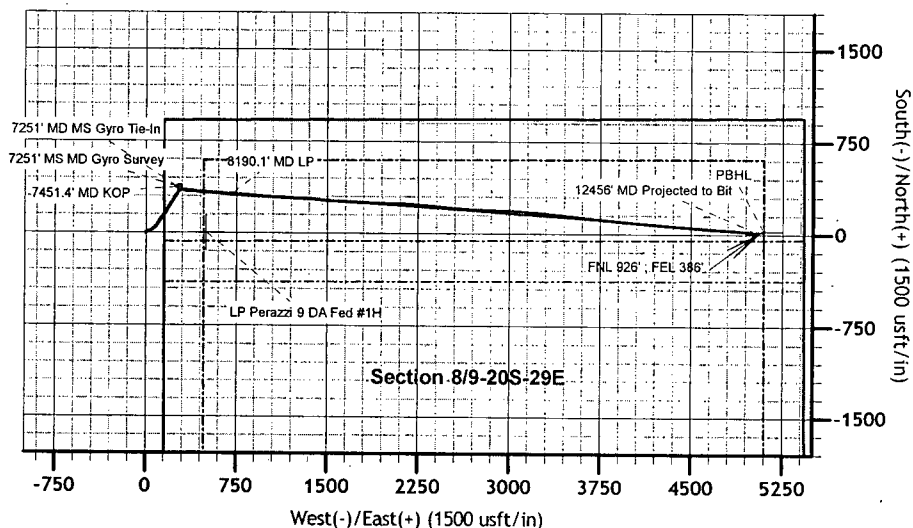
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	579379.16	575375.48	32° 35' 33.290 N	104° 5' 18.945 W	

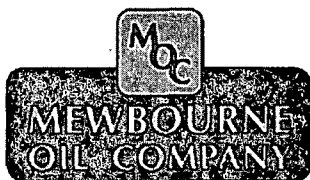
PLAN SECTIONS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	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.





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		
-------------	--	--	--

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)	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



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

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



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)	
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



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)
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

Operating Company Mewbourne Oil Co.
Well Name & Number Perazzi 9 DA Fed
Sales Ticket Number 6394560
Date 5/21/2014

Company Rep Ski Cherinko
Field 0
BOT Service Rep Anthony Thomas
District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	830000	6.276	6.151	LTC / 8RD	0.03826	8,295.00	9,960	6,230
Top Liner	4.000	13.50	0	3.920	3.795	LTC / 8RD	0.01493	4,375.00	12,410	10,680
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD	7979.00		KOP	7309.00		Open Hole	6.125	Casing Vol. (bbl)		306.5
Carry Fluid Weight (ppg)	8.4		Propant Content (ppa)				Max Drill Out Size		0	

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
Liner Top	1	10292414	JR Silv w 4.750" Alt Seal Bore ID	8011.30	4.00	5.750	3.913			

Zone Length	H4090400008	S-3 Casing Hanger/Packer	8015.30	4.64	5.875	3.875				
	H299900281	Combo Collar (4-1/2 LT&C)	8019.94	0.58	5.000					
	H299710014	4-1/2" 13.5# LT&C Spacer Nipple	8020.52	7.50	4.500	3.920				
		8 Jnts 4-1/2" 13.5# LT&C csg	8028.02	331.99	4.500	3.920				
	H810090200	3.500" EXPress Sleeve (Zone 20)	8360.01	2.40	5.630		3.448	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	8362.41	127.21	4.500	3.920				
	H409360008	582 OH PACKER #19	8489.62	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	8493.51	127.28	4.500	3.920				
	H810090199	3.438" EXPress Sleeve (Zone 19)	8620.79	2.40	5.630		3.385	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	8623.19	84.09	4.500	3.920				
	H409360008	582 OH PACKER #18	8707.28	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	8711.17	84.70	4.500	3.920				
	H810090198	3.375" EXPress Sleeve (Zone 18)	8795.87	2.40	5.630		3.323	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	8798.27	84.60	4.500	3.920				
	H409360008	582 OH PACKER #17	8882.87	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	8886.76	127.18	4.500	3.920				
	H810090197	3.313" EXPress Sleeve (Zone 17)	9013.94	2.40	5.630		3.260	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	9016.34	83.54	4.500	3.920				
	H409360008	582 OH PACKER #16	9099.88	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	9103.77	127.79	4.500	3.920				
	H810090196	3.250" EXPress Sleeve (Zone 16)	9231.56	2.40	5.630		3.198	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	9233.96	83.15	4.500	3.920				

Operating Company Mewbourne Oil Co.
Well Name & Number Perazzi 9 DA Fed
Sales Ticket Number 6394560

Company Rep Ski Cherinko
Field 0
BOT Service Rep Anthony Thomas



Date 5/21/2014

District Location Odessa, TX

	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse			
Casing	7.000	26.00	830000	6.276	6.151	LTC / 8RD	0.03826	8,295.00	9,960	6,230			
Top Liner	4.000	13.50	0	3.920	3.795	LTC / 8RD	0.01493	4,375.00	12,410	10,680			
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-			
TVD		7979.00		KOP		7309.00		Open Hole		6.125	Casing Vol. (bbl)	306.5	
Carry Fluid Weight (ppg)			8.4		Propant Content (ppa)						Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
	H409360008	582 OH PACKER #15	9317.11	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	9321.00	124.59	4.500	3.920				
	H810090195	3.188" EXPress Sleeve (Zone 15)	9445.59	2.40	5.630		3.135	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	9447.99	83.16	4.500	3.920				
	H409360008	582 OH PACKER #14	9531.15	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	9535.04	125.52	4.500	3.920				
	H810090194	3.125" EXPress Sleeve (Zone 14)	9660.56	2.40	5.630		3.073	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	9662.96	85.08	4.500	3.920				
	H409360008	582 OH PACKER #13	9748.04	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	9751.93	127.77	4.500	3.920				
	H810090193	3.063" EXPress Sleeve (Zone 13)	9879.70	2.40	5.630		3.010	2286	226	307
		2 Jnts 4-1/2" 13.5# LT&C csg	9882.10	84.97	4.500	3.920				
	H409360008	582 OH PACKER #12	9967.07	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	9970.96	84.81	4.500	3.920				
	H810090192	3.00" EXPress Sleeve (Zone 12)	10055.77	2.40	5.630		2.948	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	10058.17	84.93	4.500	3.920				
	H409360008	582 OH PACKER #11	10143.10	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	10146.99	126.12	4.500	3.920				
	H810090191	2.938" EXPress Sleeve (Zone 11)	10273.11	2.40	5.630		2.885	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	10275.51	127.12	4.500	3.920				
	H409360008	582 OH PACKER #10	10402.63	3.89	5.820	3.875		2154		
		3 Jnts 4-1/2" 13.5# LT&C csg	10406.52	126.96	4.500	3.920				
	H810090190	2.875" EXPress Sleeve (Zone 10)	10533.48	2.40	5.630		2.823	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	10535.88	85.17	4.500	3.920				
	H409360008	582 OH PACKER #9	10621.05	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	10624.94	84.69	4.500	3.920				

Operating Company Mewbourne Oil Co.
Well Name & Number Perazzi 9 DA Fed
Sales Ticket Number 6394560
Date 5/21/2014

Company Rep Ski Cherinko
Field 0
BOT Service Rep Anthony Thomas
District Location Odessa, TX



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	830000	6.276	6.151	LTC / 8RD	0.03826	8,295.00	9,960	6,230
Top Liner	4.000	13.50	0	3.920	3.795	LTC / 8RD	0.01493	4,375.00	12,410	10,680
Bott Liner	0.000	0.00	0	0.000	0.000	0	0.00000	-	-	-
TVD		7979.00	KOP		7309.00	Open Hole		6.125	Casing Vol. (bbl)	306.5
Carry Fluid Weight (ppg)		8.4	Propant Content (ppa)				Max Drill Out Size		0	

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
	H810090189	2.813" EXPress Sleeve (Zone 9)	10709.63	2.40	5.630		2.760	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	10712.03	126.54	4.500	3.920				
	H409360008	582 OH PACKER #8	10838.57	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	10842.46	83.67	4.500	3.920				
	H810090188	2.750" EXPress Sleeve (Zone 8)	10926.13	2.40	5.630		2.698	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	10928.53	127.06	4.500	3.920				
	H409360008	582 OH PACKER #7	11055.59	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	11059.48	84.74	4.500	3.920				
	H810090187	2.688" EXPress Sleeve (Zone 7)	11144.22	2.40	5.630		2.635	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	11146.62	126.75	4.500	3.920				
	H409360008	582 OH PACKER #6	11273.37	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	11277.26	84.54	4.500	3.920				
	H810090186	2.625" EXPress Sleeve (Zone 6)	11361.80	2.40	5.630		2.573	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	11364.20	127.32	4.500	3.920				
	H409360008	582 OH PACKER #5	11491.52	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	11495.41	81.98	4.500	3.920				
	H810090185	2.563" EXPress Sleeve (Zone 5)	11577.39	2.40	5.630		2.510	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	11579.79	84.77	4.500	3.920				
	H409360008	582 OH PACKER #4	11664.56	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	11668.45	85.10	4.500	3.920				
	H810090184	2.500" EXPress Sleeve (Zone 4)	11753.55	2.40	5.630		2.448	2286		
		3 Jnts 4-1/2" 13.5# LT&C csg	11755.95	125.04	4.500	3.920				
	H409360008	582 OH PACKER #3	11880.99	3.89	5.820	3.875		2154		
		2 Jnts 4-1/2" 13.5# LT&C csg	11884.88	83.22	4.500	3.920				
	H810090183	2.438" EXPress Sleeve (Zone 3)	11968.10	2.40	5.630		2.385	2286		
		2 Jnts 4-1/2" 13.5# LT&C csg	11970.50	85.15	4.500	3.920				

Company Rep	Ski Cherinko
Field	0
BOT Service Rep	Anthony Thomas



District Location	Odessa, TX
--------------------------	------------

[illegible]