

OPERATOR
WELL/LEASE
COUNTY

MEWBOURNE OIL COMPANY
ZIRCON 2 STATE COM #1 H
EDDY

STATE OF NEW MEXICO
DEVIATION REPORT

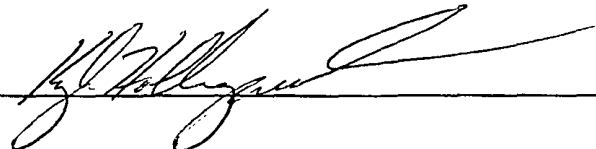
30-015-39117

303	3.60
418	2.00
595	2.00
808	1.70
1,028	2.21
1,189	1.25
1,644	1.14
1,894	1.16
2,149	1.20
2,430	0.97
2,911	0.75
3,411	0.74
3,890	0.34
4,212	0.85
4,512	0.65
4,812	0.29
5,112	0.42
5,612	1.36
5,736	0.91
5,863	1.07
5,992	1.25
6,371	2.51
6,563	2.38
6,690	1.61
6,817	1.33
7,060	1.56

Received

JAN 03 2012

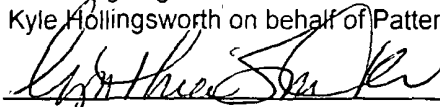
Mewbourne Oil Company
Hobbs

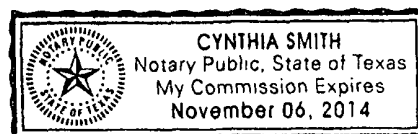
BY: 

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on December 21, 2011, by
Kyle Hollingsworth on behalf of Patterson-UTI Drilling Company LLC.


Notary Public for Midland County, Texas
My Commission Expires: November 6, 2014



Company: Mewbourne Oil Company

Lease/Well: Zircon 2 State Com/1H

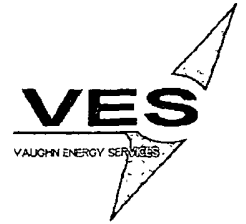
Rig Name: Patterson #45

State/County: New Mexico/Eddy

Latitude: 32.74

GRID North is 0.13 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : RKB=17.5 Ft Elevation=3376 Ft

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: zircon 2state com #1h_ed.ut

Minimum Curvature Method

Report Date/Time: 12/20/2011 / 16:17

Vaughn Energy Services

Midland, TX

432-563-5444

Surveyor: Zach Garcia

Zircon 2 State Com 1H

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	1.67	147.16	99.99	-1.23	0.79	-1.23	1.46	147.16	1.67
200.00	1.81	136.94	199.94	-3.60	2.66	-3.60	4.48	143.58	0.34
300.00	2.13	139.94	299.88	-6.18	4.93	-6.18	7.91	141.40	0.34
400.00	2.19	134.81	399.81	-8.95	7.48	-8.95	11.67	140.09	0.20
500.00	2.20	138.86	499.74	-11.74	10.10	-11.74	15.48	139.29	0.16
600.00	2.19	139.14	599.66	-14.63	12.61	-14.63	19.31	139.23	0.01
700.00	2.15	140.38	699.59	-17.52	15.06	-17.52	23.10	139.32	0.06
800.00	1.88	136.86	799.53	-20.16	17.38	-20.16	26.62	139.24	0.30
900.00	1.94	121.70	899.47	-22.25	19.94	-22.25	29.87	138.13	0.51
1000.00	2.04	113.56	999.41	-23.84	23.00	-23.84	33.13	136.03	0.30
1100.00	1.66	124.05	1099.36	-25.37	25.84	-25.37	36.21	134.47	0.51
1200.00	1.40	124.42	1199.33	-26.87	28.04	-26.87	38.84	133.77	0.26
1300.00	1.44	124.30	1299.30	-28.26	30.09	-28.26	41.28	133.21	0.04
1400.00	1.34	136.83	1399.27	-29.82	31.92	-29.82	43.68	133.05	0.32
1500.00	1.16	146.50	1499.24	-31.52	33.28	-31.52	45.84	133.44	0.27
1600.00	0.77	145.03	1599.23	-32.92	34.23	-32.92	47.49	133.88	0.39
1700.00	0.66	173.46	1699.22	-34.04	34.68	-34.04	48.59	134.47	0.37
1800.00	0.96	179.01	1799.21	-35.45	34.76	-35.45	49.64	135.56	0.31

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
1900.00	1.22	204.49	1899.19	-37.26	34.33	-37.26	50.66	137.34	0.55
2000.00	1.01	194.49	1999.18	-39.08	33.67	-39.08	51.58	139.25	0.29
2100.00	1.09	199.32	2099.16	-40.82	33.13	-40.82	52.58	140.94	0.12
2200.00	1.12	211.57	2199.14	-42.55	32.31	-42.55	53.42	142.79	0.24
2300.00	1.36	193.03	2299.12	-44.54	31.53	-44.54	54.57	144.70	0.47
2400.00	0.88	170.04	2399.10	-46.45	31.40	-46.45	56.06	145.94	0.65
2500.00	1.01	176.46	2499.08	-48.08	31.58	-48.08	57.53	146.70	0.16
2600.00	0.81	205.34	2599.07	-49.59	31.34	-49.59	58.66	147.71	0.49
2700.00	1.04	176.50	2699.06	-51.14	31.09	-51.14	59.85	148.70	0.51
2800.00	0.84	164.16	2799.05	-52.75	31.34	-52.75	61.36	149.28	0.29
2900.00	1.09	174.13	2899.03	-54.39	31.64	-54.39	62.93	149.81	0.30
3000.00	0.65	213.03	2999.02	-55.82	31.43	-55.82	64.06	150.62	0.71
3100.00	0.72	155.67	3099.02	-56.87	31.37	-56.87	64.95	151.12	0.66
3200.00	0.60	190.41	3199.01	-57.96	31.54	-57.96	65.98	151.45	0.41
3300.00	0.87	164.36	3299.00	-59.20	31.65	-59.20	67.13	151.87	0.42
3400.00	0.66	140.29	3398.99	-60.38	32.22	-60.38	68.44	151.91	0.38
3500.00	0.64	144.36	3498.99	-61.28	32.92	-61.28	69.56	151.76	0.05
3600.00	0.14	203.22	3598.98	-61.85	33.20	-61.85	70.19	151.77	0.58
3700.00	0.33	165.89	3698.98	-62.24	33.22	-62.24	70.55	151.91	0.23
3800.00	0.22	23.07	3798.98	-62.34	33.36	-62.34	70.70	151.84	0.52
3900.00	0.45	36.91	3898.98	-61.85	33.68	-61.85	70.42	151.43	0.24
4000.00	0.65	42.19	3998.98	-61.11	34.29	-61.11	70.07	150.70	0.21
4100.00	0.82	49.22	4098.97	-60.22	35.22	-60.22	69.76	149.68	0.18
4200.00	0.58	45.11	4198.96	-59.40	36.11	-59.40	69.52	148.70	0.24
4300.00	0.79	14.39	4298.95	-58.37	36.64	-58.37	68.92	147.88	0.42
4400.00	0.43	20.46	4398.95	-57.35	36.95	-57.35	68.22	147.21	0.37
4500.00	0.29	33.49	4498.95	-56.79	37.22	-56.79	67.90	146.76	0.16
4600.00	0.72	13.77	4598.94	-55.97	37.50	-55.97	67.38	146.18	0.46
4700.00	0.61	18.86	4698.93	-54.86	37.82	-54.86	66.64	145.42	0.13
4800.00	0.66	15.72	4798.93	-53.81	38.15	-53.81	65.96	144.67	0.06
4900.00	0.43	347.02	4898.92	-52.90	38.22	-52.90	65.26	144.15	0.35
5000.00	0.44	339.54	4998.92	-52.18	38.00	-52.18	64.55	143.93	0.06
5100.00	0.59	4.31	5098.92	-51.30	37.91	-51.30	63.79	143.54	0.27
5200.00	0.63	312.46	5198.91	-50.42	37.54	-50.42	62.86	143.33	0.54
5300.00	0.67	309.90	5298.91	-49.67	36.69	-49.67	61.75	143.55	0.05
5400.00	0.53	309.82	5398.90	-48.99	35.88	-48.99	60.73	143.78	0.14
5500.00	1.07	315.82	5498.89	-48.02	34.87	-48.02	59.35	144.02	0.55
5600.00	1.12	310.11	5598.87	-46.72	33.47	-46.72	57.47	144.39	0.12
5700.00	1.09	305.57	5698.85	-45.54	31.95	-45.54	55.63	144.95	0.09

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
5800.00	0.86	286.03	5798.84	-44.78	30.45	-44.78	54.15	145.78	0.40
5900.00	1.32	259.66	5898.82	-44.78	28.60	-44.78	53.13	147.44	0.67
6000.00	1.35	252.84	5998.79	-45.33	26.34	-45.33	52.43	149.85	0.16
6100.00	1.68	268.43	6098.76	-45.72	23.75	-45.72	51.52	152.55	0.52
6200.00	1.77	261.70	6198.71	-45.98	20.76	-45.98	50.45	155.71	0.22
6300.00	2.17	268.13	6298.65	-46.27	17.33	-46.27	49.41	159.47	0.46
6400.00	2.22	275.32	6398.58	-46.15	13.50	-46.15	48.09	163.69	0.28
6500.00	2.23	274.05	6498.51	-45.83	9.63	-45.83	46.84	168.13	0.05
6600.00	1.80	285.05	6598.44	-45.29	6.18	-45.29	45.71	172.23	0.57
6700.00	1.76	279.01	6698.40	-44.64	3.14	-44.64	44.75	175.97	0.19
6800.00	1.61	262.60	6798.35	-44.58	0.24	-44.58	44.58	179.70	0.50
6900.00	1.33	273.64	6898.32	-44.69	-2.31	-44.69	44.75	182.97	0.40
7000.00	1.32	280.43	6998.29	-44.41	-4.60	-44.41	44.65	185.92	0.16
7100.00	1.40	274.52	7098.27	-44.10	-6.95	-44.10	44.65	188.95	0.16
7200.00	1.16	284.08	7198.24	-43.76	-9.15	-43.76	44.71	191.80	0.32
7300.00	0.87	291.71	7298.23	-43.23	-10.83	-43.23	44.57	194.06	0.32

Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 2, T19S, R29E	Wellbore	No.1H AWB
Facility	Zircon 2 State Com 1H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.999918	Report Generated	12/16/2011 at 6:41:30 AM
Convergence at slot	0.15° East	Database/Source file	WA Midland/No.1H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	586402.30	612773.74	32°41'03.480"N	104°03'09.023"W
Facility Reference Pt			586402.30	612773.74	32°41'03.480"N	104°03'09.023"W
Field Reference Pt			586402.30	612773.74	32°41'03.480"N	104°03'09.023"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 1H SHL (KB) to GL	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 1H SHL (KB) to Mean Sea Level	3394.00ft
Vertical Reference Pt	Rig on No. 1H SHL (KB)	Rig on No. 1H SHL (KB) to Mud Line at Slot (No. 1H SHL)	18.00ft
MD Reference Pt	Rig on No. 1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	90.06°

Actual Wellpath Report

No.1H AWP

Page 2 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 2, T19S, R29E	Wellbore	No.1H AWB
Facility	Zircon 2 State Com 1H		

WELLPATH DATA (172 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	147.160	0.00	0.00	0.00	0.00	586402.30	612773.74	32°41'03.480"N	104°03'09.023"W	0.00	
18.00	0.000	147.160	18.00	0.00	0.00	0.00	586402.30	612773.74	32°41'03.480"N	104°03'09.023"W	0.00	
100.00	1.670	147.160	99.99	0.65	-1.00	0.65	586402.95	612772.74	32°41'03.470"N	104°03'09.015"W	2.04	
200.00	1.810	136.940	199.94	2.52	-3.38	2.52	586404.82	612770.36	32°41'03.446"N	104°03'08.993"W	0.34	
300.00	2.130	139.940	299.88	4.80	-5.96	4.79	586407.09	612767.78	32°41'03.421"N	104°03'08.967"W	0.34	
400.00	2.190	134.810	399.81	7.35	-8.73	7.34	586409.64	612765.01	32°41'03.393"N	104°03'08.937"W	0.20	
500.00	2.200	138.860	499.74	9.97	-11.52	9.96	586412.26	612762.22	32°41'03.366"N	104°03'08.907"W	0.16	
600.00	2.190	139.140	599.67	12.49	-14.41	12.47	586414.77	612759.33	32°41'03.337"N	104°03'08.877"W	0.01	
700.00	2.150	140.380	699.59	14.94	-17.30	14.92	586417.22	612756.44	32°41'03.308"N	104°03'08.849"W	0.06	
800.00	1.880	136.860	799.53	17.26	-19.94	17.24	586419.54	612753.80	32°41'03.282"N	104°03'08.822"W	0.30	
900.00	1.940	121.700	899.48	19.82	-22.03	19.80	586422.10	612751.71	32°41'03.261"N	104°03'08.792"W	0.51	
1000.00	2.040	113.560	999.42	22.89	-23.63	22.87	586425.17	612750.11	32°41'03.246"N	104°03'08.756"W	0.30	
1100.00	1.660	124.050	1099.36	25.73	-25.15	25.70	586428.00	612748.59	32°41'03.230"N	104°03'08.723"W	0.51	
1200.00	1.400	124.420	1199.33	27.94	-26.65	27.91	586430.21	612747.09	32°41'03.215"N	104°03'08.697"W	0.26	
1300.00	1.440	124.300	1299.30	29.98	-28.05	29.96	586432.25	612745.69	32°41'03.202"N	104°03'08.673"W	0.04	
1400.00	1.340	136.830	1399.27	31.82	-29.61	31.79	586434.09	612744.13	32°41'03.186"N	104°03'08.652"W	0.32	
1500.00	1.160	146.500	1499.25	33.18	-31.31	33.15	586435.45	612742.43	32°41'03.169"N	104°03'08.636"W	0.28	
1600.00	0.770	145.030	1599.23	34.13	-32.70	34.10	586436.39	612741.04	32°41'03.155"N	104°03'08.625"W	0.39	
1700.00	0.660	173.460	1699.22	34.58	-33.83	34.55	586436.84	612739.92	32°41'03.144"N	104°03'08.620"W	0.37	
1800.00	0.960	179.010	1799.21	34.66	-35.24	34.63	586436.92	612738.51	32°41'03.130"N	104°03'08.619"W	0.31	
1900.00	1.220	204.490	1899.20	34.24	-37.04	34.20	586436.50	612736.70	32°41'03.113"N	104°03'08.624"W	0.54	
2000.00	1.010	194.490	1999.18	33.58	-38.86	33.54	586435.84	612734.88	32°41'03.094"N	104°03'08.632"W	0.29	
2100.00	1.090	199.320	2099.16	33.04	-40.62	33.00	586435.30	612733.13	32°41'03.077"N	104°03'08.638"W	0.12	
2200.00	1.120	211.570	2199.14	32.22	-42.35	32.18	586434.47	612731.40	32°41'03.060"N	104°03'08.648"W	0.24	
2300.00	1.360	193.030	2299.12	31.44	-44.33	31.40	586433.69	612729.41	32°41'03.040"N	104°03'08.657"W	0.46	
2400.00	0.880	170.040	2399.10	31.31	-46.25	31.26	586433.56	612727.50	32°41'03.022"N	104°03'08.658"W	0.65	
2500.00	1.010	176.460	2499.09	31.50	-47.88	31.45	586433.75	612725.86	32°41'03.005"N	104°03'08.656"W	0.17	
2600.00	0.810	205.340	2599.07	31.25	-49.40	31.20	586433.50	612724.34	32°41'02.990"N	104°03'08.659"W	0.49	
2700.00	1.040	176.500	2699.06	31.01	-50.95	30.95	586433.25	612722.80	32°41'02.975"N	104°03'08.662"W	0.51	
2800.00	0.840	164.160	2799.05	31.26	-52.56	31.21	586433.51	612721.19	32°41'02.959"N	104°03'08.659"W	0.28	
2900.00	1.090	174.130	2899.03	31.56	-54.21	31.51	586433.81	612719.54	32°41'02.943"N	104°03'08.656"W	0.30	
3000.00	0.650	213.030	2999.02	31.35	-55.63	31.30	586433.59	612718.11	32°41'02.929"N	104°03'08.658"W	0.71	
3100.00	0.720	155.670	3099.02	31.30	-56.68	31.25	586433.54	612717.07	32°41'02.918"N	104°03'08.659"W	0.66	
3200.00	0.600	190.410	3199.01	31.47	-57.77	31.41	586433.71	612715.98	32°41'02.908"N	104°03'08.657"W	0.41	
3300.00	0.870	164.360	3299.00	31.58	-59.01	31.52	586433.82	612714.73	32°41'02.895"N	104°03'08.656"W	0.42	
3400.00	0.660	140.290	3398.99	32.15	-60.19	32.09	586434.39	612713.56	32°41'02.884"N	104°03'08.649"W	0.38	
3500.00	0.640	144.360	3498.99	32.85	-61.08	32.79	586435.08	612712.66	32°41'02.875"N	104°03'08.641"W	0.05	
3600.00	0.140	203.220	3598.99	33.13	-61.65	33.06	586435.36	612712.10	32°41'02.869"N	104°03'08.638"W	0.58	
3700.00	0.330	165.890	3698.98	33.15	-62.04	33.09	586435.38	612711.70	32°41'02.865"N	104°03'08.638"W	0.23	
3800.00	0.220	23.070	3798.98	33.29	-62.14	33.23	586435.53	612711.60	32°41'02.864"N	104°03'08.636"W	0.52	
3900.00	0.450	36.910	3898.98	33.60	-61.65	33.54	586435.84	612712.09	32°41'02.869"N	104°03'08.632"W	0.24	
4000.00	0.650	42.190	3998.98	34.22	-60.92	34.16	586436.46	612712.83	32°41'02.876"N	104°03'08.625"W	0.21	
4100.00	0.820	49.220	4098.97	35.14	-60.03	35.08	586437.38	612713.71	32°41'02.885"N	104°03'08.614"W	0.19	
4200.00	0.580	45.110	4198.96	36.04	-59.21	35.98	586438.28	612714.54	32°41'02.893"N	104°03'08.604"W	0.25	
4300.00	0.790	14.390	4298.95	36.57	-58.18	36.51	586438.81	612715.56	32°41'02.903"N	104°03'08.597"W	0.42	

Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 2, T19S, R29E	Wellbore	No.1H AWB
Facility	Zircon 2 State Com 1H		

WELLPATH DATA (172 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4400.00	0.430	20.460	4398.95	36.87	-57.16	36.81	586439.11	612716.58	32°41'02.913"N	104°03'08.594"W	0.37	
4500.00	0.290	33.490	4498.95	37.14	-56.60	37.08	586439.38	612717.14	32°41'02.919"N	104°03'08.591"W	0.16	
4600.00	0.720	13.770	4598.94	37.43	-55.78	37.37	586439.67	612717.97	32°41'02.927"N	104°03'08.587"W	0.46	
4700.00	0.610	18.860	4698.94	37.75	-54.66	37.70	586439.99	612719.08	32°41'02.938"N	104°03'08.583"W	0.12	
4800.00	0.660	15.720	4798.93	38.08	-53.61	38.02	586440.32	612720.14	32°41'02.949"N	104°03'08.580"W	0.06	
4900.00	0.430	347.020	4898.93	38.15	-52.69	38.10	586440.39	612721.06	32°41'02.958"N	104°03'08.579"W	0.35	
5000.00	0.440	339.540	4998.92	37.93	-51.96	37.88	586440.17	612721.78	32°41'02.965"N	104°03'08.581"W	0.06	
5100.00	0.590	4.310	5098.92	37.83	-51.09	37.78	586440.08	612722.66	32°41'02.973"N	104°03'08.582"W	0.27	
5200.00	0.630	312.460	5198.91	37.47	-50.20	37.41	586439.71	612723.54	32°41'02.982"N	104°03'08.587"W	0.53	
5300.00	0.670	309.900	5298.91	36.61	-49.46	36.56	586438.86	612724.29	32°41'02.990"N	104°03'08.597"W	0.05	
5400.00	0.530	309.820	5398.90	35.81	-48.79	35.76	586438.05	612724.96	32°41'02.996"N	104°03'08.606"W	0.14	
5500.00	1.070	315.820	5498.89	34.80	-47.82	34.75	586437.05	612725.92	32°41'03.006"N	104°03'08.618"W	0.55	
5600.00	1.120	310.110	5598.87	33.40	-46.52	33.35	586435.65	612727.22	32°41'03.019"N	104°03'08.634"W	0.12	
5700.00	1.090	305.570	5698.85	31.88	-45.34	31.83	586434.13	612728.41	32°41'03.030"N	104°03'08.652"W	0.09	
5800.00	0.860	286.030	5798.84	30.38	-44.58	30.34	586432.63	612729.17	32°41'03.038"N	104°03'08.669"W	0.40	
5900.00	1.320	259.660	5898.82	28.53	-44.58	28.48	586430.78	612729.17	32°41'03.038"N	104°03'08.691"W	0.67	
6000.00	1.350	252.840	5998.80	26.27	-45.13	26.22	586428.52	612728.61	32°41'03.033"N	104°03'08.717"W	0.16	
6100.00	1.680	268.430	6098.76	23.68	-45.52	23.63	586425.93	612728.23	32°41'03.029"N	104°03'08.748"W	0.53	
6200.00	1.770	261.700	6198.72	20.69	-45.78	20.64	586422.94	612727.96	32°41'03.026"N	104°03'08.783"W	0.22	
6300.00	2.170	268.130	6298.66	17.27	-46.07	17.22	586419.52	612727.68	32°41'03.024"N	104°03'08.823"W	0.46	
6400.00	2.220	275.320	6398.58	13.45	-45.95	13.40	586415.70	612727.80	32°41'03.025"N	104°03'08.867"W	0.28	
6500.00	2.230	274.050	6498.51	9.58	-45.63	9.53	586411.83	612728.11	32°41'03.028"N	104°03'08.913"W	0.05	
6600.00	1.800	285.050	6598.45	6.12	-45.09	6.07	586408.37	612728.66	32°41'03.034"N	104°03'08.953"W	0.58	
6700.00	1.760	279.010	6698.40	3.08	-44.44	3.04	586405.34	612729.31	32°41'03.040"N	104°03'08.989"W	0.19	
6800.00	1.610	262.600	6798.36	0.17	-44.38	0.13	586402.43	612729.36	32°41'03.041"N	104°03'09.023"W	0.50	
6900.00	1.330	273.640	6898.32	-2.38	-44.49	-2.42	586399.88	612729.26	32°41'03.040"N	104°03'09.053"W	0.40	
7000.00	1.320	280.430	6998.30	-4.67	-44.20	-4.71	586397.59	612729.54	32°41'03.043"N	104°03'09.079"W	0.16	
7100.00	1.400	274.520	7098.27	-7.02	-43.90	-7.06	586395.24	612729.84	32°41'03.046"N	104°03'09.107"W	0.16	
7200.00	1.160	284.080	7198.24	-9.22	-43.56	-9.26	586393.04	612730.19	32°41'03.049"N	104°03'09.133"W	0.32	
7300.00	0.870	291.710	7298.23	-10.91	-43.03	-10.95	586391.35	612730.71	32°41'03.054"N	104°03'09.152"W	0.32	
7417.00	0.800	273.300	7415.22	-12.55	-42.65	-12.59	586389.71	612731.09	32°41'03.058"N	104°03'09.171"W	0.24	
7451.00	0.800	252.300	7449.21	-13.01	-42.71	-13.06	586389.25	612731.03	32°41'03.058"N	104°03'09.177"W	0.86	
7483.00	0.600	195.000	7481.21	-13.27	-42.94	-13.31	586388.99	612730.80	32°41'03.055"N	104°03'09.180"W	2.17	
7514.00	2.300	109.300	7512.20	-12.72	-43.30	-12.77	586389.53	612730.44	32°41'03.052"N	104°03'09.174"W	7.53	
7546.00	5.800	98.800	7544.12	-10.52	-43.76	-10.56	586391.74	612729.98	32°41'03.047"N	104°03'09.148"W	11.13	
7578.00	10.000	94.400	7575.81	-6.15	-44.23	-6.19	586396.11	612729.52	32°41'03.043"N	104°03'09.097"W	13.25	
7610.00	14.500	91.400	7607.07	0.63	-44.54	0.59	586402.89	612729.21	32°41'03.039"N	104°03'09.017"W	14.20	
7641.00	19.100	89.300	7636.74	9.59	-44.57	9.54	586411.84	612729.17	32°41'03.039"N	104°03'08.913"W	14.96	
7673.00	23.500	87.800	7666.55	21.20	-44.26	21.16	586423.46	612729.48	32°41'03.041"N	104°03'08.777"W	13.85	
7705.00	27.600	86.600	7695.41	34.98	-43.58	34.94	586437.24	612730.17	32°41'03.048"N	104°03'08.615"W	12.91	
7737.00	31.800	86.100	7723.20	50.80	-42.56	50.76	586453.05	612731.18	32°41'03.057"N	104°03'08.430"W	13.15	
7768.00	35.800	86.100	7748.96	68.00	-41.39	67.96	586470.25	612732.35	32°41'03.069"N	104°03'08.229"W	12.90	
7800.00	39.800	86.000	7774.24	87.56	-40.04	87.52	586489.82	612733.71	32°41'03.081"N	104°03'08.000"W	12.50	
7832.00	43.800	86.700	7798.09	108.84	-38.68	108.80	586511.10	612735.06	32°41'03.094"N	104°03'07.751"W	12.58	
7864.00	47.400	88.100	7820.47	131.68	-37.66	131.64	586533.93	612736.09	32°41'03.104"N	104°03'07.484"W	11.68	

Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 2, T19S, R29E	Wellbore	No.1H AWP
Facility	Zircon 2 State Com 1H		

WELLPATH DATA (172 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7895.00	51.200	89.700	7840.68	155.17	-37.21	155.13	586557.42	612736.53	32°41'03.108"N	104°03'07.209"W	12.87	
7927.00	54.900	90.000	7859.92	180.74	-37.15	180.70	586582.99	612736.59	32°41'03.108"N	104°03'06.910"W	11.59	
7959.00	59.000	89.800	7877.36	207.55	-37.10	207.52	586609.80	612736.64	32°41'03.107"N	104°03'06.596"W	12.82	
7991.00	63.300	89.800	7892.80	235.58	-37.00	235.54	586637.82	612736.74	32°41'03.108"N	104°03'06.268"W	13.44	
8022.00	68.500	89.700	7905.46	263.86	-36.88	263.83	586666.10	612736.86	32°41'03.108"N	104°03'05.937"W	16.78	
8054.00	70.800	89.600	7916.58	293.86	-36.70	293.83	586696.10	612737.05	32°41'03.109"N	104°03'05.586"W	7.19	
8086.00	73.300	89.500	7926.44	324.30	-36.46	324.27	586726.54	612737.29	32°41'03.111"N	104°03'05.230"W	7.82	
8118.00	75.400	89.600	7935.08	355.11	-36.22	355.08	586757.35	612737.53	32°41'03.112"N	104°03'04.870"W	6.57	
8150.00	77.600	89.600	7942.55	386.23	-36.00	386.19	586788.46	612737.74	32°41'03.114"N	104°03'04.506"W	6.87	
8181.00	80.000	89.900	7948.57	416.63	-35.87	416.60	586818.86	612737.88	32°41'03.114"N	104°03'04.150"W	7.80	
8213.00	84.200	90.000	7952.96	448.32	-35.84	448.29	586850.55	612737.90	32°41'03.114"N	104°03'03.779"W	13.13	
8312.00	89.200	88.500	7958.66	547.11	-34.54	547.08	586949.33	612739.20	32°41'03.124"N	104°03'02.623"W	5.27	
8344.00	89.100	88.600	7959.14	579.10	-33.73	579.07	586981.32	612740.01	32°41'03.131"N	104°03'02.249"W	0.44	
8376.00	88.000	89.200	7959.95	611.08	-33.12	611.05	587013.30	612740.62	32°41'03.136"N	104°03'01.875"W	3.92	
8407.00	87.600	89.100	7961.14	642.06	-32.66	642.02	587044.27	612741.08	32°41'03.140"N	104°03'01.512"W	1.33	
8408.00	87.600	89.100	7961.18	643.05	-32.64	643.02	587045.27	612741.10	32°41'03.140"N	104°03'01.501"W	0.00	
8439.00	87.400	89.000	7962.53	674.02	-32.13	673.99	587076.23	612741.61	32°41'03.144"N	104°03'01.138"W	0.72	
8471.00	87.000	89.000	7964.09	705.98	-31.57	705.94	587108.18	612742.17	32°41'03.149"N	104°03'00.764"W	1.25	
8502.00	87.300	89.000	7965.63	736.93	-31.03	736.90	587139.14	612742.71	32°41'03.154"N	104°03'00.402"W	0.97	
8534.00	87.100	89.000	7967.20	768.89	-30.47	768.86	587171.09	612743.27	32°41'03.158"N	104°03'00.028"W	0.62	
8566.00	88.100	89.300	7968.54	800.86	-30.00	800.83	587203.06	612743.74	32°41'03.162"N	104°02'59.654"W	3.26	
8629.00	87.700	89.300	7970.85	863.81	-29.23	863.78	587266.01	612744.51	32°41'03.168"N	104°02'58.918"W	0.63	
8692.00	88.400	89.400	7972.99	926.77	-28.52	926.74	587328.96	612745.23	32°41'03.173"N	104°02'58.181"W	1.12	
8756.00	87.600	89.000	7975.22	990.72	-27.62	990.69	587392.91	612746.12	32°41'03.181"N	104°02'57.433"W	1.40	
8820.00	88.600	89.600	7977.35	1054.68	-26.84	1054.65	587456.86	612746.90	32°41'03.187"N	104°02'56.685"W	1.82	
8883.00	88.000	89.400	7979.21	1117.65	-26.29	1117.62	587519.83	612747.45	32°41'03.190"N	104°02'55.948"W	1.00	
8946.00	89.200	89.800	7980.75	1180.62	-25.85	1180.60	587582.80	612747.89	32°41'03.193"N	104°02'55.211"W	2.01	
9010.00	88.700	89.500	7981.93	1244.61	-25.46	1244.59	587646.78	612748.28	32°41'03.195"N	104°02'54.462"W	0.91	
9073.00	88.400	89.500	7983.52	1307.59	-24.91	1307.56	587709.75	612748.83	32°41'03.199"N	104°02'53.725"W	0.48	
9136.00	88.200	89.200	7985.39	1370.56	-24.20	1370.53	587772.72	612749.54	32°41'03.204"N	104°02'52.989"W	0.57	
9199.00	87.700	89.100	7987.64	1433.51	-23.26	1433.48	587835.66	612750.48	32°41'03.212"N	104°02'52.252"W	0.81	
9263.00	88.500	90.600	7989.77	1497.47	-23.10	1497.45	587899.62	612750.65	32°41'03.212"N	104°02'51.504"W	2.66	
9327.00	88.100	90.400	7991.66	1561.44	-23.65	1561.42	587963.58	612750.09	32°41'03.205"N	104°02'50.755"W	0.70	
9391.00	89.000	90.800	7993.28	1625.42	-24.32	1625.39	588027.55	612749.42	32°41'03.196"N	104°02'50.007"W	1.54	
9454.00	88.600	90.600	7994.60	1688.40	-25.09	1688.37	588090.53	612748.65	32°41'03.187"N	104°02'49.270"W	0.71	
9516.00	88.100	90.600	7996.39	1750.37	-25.74	1750.34	588152.50	612748.00	32°41'03.179"N	104°02'48.545"W	0.81	
9579.00	88.800	90.900	7998.09	1813.34	-26.57	1813.31	588215.46	612747.18	32°41'03.169"N	104°02'47.808"W	1.21	
9643.00	88.700	91.100	7999.49	1877.32	-27.68	1877.29	588279.43	612746.06	32°41'03.156"N	104°02'47.060"W	0.35	
9706.00	88.300	90.900	8001.14	1940.29	-28.78	1940.26	588342.39	612744.96	32°41'03.144"N	104°02'46.323"W	0.71	
9770.00	88.000	90.000	8003.20	2004.25	-29.29	2004.22	588406.35	612744.46	32°41'03.137"N	104°02'45.575"W	1.48	
9833.00	87.800	89.600	8005.51	2067.21	-29.07	2067.18	588469.30	612744.68	32°41'03.138"N	104°02'44.838"W	0.71	
9896.00	87.500	89.600	8008.10	2130.15	-28.63	2130.12	588532.24	612745.12	32°41'03.140"N	104°02'44.102"W	0.48	
9960.00	88.200	89.100	8010.50	2194.10	-27.90	2194.07	588596.19	612745.84	32°41'03.146"N	104°02'43.354"W	1.34	
10023.00	87.800	88.700	8012.69	2257.05	-26.69	2257.02	588659.13	612747.05	32°41'03.156"N	104°02'42.617"W	0.90	
10087.00	88.700	88.500	8014.65	2321.00	-25.13	2320.98	588723.08	612748.61	32°41'03.170"N	104°02'41.869"W	1.44	

Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 2, T19S, R29E	Wellbore	No.1H AWP
Facility	Zircon 2 State Com 1H		

WELLPATH DATA (172 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10149.00	88.700	88.500	8016.06	2382.96	-23.51	2382.94	588785.04	612750.24	32°41'03.184"N	104°02'41.144"W	0.00	
10213.00	88.500	88.700	8017.62	2446.92	-21.94	2446.90	588848.99	612751.80	32°41'03.198"N	104°02'40.396"W	0.44	
10276.00	88.300	88.500	8019.38	2509.88	-20.40	2509.86	588911.94	612753.34	32°41'03.211"N	104°02'39.659"W	0.45	
10340.00	88.200	88.600	8021.33	2573.82	-18.79	2573.81	588975.89	612754.96	32°41'03.226"N	104°02'38.911"W	0.22	
10404.00	87.900	88.300	8023.51	2637.76	-17.06	2637.75	589039.82	612756.69	32°41'03.241"N	104°02'38.163"W	0.66	
10468.00	88.000	88.600	8025.80	2701.70	-15.33	2701.68	589103.75	612758.42	32°41'03.256"N	104°02'37.414"W	0.49	
10532.00	88.900	89.600	8027.53	2765.66	-14.32	2765.65	589167.71	612759.42	32°41'03.265"N	104°02'36.666"W	2.10	
10595.00	88.700	89.400	8028.85	2828.64	-13.77	2828.63	589230.69	612759.97	32°41'03.268"N	104°02'35.929"W	0.45	
10659.00	88.500	89.400	8030.41	2892.62	-13.10	2892.61	589294.67	612760.64	32°41'03.273"N	104°02'35.181"W	0.31	
10722.00	88.400	89.300	8032.12	2955.59	-12.39	2955.58	589357.63	612761.35	32°41'03.279"N	104°02'34.444"W	0.22	
10785.00	88.200	90.400	8033.99	3018.56	-12.22	3018.55	589420.60	612761.52	32°41'03.279"N	104°02'33.707"W	1.77	
10848.00	88.100	90.500	8036.02	3081.53	-12.72	3081.52	589483.56	612761.02	32°41'03.272"N	104°02'32.970"W	0.22	
10912.00	88.100	90.500	8038.14	3145.49	-13.27	3145.48	589547.52	612760.47	32°41'03.265"N	104°02'32.222"W	0.00	
10975.00	88.000	90.300	8040.29	3208.45	-13.71	3208.44	589610.47	612760.03	32°41'03.259"N	104°02'31.485"W	0.35	
11018.00	88.000	90.200	8041.79	3251.43	-13.90	3251.42	589653.44	612759.84	32°41'03.256"N	104°02'30.983"W	0.23	
11081.00	87.800	90.500	8044.10	3314.39	-14.29	3314.37	589716.39	612759.45	32°41'03.250"N	104°02'30.246"W	0.57	
11145.00	87.600	90.800	8046.66	3378.33	-15.01	3378.32	589780.33	612758.73	32°41'03.241"N	104°02'29.498"W	0.56	
11208.00	88.300	90.700	8048.92	3441.28	-15.84	3441.27	589843.28	612757.91	32°41'03.231"N	104°02'28.761"W	1.12	
11272.00	88.300	90.700	8050.82	3505.25	-16.62	3505.24	589907.24	612757.12	32°41'03.222"N	104°02'28.013"W	0.00	
11335.00	89.200	90.000	8052.19	3568.24	-17.00	3568.22	589970.22	612756.74	32°41'03.216"N	104°02'27.276"W	1.81	
11398.00	89.000	90.100	8053.18	3631.23	-17.06	3631.21	590033.21	612756.68	32°41'03.214"N	104°02'26.539"W	0.35	
11462.00	89.000	90.300	8054.30	3695.22	-17.28	3695.20	590097.19	612756.46	32°41'03.210"N	104°02'25.791"W	0.31	
11525.00	88.700	89.000	8055.56	3758.20	-16.90	3758.19	590160.17	612756.85	32°41'03.212"N	104°02'25.054"W	2.12	
11589.00	88.400	88.900	8057.18	3822.17	-15.72	3822.16	590224.13	612758.02	32°41'03.222"N	104°02'24.305"W	0.49	
11652.00	87.800	88.600	8059.27	3885.12	-14.35	3885.11	590287.08	612759.39	32°41'03.234"N	104°02'23.569"W	1.06	
11716.00	87.900	88.500	8061.67	3949.05	-12.73	3949.04	590351.01	612761.01	32°41'03.248"N	104°02'22.821"W	0.22	
11779.00	87.900	88.700	8063.98	4011.99	-11.19	4011.98	590413.94	612762.55	32°41'03.262"N	104°02'22.084"W	0.32	
11842.00	87.900	88.900	8066.29	4074.93	-9.87	4074.92	590476.88	612763.87	32°41'03.273"N	104°02'21.348"W	0.32	
11906.00	87.600	89.100	8068.80	4138.87	-8.76	4138.86	590540.81	612764.98	32°41'03.282"N	104°02'20.600"W	0.56	
11969.00	87.600	88.800	8071.44	4201.80	-7.61	4201.80	590603.74	612766.14	32°41'03.292"N	104°02'19.863"W	0.48	
12033.00	87.400	88.800	8074.23	4265.73	-6.27	4265.72	590667.66	612767.47	32°41'03.303"N	104°02'19.115"W	0.31	
12096.00	87.400	89.000	8077.09	4328.65	-5.06	4328.65	590730.58	612768.68	32°41'03.314"N	104°02'18.379"W	0.32	
12159.00	88.000	90.000	8079.62	4391.59	-4.51	4391.59	590793.52	612769.23	32°41'03.317"N	104°02'17.643"W	1.85	
12223.00	87.800	90.100	8081.96	4455.55	-4.56	4455.55	590857.47	612769.18	32°41'03.315"N	104°02'16.894"W	0.35	
12286.00	87.900	90.900	8084.33	4518.50	-5.11	4518.50	590920.42	612768.63	32°41'03.308"N	104°02'16.158"W	1.28	
12318.00	87.600	90.600	8085.58	4550.48	-5.53	4550.47	590952.39	612768.21	32°41'03.303"N	104°02'15.784"W	1.33	
12370.00	87.600	90.600	8087.76	4602.43	-6.08	4602.43	591004.34	612767.66	32°41'03.296"N	104°02'15.176"W	0.00	Proj to Bit

Actual Wellpath Report

No.1H AWP

Page 6 of 6



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Eddy County, NM	Well	No. 1H
Field	(Zircon) Sec 2, T19S, R29E	Wellbore	No.1H AWB
Facility	Zircon 2 State Com 1H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No. 1H PBHL		8085.00	-4.74	4621.19	591023.10	612769.00	32°41'03.309"N	104°02'14.956"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.1H AWB Ref Wellpath: No.1H AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	7300.00	Generic gyro - northseeking (Standard)	Ves Gyro <100-7300>	No.1H AWB
7300.00	12370.00	NaviTrak (Standard)	MWD NaviTrak <7417-XXXX>	No.1H AWB



Mewbourne Oil Company

Mewbourne Oil Company

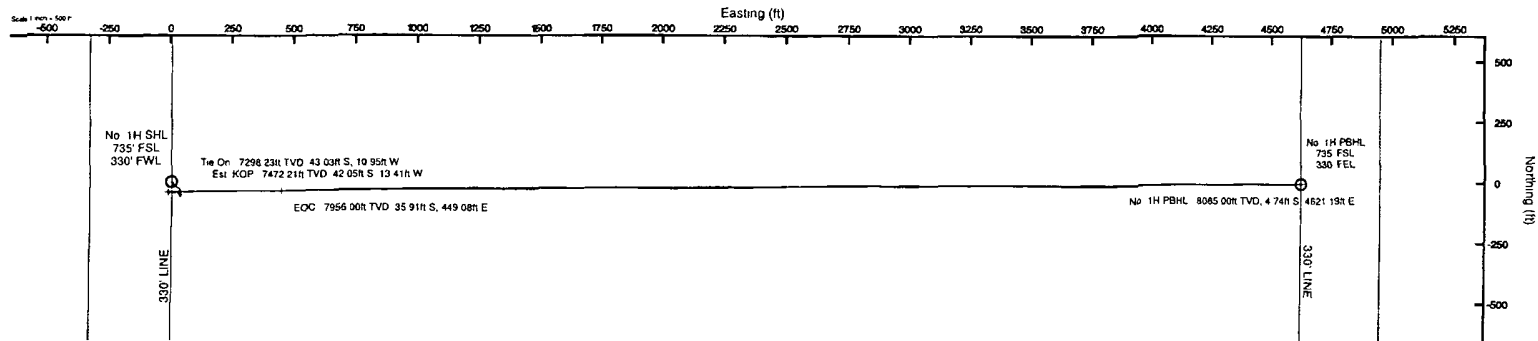
Location Eddy County, NM
Field (Zircon) Sec 2, T19S, R29E
Facility Zircon 2 State Com 1H

Slot No 1H SHL
Well No. 1H
Wellbore No. 1H PWB

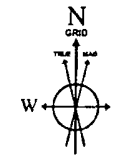


Well Profile Data

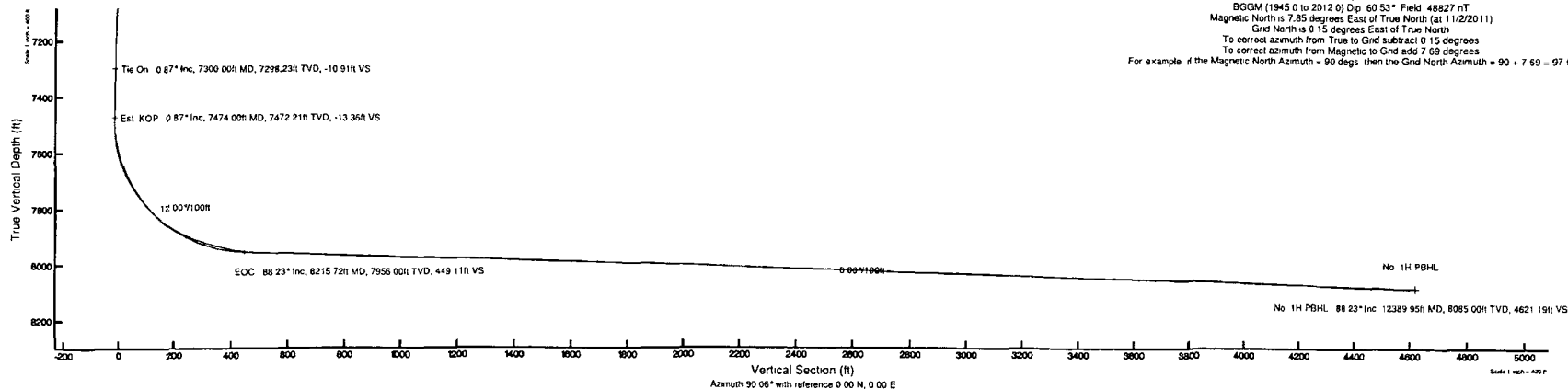
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	7300.00	0.870	291.710	7298.23	-43.03	-10.95	0.00	-10.91
Est KOP	7474.00	0.870	291.710	7472.21	-42.05	-13.41	0.00	-13.36
EOC	8215.72	88.229	89.572	7956.00	-35.91	449.08	12.00	449.11
No 1H PBHL	12389.95	88.229	89.572	8085.00	-4.74	4621.19	0.00	4621.19



Plot reference wellpath is Plan #1	
True vertical depths are referenced to Rig on No. 1H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001) US feet
Measured depths are referenced to Rig on No. 1H SHL (KB)	North Reference: Grid north
Rig on No. 1H SHL (KB) to Mean Sea Level: 3394 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot No. 1H SHL): -3376 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: genibry on 12/1/2011



BGGM (1945.0 to 2012.0) Dip: 60.53° Field: 48827 nT
Magnetic North is 7.85 degrees East of True North (at 11/2/2011)
Grid North is 0.15 degrees East of True North
To correct azimuth from True to Grid subtract 0.15 degrees
To correct azimuth from Magnetic to Grid add 7.69 degrees
For example: if the Magnetic North Azimuth = 90 degrees then the Grid North Azimuth = 90 + 7.69 = 97.69





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Completion
Final

Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 14-Nov-11	
Well Name Zlrcon -2- State Com #1H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Eddy County, NM	
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 1 of 3					
REV_					
KOP 7478' MD					
TOL 8025.03'					
307 04 BBLs					
SHOE 8270' MD					
Stage 20 8343.04'					
311 97 BBLs					
8425.95'					
Stage 19 8512.67'					
314 60 BBLs					
8598.30'					
Stage 18 8722.06'					
317 84 BBLs					
8808.32'					
Stage 17 8932.80'					
321.11 BBLs					
9057.75'					
Stage 16 9181.66'					
324.97 BBLs					
9267.63'					
Drillable FracPORT's to be shipped without handling pups					
Latched Seal Assembly					
7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer			5.875"	4.750	5 83
PN: 108425-000004 (Shear Pins: 2 @ 482 plus 1 @ 241 : 1,205 psi setting pressure)				3.875	
SF Bottom Guide			5.850"	3.850	0 93
3' x 4-1/2" 11 6# P-110 BTC x LTC Pup Joint			4 500"	4 000	2 91
7" 26# P-110 LT&C Casing					
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	308 34
JOINTS: 8					
Packers Plus 4-1/2" Drillable FracPORT™ with 3.625" Seat for 3.750" High Pressure Ball			5 630"	3.625	2 65
PN: 121332-000024 (5 shear pins at 314 psi each: 1,570 psi opening pressure)				3.840	
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	74 18
JOINTS: 2					
6' x 4-1/2" 11 6# P-110 LTC x BTC Pup Joint			4 500"	4.000	6 08
Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			5 750"	3.875	5 25
PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)					
3' x 4-1/2" 11 6# P-110 BTC x LTC Pup Joint			4 500"	4.000	3 12
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	78 55
JOINTS: 2					
Packers Plus 4-1/2" Drillable FracPORT™ with 3.500" Seat for 3.625" High Pressure Ball			5 630"	3.500	2 65
PN: 121332-000023 (5 shear pins at 314 psi each: 1,570 psi opening pressure)				3.840	
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	76 73
JOINTS: 2					
6' x 4-1/2" 11.6# P-110 LTC Pup Joint			4 500"	4.000	6 05
Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			5 750"	3.875	5 25
PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)					
3' x 4-1/2" 11 6# P-110 LTC Pup Joint			4 500"	4.000	3 11
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	115 4
JOINTS: 3					
Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.250" High Pressure Ball			5 630"	3.375	2 65
PN: 121332-000022 (5 shear pins at 314 psi each: 1,570 psi opening pressure)				3.840	
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	77 5
JOINTS: 2					
6' x 4-1/2" 11 6# P-110 LTC Pup Joint			4 500"	4.000	6 11
Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			5 750"	3.875	5 25
PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)					
3' x 4-1/2" 11 6# P-110 LTC Pup Joint			4 500"	4.000	3 12
4-1/2" 11.60# P-110 LTC LINER			4.500"	4.000	116 11
JOINTS: 3					
Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball			5 630"	3.250	2 65
PN: 121332-000021 (5 shear pins at 314 psi each: 1,570 psi opening pressure)				3.840	
4-1/2" 11.60# P-110 LTC LINER			4.500"	4.000	116 24
JOINTS: 3					
6' x 4-1/2" 11 6# P-110 LTC Pup Joint			4 500"	4.000	6 06
Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			5 750"	3.875	5 25
PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)					
3' x 4-1/2" 11 6# P-110 LTC Pup Joint			4 500"	4.000	3 08
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	115 6
JOINTS: 3					
Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball			5 630"	3.125	2 65
PN: 121332-000020 (5 shear pins at 314 psi each: 1,570 psi opening pressure)				3.840	
4-1/2" 11.60# P-110 LTC LINER			4 500"	4.000	77 24
JOINTS: 2					
6' x 4-1/2" 11 6# P-110 LTC Pup Joint			4 500"	4.000	6 06
Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer			5 750"	3.875	5 25
PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)					
3' x 4-1/2" 11 6# P-110 LTC Pup Joint			4 500"	4.000	3 1
Service Center			Telephone		
Midland, TX	432-563-8024	Scott Mabry	Chad Williams 405-255-3223		



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Completion
Final

Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 14-Nov-11	
Well Name Zircon -2- State Com #1H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD.		Location Eddy County, NM	
Depth	Drawing	Description	OD(in)	ID(in)	Length
Page 2 of 3					
REV_					
Stage 13 9814.48'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball PN: 121332-000017 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	5.630"	2.750"	2.65
334 78 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4.500"	3.840	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500"	4.000	78.65
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4.500"	4.000	6.06
9901.85'		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	5.750"	3.875	5.25
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	3.1
Stage 12 10026.00'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball PN: 121332-000016 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4.500"	2.625	115.8
338 06 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	5.630"	3.840	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500"	4.000	78.07
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4.500"	4.000	6.09
10112.81'		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	5.750"	3.875	5.25
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	3.1
Stage 11 10235.63'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball PN: 121332-000015 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4.500"	2.500	114.47
341 30 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	5.630"	3.840	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500"	4.000	75.94
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4.500"	4.000	6.08
10320.30'		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	5.750"	3.875	5.25
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	3.12
Stage 10 10444.13'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball PN: 121332-000014 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4.500"	2.375	115.46
344 54 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	5.630"	3.840	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500"	4.000	76.4
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4.500"	4.000	6.09
10529.27'		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	5.750"	3.875	5.25
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	3.1
Stage 9 10652.24'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball PN: 121332-000013 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4.500"	2.250	114.62
347 76 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	5.630"	3.840	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500"	4.000	77.85
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4.500"	4.000	6.08
10738.82'		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	5.750"	3.875	5.25
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	3.11
Stage 8 10861.23'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball PN: 121332-000012 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4.500"	2.125	114.05
351 00 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	5.630"	3.840	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500"	4.000	77.4
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4.500"	4.000	6.09
10947.37'		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	5.750"	3.875	5.25
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	4.500"	4.000	3.1
Stage 7 11071.37'		Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball PN: 121332-000011 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4.500"	2.000	115.65
354 26 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	5.630"	3.840	
		6' x 4-1/2" 11.6# P-110 LTC Pup Joint	4.500"	4.000	77.7
		Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)	4.500"	4.000	6.06
11157.78'		3' x 4-1/2" 11.6# P-110 LTC Pup Joint	5.750"	3.875	5.25
		4-1/2" 11.60# P-110 LTC LINER JOINTS: 2	4.500"	4.000	3.1
Stage 6 11244.44'		Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball PN: 121332-000010 (5 shear pins at 314 psi each: 1,570 psi opening pressure)	4.500"	1.875	78.31
356.94 BBLs		4-1/2" 11.60# P-110 LTC LINER JOINTS: 3	5.630"	3.840	
			4.500"	4.000	116.82
Service Center Midland, TX 432-563-8024			Contact Scott Mabry		
			Telephone Chad Williams 405-255-3223		



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outside Mewbourne Oil Company

Completion
Final

Prepared for Mr. Mickey Young		Company Mewbourne Oil Company		Date 14-Nov-11	
Well Name Zircon -2- State Com #1H		Type of Installation 20-Stage 4-1/2" StackFRAC® HD		Location Eddy County,NM	
Depth	Drawing	Description	OD(in)	ID(in)	Length
REV_					
11369.99'			4 500"	4 000	6 08
			5 750"	3.875	5 25
Stage 5 11491.67'			4 500"	4 000	3 12
360.76 BBLs			4 500"	4 000	113.31
			5 630"	1.750	2 65
				3.840	
11576.02'			4 500"	4 000	75 62
			4 500"	4 000	6 08
			5 750"	3.875	5 25
Stage 4 11698.70'			4 500"	4 000	3 1
363.98 BBLs			4 500"	4 000	114 33
			5 630"	1.625	2 65
				3.840	
11784.36'			4 500"	4 000	76 93
			4 500"	4 000	6 06
			5 750"	3.875	5 25
Stage 3 11907.02'			4 500"	4 000	3 1
367.21 BBLs			4 500"	4 000	114 31
			5 630"	1.500	2 65
				3.840	
11990.83'			4 500"	4 000	75.08
			4 500"	4 000	6 08
			5 750"	3.875	5 25
Stage 2 12112.57'			4 500"	4 000	3 1
370.40 BBLs			4 500"	4 000	113 39
			5 630"	1.375	2 65
				3.840	
12197.52'			4 500"	4 000	76.2
			4 500"	4 000	6 1
			5 750"	3.875	5 25
Stage 1 12322.01'			4 500"	4 000	3 09
373.64 BBLs			4 500"	4 000	116 15
EOT 12325' MD TD 12370' MD TVD 8087'					
Customer 4-1/2" Pump Off Sub (Pinned above 4000 PSI)			4 500"	2 441	2 99
Service Center Midland, TX			Telephone Chad Williams 405-255-3223		
Telephone 432-563-8024			Contact Scott Mabry		