

OPERATOR
WELL/LEASE
COUNTY

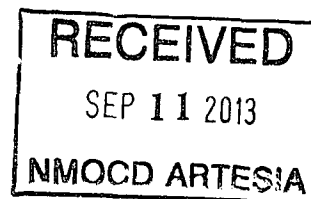
MEWBOURNE OIL COMPANY
ZIRCON 1 LI STATE 001H
EDDY

045-0094

STATE OF NEW MEXICO
DEVIATION REPORT

30 015 41307

284	1.50
496	0.61
856	0.86
1,174	1.35
1,651	0.70
2,133	0.50
2,482	0.30
2,895	0.50
3,275	0.30
3,751	1.10
4,096	1.95
4,477	1.69
4,832	1.81
5,173	1.18
5,520	1.30
5,653	1.79
5,775	1.24
5,932	1.28
6,177	0.85
6,554	2.50
6,750	2.49



STATE OF TEXAS

COUNTY OF MIDLAND

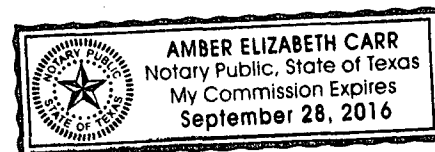
BY:

A handwritten signature in cursive script, appearing to read "Steve Moore", written over a horizontal line.

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

7/9/13, by

A handwritten signature in cursive script, appearing to read "Amber Elizabeth Carr", written over a horizontal line.
Notary Public for Midland County, Texas
My Commission Expires:





Company: Mewbourne Oil Company
Lease/Well: Zircon 1 LI State/No 001H
Location: Sec 1 T19S R29E
Rig Name: Patterson 45
State/County: New Mexico/Eddy
Latitude: 32.69, Longitude: -104.04
GRID North is 0.16 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB 18 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: zircon 1 li state #1h-de_01.ut

Minimum Curvature Method

Report Date/Time: 6/24/2013 / 14:12

Vaughn Energy Services

Gardenale, Texas

Surveyor: Chris Bankson

432-563-5444

Zircon 1 LI State No 001H / API 30-015-41307



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.47	334.16	100.00	0.37	-0.18	0.37	0.41	334.16	0.47
200.00	0.61	337.38	199.99	1.22	-0.56	1.22	1.35	335.43	0.14
300.00	1.10	353.36	299.98	2.67	-0.87	2.67	2.81	341.86	0.55
400.00	1.18	3.66	399.96	4.65	-0.92	4.65	4.74	348.81	0.22
500.00	0.88	15.13	499.95	6.42	-0.65	6.42	6.45	354.18	0.36
600.00	1.08	18.84	599.93	8.05	-0.15	8.05	8.05	358.93	0.21
700.00	1.14	21.02	699.91	9.87	0.51	9.87	9.89	2.97	0.07
800.00	0.77	33.12	799.90	11.37	1.24	11.37	11.43	6.21	0.42
900.00	1.05	37.79	899.89	12.65	2.16	12.65	12.84	9.71	0.29
1000.00	1.17	41.40	999.87	14.14	3.40	14.14	14.55	13.52	0.14
1100.00	1.52	52.23	1099.84	15.72	5.12	15.72	16.53	18.05	0.43
1200.00	1.64	49.25	1199.80	17.47	7.25	17.47	18.91	22.56	0.15
1300.00	1.27	48.90	1299.77	19.13	9.18	19.13	21.22	25.63	0.37
1400.00	0.92	43.32	1399.75	20.45	10.57	20.45	23.02	27.33	0.36
1500.00	0.91	40.86	1499.74	21.64	11.64	21.64	24.57	28.28	0.04
1600.00	0.77	39.28	1599.73	22.76	12.59	22.76	26.01	28.94	0.15
1700.00	0.80	40.99	1699.72	23.80	13.47	23.80	27.35	29.50	0.04
1800.00	0.91	28.25	1799.71	25.03	14.30	25.03	28.82	29.74	0.22
1900.00	0.73	31.08	1899.70	26.27	15.00	26.27	30.25	29.73	0.18
2000.00	0.24	28.96	1999.69	27.00	15.43	27.00	31.10	29.75	0.49

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
2100.00	0.41	32.07	2099.69	27.48	15.72	27.48	31.66	29.78	0.17
2200.00	0.42	31.51	2199.69	28.10	16.11	28.10	32.39	29.82	0.02
2300.00	0.43	27.22	2299.69	28.75	16.47	28.75	33.13	29.81	0.03
2400.00	0.34	12.94	2399.68	29.37	16.71	29.37	33.79	29.64	0.13
2500.00	0.27	7.87	2499.68	29.89	16.81	29.89	34.29	29.35	0.08
2600.00	0.34	4.97	2599.68	30.41	16.86	30.41	34.77	29.01	0.07
2700.00	0.24	4.09	2699.68	30.91	16.90	30.91	35.23	28.67	0.10
2800.00	0.40	354.40	2799.68	31.47	16.89	31.47	35.71	28.22	0.17
2900.00	0.11	343.35	2899.68	31.90	16.82	31.90	36.06	27.81	0.29
3000.00	0.23	330.56	2999.68	32.17	16.70	32.17	36.24	27.44	0.13
3100.00	0.28	325.15	3099.68	32.54	16.46	32.54	36.47	26.83	0.06
3200.00	0.19	325.58	3199.68	32.87	16.23	32.87	36.66	26.28	0.09
3300.00	0.40	317.72	3299.67	33.26	15.90	33.26	36.87	25.55	0.22
3400.00	0.52	312.31	3399.67	33.83	15.34	33.83	37.14	24.39	0.12
3500.00	0.43	305.95	3499.67	34.35	14.70	34.35	37.36	23.16	0.10
3600.00	0.45	296.75	3599.66	34.75	14.05	34.75	37.48	22.01	0.07
3700.00	0.49	281.15	3699.66	35.00	13.28	35.00	37.44	20.78	0.13
3800.00	1.05	282.79	3799.65	35.29	11.97	35.29	37.26	18.74	0.56
3900.00	1.51	282.89	3899.63	35.78	9.80	35.78	37.10	15.32	0.46
4000.00	1.80	279.77	3999.59	36.34	6.98	36.34	37.01	10.87	0.31
4100.00	2.11	274.24	4099.53	36.74	3.60	36.74	36.92	5.59	0.37
4200.00	2.11	268.04	4199.46	36.82	-0.08	36.82	36.82	359.87	0.23
4300.00	1.79	271.63	4299.40	36.80	-3.48	36.80	36.96	354.59	0.35
4400.00	1.86	277.25	4399.35	37.05	-6.65	37.05	37.64	349.82	0.19
4500.00	1.52	277.51	4499.31	37.43	-9.58	37.43	38.63	345.64	0.34
4600.00	1.41	279.53	4599.27	37.80	-12.11	37.80	39.70	342.24	0.12
4700.00	1.65	295.09	4699.24	38.62	-14.63	38.62	41.29	339.26	0.47
4800.00	1.53	301.92	4799.20	39.93	-17.06	39.93	43.42	336.87	0.22
4900.00	1.26	296.59	4899.17	41.13	-19.17	41.13	45.37	335.01	0.30
5000.00	1.28	298.45	4999.15	42.15	-21.13	42.15	47.15	333.37	0.05
5100.00	1.41	301.12	5099.12	43.32	-23.17	43.32	49.12	331.86	0.15
5200.00	1.14	304.39	5199.09	44.51	-25.04	44.51	51.07	330.64	0.28
5300.00	0.95	299.14	5299.08	45.48	-26.58	45.48	52.68	329.69	0.21
5400.00	1.08	298.12	5399.06	46.32	-28.13	46.32	54.20	328.73	0.13
5500.00	1.52	303.75	5499.04	47.50	-30.07	47.50	56.22	327.67	0.46
5600.00	1.25	297.17	5599.01	48.74	-32.14	48.74	58.38	326.60	0.31
5700.00	1.15	302.02	5698.98	49.77	-33.96	49.77	60.26	325.69	0.14
5800.00	1.35	307.88	5798.96	51.03	-35.75	51.03	62.30	324.99	0.23
5900.00	1.02	311.26	5898.94	52.34	-37.34	52.34	64.29	324.49	0.33
6000.00	1.15	301.38	5998.92	53.45	-38.87	53.45	66.09	323.97	0.22
6100.00	0.65	292.02	6098.91	54.18	-40.25	54.18	67.50	323.39	0.51
6200.00	1.31	264.24	6198.89	54.28	-41.92	54.28	68.58	322.32	0.80

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
6300.00	2.10	260.96	6298.85	53.88	-44.87	53.88	70.11	320.21	0.79
6400.00	2.20	259.78	6398.78	53.25	-48.57	53.25	72.07	317.63	0.11
6500.00	2.18	258.84	6498.71	52.54	-52.32	52.54	74.15	315.12	0.04
6600.00	2.46	254.76	6598.62	51.61	-56.25	51.61	76.34	312.54	0.33
6700.00	2.57	249.71	6698.53	50.27	-60.42	50.27	78.60	309.76	0.25
6800.00	2.43	246.69	6798.43	48.65	-64.48	48.65	80.77	307.04	0.20
6900.00	2.14	246.52	6898.35	47.07	-68.13	47.07	82.81	304.64	0.29
7000.00	1.95	250.20	6998.29	45.75	-71.45	45.75	84.84	302.63	0.22
7100.00	1.92	255.27	7098.23	44.75	-74.67	44.75	87.05	300.93	0.17
7200.00	1.74	259.86	7198.18	44.05	-77.78	44.05	89.39	299.52	0.23
7300.00	1.42	255.18	7298.14	43.47	-80.47	43.47	91.46	298.38	0.35
7350.00	0.83	256.06	7348.13	43.22	-81.42	43.22	92.18	297.96	1.17

Mewbourne Oil Company .

Eddy County, New Mexico

Zircon 1 LI

Zircon 1 LI State #1H

OH

Design: OH

Standard Survey Report

01 August, 2013

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zircon 1 LI State #1H
Project:	Eddy County, New Mexico	TVD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Site:	Zircon 1 LI	MD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Well:	Zircon 1 LI State #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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	Zircon 1 LI		
Site Position:		Northing:	613,383.01 usft
From:	Map	Easting:	591,473.15 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 41' 9.372 N
		Longitude:	104° 2' 9.670 W
		Grid Convergence:	0.16 °

Well	Zircon 1 LI State #1H		
Well Position	+N/-S	0.0 usft	Northing: 613,383.01 usft
	+E/-W	0.0 usft	Easting: 591,473.15 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 41' 9.372 N
		Longitude:	104° 2' 9.670 W
		Ground Level:	3,379.0 usft

Wellbore	OH		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/30/2013	7.60	60.49	48,648

Design	OH		
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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	79.09

Survey Program		Date	8/1/2013	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,350.0	Survey #1 (OH)	GyroFlex	
7,429.0	12,910.0	Survey #2 (OH)	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	0.47	334.16	100.0	0.4	-0.2	-0.1	0.47	0.47	0.00
200.0	0.61	337.38	200.0	1.2	-0.6	-0.3	0.14	0.14	3.22
300.0	1.10	353.36	300.0	2.7	-0.9	-0.4	0.54	0.49	15.98
400.0	1.18	3.66	400.0	4.7	-0.9	0.0	0.22	0.08	10.30
500.0	0.88	15.13	499.9	6.4	-0.7	0.6	0.36	-0.30	11.47
600.0	1.08	18.84	599.9	8.1	-0.2	1.4	0.21	0.20	3.71
700.0	1.14	21.02	699.9	9.9	0.5	2.4	0.07	0.06	2.18
800.0	0.77	33.12	799.9	11.4	1.2	3.4	0.42	-0.37	12.10
900.0	1.05	37.79	899.9	12.7	2.2	4.5	0.29	0.28	4.67

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zircon 1 LI State #1H
Project:	Eddy County, New Mexico	TVD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Site:	Zircon 1 LI	MD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Well:	Zircon 1 LI State #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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	1.17	41.40	999.9	14.1	3.4	6.0	0.14	0.12	3.61
1,100.0	1.52	52.23	1,099.8	15.7	5.1	8.0	0.43	0.35	10.83
1,200.0	1.64	49.25	1,199.8	17.5	7.3	10.4	0.15	0.12	-2.98
1,300.0	1.27	48.90	1,299.8	19.1	9.2	12.6	0.37	-0.37	-0.35
1,400.0	0.92	43.32	1,399.8	20.4	10.6	14.2	0.37	-0.35	-5.58
1,500.0	0.91	40.86	1,499.7	21.6	11.6	15.5	0.04	-0.01	-2.46
1,600.0	0.77	39.28	1,599.7	22.8	12.6	16.7	0.14	-0.14	-1.58
1,700.0	0.80	40.99	1,699.7	23.8	13.5	17.7	0.04	0.03	1.71
1,800.0	0.91	28.25	1,799.7	25.0	14.3	18.8	0.22	0.11	-12.74
1,900.0	0.73	31.08	1,899.7	26.3	15.0	19.7	0.18	-0.18	2.83
2,000.0	0.24	28.96	1,999.7	27.0	15.4	20.3	0.49	-0.49	-2.12
2,100.0	0.41	32.07	2,099.7	27.5	15.7	20.6	0.17	0.17	3.11
2,200.0	0.42	31.51	2,199.7	28.1	16.1	21.1	0.01	0.01	-0.56
2,300.0	0.43	27.22	2,299.7	28.7	16.5	21.6	0.03	0.01	-4.29
2,400.0	0.34	12.94	2,399.7	29.4	16.7	22.0	0.13	-0.09	-14.28
2,500.0	0.27	7.87	2,499.7	29.9	16.8	22.2	0.07	-0.07	-5.07
2,600.0	0.34	4.97	2,599.7	30.4	16.9	22.3	0.07	0.07	-2.90
2,700.0	0.24	4.09	2,699.7	30.9	16.9	22.4	0.10	-0.10	-0.88
2,800.0	0.40	354.40	2,799.7	31.5	16.9	22.5	0.17	0.16	-9.69
2,900.0	0.11	343.35	2,899.7	31.9	16.8	22.6	0.29	-0.29	-11.05
3,000.0	0.23	330.56	2,999.7	32.2	16.7	22.5	0.13	0.12	-12.79
3,100.0	0.28	325.15	3,099.7	32.6	16.5	22.3	0.06	0.05	-5.41
3,200.0	0.19	325.58	3,199.7	32.9	16.2	22.2	0.09	-0.09	0.43
3,300.0	0.40	317.72	3,299.7	33.3	15.9	21.9	0.21	0.21	-7.86
3,400.0	0.52	312.31	3,399.7	33.9	15.3	21.4	0.13	0.12	-5.41
3,500.0	0.43	305.95	3,499.7	34.4	14.7	20.9	0.10	-0.09	-6.36
3,600.0	0.45	296.75	3,599.7	34.8	14.0	20.4	0.07	0.02	-9.20
3,700.0	0.49	281.15	3,699.7	35.0	13.3	19.6	0.13	0.04	-15.60
3,800.0	1.05	282.79	3,799.7	35.3	11.9	18.4	0.56	0.56	1.64
3,900.0	1.51	282.89	3,899.6	35.8	9.8	16.4	0.46	0.46	0.10
4,000.0	1.80	279.77	3,999.6	36.4	6.9	13.7	0.30	0.29	-3.12
4,100.0	2.11	274.24	4,099.5	36.8	3.5	10.4	0.36	0.31	-5.53
4,200.0	2.11	268.04	4,199.5	36.9	-0.1	6.8	0.23	0.00	-6.20
4,300.0	1.79	271.63	4,299.4	36.8	-3.5	3.5	0.34	-0.32	3.59
4,400.0	1.86	277.25	4,399.4	37.1	-6.7	0.4	0.19	0.07	5.62
4,500.0	1.52	277.51	4,499.3	37.5	-9.6	-2.4	0.34	-0.34	0.26
4,600.0	1.41	279.53	4,599.3	37.8	-12.2	-4.8	0.12	-0.11	2.02
4,700.0	1.65	295.09	4,699.2	38.7	-14.7	-7.1	0.48	0.24	15.56
4,800.0	1.53	301.92	4,799.2	40.0	-17.1	-9.2	0.22	-0.12	6.83
4,900.0	1.26	296.59	4,899.2	41.2	-19.2	-11.1	0.30	-0.27	-5.33
5,000.0	1.28	298.45	4,999.1	42.2	-21.2	-12.8	0.05	0.02	1.86
5,100.0	1.41	301.12	5,099.1	43.4	-23.2	-14.6	0.14	0.13	2.67
5,200.0	1.14	304.39	5,199.1	44.6	-25.1	-16.2	0.28	-0.27	3.27

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zircon 1 LI State #1H
Project:	Eddy County, New Mexico	TVD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Site:	Zircon 1 LI	MD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Well:	Zircon 1 LI State #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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	0.95	299.14	5,299.1	45.5	-26.6	-17.5	0.21	-0.19	-5.25
5,400.0	1.08	298.12	5,399.1	46.4	-28.2	-18.9	0.13	0.13	-1.02
5,500.0	1.52	303.75	5,499.0	47.6	-30.1	-20.6	0.46	0.44	5.63
5,600.0	1.25	297.17	5,599.0	48.8	-32.2	-22.4	0.31	-0.27	-6.58
5,700.0	1.15	302.02	5,699.0	49.8	-34.0	-24.0	0.14	-0.10	4.85
5,800.0	1.35	307.88	5,799.0	51.1	-35.8	-25.5	0.24	0.20	5.86
5,900.0	1.02	311.26	5,898.9	52.4	-37.4	-26.8	0.34	-0.33	3.38
6,000.0	1.15	301.38	5,998.9	53.5	-38.9	-28.1	0.23	0.13	-9.88
6,100.0	0.65	292.02	6,098.9	54.2	-40.3	-29.3	0.52	-0.50	-9.36
6,200.0	1.31	264.24	6,198.9	54.3	-42.0	-30.9	0.79	0.66	-27.78
6,300.0	2.10	260.96	6,298.8	53.9	-44.9	-33.9	0.80	0.79	-3.28
6,400.0	2.20	259.78	6,398.8	53.3	-48.6	-37.7	0.11	0.10	-1.18
6,500.0	2.18	258.84	6,498.7	52.6	-52.4	-41.5	0.04	-0.02	-0.94
6,600.0	2.46	254.76	6,598.6	51.7	-56.3	-45.5	0.32	0.28	-4.08
6,700.0	2.57	249.71	6,698.5	50.3	-60.5	-49.9	0.25	0.11	-5.05
6,800.0	2.43	246.69	6,798.4	48.7	-64.5	-54.2	0.19	-0.14	-3.02
6,900.0	2.14	246.52	6,898.4	47.1	-68.2	-58.0	0.29	-0.29	-0.17
7,000.0	1.95	250.20	6,998.3	45.8	-71.5	-61.6	0.23	-0.19	3.68
7,100.0	1.92	255.27	7,098.2	44.8	-74.7	-64.9	0.17	-0.03	5.07
7,200.0	1.74	259.86	7,198.2	44.1	-77.8	-68.1	0.23	-0.18	4.59
7,300.0	1.42	255.18	7,298.1	43.5	-80.5	-70.8	0.34	-0.32	-4.68
7,350.0	0.83	256.06	7,348.1	43.3	-81.5	-71.8	1.18	-1.18	1.76
7,429.0	0.70	309.40	7,427.1	43.4	-82.4	-72.7	0.88	-0.16	67.52
7,461.0	1.30	9.50	7,459.1	43.9	-82.5	-72.7	3.53	1.88	187.81
7,493.0	4.90	28.40	7,491.1	45.5	-81.8	-71.7	11.54	11.25	59.06
7,524.0	9.00	32.60	7,521.8	48.7	-79.9	-69.2	13.32	13.23	13.55
7,556.0	13.00	34.70	7,553.2	53.8	-76.5	-64.9	12.56	12.50	6.56
7,588.0	16.90	38.90	7,584.2	60.3	-71.5	-58.8	12.64	12.19	13.13
7,619.0	19.90	45.50	7,613.6	67.6	-64.9	-50.9	11.77	9.68	21.29
7,651.0	23.10	51.50	7,643.3	75.3	-56.1	-40.8	12.12	10.00	18.75
7,683.0	27.10	51.00	7,672.3	83.8	-45.5	-28.8	12.52	12.50	-1.56
7,715.0	29.40	53.40	7,700.5	93.1	-33.5	-15.3	8.02	7.19	7.50
7,746.0	29.50	53.80	7,727.5	102.1	-21.3	-1.6	0.71	0.32	1.29
7,778.0	30.90	53.60	7,755.2	111.6	-8.3	13.0	4.39	4.38	-0.63
7,810.0	34.40	52.90	7,782.1	122.0	5.5	28.5	11.00	10.94	-2.19
7,842.0	37.50	52.40	7,808.0	133.4	20.5	45.3	9.73	9.69	-1.56
7,873.0	40.00	52.50	7,832.2	145.2	35.8	62.7	8.07	8.06	0.32
7,905.0	43.00	54.30	7,856.1	157.8	52.9	81.8	10.09	9.38	5.63
7,937.0	46.40	58.60	7,878.9	170.2	71.6	102.5	14.22	10.63	13.44
7,969.0	48.10	59.60	7,900.6	182.3	91.8	124.6	5.79	5.31	3.13
8,000.0	49.10	59.50	7,921.1	194.1	111.8	146.5	3.23	3.23	-0.32
8,032.0	51.40	57.40	7,941.6	206.9	132.8	169.5	8.78	7.19	-6.56
8,064.0	53.80	54.60	7,961.0	221.2	153.9	192.9	10.22	7.50	-8.75

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zircon 1 LI State #1H
Project:	Eddy County, New Mexico	TVD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Site:	Zircon 1 LI	MD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Well:	Zircon 1 LI State #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
8,096.0	57.00	53.00	7,979.2	236.7	175.1	216.7	10.81	10.00	-5.00
8,128.0	61.40	53.40	7,995.6	253.2	197.1	241.5	13.79	13.75	1.25
8,159.0	65.80	55.00	8,009.3	269.4	219.6	266.6	14.93	14.19	5.16
8,191.0	70.60	56.70	8,021.2	286.1	244.2	293.9	15.79	15.00	5.31
8,223.0	75.10	58.80	8,030.6	302.4	270.1	322.4	15.40	14.06	6.56
8,255.0	79.20	59.70	8,037.8	318.3	296.9	351.7	13.10	12.81	2.81
8,286.0	82.30	59.90	8,042.7	333.7	323.3	380.6	10.02	10.00	0.65
8,379.0	89.20	59.40	8,049.6	380.6	403.3	468.0	7.44	7.42	-0.54
8,442.0	88.40	58.60	8,051.0	413.0	457.3	527.2	1.80	-1.27	-1.27
8,506.0	88.60	61.00	8,052.6	445.2	512.6	587.5	3.76	0.31	3.75
8,569.0	89.90	61.40	8,053.5	475.5	567.8	647.5	2.16	2.06	0.63
8,632.0	89.40	60.90	8,053.8	505.9	623.0	707.4	1.12	-0.79	-0.79
8,696.0	89.30	62.90	8,054.6	536.1	679.4	768.6	3.13	-0.16	3.13
8,759.0	90.40	64.90	8,054.7	563.8	736.0	829.4	3.62	1.75	3.17
8,822.0	89.50	64.90	8,054.8	590.5	793.0	890.4	1.43	-1.43	0.00
8,886.0	92.20	67.30	8,053.8	616.4	851.5	952.8	5.64	4.22	3.75
8,950.0	92.60	67.60	8,051.2	641.0	910.6	1,015.4	0.78	0.63	0.47
9,012.0	91.60	68.50	8,048.9	664.1	968.1	1,076.2	2.17	-1.61	1.45
9,076.0	90.30	69.60	8,047.8	687.0	1,027.8	1,139.2	2.66	-2.03	1.72
9,139.0	91.10	72.10	8,047.1	707.7	1,087.3	1,201.6	4.17	1.27	3.97
9,202.0	90.90	73.50	8,046.0	726.3	1,147.5	1,264.2	2.24	-0.32	2.22
9,265.0	89.70	74.60	8,045.6	743.6	1,208.1	1,326.9	2.58	-1.90	1.75
9,328.0	88.70	75.80	8,046.5	759.7	1,269.0	1,389.8	2.48	-1.59	1.90
9,391.0	88.40	77.50	8,048.1	774.2	1,330.2	1,452.7	2.74	-0.48	2.70
9,454.0	88.80	78.90	8,049.6	787.1	1,391.9	1,515.7	2.31	0.63	2.22
9,518.0	88.80	80.40	8,051.0	798.6	1,454.8	1,579.6	2.34	0.00	2.34
9,582.0	89.20	81.10	8,052.1	808.9	1,518.0	1,643.6	1.26	0.63	1.09
9,645.0	89.90	82.30	8,052.6	818.0	1,580.3	1,706.5	2.21	1.11	1.90
9,708.0	90.60	82.80	8,052.3	826.1	1,642.8	1,769.4	1.37	1.11	0.79
9,772.0	90.50	84.00	8,051.7	833.5	1,706.4	1,833.2	1.88	-0.16	1.88
9,835.0	89.60	85.50	8,051.6	839.3	1,769.1	1,895.9	2.78	-1.43	2.38
9,898.0	89.60	87.30	8,052.1	843.2	1,832.0	1,958.4	2.86	0.00	2.86
9,961.0	89.80	88.80	8,052.4	845.4	1,894.9	2,020.6	2.40	0.32	2.38
10,025.0	89.70	89.10	8,052.7	846.5	1,958.9	2,083.7	0.49	-0.16	0.47
10,088.0	89.60	89.70	8,053.1	847.2	2,021.9	2,145.7	0.97	-0.16	0.95
10,151.0	90.10	89.60	8,053.2	847.6	2,084.9	2,207.6	0.81	0.79	-0.16
10,214.0	89.70	88.80	8,053.4	848.5	2,147.9	2,269.6	1.42	-0.63	-1.27
10,277.0	89.00	88.20	8,054.1	850.1	2,210.9	2,331.8	1.46	-1.11	-0.95
10,340.0	88.90	89.00	8,055.2	851.6	2,273.8	2,393.9	1.28	-0.16	1.27
10,404.0	89.80	89.50	8,055.9	852.5	2,337.8	2,456.9	1.61	1.41	0.78
10,468.0	89.50	88.90	8,056.3	853.4	2,401.8	2,519.9	1.05	-0.47	-0.94
10,531.0	88.40	88.40	8,057.5	854.9	2,464.8	2,582.0	1.92	-1.75	-0.79
10,594.0	88.70	89.10	8,059.1	856.2	2,527.8	2,644.1	1.21	0.48	1.11
10,657.0	89.10	89.70	8,060.3	856.9	2,590.7	2,706.1	1.14	0.63	0.95

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zircon 1 LI State #1H
Project:	Eddy County, New Mexico	TVD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Site:	Zircon 1 LI	MD Reference:	RKB = 20' @ 3399.0usft (Rig.45)
Well:	Zircon 1 LI State #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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)
10,720.0	90.90	89.70	8,060.3	857.2	2,653.7	2,768.0	2.86	2.86	0.00
10,783.0	90.20	90.00	8,059.7	857.4	2,716.7	2,829.9	1.21	-1.11	0.48
10,846.0	90.70	89.50	8,059.2	857.7	2,779.7	2,891.8	1.12	0.79	-0.79
10,910.0	92.10	88.90	8,057.6	858.6	2,843.7	2,954.8	2.38	2.19	-0.94
10,973.0	91.80	88.80	8,055.5	859.8	2,906.7	3,016.8	0.50	-0.48	-0.16
11,036.0	91.70	88.50	8,053.6	861.3	2,969.6	3,078.9	0.50	-0.16	-0.48
11,100.0	91.60	88.30	8,051.7	863.1	3,033.6	3,142.1	0.35	-0.16	-0.31
11,163.0	90.60	87.70	8,050.5	865.3	3,096.5	3,204.3	1.85	-1.59	-0.95
11,227.0	89.80	87.30	8,050.3	868.1	3,160.4	3,267.6	1.40	-1.25	-0.63
11,290.0	89.10	87.20	8,050.9	871.1	3,223.4	3,330.0	1.12	-1.11	-0.16
11,354.0	88.50	87.10	8,052.2	874.3	3,287.3	3,393.3	0.95	-0.94	-0.16
11,417.0	88.10	87.70	8,054.1	877.1	3,350.2	3,455.6	1.14	-0.63	0.95
11,480.0	88.40	88.30	8,056.0	879.3	3,413.1	3,517.8	1.06	0.48	0.95
11,544.0	88.40	88.50	8,057.8	881.1	3,477.1	3,581.0	0.31	0.00	0.31
11,607.0	88.20	87.90	8,059.7	883.1	3,540.0	3,643.2	1.00	-0.32	-0.95
11,671.0	90.30	88.40	8,060.5	885.2	3,604.0	3,706.3	3.37	3.28	0.78
11,727.0	89.90	88.20	8,060.4	886.8	3,659.9	3,761.6	0.80	-0.71	-0.36
11,791.0	89.60	87.70	8,060.7	889.1	3,723.9	3,824.9	0.91	-0.47	-0.78
11,854.0	90.20	87.40	8,060.8	891.8	3,786.8	3,887.2	1.06	0.95	-0.48
11,917.0	89.90	87.10	8,060.8	894.8	3,849.8	3,949.5	0.67	-0.48	-0.48
11,981.0	89.50	86.50	8,061.1	898.4	3,913.7	4,013.0	1.13	-0.63	-0.94
12,044.0	89.50	86.70	8,061.6	902.1	3,976.6	4,075.4	0.32	0.00	0.32
12,076.0	89.10	86.50	8,062.0	904.0	4,008.5	4,107.1	1.40	-1.25	-0.63
12,139.0	89.00	86.80	8,063.1	907.7	4,071.4	4,169.6	0.50	-0.16	0.48
12,203.0	91.50	88.80	8,062.8	910.2	4,135.3	4,232.8	5.00	3.91	3.13
12,266.0	91.50	88.30	8,061.2	911.8	4,198.3	4,295.0	0.79	0.00	-0.79
12,330.0	90.80	87.50	8,059.9	914.1	4,262.2	4,358.2	1.66	-1.09	-1.25
12,392.0	91.80	88.60	8,058.5	916.2	4,324.2	4,419.4	2.40	1.61	1.77
12,456.0	92.50	88.90	8,056.1	917.6	4,388.1	4,482.5	1.19	1.09	0.47
12,520.0	91.20	89.50	8,054.0	918.5	4,452.1	4,545.4	2.24	-2.03	0.94
12,583.0	89.60	90.40	8,053.6	918.6	4,515.1	4,607.3	2.91	-2.54	1.43
12,647.0	88.20	90.80	8,054.8	917.9	4,579.0	4,670.0	2.27	-2.19	0.63
12,710.0	87.70	90.30	8,057.0	917.3	4,642.0	4,731.7	1.12	-0.79	-0.79
12,773.0	89.10	89.80	8,058.8	917.2	4,705.0	4,793.5	2.36	2.22	-0.79
12,836.0	90.10	88.70	8,059.2	918.1	4,768.0	4,855.6	2.36	1.59	-1.75
12,856.0	89.90	88.60	8,059.2	918.5	4,788.0	4,875.3	1.12	-1.00	-0.50
12,910.0	89.90	88.60	8,059.3	919.9	4,841.9	4,928.5	0.00	0.00	0.00

Stryker Directional Survey Report

Company:	Mewbourne Oil Company	Local Co-ordinate Reference:	Well Zircon 1 LI State #1H
Project:	Eddy County, New Mexico	TVD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Site:	Zircon 1 LI	MD Reference:	RKB = 20' @ 3399.0usft (Rig 45)
Well:	Zircon 1 LI State #1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

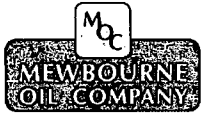
Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Zircon 1 State #1H: LI	0.00	0.00	8,048.0	317.5	303.8	613,700.52	591,776.98	32° 41' 12.506 N	104° 2' 6.105 W
- actual wellpath misses target center by 10.0usft at 8262.2usft MD (8039.1 TVD, 321.9 N, 303.0 E)									
- Point									
Zircon 1 State #1H: PI	0.00	0.00	8,063.0	935.2	4,854.3	614,318.25	596,327.44	32° 41' 18.489 N	104° 1' 12.839 W
- actual wellpath misses target center by 20.1usft at 12910.0usft MD (8059.3 TVD, 919.9 N, 4841.9 E)									
- Point									

Design Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	
12,910.0	8,059.3	919.9	4,841.9	12910.0' MD BHL; 2294.45' FSL; 341.42' FEL



COMPANY: Mewbourne Oil Company
 WELL: Zircon 1 LI State #1H
 COUNTY: Eddy County, New Mexico
 DATUM: NAD 1927 (NADCON CONUS)
 RIG: Patterson

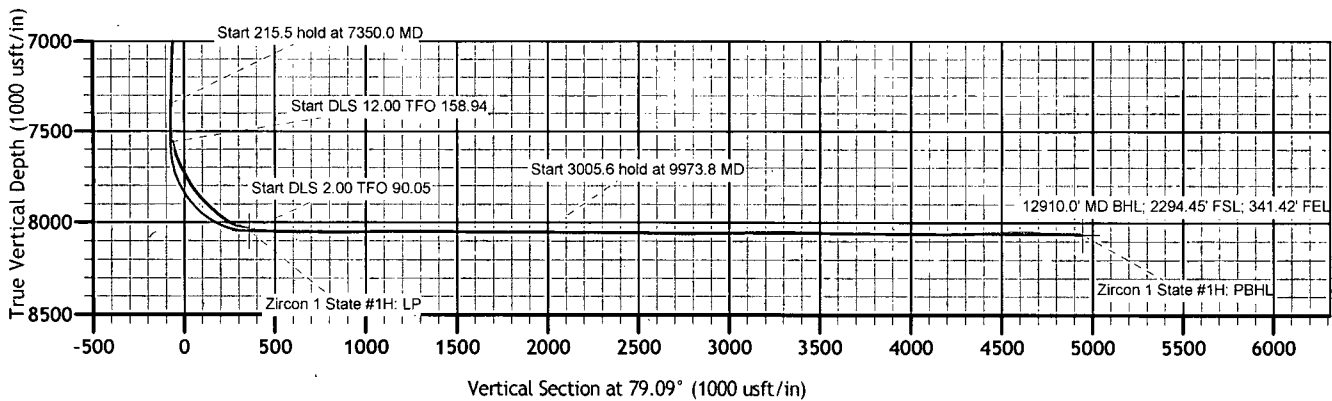
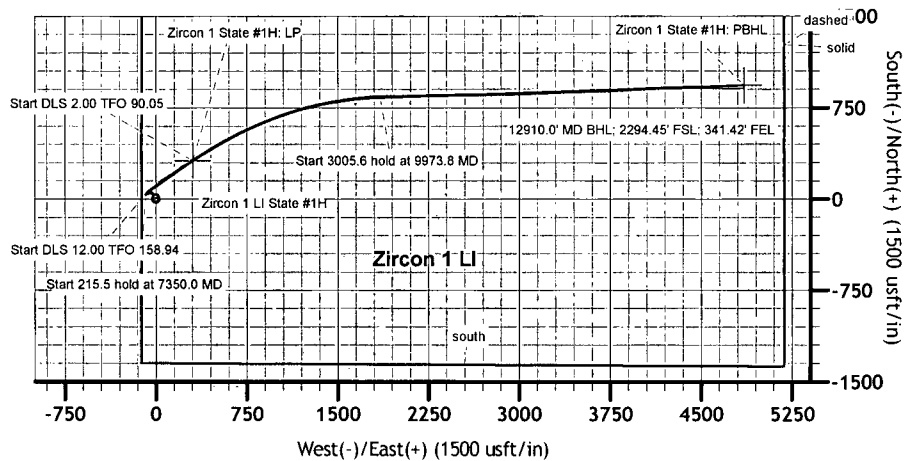
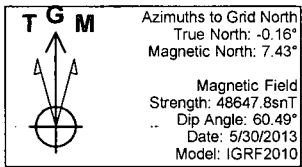


OFFICE: 936.582.7296

GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 7.43°

GEODETIC ZONE: New Mexico East 3001							Slot
RKB = 20' @ 3399.0usft (Rig 45)							
GROUND ELEVATION: 3379.0							
+N-S	+E-W	Northing	Easting	Latitude	Longitude		
0.0	0.0	613383.01	591473.15	32° 41' 9.372 N	104° 2' 9.670 W		

PLAN SECTIONS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
1	7350.0	0.83	256.06	7348.1	43.3	-81.5	0.00	0.00	-71.8	
2	7565.5	0.83	256.06	7563.6	42.5	-84.5	0.00	0.00	-74.9	
3	8320.4	89.81	55.00	8047.5	317.5	303.8	12.00	158.94	358.4	
4	9973.8	89.81	88.07	8053.1	834.0	1850.4	2.00	90.05	1974.8	
5	12979.4	89.81	88.07	8063.0	935.2	4854.3	0.00	0.00	4943.6	



Operating Company Mewbourne
 Well Name & Number Zircon 1 LI STATE #14
 Sales Ticket Number 4707060
 Date 6/22/2013

Company Rep Russell Berryman
 Field Santo Nino
 BOT Service Rep Dustin Butler
 District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	8,344.00	9,960	6,230
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,760.12	12,410	10,680
Bott Liner										

TVD	8,064.00	KOP	7,350.00	Open Hole	6.125	Casing Vol. (bbl)	310.9
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Carry Fluid Weight (ppg)	8.7	Propan Content (ppa)		Max Drill Out Size	0
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	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ. (BBL)
Liner Top	1	JR Setting Sleeve_RH Profile	8124.88	8.64						

Zone Length										
		JR Sleeve_S3 Hyd Set Packer	8124.88	8.64	5.813	3.875				
		4-1/2-13.5 LTC Nipple	8133.52	6.05	5.000	3.920				
		7 Joints of 4-1/2-13.5 LTC Casing	8139.57	266.28	5.000	3.920				
20	20	3.625 EX Frac Sleeve	8405.85	2.40	5.750		3.525	2375	311	311
		3 Joints of 4-1/2-13.5 LTC Casing	8408.25	111.94	5.000	3.920				
		Baker Open Hole Packer	8520.19	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	8524.08	112.74	5.000	3.920				
19	19	3.500 EX Frac Sleeve	8636.82	2.40	5.750		3.400	2375	289	311
		3 Joints of 4-1/2-13.5 LTC Casing	8639.22	112.65	5.000	3.920				
		Baker Open Hole Packer	8751.87	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	8755.76	112.88	5.000	3.920				
18	18	3.375 EX Frac Sleeve	8868.64	2.40	5.750		3.275	2375	268	311
		3 Joints of 4-1/2-13.5 LTC Casing	8871.04	113.51	5.000	3.920				
		Baker Open Hole Packer	8984.55	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	8988.44	112.71	5.000	3.920				
17	17	3.250 EX Frac Sleeve	9101.15	2.40	5.750		3.150	2375	248	311
		3 Joints of 4-1/2-13.5 LTC Casing	9103.55	114.73	5.000	3.920				
		Baker Open Hole Packer	9218.28	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	9222.17	115.40	5.000	3.920				
16	16	3.125 EX Frac Sleeve	9337.57	2.40	5.750		3.025	2375	229	311
		3 Joints of 4-1/2-13.5 LTC Casing	9339.97	115.26	5.000	3.920				
		Baker Open Hole Packer	9455.23	3.89	5.820	3.875		2154		

Company Rep	Russell Berryman
Field	Santo Nino
BOT Service Rep	Dustin Butler

Date 6/22/2013

District Location	Odessa, Texas, USA'
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TVD	8,064.00	KOP	7,350.00	Open Hole	6.125	Casing Vol. (bbl)	310.9
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Carry Fluid Weight (ppg)	8.7	Propant Content (ppa)		Max Drill Out Size	0
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		Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ (BBL)
15			3 Joints of 4-1/2-13.5 LTC Casing	9459.12	115.56	5.000	3.920				
		15	3.000 EX Frac sleeve	9574.68	2.40	5.750		2.900	2375	210	311
			3 Joints of 4-1/2-13.5 LTC Casing	9577.08	114.96	5.000	3.920				
			Baker Open Hole Packer	9692.04	3.89	5.820	3.875		2154		
14			3 Joints of 4-1/2-13.5 LTC Casing	9695.93	115.37	5.000	3.920				
		14	2.875 EX Frac Sleeve	9811.30	2.40	5.750		2.775	2375	192	311
			4 Joints of 4-1/2-13.5 LTC Casing	9813.70	154.03	5.000	3.920				
			Baker Open Hole Packer	9967.73	3.89	5.820	3.875		2154		
13			3 Joints of 4-1/2-13.5 LTC Casing	9971.62	114.88	5.000	3.920				
		13	2.750 EX Frac Sleeve	10086.50	2.40	5.750		2.650	2375	176	311
			3 Joints of 4-1/2-13.5 LTC Casing	10088.90	114.51	5.000	3.920				
			Baker Open Hole Packer	10203.41	3.89	5.820	3.875		2154		
12			2 Joints of 4-1/2-13.5 LTC Casing	10207.30	77.00	5.000	3.920				
		12	2.625 EX Frac Sleeve	10284.30	2.40	5.750		2.525	2375	159	311
			3 Joints of 4-1/2-13.5 LTC Casing	10286.70	114.39	5.000	3.920				
			Baker Open Hole Packer	10401.09	3.89	5.820	3.875		2154		
11			2 Joints of 4-1/2-13.5 LTC Casing	10404.98	76.46	5.000	3.920				
		11	2.500 EX Frac Sleeve	10481.44	2.40	5.750		2.400	2375	144	311
			3 joints of 4-1/2-13.5 LTC Casing	10483.84	114.49	5.000	3.920				
			Baker Open Hole Packer	10598.33	3.89	5.820	3.875		2154		
10			3 Joints of 4-1/2-13.5 LTC Casing	10602.22	115.34	5.000	3.920				
		10	2.375 EX Frac Sleeve	10717.56	2.40	5.750		2.275	2375	129	311
			3 Joints of 4-1/2-13.5 LTC Casing	10719.96	114.08	5.000	3.920				
			Baker Open Hole Packer	10834.04	3.89	5.820	3.875		2154		
9			3 Joints of 4-1/2-13.5 LTC Casing	10837.93	114.74	5.000	3.920				
		9	2.250 EX Frac Sleeve	10952.67	2.40	5.750		2.150	2375	116	311

Operating Company Mewbourne
Well Name & Number Zircon 1 state 1H
Sales Ticket Number 4707060
Date 6/22/2013

Company Rep Russell Berryman
Field Santo Nino
BOT Service Rep Dustin Butler
District Location Odessa, Texas, USA



	Size	Weight	Grade	ID	Drift	Thread	Capacity	Length	Burst	Collapse	
Casing	7.000	26.00	P-110	6.276	6.151		0.03826	8,344.00	9,960	6,230	
Top Liner	4.500	13.50	338000	3.920	3.795	LT&C	0.01492	4,760.12	12,410	10,680	
Bott Liner											
TVD		8,064.00		KOP		7,350.00		Open Hole	6.125	Casing Vol. (bbl)	310.9
Carry Fluid Weight (ppg)			8.7		Propan Content (ppa)				Max Drill Out Size		0

	Comm. Number	Description	Depth	Length	OD	ID	Ball Seat ID	Shear Press	Max Rate (BPM)	Displ. (BBL)
8		3 Joints of 4-1/2-13.5 LTC Casing	10955.07	113.16	5.000	3.920				
		Baker Open Hole Packer	11068.23	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	11072.12	115.25	5.000	3.920				
	8	2.125 EX Frac Sleeve	11187.37	2.40	5.750		2.025	2375	102	311
		3 Joints of 4-1/2-13.5 LTC Casing	11189.77	114.61	5.000	3.920				
		Baker Open Hole Packer	11304.38	3.89	5.820	3.875		2154		
7		3 Joints of 4-1/2-13.5 LTC Casing	11308.27	114.60	5.000	3.920				
	7	2.000 EX Frac Sleeve	11422.87	2.40	5.750		1.900	2375	90	311
		4 Joints of 4-1/2-13.5 LTC Casing	11425.27	152.24	5.000	3.920				
		Baker Open Hole Packer	11577.51	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	11581.40	115.21	5.000	3.920				
	6	1.875 EX Frac Sleeve	11696.61	2.40	5.750		1.775	2375	79	311
6		3 Joints of 4-1/2-13.5 LTC Casing	11699.01	115.58	5.000	3.920				
		Baker Open Hole Packer	11814.59	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	11818.48	115.41	5.000	3.920				
	5	1.750 EX Frac Sleeve	11933.89	2.40	5.750		1.650	2375	68	311
		3 Joints of 4-1/2-13.5 LTC Casing	11936.29	115.57	5.000	3.920				
		Baker Open Hole Packer	12051.86	3.89	5.820	3.875		2154		
5		3 Joints of 4-1/2-13.5 LTC Casing	12055.75	114.77	5.000	3.920				
	4	1.625 EX Frac Sleeve	12170.52	2.40	5.750		1.525	2375	58	311
		3 Joints of 4-1/2-13.5 LTC Casing	12172.92	153.60	5.000	3.920				
		Baker Open Hole Packer	12326.52	3.89	5.820	3.875		2154		
		3 Joints of 4-1/2-13.5 LTC Casing	12330.41	113.57	5.000	3.920				
	3	1.500 DBL Ball Frac Sleeve	12443.98	2.40	5.750		1.400	2375	49	311
4		3 Joints of 4-1/2-13.5 LTC Casing	12446.38	114.32	5.000	3.920				
		Baker Open Hole Packer	12560.70	3.89	5.820	3.875		2154		

Company Rep	Russell Berryman
Field	Santo Nino
BOT Service Rep	Dustin Butler
District Location	Odessa, Texas, USA



Carry Fluid Weight (ppg)	8.7	Propant Content (ppa)		Max Drill Out Size	0
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