



NM OIL CONSERVATION

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Mewbourne Oil Company .

Eddy County, New Mexico

Section 12-7 -19S-29E Zircon 12/7 B2ON Fed Com #1H

Zircon 12/7 B2ON Fed Com #1H

Original Hole

Design: Original Hole

Standard Survey Report

11 January, 2016

Provide signature page for Survey





Stryker Directional Survey Report



Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zircon 12/7 B2ON Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3391 + 27 @ 3418.0usft (Patterson 250)
Site:	Section 12-7 -19S-29E Zircon 12/7 B2ON Fed Com #1H	MD Reference:	3391 + 27 @ 3418.0usft (Patterson 250)
Well:	Zircon 12/7 B2ON Fed Com #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 12-7 -19S-29E Zircon 12/7 B2ON Fed Com #1H			
Site Position:		Northing:	609,260.90 usft	Latitude: 32° 40' 28.533 N
From:	Map	Easting:	593,222.20 usft	Longitude: 104° 1' 49.343 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.16 °

Well	Zircon 12/7 B2ON Fed Com #1H			
Well Position	+N/-S	0.0 usft	Northing:	609,260.90 usft
	+E/-W	0.0 usft	Easting:	593,222.20 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	27.0 usft
			Ground Level:	3,391.0 usft

Wellbore	Original Hole			
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/14/2015	7.36	60.42	48,312

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	111.00

Survey Program		Date 1/11/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,300.0	VES Gyro Survey (Original Hole)	SRG-GYRO-MS	surface readout gyro multishot
7,311.0	14,550.0	MWD Survey (Original Hole)	MWD	MWD v3:standard declination

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.60	226.09	100.0	-0.4	-0.4	-0.2	0.60	0.60	0.00
200.0	2.34	214.68	200.0	-2.4	-1.9	-0.9	1.76	1.74	-11.41
300.0	2.23	220.82	299.9	-5.6	-4.3	-2.1	0.27	-0.11	6.14
400.0	2.14	232.87	399.8	-8.2	-7.1	-3.7	0.47	-0.09	12.05
500.0	1.61	253.96	499.8	-9.7	-9.9	-5.8	0.86	-0.53	21.09
600.0	1.34	249.22	599.7	-10.5	-12.4	-7.8	0.30	-0.27	-4.74
700.0	0.78	234.49	699.7	-11.3	-14.0	-9.1	0.62	-0.56	-14.73
800.0	0.65	247.68	799.7	-11.9	-15.1	-9.9	0.21	-0.13	13.19



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Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
900.0	0.37	262.87	899.7	-12.2	-16.0	-10.5	0.31	-0.28	15.19
1,000.0	0.13	259.13	999.7	-12.2	-16.4	-10.9	0.24	-0.24	-3.74
1,100.0	0.46	71.54	1,099.7	-12.1	-16.1	-10.7	0.59	0.33	172.41
1,200.0	1.28	71.85	1,199.7	-11.6	-14.7	-9.5	0.82	0.82	0.31
1,300.0	1.30	65.08	1,299.7	-10.8	-12.6	-7.9	0.15	0.02	-6.77
1,400.0	0.97	48.80	1,399.6	-9.8	-10.9	-6.7	0.46	-0.33	-16.28
1,500.0	0.78	43.75	1,499.6	-8.7	-9.8	-6.0	0.20	-0.19	-5.05
1,600.0	0.94	31.74	1,599.6	-7.5	-8.9	-5.6	0.24	0.16	-12.01
1,700.0	1.01	7.43	1,699.6	-6.0	-8.4	-5.7	0.42	0.07	-24.31
1,800.0	1.28	23.70	1,799.6	-4.1	-7.8	-5.8	0.42	0.27	16.27
1,900.0	1.90	14.68	1,899.5	-1.4	-6.9	-6.0	0.67	0.62	-9.02
2,000.0	2.36	13.14	1,999.5	2.2	-6.1	-6.4	0.46	0.46	-1.54
2,100.0	2.48	356.56	2,099.4	6.3	-5.7	-7.6	0.71	0.12	-16.58
2,200.0	2.51	11.97	2,199.3	10.6	-5.4	-8.8	0.67	0.03	15.41
2,300.0	2.45	359.87	2,299.2	14.9	-4.9	-10.0	0.53	-0.06	-12.10
2,400.0	2.35	6.67	2,399.1	19.1	-4.7	-11.2	0.30	-0.10	6.80
2,500.0	2.07	3.92	2,499.0	22.9	-4.3	-12.3	0.30	-0.28	-2.75
2,600.0	2.07	5.02	2,599.0	26.5	-4.1	-13.3	0.04	0.00	1.10
2,700.0	2.11	348.89	2,698.9	30.1	-4.3	-14.8	0.59	0.04	-16.13
2,800.0	2.20	353.04	2,798.8	33.8	-4.8	-16.7	0.18	0.09	4.15
2,900.0	2.28	350.09	2,898.8	37.7	-5.4	-18.6	0.14	0.08	-2.95
3,000.0	2.51	344.69	2,998.7	41.8	-6.3	-20.9	0.32	0.23	-5.40
3,100.0	2.41	345.51	3,098.6	45.9	-7.4	-23.4	0.11	-0.10	0.82
3,200.0	2.82	348.44	3,198.5	50.4	-8.5	-26.0	0.43	0.41	2.93
3,300.0	2.99	359.27	3,298.3	55.4	-9.0	-28.2	0.57	0.17	10.83
3,400.0	2.95	353.13	3,398.2	60.6	-9.3	-30.4	0.32	-0.04	-6.14
3,500.0	3.12	338.99	3,498.1	65.7	-10.6	-33.4	0.77	0.17	-14.14
3,600.0	2.96	350.78	3,597.9	70.7	-12.0	-36.6	0.64	-0.16	11.79
3,700.0	2.64	349.86	3,697.8	75.6	-12.8	-39.1	0.32	-0.32	-0.92
3,800.0	2.39	346.81	3,797.7	79.9	-13.7	-41.4	0.28	-0.25	-3.05
3,900.0	2.18	343.58	3,897.6	83.7	-14.7	-43.7	0.25	-0.21	-3.23
4,000.0	2.06	343.54	3,997.6	87.3	-15.8	-46.0	0.12	-0.12	-0.04
4,100.0	1.49	330.27	4,097.5	90.1	-16.9	-48.1	0.70	-0.57	-13.27
4,200.0	0.62	302.67	4,197.5	91.5	-18.0	-49.6	0.98	-0.87	-27.60
4,300.0	1.02	275.22	4,297.5	91.9	-19.4	-51.0	0.55	0.40	-27.45
4,400.0	1.75	268.43	4,397.5	91.9	-21.8	-53.3	0.75	0.73	-6.79
4,500.0	2.97	278.34	4,497.4	92.3	-25.9	-57.2	1.28	1.22	9.91
4,600.0	3.30	278.10	4,597.2	93.1	-31.3	-62.6	0.33	0.33	-0.24
4,700.0	3.74	284.28	4,697.0	94.3	-37.3	-68.6	0.58	0.44	6.18
4,800.0	3.76	293.88	4,796.8	96.4	-43.4	-75.1	0.63	0.02	9.60
4,900.0	3.60	297.24	4,896.6	99.2	-49.2	-81.5	0.27	-0.16	3.36
5,000.0	3.33	299.13	4,996.4	102.0	-54.6	-87.5	0.29	-0.27	1.89



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Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,100.0	3.65	309.06	5,096.3	105.4	-59.6	-93.4	0.68	0.32	9.93	
5,200.0	3.65	300.53	5,196.0	109.1	-64.8	-99.6	0.54	0.00	-8.53	
5,300.0	3.83	300.03	5,295.8	112.3	-70.4	-106.0	0.18	0.18	-0.50	
5,400.0	4.52	305.79	5,395.6	116.3	-76.5	-113.1	0.81	0.69	5.76	
5,500.0	4.85	310.93	5,495.2	121.4	-82.9	-120.9	0.53	0.33	5.14	
5,600.0	5.26	304.75	5,594.8	126.8	-89.9	-129.3	0.68	0.41	-6.18	
5,700.0	5.54	300.41	5,694.4	131.8	-97.8	-138.5	0.49	0.28	-4.34	
5,800.0	5.90	305.57	5,793.9	137.3	-106.1	-148.3	0.63	0.36	5.16	
5,900.0	6.27	306.78	5,893.3	143.5	-114.7	-158.5	0.39	0.37	1.21	
6,000.0	3.41	308.16	5,993.0	148.6	-121.4	-166.6	2.86	-2.86	1.38	
6,100.0	1.61	287.94	6,092.9	150.9	-125.1	-170.8	1.98	-1.80	-20.22	
6,200.0	1.48	267.50	6,192.8	151.3	-127.7	-173.4	0.56	-0.13	-20.44	
6,300.0	1.57	266.54	6,292.8	151.1	-130.4	-175.9	0.09	0.09	-0.96	
6,400.0	1.89	279.54	6,392.8	151.3	-133.4	-178.7	0.50	0.32	13.00	
6,500.0	2.50	293.23	6,492.7	152.5	-137.0	-182.5	0.80	0.61	13.69	
6,600.0	2.78	290.11	6,592.6	154.2	-141.3	-187.1	0.31	0.28	-3.12	
6,700.0	2.61	295.50	6,692.5	156.0	-145.6	-191.8	0.30	-0.17	5.39	
6,800.0	2.04	290.33	6,792.4	157.6	-149.3	-195.9	0.61	-0.57	-5.17	
6,900.0	1.79	293.16	6,892.3	158.8	-152.4	-199.2	0.27	-0.25	2.83	
7,000.0	1.71	287.30	6,992.3	159.9	-155.3	-202.3	0.20	-0.08	-5.86	
7,100.0	1.62	288.52	7,092.2	160.8	-158.1	-205.2	0.10	-0.09	1.22	
7,200.0	0.96	293.07	7,192.2	161.5	-160.2	-207.4	0.67	-0.66	4.55	
7,300.0	0.95	283.00	7,292.2	162.0	-161.7	-209.1	0.17	-0.01	-10.07	
7300' MD VES Gyro Survey										
7,311.0	0.90	163.70	7,303.2	162.0	-161.8	-209.1	14.51	-0.45	-1,084.55	
7,343.0	4.30	154.40	7,335.2	160.7	-161.2	-208.1	10.67	10.63	-29.06	
7,374.0	7.80	149.70	7,366.0	157.8	-159.7	-205.6	11.39	11.29	-15.16	
7,406.0	11.30	149.50	7,397.5	153.2	-157.0	-201.4	10.94	10.94	-0.63	
7,438.0	14.30	149.30	7,428.7	147.1	-153.4	-195.9	9.38	9.38	-0.63	
7,469.0	18.00	153.90	7,458.5	139.5	-149.3	-189.4	12.62	11.94	14.84	
7,500.0	20.70	155.40	7,487.8	130.2	-144.9	-182.0	8.86	8.71	4.84	
7,532.0	24.30	156.20	7,517.3	119.1	-139.9	-173.3	11.29	11.25	2.50	
7,563.0	28.40	155.80	7,545.1	106.5	-134.3	-163.5	13.24	13.23	-1.29	
7,595.0	32.00	154.70	7,572.7	91.9	-127.5	-152.0	11.38	11.25	-3.44	
7,626.0	35.70	154.70	7,598.5	76.3	-120.2	-139.5	11.94	11.94	0.00	
7,657.0	39.60	157.20	7,623.0	59.0	-112.5	-126.1	13.51	12.58	8.06	
7,689.0	43.00	160.80	7,647.1	39.3	-104.9	-112.0	12.96	10.63	11.25	
7,720.0	45.90	163.90	7,669.2	18.6	-98.4	-98.5	11.68	9.35	10.00	
7,751.0	48.40	163.70	7,690.3	-3.2	-92.0	-84.8	8.08	8.06	-0.65	
7,783.0	50.70	162.20	7,711.0	-26.5	-84.9	-69.7	8.02	7.19	-4.69	
7,814.0	53.30	162.50	7,730.1	-49.8	-77.5	-54.5	8.42	8.39	0.97	
7,846.0	55.00	161.40	7,748.9	-74.4	-69.4	-38.1	6.00	5.31	-3.44	
7,877.0	57.70	160.20	7,766.0	-98.8	-60.9	-21.5	9.29	8.71	-3.87	



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7,909.0	60.70	159.50	7,782.4	-124.6	-51.5	-3.4	9.56	9.38	-2.19
7,940.0	64.60	159.40	7,796.7	-150.4	-41.8	14.9	12.58	12.58	-0.32
7,972.0	67.30	160.80	7,809.7	-177.9	-31.9	34.0	9.34	8.44	4.38
8,003.0	69.80	161.80	7,821.0	-205.2	-22.6	52.4	8.61	8.06	3.23
8,035.0	72.00	162.40	7,831.5	-234.0	-13.3	71.4	7.10	6.88	1.88
8,066.0	74.60	162.00	7,840.4	-262.2	-4.3	90.0	8.48	8.39	-1.29
8,098.0	76.60	161.40	7,848.4	-291.7	5.5	109.6	6.51	6.25	-1.88
8,129.0	77.40	161.40	7,855.4	-320.3	15.1	128.9	2.58	2.58	0.00
8,161.0	78.00	161.10	7,862.2	-349.9	25.2	148.9	2.09	1.88	-0.94
8,192.0	78.30	160.90	7,868.5	-378.6	35.0	168.4	1.16	0.97	-0.65
8,224.0	78.00	159.30	7,875.1	-408.0	45.7	188.9	4.98	-0.94	-5.00
8,255.0	77.80	158.30	7,881.6	-436.3	56.7	209.3	3.22	-0.65	-3.23
8,287.0	78.20	158.00	7,888.3	-465.3	68.3	230.5	1.55	1.25	-0.94
8,318.0	78.50	158.00	7,894.5	-493.5	79.7	251.2	0.97	0.97	0.00
8,350.0	78.70	157.70	7,900.8	-522.5	91.5	272.7	1.11	0.63	-0.94
8,381.0	79.10	157.50	7,906.8	-550.7	103.1	293.6	1.44	1.29	-0.65
8,413.0	79.40	157.10	7,912.8	-579.7	115.2	315.3	1.55	0.94	-1.25
8,444.0	78.70	157.50	7,918.7	-607.7	127.0	336.3	2.59	-2.26	1.29
8,476.0	77.60	157.70	7,925.2	-636.7	138.9	357.9	3.49	-3.44	0.63
8,507.0	77.30	157.50	7,932.0	-664.7	150.4	378.7	1.15	-0.97	-0.65
8,539.0	77.30	157.10	7,939.0	-693.5	162.5	400.2	1.22	0.00	-1.25
8,570.0	77.10	156.40	7,945.9	-721.3	174.4	421.3	2.29	-0.65	-2.26
8,602.0	77.10	156.40	7,953.0	-749.8	186.9	443.2	0.00	0.00	0.00
8,633.0	76.80	156.00	7,960.0	-777.5	199.1	464.5	1.59	-0.97	-1.29
8,665.0	76.50	155.90	7,967.4	-805.9	211.8	486.5	0.99	-0.94	-0.31
8,696.0	76.40	155.60	7,974.7	-833.4	224.2	507.9	0.99	-0.32	-0.97
8,728.0	76.40	155.40	7,982.2	-861.7	237.1	530.1	0.61	0.00	-0.63
8,759.0	76.70	155.30	7,989.4	-889.1	249.6	551.7	1.02	0.97	-0.32
8,791.0	76.30	153.70	7,996.9	-917.2	263.0	574.2	5.02	-1.25	-5.00
8,822.0	76.30	151.60	8,004.2	-943.9	276.9	596.8	6.58	0.00	-6.77
8,854.0	75.80	149.10	8,011.9	-970.9	292.2	620.8	7.74	-1.56	-7.81
8,885.0	75.90	147.10	8,019.5	-996.4	308.1	644.7	6.26	0.32	-6.45
8,917.0	76.50	144.70	8,027.2	-1,022.1	325.5	670.2	7.52	1.88	-7.50
8,948.0	76.90	142.30	8,034.3	-1,046.4	343.5	695.7	7.64	1.29	-7.74
8,980.0	77.10	141.10	8,041.5	-1,070.9	362.8	722.5	3.71	0.63	-3.75
9,011.0	76.60	140.10	8,048.5	-1,094.2	382.0	748.7	3.53	-1.61	-3.23
9,043.0	76.90	138.90	8,055.9	-1,117.9	402.2	776.1	3.77	0.94	-3.75
9,074.0	77.80	138.00	8,062.7	-1,140.5	422.3	802.9	4.06	2.90	-2.90
9,106.0	78.40	136.50	8,069.3	-1,163.5	443.5	831.0	4.96	1.88	-4.69
9,137.0	79.00	134.50	8,075.3	-1,185.2	464.8	858.7	6.62	1.94	-6.45
9,169.0	79.20	132.30	8,081.4	-1,206.8	487.6	887.7	6.78	0.63	-6.88
9,201.0	79.20	130.20	8,087.4	-1,227.5	511.3	917.2	6.45	0.00	-6.56



Stryker Directional Survey Report



Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Zircon 12/7 B2ON Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3391 + 27 @ 3418.0usft (Patterson 250)
Site:	Section 12-7 -19S-29E Zircon 12/7 B2ON Fed Com #1H	MD Reference:	3391 + 27 @ 3418.0usft (Patterson 250)
Well:	Zircon 12/7 B2ON Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,232.0	79.60	128.30	8,093.1	-1,246.8	534.9	946.2	6.16	1.29	-6.13
9,263.0	79.80	126.40	8,098.6	-1,265.3	559.1	975.4	6.06	0.65	-6.13
9,295.0	80.40	125.70	8,104.1	-1,283.8	584.6	1,005.9	2.86	1.88	-2.19
9,327.0	81.20	124.60	8,109.2	-1,302.0	610.4	1,036.5	4.21	2.50	-3.44
9,358.0	81.80	123.80	8,113.8	-1,319.2	635.8	1,066.3	3.20	1.94	-2.58
9,389.0	82.30	123.70	8,118.1	-1,336.3	661.3	1,096.3	1.64	1.61	-0.32
9,421.0	82.50	123.70	8,122.3	-1,353.9	687.7	1,127.2	0.63	0.63	0.00
9,452.0	83.00	122.70	8,126.3	-1,370.7	713.4	1,157.3	3.58	1.61	-3.23
9,484.0	83.60	121.20	8,130.0	-1,387.6	740.4	1,188.5	5.02	1.88	-4.69
9,516.0	82.80	119.80	8,133.8	-1,403.7	767.8	1,219.8	5.01	-2.50	-4.38
9,547.0	82.30	118.60	8,137.8	-1,418.7	794.6	1,250.2	4.16	-1.61	-3.87
9,579.0	83.20	117.20	8,141.8	-1,433.5	822.7	1,281.8	5.17	2.81	-4.38
9,610.0	84.30	115.50	8,145.2	-1,447.2	850.3	1,312.4	6.50	3.55	-5.48
9,641.0	85.40	112.80	8,148.0	-1,459.8	878.5	1,343.3	9.37	3.55	-8.71
9,673.0	85.80	110.40	8,150.5	-1,471.6	908.1	1,375.2	7.58	1.25	-7.50
9,704.0	86.80	109.00	8,152.5	-1,482.0	937.2	1,406.1	5.54	3.23	-4.52
9,736.0	88.50	108.00	8,153.8	-1,492.2	967.6	1,438.0	6.16	5.31	-3.13
9,767.0	89.40	107.70	8,154.3	-1,501.7	997.1	1,469.0	3.06	2.90	-0.97
9,798.0	89.40	106.40	8,154.7	-1,510.7	1,026.7	1,499.9	4.19	0.00	-4.19
9,830.0	89.40	104.10	8,155.0	-1,519.2	1,057.6	1,531.7	7.19	0.00	-7.19
9,861.0	90.00	103.30	8,155.2	-1,526.5	1,087.7	1,562.5	3.23	1.94	-2.58
9,883.0	89.60	103.00	8,155.2	-1,531.5	1,109.1	1,584.3	2.27	-1.82	-1.36
9,886.7	89.53	102.81	8,155.3	-1,532.3	1,112.7	1,587.9	5.59	-1.95	-5.24
LP Zircon 12/7 B2ON Fed Com 1H									
9,965.0	88.00	98.70	8,157.0	-1,546.9	1,189.6	1,665.0	5.59	-1.95	-5.24
10,028.0	87.00	98.40	8,159.7	-1,556.3	1,251.8	1,726.4	1.66	-1.59	-0.48
10,122.0	87.80	98.00	8,164.0	-1,569.7	1,344.8	1,818.0	0.95	0.85	-0.43
10,217.0	88.00	97.00	8,167.4	-1,582.1	1,438.9	1,910.3	1.07	0.21	-1.05
10,311.0	89.10	99.00	8,169.8	-1,595.2	1,532.0	2,001.9	2.43	1.17	2.13
10,406.0	89.20	98.30	8,171.2	-1,609.4	1,625.9	2,094.6	0.74	0.11	-0.74
10,500.0	88.80	97.90	8,172.9	-1,622.7	1,718.9	2,186.3	0.60	-0.43	-0.43
10,595.0	88.80	99.50	8,174.9	-1,637.1	1,812.8	2,279.1	1.68	0.00	1.68
10,689.0	88.80	99.50	8,176.8	-1,652.6	1,905.5	2,371.1	0.00	0.00	0.00
10,784.0	89.30	99.20	8,178.4	-1,668.0	1,999.2	2,464.2	0.61	0.53	-0.32
10,878.0	89.20	98.90	8,179.6	-1,682.8	2,092.0	2,556.1	0.34	-0.11	-0.32
10,973.0	88.40	98.70	8,181.6	-1,697.3	2,185.9	2,649.0	0.87	-0.84	-0.21
11,067.0	88.00	98.40	8,184.6	-1,711.3	2,278.8	2,740.7	0.53	-0.43	-0.32
11,161.0	87.30	98.60	8,188.4	-1,725.2	2,371.7	2,832.4	0.77	-0.74	0.21
11,256.0	87.60	99.20	8,192.7	-1,739.8	2,465.5	2,925.2	0.71	0.32	0.63
11,351.0	88.40	99.20	8,196.0	-1,755.0	2,559.2	3,018.1	0.84	0.84	0.00
11,445.0	89.50	99.50	8,197.7	-1,770.3	2,651.9	3,110.2	1.21	1.17	0.32
11,539.0	88.50	98.60	8,199.3	-1,785.1	2,744.7	3,202.1	1.43	-1.06	-0.96
11,634.0	89.30	98.00	8,201.2	-1,798.8	2,838.7	3,294.8	1.05	0.84	-0.63



Stryker Directional Survey Report



Company:	Mewbourne Oil Company .	Local Co-ordinate Reference:	Well Zircon 12/7 B2ON Fed Com #1H
Project:	Eddy County, New Mexico	TVD Reference:	3391 + 27 @ 3418.0usft (Patterson 250)
Site:	Section 12-7 -19S-29E Zircon 12/7 B2ON Fed Com #1H	MD Reference:	3391 + 27 @ 3418.0usft (Patterson 250)
Well:	Zircon 12/7 B2ON Fed Com #1H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,729.0	90.60	97.60	8,201.2	-1,811.7	2,932.8	3,387.3	1.43	1.37	-0.42
11,823.0	90.50	97.20	8,200.3	-1,823.8	3,026.0	3,478.6	0.44	-0.11	-0.43
11,917.0	89.80	96.50	8,200.1	-1,835.0	3,119.4	3,569.8	1.05	-0.74	-0.74
12,012.0	89.00	95.70	8,201.1	-1,845.1	3,213.8	3,661.6	1.19	-0.84	-0.84
12,107.0	89.80	96.80	8,202.1	-1,855.4	3,308.2	3,753.4	1.43	0.84	1.16
12,202.0	90.30	96.30	8,202.0	-1,866.3	3,402.6	3,845.4	0.74	0.53	-0.53
12,296.0	90.80	95.60	8,201.1	-1,876.0	3,496.1	3,936.2	0.92	0.53	-0.74
12,390.0	89.50	97.00	8,200.9	-1,886.3	3,589.5	4,027.1	2.03	-1.38	1.49
12,485.0	88.10	97.20	8,202.8	-1,898.1	3,683.8	4,119.3	1.49	-1.47	0.21
12,579.0	87.30	96.90	8,206.6	-1,909.6	3,777.0	4,210.5	0.91	-0.85	-0.32
12,674.0	88.90	97.00	8,209.8	-1,921.1	3,871.3	4,302.6	1.69	1.68	0.11
12,768.0	88.80	96.70	8,211.7	-1,932.3	3,964.6	4,393.7	0.34	-0.11	-0.32
12,862.0	89.40	96.40	8,213.1	-1,943.0	4,057.9	4,484.7	0.71	0.64	-0.32
12,956.0	90.70	97.00	8,213.0	-1,954.0	4,151.3	4,575.8	1.52	1.38	0.64
13,050.0	91.10	98.30	8,211.6	-1,966.5	4,244.4	4,667.3	1.45	0.43	1.38
13,145.0	91.60	98.70	8,209.3	-1,980.5	4,338.4	4,760.0	0.67	0.53	0.42
13,238.0	91.00	99.70	8,207.2	-1,995.4	4,430.2	4,851.0	1.25	-0.65	1.08
13,333.0	88.60	100.80	8,207.6	-2,012.3	4,523.6	4,944.3	2.78	-2.53	1.16
13,427.0	87.40	100.50	8,210.8	-2,029.7	4,615.9	5,036.7	1.32	-1.28	-0.32
13,521.0	86.90	100.70	8,215.5	-2,046.9	4,708.2	5,129.1	0.57	-0.53	0.21
13,615.0	87.20	100.50	8,220.3	-2,064.2	4,800.5	5,221.4	0.38	0.32	-0.21
13,709.0	85.90	100.20	8,226.0	-2,081.1	4,892.8	5,313.6	1.42	-1.38	-0.32
13,804.0	87.30	99.30	8,231.6	-2,097.1	4,986.3	5,406.6	1.75	1.47	-0.95
13,897.0	88.00	96.80	8,235.5	-2,110.1	5,078.3	5,497.2	2.79	0.75	-2.69
13,992.0	88.60	96.20	8,238.3	-2,120.9	5,172.6	5,589.1	0.89	0.63	-0.63
14,086.0	88.70	95.80	8,240.5	-2,130.7	5,266.1	5,679.9	0.44	0.11	-0.43
14,179.0	89.60	94.80	8,241.9	-2,139.3	5,358.7	5,769.4	1.45	0.97	-1.08
14,274.0	90.10	93.40	8,242.1	-2,146.1	5,453.4	5,860.3	1.56	0.53	-1.47
14,368.0	90.90	93.00	8,241.3	-2,151.3	5,547.3	5,949.8	0.95	0.85	-0.43
14,463.0	90.60	92.50	8,240.0	-2,155.9	5,642.1	6,040.0	0.61	-0.32	-0.53
14,487.0	90.90	92.40	8,239.7	-2,156.9	5,666.1	6,062.7	1.32	1.25	-0.42
14,550.0	90.90	92.40	8,238.7	-2,159.5	5,729.1	6,122.4	0.00	0.00	0.00

14550' MD Projected to Bit - PBHL Zircon 12/7 B2ON Fed Com 1H

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,300.0	7,292.2	162.0	-161.7	7300' MD VES Gyro Survey
14,550.0	8,238.7	-2,159.5	5,729.1	14550' MD Projected to Bit