



Mewbourne Oil Company

Mewbourne Oil Company

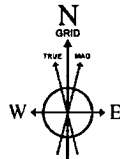
Location: Lea County, NM
Field: (Red West) Sec 10, T26S, R32E
Facility: Red Hills West 10 Fed Com No. 1H

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

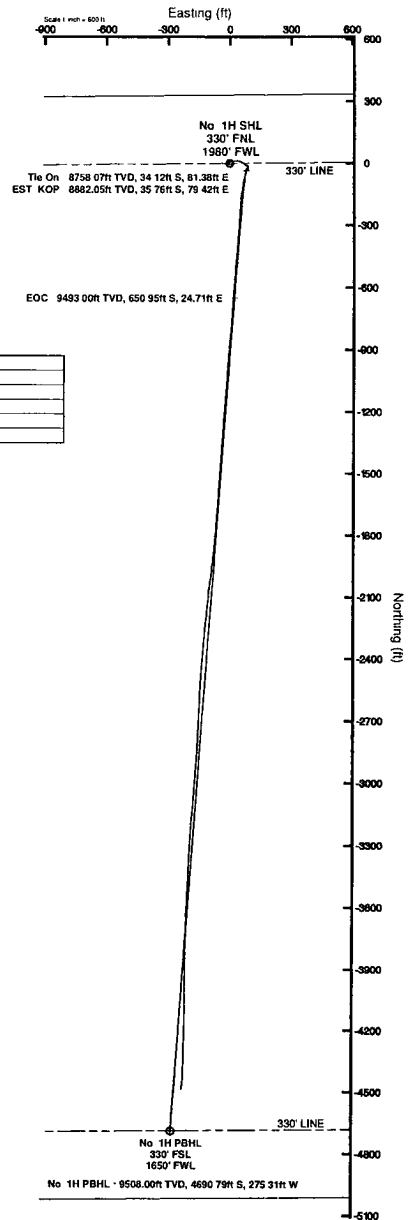


Well Profile Data

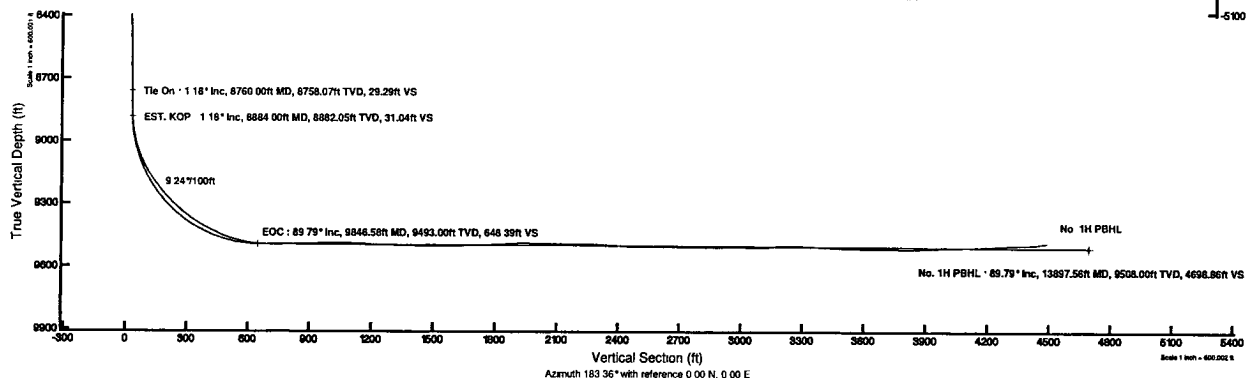
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	8760.00	1.180	230.110	8758.07	-34.12	81.38	0.00	29.29
EST. KOP	8884.00	1.180	230.110	8882.05	-35.76	79.42	0.00	31.04
EOC	9846.58	89.788	184.247	9493.00	-650.95	24.71	9.24	648.39
No. 1H PBHL	13897.56	89.788	184.247	9508.00	-4690.79	-275.31	0.00	4698.86



BGGM (1945.0 to 2012.0) Dip 60.03° Field 48539.8 nT
Magnetic North is 7.66 degrees East of True North (at 6/19/2011)
Grid North is 0.36 degrees East of True North
To correct azimuth from True to Grid subtract 0.36 degrees
To correct azimuth from Magnetic to Grid add 7.30 degrees
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.30 = 97.30



Plot reference wellpath is Plan 1	
True vertical depths are referenced to Rig on No. 1H SHL (RKB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No. 1H SHL (RKB)	North Reference: Grid north
Rig on No. 1H SHL (RKB) to Mean Sea Level: 3292.5 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot No. 1H SHL): -3275 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: calphik on 6/19/2011



Actual Wellpath Report

No. 1H AWP

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red West) Sec 10, T26S, R32E	Wellbore	No. 1H AWB
Facility	Red Hills West 10 Fed Com No. 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	Calhphik
Scale	0.999958	Report Generated	7/7/2011 at 7:32:49 AM
Convergence at slot	0.36° 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	707172.60	387634.08	32°03'50.245"N	103°39'52.435"W
Facility Reference Pt			707172.60	387634.08	32°03'50.245"N	103°39'52.435"W
Field Reference Pt			707172.60	387634.08	32°03'50.245"N	103°39'52.435"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 1H SHL (RKB) to GL	17.50ft
Horizontal Reference Pt	Slot	Rig on No. 1H SHL (RKB) to Mean Sea Level	3292.50ft
Vertical Reference Pt	Rig on No. 1H SHL (RKB)	Rig on No. 1H SHL (RKB) to Mud Line at Slot (No. 1H SHL)	17.50ft
MD Reference Pt	Rig on No. 1H SHL (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	182.82°

Actual Wellpath Report

No. 1H AWP

Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red West) Sec 10, T26S, R32E	Wellbore	No. 1H AWB
Facility	Red Hills West 10 Fed Com No. 1H		

WELLPATH DATA (243 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	97.100	0.00	0.00	0.00	0.00	707172.60	387634.08	32°03'50.245"N	103°39'52.435"W	0.00	
17.50	0.000	97.100	17.50	0.00	0.00	0.00	707172.60	387634.08	32°03'50.245"N	103°39'52.435"W	0.00	
100.00	0.260	97.100	100.00	0.01	-0.02	0.19	707172.79	387634.06	32°03'50.245"N	103°39'52.433"W	0.32	
200.00	0.330	142.220	200.00	0.25	-0.28	0.59	707173.19	387633.80	32°03'50.242"N	103°39'52.428"W	0.24	
300.00	0.220	66.760	300.00	0.38	-0.43	0.94	707173.54	387633.65	32°03'50.240"N	103°39'52.424"W	0.35	
400.00	0.440	114.750	400.00	0.44	-0.52	1.47	707174.07	387633.56	32°03'50.240"N	103°39'52.418"W	0.34	
500.00	0.840	79.530	499.99	0.42	-0.54	2.53	707175.13	387633.54	32°03'50.239"N	103°39'52.405"W	0.54	
600.00	0.590	108.680	599.98	0.39	-0.57	3.74	707176.34	387633.51	32°03'50.239"N	103°39'52.391"W	0.43	
700.00	0.810	99.990	699.97	0.62	-0.86	4.93	707177.53	387633.22	32°03'50.236"N	103°39'52.378"W	0.24	
800.00	0.450	140.740	799.97	1.00	-1.29	5.87	707178.47	387632.79	32°03'50.232"N	103°39'52.367"W	0.55	
900.00	0.400	141.430	899.97	1.55	-1.87	6.34	707178.94	387632.21	32°03'50.226"N	103°39'52.361"W	0.05	
1000.00	0.270	188.140	999.96	2.05	-2.37	6.52	707179.12	387631.71	32°03'50.221"N	103°39'52.359"W	0.29	
1100.00	0.290	341.480	1099.96	2.05	-2.37	6.41	707179.01	387631.71	32°03'50.221"N	103°39'52.360"W	0.54	
1200.00	0.200	48.150	1199.96	1.69	-2.01	6.46	707179.06	387632.07	32°03'50.224"N	103°39'52.360"W	0.28	
1300.00	0.170	14.290	1299.96	1.42	-1.75	6.62	707179.22	387632.33	32°03'50.227"N	103°39'52.358"W	0.11	
1400.00	0.570	328.080	1399.96	0.87	-1.18	6.40	707179.00	387632.90	32°03'50.233"N	103°39'52.360"W	0.47	
1500.00	0.920	333.230	1499.95	-0.24	-0.04	5.77	707178.37	387634.04	32°03'50.244"N	103°39'52.368"W	0.36	
1600.00	0.840	317.410	1599.94	-1.45	1.21	4.92	707177.52	387635.29	32°03'50.256"N	103°39'52.378"W	0.25	
1700.00	0.670	333.260	1699.93	-2.48	2.27	4.16	707176.76	387636.35	32°03'50.267"N	103°39'52.386"W	0.27	
1800.00	0.450	330.240	1799.93	-3.32	3.14	3.70	707176.30	387637.22	32°03'50.276"N	103°39'52.392"W	0.22	
1900.00	0.410	340.070	1899.92	-3.98	3.81	3.38	707175.98	387637.89	32°03'50.282"N	103°39'52.395"W	0.08	
2000.00	0.590	15.890	1999.92	-4.81	4.65	3.40	707176.00	387638.73	32°03'50.291"N	103°39'52.395"W	0.35	
2100.00	1.160	15.100	2099.91	-6.30	6.12	3.81	707176.41	387640.20	32°03'50.305"N	103°39'52.390"W	0.57	
2200.00	1.020	6.480	2199.89	-8.18	7.98	4.17	707176.77	387642.06	32°03'50.323"N	103°39'52.386"W	0.22	
2300.00	1.200	12.700	2299.87	-10.10	9.89	4.50	707177.10	387643.97	32°03'50.342"N	103°39'52.382"W	0.22	
2400.00	0.590	39.660	2399.86	-11.54	11.30	5.06	707177.66	387645.38	32°03'50.356"N	103°39'52.375"W	0.73	
2500.00	0.120	94.000	2499.86	-11.95	11.69	5.49	707178.09	387645.77	32°03'50.360"N	103°39'52.370"W	0.53	
2600.00	0.260	230.870	2599.86	-11.80	11.54	5.42	707178.02	387645.62	32°03'50.359"N	103°39'52.371"W	0.36	
2700.00	0.150	241.940	2699.86	-11.58	11.34	5.13	707177.73	387645.42	32°03'50.357"N	103°39'52.374"W	0.12	
2800.00	0.110	33.390	2799.86	-11.59	11.36	5.07	707177.67	387645.44	32°03'50.357"N	103°39'52.375"W	0.25	
2900.00	0.480	80.000	2899.86	-11.77	11.51	5.53	707178.13	387645.59	32°03'50.358"N	103°39'52.370"W	0.41	
3000.00	0.500	59.970	2999.85	-12.10	11.80	6.32	707178.92	387645.88	32°03'50.361"N	103°39'52.360"W	0.17	
3100.00	0.980	91.030	3099.84	-12.36	12.00	7.56	707180.15	387646.08	32°03'50.363"N	103°39'52.346"W	0.61	
3200.00	1.740	101.950	3199.81	-12.15	11.67	9.90	707182.50	387645.75	32°03'50.360"N	103°39'52.319"W	0.80	
3300.00	2.130	90.310	3299.76	-11.99	11.35	13.24	707185.84	387645.43	32°03'50.356"N	103°39'52.280"W	0.55	
3400.00	1.830	89.460	3399.70	-12.16	11.35	16.69	707189.29	387645.43	32°03'50.356"N	103°39'52.240"W	0.30	
3500.00	2.340	84.130	3499.63	-12.56	11.58	20.32	707192.92	387645.66	32°03'50.358"N	103°39'52.198"W	0.55	
3600.00	2.400	89.330	3599.55	-13.00	11.81	24.45	707197.04	387645.89	32°03'50.360"N	103°39'52.150"W	0.22	
3700.00	1.550	87.290	3699.49	-13.26	11.90	27.89	707200.49	387645.98	32°03'50.361"N	103°39'52.110"W	0.85	
3800.00	1.620	80.490	3799.45	-13.69	12.20	30.64	707203.23	387646.28	32°03'50.364"N	103°39'52.078"W	0.20	
3900.00	2.080	83.580	3899.40	-14.28	12.63	33.83	707206.43	387646.71	32°03'50.368"N	103°39'52.041"W	0.47	
4000.00	2.160	94.990	3999.33	-14.50	12.67	37.51	707210.11	387646.75	32°03'50.368"N	103°39'51.998"W	0.43	
4100.00	2.430	102.500	4099.25	-14.08	12.05	41.46	707214.06	387646.13	32°03'50.361"N	103°39'51.952"W	0.40	
4200.00	3.020	112.490	4199.13	-12.83	10.58	45.96	707218.56	387644.66	32°03'50.347"N	103°39'51.900"W	0.76	
4300.00	3.600	111.620	4298.97	-10.93	8.42	51.32	707223.91	387642.50	32°03'50.325"N	103°39'51.838"W	0.58	

Actual Wellpath Report

No. 1H AWP

Page 3 of 7

 Mewbourne Oil Company



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red West) Sec 10, T26S, R32E	Wellbore	No. 1H AWP
Facility	Red Hills West 10 Fed Com No. 1H		

WELLPATH DATA (243 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	3.590	113.180	4398.77	-8.83	6.03	57.11	707229.71	387640.11	32°03'50.301"N	103°39'51.771"W	0.10	
4500.00	2.780	114.400	4498.61	-6.85	3.80	62.20	707234.80	387637.88	32°03'50.278"N	103°39'51.712"W	0.81	
4600.00	1.920	120.060	4598.53	-5.19	1.95	65.86	707238.46	387636.03	32°03'50.260"N	103°39'51.669"W	0.89	
4700.00	1.750	127.610	4698.48	-3.56	0.18	68.52	707241.12	387634.26	32°03'50.242"N	103°39'51.639"W	0.30	
4800.00	1.560	131.540	4798.44	-1.83	-1.65	70.75	707243.84	387632.43	32°03'50.224"N	103°39'51.613"W	0.22	
4900.00	1.420	133.330	4898.40	-0.18	-3.40	72.67	707245.26	387630.68	32°03'50.207"N	103°39'51.591"W	0.15	
5000.00	1.190	113.290	4998.38	0.99	-4.66	74.52	707247.12	387629.42	32°03'50.194"N	103°39'51.569"W	0.51	
5100.00	1.180	130.630	5098.36	1.99	-5.75	76.26	707248.85	387628.33	32°03'50.183"N	103°39'51.549"W	0.36	
5200.00	0.970	117.280	5198.34	2.97	-6.80	77.79	707250.39	387627.28	32°03'50.173"N	103°39'51.531"W	0.33	
5300.00	0.990	120.290	5298.32	3.72	-7.63	79.29	707251.89	387626.45	32°03'50.164"N	103°39'51.514"W	0.06	
5400.00	0.950	134.150	5398.31	4.66	-8.64	80.63	707253.23	387625.44	32°03'50.154"N	103°39'51.498"W	0.24	
5500.00	0.450	139.410	5498.30	5.49	-9.52	81.48	707254.08	387624.56	32°03'50.146"N	103°39'51.489"W	0.50	
5600.00	0.770	133.210	5598.30	6.22	-10.27	82.23	707254.82	387623.81	32°03'50.138"N	103°39'51.480"W	0.33	
5700.00	0.440	141.360	5698.29	6.94	-11.03	82.96	707255.55	387623.05	32°03'50.130"N	103°39'51.472"W	0.34	
5800.00	0.250	138.850	5798.29	7.38	-11.50	83.34	707255.93	387622.58	32°03'50.126"N	103°39'51.467"W	0.19	
5900.00	0.480	108.900	5898.29	7.66	-11.80	83.88	707256.47	387622.28	32°03'50.123"N	103°39'51.461"W	0.29	
6000.00	0.340	102.040	5998.28	7.82	-12.00	84.56	707257.16	387622.08	32°03'50.121"N	103°39'51.453"W	0.15	
6100.00	0.320	107.230	6098.28	7.94	-12.14	85.12	707257.72	387621.94	32°03'50.119"N	103°39'51.447"W	0.04	
6200.00	0.270	134.020	6198.28	8.16	-12.39	85.56	707258.15	387621.69	32°03'50.117"N	103°39'51.441"W	0.15	
6300.00	0.120	100.530	6298.28	8.33	-12.57	85.83	707258.43	387621.51	32°03'50.115"N	103°39'51.438"W	0.18	
6400.00	0.190	146.350	6398.28	8.48	-12.73	86.03	707258.62	387621.35	32°03'50.114"N	103°39'51.436"W	0.14	
6500.00	0.130	104.220	6498.28	8.63	-12.89	86.23	707258.82	387621.19	32°03'50.112"N	103°39'51.434"W	0.13	
6600.00	0.210	100.190	6598.28	8.68	-12.95	86.52	707259.11	387621.13	32°03'50.111"N	103°39'51.430"W	0.08	
6700.00	0.270	70.250	6698.28	8.61	-12.91	86.92	707259.52	387621.17	32°03'50.112"N	103°39'51.426"W	0.14	
6800.00	0.300	87.110	6798.28	8.50	-12.81	87.40	707260.00	387621.27	32°03'50.113"N	103°39'51.420"W	0.09	
6900.00	0.280	115.560	6898.28	8.56	-12.91	87.88	707260.48	387621.17	32°03'50.112"N	103°39'51.414"W	0.14	
7000.00	0.110	142.350	6998.28	8.73	-13.09	88.16	707260.76	387620.99	32°03'50.110"N	103°39'51.411"W	0.19	
7100.00	0.230	156.920	7098.28	8.99	-13.35	88.30	707260.90	387620.73	32°03'50.107"N	103°39'51.410"W	0.13	
7200.00	0.630	207.390	7198.27	9.67	-14.02	88.13	707260.72	387620.06	32°03'50.101"N	103°39'51.412"W	0.52	
7300.00	0.380	172.800	7298.27	10.49	-14.84	87.92	707260.51	387619.24	32°03'50.093"N	103°39'51.414"W	0.38	
7400.00	0.560	139.870	7398.27	11.18	-15.54	88.27	707260.87	387618.54	32°03'50.086"N	103°39'51.410"W	0.32	
7500.00	0.600	136.180	7498.26	11.89	-16.29	88.95	707261.55	387617.79	32°03'50.078"N	103°39'51.402"W	0.05	
7600.00	0.510	150.420	7598.26	12.63	-17.06	89.53	707262.13	387617.02	32°03'50.070"N	103°39'51.396"W	0.16	
7700.00	0.730	179.730	7698.25	13.64	-18.08	89.75	707262.35	387616.00	32°03'50.060"N	103°39'51.393"W	0.38	
7800.00	0.920	169.580	7798.24	15.06	-19.51	89.91	707262.50	387614.57	32°03'50.046"N	103°39'51.391"W	0.24	
7900.00	0.550	183.420	7898.23	16.32	-20.78	90.02	707262.62	387613.31	32°03'50.034"N	103°39'51.390"W	0.41	
8000.00	1.110	192.850	7998.22	17.75	-22.20	89.78	707262.38	387611.88	32°03'50.020"N	103°39'51.393"W	0.57	
8100.00	0.760	203.590	8098.21	19.33	-23.75	89.30	707261.90	387610.33	32°03'50.004"N	103°39'51.399"W	0.39	
8200.00	1.240	196.010	8198.19	21.00	-25.40	88.74	707261.33	387608.68	32°03'49.988"N	103°39'51.405"W	0.50	
8300.00	0.980	228.730	8298.17	22.65	-27.00	87.79	707260.99	387607.08	32°03'49.972"N	103°39'51.417"W	0.67	
8400.00	1.430	215.760	8398.15	24.29	-28.58	86.42	707259.02	387605.50	32°03'49.957"N	103°39'51.433"W	0.52	
8500.00	1.140	210.970	8498.13	26.22	-30.44	85.18	707257.78	387603.64	32°03'49.938"N	103°39'51.447"W	0.31	
8600.00	1.130	235.830	8598.11	27.69	-31.85	83.85	707256.45	387602.23	32°03'49.924"N	103°39'51.463"W	0.49	
8700.00	1.270	222.070	8698.09	29.14	-33.23	82.30	707254.89	387600.85	32°03'49.911"N	103°39'51.481"W	0.32	
8760.00	1.180	230.110	8758.07	30.07	-34.12	81.58	707253.07	387599.96	32°03'49.902"N	103°39'51.492"W	0.32	

Actual Wellpath Report

No. 1H AWP

Page 4 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red West) Sec 10, T26S, R32E	Wellbore	No. 1H AWB
Facility	Red Hills West 10 Fed Com No. 1H		

WELLPATH DATA (243 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
8839.00	0.700	243.400	8837.06	30.86	-34.86	80.32	707252.92	387599.23	32°03'49.895"N	103°39'51.504"W	0.66	
8872.00	1.400	221.700	8870.06	31.27	-35.25	79.87	707252.47	387598.83	32°03'49.891"N	103°39'51.509"W	2.40	
8902.00	3.600	189.800	8900.03	32.49	-36.45	79.47	707252.06	387597.63	32°03'49.879"N	103°39'51.514"W	8.41	
8934.00	7.200	185.000	8931.88	35.50	-39.44	79.12	707251.72	387594.64	32°03'49.850"N	103°39'51.518"W	11.33	
8965.00	10.500	191.700	8962.51	40.23	-44.14	78.38	707250.98	387589.94	32°03'49.803"N	103°39'51.527"W	11.13	
8994.00	13.300	192.000	8990.88	46.13	-49.99	77.15	707249.75	387584.09	32°03'49.745"N	103°39'51.542"W	9.66	
9026.00	17.100	193.400	9021.76	54.40	-58.17	75.29	707247.89	387575.91	32°03'49.664"N	103°39'51.564"W	11.93	
9056.00	20.100	193.500	9050.19	63.80	-67.48	73.07	707245.66	387566.61	32°03'49.573"N	103°39'51.591"W	10.00	
9087.00	23.900	191.800	9078.92	75.24	-78.81	70.54	707243.14	387555.28	32°03'49.461"N	103°39'51.621"W	12.43	
9118.00	27.000	189.900	9106.91	88.43	-91.89	68.04	707240.64	387542.19	32°03'49.331"N	103°39'51.651"W	10.34	
9150.00	30.200	188.700	9135.00	103.65	-107.01	65.58	707238.17	387527.08	32°03'49.182"N	103°39'51.680"W	10.16	
9180.00	33.000	189.900	9160.55	119.26	-122.52	63.03	707235.63	387511.57	32°03'49.029"N	103°39'51.711"W	9.57	
9212.00	35.700	190.500	9186.97	137.17	-140.28	59.83	707232.43	387493.80	32°03'48.853"N	103°39'51.750"W	8.50	
9243.00	37.800	187.800	9211.81	155.60	-158.59	56.89	707229.49	387475.49	32°03'48.672"N	103°39'51.785"W	8.55	
9273.00	39.000	184.800	9235.32	174.20	-177.81	54.85	707227.45	387456.98	32°03'48.489"N	103°39'51.810"W	7.39	
9304.00	41.900	183.900	9258.91	194.30	-197.16	53.33	707225.93	387436.93	32°03'48.290"N	103°39'51.829"W	9.54	
9336.00	44.600	183.000	9282.22	216.22	-219.05	52.02	707224.62	387415.04	32°03'48.074"N	103°39'51.846"W	8.65	
9367.00	47.100	183.300	9303.81	238.46	-241.25	50.80	707223.39	387392.84	32°03'47.854"N	103°39'51.862"W	8.09	
9398.00	49.600	184.100	9324.41	261.62	-264.37	49.30	707221.90	387369.73	32°03'47.626"N	103°39'51.881"W	8.29	
9430.00	51.500	184.800	9344.74	286.32	-289.00	47.38	707219.98	387345.09	32°03'47.382"N	103°39'51.905"W	6.17	
9461.00	53.600	184.500	9363.59	310.91	-313.53	45.38	707217.98	387320.57	32°03'47.139"N	103°39'51.930"W	6.82	
9492.00	56.700	184.700	9381.30	336.34	-338.88	43.34	707215.94	387295.21	32°03'46.889"N	103°39'51.956"W	10.01	
9524.00	60.200	184.000	9398.04	363.59	-366.07	41.28	707213.88	387268.03	32°03'46.620"N	103°39'51.981"W	11.10	
9556.00	62.500	183.800	9413.38	391.67	-394.09	39.37	707211.97	387240.01	32°03'46.343"N	103°39'52.006"W	7.21	
9587.00	64.900	184.600	9427.12	419.45	-421.80	37.33	707209.93	387212.30	32°03'46.069"N	103°39'52.031"W	8.08	
9618.00	66.000	185.100	9440.00	447.63	-449.90	34.95	707207.55	387184.20	32°03'45.791"N	103°39'52.061"W	3.84	
9650.00	68.300	185.100	9452.42	477.09	-479.27	32.33	707204.93	387154.84	32°03'45.500"N	103°39'52.094"W	7.19	
9682.00	71.500	184.900	9463.42	507.12	-509.20	29.71	707202.31	387124.90	32°03'45.204"N	103°39'52.126"W	10.02	
9711.00	75.200	184.800	9471.73	534.88	-536.88	27.36	707199.96	387097.23	32°03'44.930"N	103°39'52.155"W	12.76	
9743.00	77.900	184.500	9479.17	565.98	-567.90	24.84	707197.44	387066.21	32°03'44.624"N	103°39'52.187"W	8.49	
9775.00	80.700	184.200	9485.11	597.41	-599.24	22.45	707195.05	387034.86	32°03'44.314"N	103°39'52.217"W	8.80	
9807.00	83.700	183.600	9489.45	629.11	-630.87	20.30	707192.90	387003.24	32°03'44.001"N	103°39'52.244"W	9.56	
9872.00	88.600	183.400	9493.82	693.94	-695.58	16.34	707188.94	386938.53	32°03'43.361"N	103°39'52.295"W	7.54	
9904.00	89.000	183.800	9494.49	725.93	-727.51	14.33	707186.93	386906.60	32°03'43.045"N	103°39'52.321"W	1.77	
9936.00	91.500	184.300	9494.35	757.92	-759.43	12.07	707184.67	386874.68	32°03'42.729"N	103°39'52.349"W	7.97	
9968.00	92.300	185.000	9493.29	789.88	-791.31	9.48	707182.08	386842.81	32°03'42.414"N	103°39'52.382"W	3.32	
9999.00	92.000	185.100	9492.12	820.84	-822.17	6.75	707179.35	386811.95	32°03'42.109"N	103°39'52.415"W	1.02	
10031.00	91.800	184.600	9491.06	852.80	-854.03	4.05	707176.65	386780.08	32°03'41.793"N	103°39'52.449"W	1.68	
10062.00	90.900	184.100	9490.33	883.78	-884.94	1.70	707174.30	386749.18	32°03'41.488"N	103°39'52.479"W	3.32	
10094.00	91.200	184.700	9489.75	915.76	-916.84	-0.76	707171.82	386717.28	32°03'41.172"N	103°39'52.510"W	2.10	
10126.00	91.900	184.900	9488.88	947.73	-948.71	-3.43	707169.17	386685.41	32°03'40.857"N	103°39'52.543"W	2.27	
10158.00	92.000	184.400	9487.79	979.70	-980.59	-6.03	707166.57	386653.54	32°03'40.542"N	103°39'52.575"W	1.59	
10190.00	89.600	183.600	9487.34	1011.68	-1012.50	-8.26	707164.34	386621.62	32°03'40.226"N	103°39'52.604"W	7.91	
10221.00	89.900	183.600	9487.48	1042.68	-1043.44	-10.21	707162.40	386590.68	32°03'39.920"N	103°39'52.628"W	0.97	
10253.00	90.100	183.900	9487.48	1074.68	-1075.37	-12.50	707160.30	386558.75	32°03'39.604"N	103°39'52.655"W	1.13	

Actual Wellpath Report

No. 1H AWP

Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red West) Sec 10, T26S, R32E	Wellbore	No. 1H AWP
Facility	Red Hills West 10 Fed Com No. 1H		

WELLPATH DATA (243 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
10285.00	87.900	184.900	9488.04	1106.66	-1107.27	-14.75	707157.85	386526.86	32°03'39.289"N	103°39'52.686"W	7.55	
10317.00	88.000	184.900	9489.18	1138.61	-1139.13	-17.48	707155.12	386494.99	32°03'38.973"N	103°39'52.720"W	0.31	
10349.00	87.000	184.900	9490.58	1170.56	-1170.99	-20.21	707152.39	386463.14	32°03'38.658"N	103°39'52.754"W	3.12	
10381.00	86.800	184.800	9492.31	1202.50	-1202.83	-22.92	707149.68	386431.31	32°03'38.344"N	103°39'52.788"W	0.70	
10412.00	86.700	184.700	9494.07	1233.43	-1233.67	-25.48	707147.12	386400.46	32°03'38.038"N	103°39'52.820"W	0.46	
10444.00	87.900	183.700	9495.57	1265.38	-1265.55	-27.82	707144.78	386368.59	32°03'37.723"N	103°39'52.849"W	4.88	
10475.00	88.400	183.600	9496.57	1296.36	-1296.47	-29.79	707142.81	386337.67	32°03'37.417"N	103°39'52.874"W	1.64	
10507.00	88.200	183.600	9497.52	1328.35	-1328.39	-31.80	707140.80	386305.75	32°03'37.102"N	103°39'52.900"W	0.62	
10539.00	88.600	183.900	9498.42	1360.33	-1360.31	-33.89	707138.71	386273.83	32°03'36.786"N	103°39'52.927"W	1.56	
10571.00	88.300	184.000	9499.28	1392.31	-1392.22	-36.10	707136.51	386241.92	32°03'36.470"N	103°39'52.954"W	0.99	
10603.00	88.500	184.000	9500.18	1424.29	-1424.13	-38.33	707134.27	386210.01	32°03'36.155"N	103°39'52.983"W	0.62	
10634.00	88.500	184.300	9500.99	1455.27	-1455.04	-40.57	707132.03	386179.10	32°03'35.849"N	103°39'53.011"W	0.97	
10666.00	89.500	183.600	9501.55	1487.26	-1486.96	-42.77	707129.83	386147.19	32°03'35.533"N	103°39'53.039"W	3.81	
10697.00	90.200	184.000	9501.63	1518.26	-1517.89	-44.83	707127.77	386116.26	32°03'35.227"N	103°39'53.065"W	2.60	
10729.00	90.900	184.200	9501.32	1550.25	-1549.81	-47.12	707125.49	386084.34	32°03'34.911"N	103°39'53.094"W	2.28	
10761.00	90.400	184.000	9500.96	1582.24	-1581.72	-49.40	707123.20	386052.43	32°03'34.596"N	103°39'53.123"W	1.68	
10792.00	90.600	184.100	9500.69	1613.23	-1612.64	-51.59	707121.01	386021.51	32°03'34.290"N	103°39'53.150"W	0.72	
10824.00	92.400	184.700	9499.85	1645.20	-1644.54	-54.05	707118.55	385989.61	32°03'33.974"N	103°39'53.181"W	5.93	
10855.00	91.900	184.500	9498.69	1676.17	-1675.42	-56.53	707116.07	385958.74	32°03'33.669"N	103°39'53.212"W	1.74	
10887.00	92.300	184.000	9497.51	1708.14	-1707.31	-58.90	707113.70	385926.85	32°03'33.354"N	103°39'53.242"W	2.00	
10919.00	92.900	184.100	9496.06	1740.10	-1739.19	-61.16	707111.44	385894.96	32°03'33.038"N	103°39'53.271"W	1.90	
10951.00	93.100	184.400	9494.39	1772.04	-1771.06	-63.53	707109.07	385863.10	32°03'32.723"N	103°39'53.300"W	1.13	
10983.00	92.800	184.200	9492.74	1803.99	-1802.93	-65.92	707106.68	385831.23	32°03'32.408"N	103°39'53.331"W	1.13	
11014.00	92.600	185.600	9491.28	1834.93	-1833.78	-68.57	707104.03	385800.38	32°03'32.103"N	103°39'53.363"W	4.56	
11046.00	93.200	185.900	9489.66	1866.85	-1865.68	-71.77	707100.83	385768.58	32°03'31.788"N	103°39'53.403"W	2.10	
11077.00	92.000	186.700	9488.25	1897.76	-1896.36	-75.17	707097.43	385737.80	32°03'31.484"N	103°39'53.445"W	4.65	
11109.00	89.800	186.400	9487.75	1929.69	-1928.14	-78.82	707093.78	385706.02	32°03'31.170"N	103°39'53.489"W	6.94	
11141.00	89.700	186.600	9487.89	1961.62	-1959.94	-82.44	707090.16	385674.23	32°03'30.855"N	103°39'53.534"W	0.70	
11173.00	89.900	187.100	9488.00	1993.54	-1991.71	-86.26	707086.35	385642.46	32°03'30.541"N	103°39'53.580"W	1.68	
11204.00	89.500	187.200	9488.17	2024.45	-2022.17	-90.12	707082.49	385611.70	32°03'30.237"N	103°39'53.627"W	1.23	
11236.00	88.700	186.400	9488.67	2056.37	-2054.24	-93.90	707078.70	385579.93	32°03'29.923"N	103°39'53.674"W	3.54	
11268.00	90.000	186.100	9489.03	2088.31	-2086.04	-97.39	707075.22	385548.13	32°03'29.608"N	103°39'53.716"W	4.17	
11300.00	90.200	185.700	9488.98	2120.26	-2117.88	-100.68	707071.93	385516.30	32°03'29.293"N	103°39'53.757"W	1.40	
11331.00	88.500	184.900	9489.33	2151.23	-2148.74	-103.54	707069.06	385485.43	32°03'28.988"N	103°39'53.792"W	6.06	
11363.00	87.800	185.600	9490.36	2183.19	-2180.59	-106.47	707066.14	385453.59	32°03'28.673"N	103°39'53.829"W	3.09	
11395.00	90.000	186.200	9490.97	2215.13	-2212.41	-109.76	707062.85	385421.77	32°03'28.358"N	103°39'53.869"W	7.13	
11427.00	90.100	186.100	9490.95	2247.08	-2244.23	-113.18	707059.42	385389.95	32°03'28.044"N	103°39'53.911"W	0.44	
11459.00	88.700	185.100	9491.28	2279.04	-2276.07	-116.31	707056.30	385358.11	32°03'27.729"N	103°39'53.950"W	5.38	
11490.00	86.500	184.900	9492.58	2309.99	-2306.92	-119.01	707053.60	385327.26	32°03'27.424"N	103°39'53.984"W	7.13	
11522.00	86.500	184.600	9494.53	2341.91	-2338.78	-121.65	707050.95	385295.43	32°03'27.109"N	103°39'54.017"W	0.94	
11554.00	85.900	184.700	9496.65	2373.82	-2370.58	-124.24	707048.37	385263.60	32°03'26.794"N	103°39'54.049"W	1.90	
11586.00	85.600	184.700	9499.03	2405.72	-2402.38	-126.85	707045.75	385231.80	32°03'26.480"N	103°39'54.082"W	0.94	
11617.00	85.000	184.700	9501.57	2436.59	-2433.18	-129.39	707043.22	385201.01	32°03'26.175"N	103°39'54.113"W	1.94	
11649.00	86.100	184.200	9504.05	2468.48	-2464.98	-131.86	707040.75	385169.21	32°03'25.861"N	103°39'54.144"W	3.77	
11681.00	88.400	184.600	9505.58	2500.43	-2496.85	-134.31	707038.29	385137.34	32°03'25.545"N	103°39'54.175"W	7.30	

Actual Wellpath Report

No. 1H AWP

Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red West) Sec 10, T26S, R32E	Wellbore	No. 1H AWP
Facility	Red Hills West 10 Fed Com No. 1H		

WELLPATH DATA (243 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
11713.00	91.800	183.800	9505.53	2532.42	-2528.76	-136.66	707035.95	385105.43	32°03'25.230"N	103°39'54.205"W	10.92	
11745.00	90.300	181.500	9504.94	2564.41	-2560.72	-138.13	707034.47	385073.48	32°03'24.914"N	103°39'54.224"W	8.58	
11777.00	89.500	181.800	9505.00	2596.40	-2592.70	-139.06	707033.55	385041.49	32°03'24.597"N	103°39'54.237"W	2.67	
11809.00	89.900	182.400	9505.16	2628.40	-2624.68	-140.23	707032.38	385009.52	32°03'24.281"N	103°39'54.253"W	2.25	
11841.00	90.200	183.000	9505.14	2660.40	-2656.64	-141.74	707030.87	384977.55	32°03'23.965"N	103°39'54.273"W	2.10	
11872.00	89.700	183.100	9505.16	2691.40	-2687.60	-143.39	707029.22	384946.60	32°03'23.658"N	103°39'54.294"W	1.64	
11904.00	90.200	183.000	9505.19	2723.40	-2719.55	-145.09	707027.52	384914.64	32°03'23.342"N	103°39'54.316"W	1.59	
11936.00	88.800	183.100	9505.47	2755.40	-2751.51	-146.79	707025.82	384882.69	32°03'23.026"N	103°39'54.338"W	4.39	
11968.00	88.300	182.600	9506.28	2787.39	-2783.46	-148.38	707024.23	384850.74	32°03'22.710"N	103°39'54.359"W	2.21	
11999.00	89.800	182.900	9506.79	2818.38	-2814.42	-149.87	707022.74	384819.79	32°03'22.404"N	103°39'54.379"W	4.93	
12031.00	89.400	183.100	9507.02	2850.38	-2846.37	-151.54	707021.06	384787.83	32°03'22.088"N	103°39'54.400"W	1.40	
12063.00	91.100	183.700	9506.88	2882.38	-2878.31	-153.44	707019.17	384755.89	32°03'21.772"N	103°39'54.425"W	5.63	
12095.00	92.200	184.300	9505.96	2914.36	-2910.22	-155.67	707016.93	384723.99	32°03'21.456"N	103°39'54.453"W	3.92	
12127.00	92.500	184.400	9504.64	2946.32	-2942.10	-158.10	707014.51	384692.11	32°03'21.141"N	103°39'54.483"W	0.99	
12159.00	88.800	184.800	9504.28	2978.29	-2973.99	-160.66	707011.94	384660.22	32°03'20.825"N	103°39'54.516"W	1.63	
12190.00	88.300	184.700	9505.07	3009.27	-3004.88	-163.23	707009.38	384629.34	32°03'20.520"N	103°39'54.548"W	1.64	
12222.00	87.500	184.400	9506.24	3041.23	-3036.75	-165.77	707006.84	384597.46	32°03'20.205"N	103°39'54.579"W	2.67	
12254.00	89.100	183.400	9507.19	3073.21	-3068.66	-167.94	707004.67	384565.55	32°03'19.889"N	103°39'54.607"W	5.90	
12286.00	89.600	183.600	9507.55	3105.21	-3100.60	-169.89	707002.71	384533.61	32°03'19.573"N	103°39'54.632"W	1.68	
12317.00	95.500	185.400	9506.17	3136.15	-3131.46	-172.82	707000.29	384502.76	32°03'19.268"N	103°39'54.662"W	19.90	
12349.00	97.100	185.600	9502.66	3167.92	-3163.12	-175.37	706997.24	384471.10	32°03'18.955"N	103°39'54.700"W	5.04	
12381.00	93.900	185.300	9499.59	3199.73	-3194.82	-178.40	706994.21	384439.40	32°03'18.641"N	103°39'54.737"W	10.04	
12413.00	91.800	184.300	9498.00	3231.67	-3226.67	-181.07	706991.54	384407.55	32°03'18.326"N	103°39'54.771"W	7.27	
12444.00	88.900	183.100	9497.81	3262.66	-3257.60	-183.07	706989.54	384376.62	32°03'18.020"N	103°39'54.796"W	10.12	
12476.00	86.300	182.800	9499.15	3294.63	-3289.53	-184.71	706987.89	384344.70	32°03'17.704"N	103°39'54.818"W	8.18	
12507.00	86.600	182.900	9501.07	3325.57	-3320.43	-186.25	706986.35	384313.80	32°03'17.399"N	103°39'54.838"W	1.02	
12539.00	86.400	183.100	9503.03	3357.51	-3352.33	-187.92	706984.68	384281.90	32°03'17.083"N	103°39'54.860"W	0.88	
12571.00	86.000	182.800	9505.15	3389.44	-3384.21	-189.57	706983.04	384250.01	32°03'16.768"N	103°39'54.881"W	1.56	
12602.00	87.300	182.700	9506.96	3420.39	-3415.12	-191.05	706981.56	384219.10	32°03'16.462"N	103°39'54.900"W	4.21	
12634.00	88.200	182.900	9508.22	3452.36	-3447.06	-192.61	706979.99	384187.17	32°03'16.146"N	103°39'54.921"W	2.88	
12666.00	88.300	183.200	9509.19	3484.35	-3479.00	-194.32	706978.29	384155.23	32°03'15.830"N	103°39'54.943"W	0.99	
12697.00	88.200	183.100	9510.14	3515.33	-3509.94	-196.02	706976.59	384124.29	32°03'15.524"N	103°39'54.965"W	0.46	
12729.00	88.900	182.900	9510.95	3547.32	-3541.89	-197.69	706974.92	384092.35	32°03'15.208"N	103°39'54.987"W	2.27	
12761.00	87.800	182.700	9511.87	3579.31	-3573.83	-199.26	706973.35	384060.40	32°03'14.892"N	103°39'55.007"W	3.49	
12792.00	88.200	181.900	9512.95	3610.29	-3604.79	-200.50	706972.11	384029.45	32°03'14.586"N	103°39'55.024"W	2.88	
12824.00	90.200	181.300	9513.40	3642.28	-3636.77	-201.39	706971.22	383997.47	32°03'14.269"N	103°39'55.036"W	6.53	
12856.00	89.900	181.300	9513.37	3674.27	-3668.76	-202.12	706970.49	383965.48	32°03'13.953"N	103°39'55.047"W	0.94	
12888.00	90.500	180.700	9513.26	3706.25	-3700.76	-202.68	706969.93	383933.48	32°03'13.636"N	103°39'55.056"W	2.65	
12920.00	89.200	181.200	9513.34	3738.23	-3732.75	-203.21	706969.40	383901.49	32°03'13.320"N	103°39'55.064"W	4.35	
12952.00	88.600	181.300	9513.96	3770.21	-3764.74	-203.91	706968.70	383869.51	32°03'13.003"N	103°39'55.075"W	1.90	
12984.00	90.200	181.400	9514.29	3802.20	-3796.73	-204.66	706967.95	383837.52	32°03'12.687"N	103°39'55.086"W	5.01	
13015.00	90.800	181.300	9514.02	3833.19	-3827.72	-205.39	706967.22	383806.53	32°03'12.380"N	103°39'55.097"W	1.96	
13047.00	91.900	181.000	9513.27	3865.16	-3859.70	-206.03	706966.58	383774.55	32°03'12.064"N	103°39'55.106"W	3.56	
13079.00	92.200	180.800	9512.12	3897.13	-3891.68	-206.53	706966.07	383742.57	32°03'11.747"N	103°39'55.115"W	1.13	
13111.00	92.700	180.800	9510.76	3929.08	-3923.64	-206.98	706965.63	383710.61	32°03'11.431"N	103°39'55.122"W	1.56	

Actual Wellpath Report

No. 1H AWP

Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	Mewbourne Oil Company	Slot	No. 1H SHL
Area	Lea County, NM	Well	No. 1H
Field	(Red West) Sec 10, T26S, R32E	Wellbore	No. 1H AWB
Facility	Red Hills West 10 Fed Com No. 1H		

WELLPATH DATA (243 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
13142.00	92.700	180.800	9509.30	3960.02	-3954.61	-207.41	706965.20	383679.65	32°03'11.124"N	103°39'55.129"W	0.00	
13174.00	91.500	180.300	9508.12	3991.98	-3986.58	-207.72	706964.89	383647.67	32°03'10.808"N	103°39'55.135"W	4.06	
13206.00	91.200	179.600	9507.37	4023.93	-4018.57	-207.69	706964.92	383615.68	32°03'10.492"N	103°39'55.137"W	2.38	
13238.00	91.400	179.600	9506.64	4055.87	-4050.57	-207.47	706965.14	383583.69	32°03'10.175"N	103°39'55.137"W	0.62	
13270.00	91.400	179.200	9505.86	4087.80	-4082.55	-207.13	706965.48	383551.70	32°03'09.858"N	103°39'55.135"W	1.25	
13301.00	90.300	181.200	9505.40	4118.76	-4113.55	-207.24	706965.37	383520.71	32°03'09.552"N	103°39'55.139"W	7.36	
13334.00	93.300	182.200	9504.36	4151.74	-4146.51	-208.22	706964.39	383487.75	32°03'09.226"N	103°39'55.152"W	9.58	
13365.00	93.500	181.800	9502.53	4182.68	-4177.44	-209.30	706963.31	383456.82	32°03'08.920"N	103°39'55.167"W	1.44	
13397.00	91.800	181.900	9501.05	4214.64	-4209.39	-210.33	706962.28	383424.88	32°03'08.603"N	103°39'55.181"W	5.32	
13429.00	92.700	181.900	9499.79	4246.61	-4241.35	-211.39	706961.22	383392.92	32°03'08.287"N	103°39'55.196"W	2.81	
13460.00	93.400	182.400	9498.14	4277.56	-4272.28	-212.55	706960.06	383361.99	32°03'07.981"N	103°39'55.212"W	2.77	
13492.00	93.000	181.000	9496.35	4309.51	-4304.21	-213.50	706959.11	383330.05	32°03'07.665"N	103°39'55.225"W	4.54	
13524.00	91.400	181.000	9495.13	4341.47	-4336.19	-214.06	706958.55	383298.08	32°03'07.349"N	103°39'55.234"W	5.00	
13556.00	90.300	181.300	9494.65	4373.45	-4368.17	-214.70	706957.91	383266.10	32°03'07.032"N	103°39'55.244"W	3.56	
13588.00	91.700	181.200	9494.09	4405.43	-4400.16	-215.40	706957.21	383234.11	32°03'06.716"N	103°39'55.254"W	4.39	
13619.00	95.500	183.700	9492.15	4436.36	-4431.06	-216.72	706955.89	383203.21	32°03'06.410"N	103°39'55.272"W	14.66	
13639.00	97.400	184.600	9489.90	4456.23	-4450.88	-218.16	706954.45	383183.39	32°03'06.214"N	103°39'55.290"W	10.50	
13677.00	97.400	184.600	9485.01	4493.89	-4488.45	-221.18	706951.43	383145.83	32°03'05.843"N	103°39'55.328"W	0.00	Project to Bit

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No. 1H PBHL		9508.00	-4690.79	-275.31	706897.30	382943.50	32°03'03.844"N	103°39'55.971"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
17.50	8760.00	Generic gyro - northseeking (Standard)	Gyro	No. 1H AWB
8760.00	13677.00	NaviTrak (Standard)	MWD	No. 1H AWB