

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	(Bradley) Sec 29, T18S, R30E	Wellbore	No.1H AWB
Facility	Bradley 30 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	Gentbry
Scale	0.999921	Report Generated	11/10/2011 at 10:25:41 AM
Convergence at slot	0.18° 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	602177.02	624437.02	32°42'58.443"N	104°00'04.021"W
Facility Reference Pt			602177.02	624437.02	32°42'58.443"N	104°00'04.021"W
Field Reference Pt			605219.71	623628.40	32°42'50.345"N	103°59'28.437"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on No. 1H SHL (KB) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Slot	Rig on No. 1H SHL (KB) to Mean Sea Level	3442.00ft
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	271.35°

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WELLPATH DATA (240 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	196.320	0.00	0.00	0.00	0.00	602177.02	624437.02	32°42'58.443"N	104°00'04.021"W	0.00	
18.00	0.000	196.320	18.00	0.00	0.00	0.00	602177.02	624437.02	32°42'58.443"N	104°00'04.021"W	0.00	
100.00	0.290	196.320	100.00	0.05	-0.20	-0.06	602176.96	624436.82	32°42'58.441"N	104°00'04.021"W	0.35	
200.00	0.400	62.380	200.00	-0.19	-0.28	0.18	602177.20	624436.74	32°42'58.440"N	104°00'04.019"W	0.64	
300.00	0.630	275.990	300.00	0.06	0.06	0.06	602176.96	624436.96	32°42'58.442"N	104°00'04.021"W	0.99	
400.00	0.340	260.960	399.99	0.90	-0.05	-0.90	602176.12	624436.97	32°42'58.442"N	104°00'04.031"W	0.31	
500.00	0.230	1.790	499.99	1.19	0.10	-1.18	602175.84	624437.12	32°42'58.444"N	104°00'04.035"W	0.44	
600.00	0.530	354.750	599.99	1.24	0.76	-1.22	602175.80	624437.79	32°42'58.450"N	104°00'04.035"W	0.30	
700.00	0.360	279.360	699.99	1.60	1.28	-1.57	602175.45	624438.30	32°42'58.455"N	104°00'04.039"W	0.56	
800.00	0.290	331.380	799.99	2.04	1.55	2.00	602175.02	624438.57	32°42'58.458"N	104°00'04.044"W	0.29	
900.00	0.680	94.920	899.98	1.57	1.72	-1.53	602175.49	624438.74	32°42'58.460"N	104°00'04.039"W	0.87	
1000.00	0.750	83.330	999.98	0.33	1.75	-0.29	602176.73	624438.77	32°42'58.460"N	104°00'04.024"W	0.16	
1100.00	1.710	76.640	1099.95	-1.76	2.17	1.81	602178.83	624439.19	32°42'58.464"N	104°00'03.999"W	0.97	
1200.00	1.420	65.150	1199.92	-4.31	3.03	4.39	602181.41	624440.05	32°42'58.472"N	104°00'03.969"W	0.43	
1300.00	1.220	46.560	1299.89	6.18	4.29	6.28	602183.30	624441.31	32°42'58.485"N	104°00'03.947"W	0.47	
1400.00	0.810	30.180	1399.87	-7.28	5.63	7.41	602184.43	624442.65	32°42'58.498"N	104°00'03.934"W	0.50	
1500.00	0.330	33.830	1499.87	-7.77	6.48	7.93	602184.95	624443.50	32°42'58.506"N	104°00'03.928"W	0.48	
1600.00	0.380	344.360	1599.87	-7.83	7.04	8.00	602185.02	624444.06	32°42'58.512"N	104°00'03.927"W	0.30	
1700.00	0.390	351.200	1699.86	-7.67	7.69	7.86	602184.88	624444.71	32°42'58.518"N	104°00'03.928"W	0.05	
1800.00	0.790	348.140	1799.86	-7.46	8.70	7.66	602184.68	624445.72	32°42'58.528"N	104°00'03.931"W	0.40	
1900.00	0.850	338.330	1899.85	-7.01	10.07	7.25	602184.27	624447.09	32°42'58.542"N	104°00'03.936"W	0.15	
2000.00	0.830	319.790	1999.84	-6.24	11.31	6.51	602183.53	624448.33	32°42'58.554"N	104°00'03.944"W	0.27	
2100.00	0.900	325.480	2099.83	-5.30	12.51	5.59	602182.61	624449.53	32°42'58.566"N	104°00'03.955"W	0.11	
2200.00	0.750	345.160	2199.82	-4.65	13.79	4.98	602182.00	624450.81	32°42'58.579"N	104°00'03.962"W	0.32	
2300.00	0.330	300.200	2299.81	-4.22	14.57	4.56	602181.59	624451.59	32°42'58.587"N	104°00'03.967"W	0.57	
2400.00	0.720	240.040	2399.81	-3.43	14.40	3.77	602180.79	624451.42	32°42'58.585"N	104°00'03.976"W	0.63	
2500.00	0.640	213.650	2499.80	-2.59	13.62	2.92	602179.94	624450.64	32°42'58.577"N	104°00'03.986"W	0.32	
2600.00	0.980	226.590	2599.79	-1.69	12.57	1.99	602179.01	624449.59	32°42'58.567"N	104°00'03.997"W	0.38	
2700.00	0.950	251.730	2699.78	-0.30	11.72	0.58	602177.60	624448.74	32°42'58.559"N	104°00'04.014"W	0.42	
2800.00	1.060	256.840	2799.76	1.38	11.25	1.11	602175.91	624448.27	32°42'58.554"N	104°00'04.033"W	0.14	
2900.00	0.990	257.310	2899.75	3.11	10.85	-2.85	602174.17	624447.87	32°42'58.550"N	104°00'04.054"W	0.07	
3000.00	0.800	235.310	2999.73	4.51	10.26	-4.27	602172.75	624447.28	32°42'58.544"N	104°00'04.070"W	0.39	
3100.00	0.830	266.400	3099.72	5.80	9.82	-5.57	602171.45	624446.84	32°42'58.540"N	104°00'04.086"W	0.44	
3200.00	0.950	272.600	3199.71	7.35	9.81	-7.12	602169.90	624446.83	32°42'58.540"N	104°00'04.104"W	0.15	
3300.00	1.180	261.780	3299.70	9.19	9.70	-8.97	602168.06	624446.72	32°42'58.539"N	104°00'04.125"W	0.30	
3400.00	0.610	261.830	3399.68	10.73	9.48	-10.51	602166.51	624446.50	32°42'58.537"N	104°00'04.143"W	0.57	
3500.00	0.590	287.340	3499.68	11.75	9.56	-11.53	602165.49	624446.58	32°42'58.537"N	104°00'04.155"W	0.27	
3600.00	1.010	259.580	3599.67	13.11	9.55	-12.89	602164.13	624446.57	32°42'58.537"N	104°00'04.171"W	0.56	
3700.00	0.600	284.220	3699.66	14.48	9.52	-14.26	602162.76	624446.54	32°42'58.537"N	104°00'04.187"W	0.53	
3800.00	1.010	277.400	3799.65	15.87	9.76	-15.64	602161.38	624446.78	32°42'58.540"N	104°00'04.203"W	0.42	
3900.00	0.660	297.350	3899.64	17.26	10.14	-17.03	602159.99	624447.16	32°42'58.543"N	104°00'04.220"W	0.45	
4000.00	0.770	262.380	3999.63	18.45	10.32	-18.21	602158.82	624447.34	32°42'58.545"N	104°00'04.233"W	0.44	
4100.00	0.960	278.390	4099.62	19.94	10.35	-19.70	602157.32	624447.37	32°42'58.546"N	104°00'04.251"W	0.31	
4200.00	0.900	281.770	4199.61	21.54	10.63	-21.30	602155.72	624447.65	32°42'58.548"N	104°00'04.270"W	0.08	
4300.00	0.630	272.270	4299.60	22.87	10.81	-22.62	602154.41	624447.83	32°42'58.550"N	104°00'04.285"W	0.30	

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Area	Eddy County, NM	Well	No. 1H
Field	(Bradley) Sec 29, T18S, R30E	Wellbore	No.1H AWB
Facility	Bradley 30 Fed Com No. 1H		

WELLPATH DATA (240 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	0.710	309.660	4399.59	23.90	11.23	-23.64	602153.38	624448.25	32°42'58.554"N	104°00'04.297"W	0.44	
4500.00	1.030	325.390	4499.58	24.92	12.37	-24.63	602152.39	624449.39	32°42'58.566"N	104°00'04.309"W	0.40	
4600.00	1.560	318.070	4599.55	26.38	14.12	-26.05	602150.97	624451.14	32°42'58.583"N	104°00'04.325"W	0.55	
4700.00	1.110	317.310	4699.53	27.98	15.84	-27.62	602149.41	624452.86	32°42'58.600"N	104°00'04.343"W	0.45	
4800.00	1.380	345.090	4799.50	28.99	17.72	-28.59	602148.44	624454.74	32°42'58.619"N	104°00'04.355"W	0.65	
4900.00	1.630	336.430	4899.47	29.93	20.19	-29.46	602147.56	624457.20	32°42'58.643"N	104°00'04.365"W	0.34	
5000.00	1.150	318.960	4999.44	31.21	22.25	-30.69	602146.33	624459.27	32°42'58.664"N	104°00'04.379"W	0.64	
5100.00	1.450	296.740	5099.41	33.03	23.57	-32.48	602144.54	624460.59	32°42'58.677"N	104°00'04.400"W	0.58	
5200.00	1.720	292.720	5199.38	35.57	24.72	-34.99	602142.03	624461.74	32°42'58.688"N	104°00'04.429"W	0.29	
5300.00	2.090	291.300	5299.32	38.68	25.96	-38.08	602138.95	624462.98	32°42'58.701"N	104°00'04.465"W	0.37	
5400.00	2.270	277.540	5399.25	42.36	26.89	-41.74	602135.29	624463.90	32°42'58.710"N	104°00'04.508"W	0.55	
5500.00	1.800	269.120	5499.19	45.90	27.12	-45.27	602131.75	624464.14	32°42'58.712"N	104°00'04.550"W	0.56	
5600.00	1.970	280.930	5599.13	49.16	27.42	-48.53	602128.49	624464.44	32°42'58.715"N	104°00'04.588"W	0.42	
5700.00	2.150	286.570	5699.07	52.67	28.28	-52.02	602125.01	624465.30	32°42'58.724"N	104°00'04.628"W	0.27	
5800.00	1.830	283.570	5799.01	56.04	29.19	-55.37	602121.66	624466.21	32°42'58.733"N	104°00'04.668"W	0.34	
5900.00	1.270	306.610	5898.97	58.50	30.23	-57.81	602119.22	624467.25	32°42'58.743"N	104°00'04.696"W	0.83	
5985.00	1.100	344.520	5983.95	59.51	31.58	-58.78	602118.24	624468.60	32°42'58.757"N	104°00'04.708"W	0.93	
6026.00	1.300	75.400	6024.95	59.18	32.07	-58.44	602118.59	624469.09	32°42'58.762"N	104°00'04.703"W	4.18	
6072.00	1.230	91.640	6070.94	58.18	32.19	-57.44	602119.59	624469.21	32°42'58.763"N	104°00'04.692"W	0.79	
6136.00	0.410	129.400	6134.93	57.31	32.03	-56.58	602120.45	624469.04	32°42'58.761"N	104°00'04.682"W	1.47	
6199.00	0.400	196.600	6197.93	57.19	31.67	-56.46	602120.56	624468.69	32°42'58.758"N	104°00'04.680"W	0.71	
6297.00	0.400	122.400	6295.93	56.99	31.16	-56.27	602120.75	624468.18	32°42'58.753"N	104°00'04.678"W	0.49	
6392.00	0.500	157.900	6390.92	56.54	30.60	-55.84	602121.19	624467.62	32°42'58.747"N	104°00'04.673"W	0.31	
6488.00	0.200	186.800	6486.92	56.39	30.04	-55.70	602121.33	624467.06	32°42'58.742"N	104°00'04.672"W	0.35	
6583.00	0.100	219.600	6581.92	56.46	29.82	-55.77	602121.25	624466.83	32°42'58.739"N	104°00'04.672"W	0.13	
6678.00	0.400	221.400	6676.92	56.72	29.50	-56.04	602120.98	624466.52	32°42'58.736"N	104°00'04.676"W	0.32	
6774.00	0.500	206.100	6772.92	57.11	28.88	-56.45	602120.58	624465.89	32°42'58.730"N	104°00'04.680"W	0.16	
6869.00	0.600	196.400	6867.91	57.42	28.03	-56.77	602120.25	624465.05	32°42'58.722"N	104°00'04.684"W	0.14	
6964.00	0.500	198.600	6962.91	57.67	27.16	-57.05	602119.98	624464.18	32°42'58.713"N	104°00'04.687"W	0.11	
7060.00	0.500	225.700	7058.91	58.09	26.47	-57.48	602119.55	624463.49	32°42'58.706"N	104°00'04.692"W	0.24	
7156.00	0.900	205.300	7154.90	58.69	25.49	-58.10	602118.93	624462.51	32°42'58.697"N	104°00'04.700"W	0.48	
7252.00	1.100	209.300	7250.88	59.42	24.01	-58.87	602118.15	624461.03	32°42'58.682"N	104°00'04.709"W	0.22	
7347.00	0.300	163.600	7345.88	59.77	22.97	-59.25	602117.78	624459.99	32°42'58.672"N	104°00'04.713"W	0.96	
7442.00	0.200	141.700	7440.88	59.59	22.60	-59.08	602117.95	624459.62	32°42'58.668"N	104°00'04.711"W	0.14	
7538.00	0.200	175.800	7536.87	59.47	22.31	-58.96	602118.07	624459.33	32°42'58.665"N	104°00'04.710"W	0.12	
7566.00	0.100	259.200	7564.87	59.49	22.25	-58.98	602118.05	624459.27	32°42'58.665"N	104°00'04.710"W	0.76	
7602.00	0.100	154.200	7600.87	59.51	22.22	-59.00	602118.03	624459.24	32°42'58.664"N	104°00'04.710"W	0.44	
7634.00	1.700	262.200	7632.87	59.96	22.13	-59.46	602117.57	624459.15	32°42'58.663"N	104°00'04.716"W	5.42	
7666.00	5.300	265.000	7664.81	61.90	21.94	-61.40	602115.63	624458.96	32°42'58.662"N	104°00'04.739"W	11.26	
7698.00	9.400	267.300	7696.54	65.98	21.68	-65.48	602111.54	624458.70	32°42'58.659"N	104°00'04.786"W	12.84	
7730.00	13.100	263.900	7727.92	72.18	21.18	-71.70	602105.33	624458.19	32°42'58.654"N	104°00'04.859"W	11.74	
7761.00	17.000	264.000	7757.85	80.16	20.33	-79.71	602097.32	624457.35	32°42'58.646"N	104°00'04.953"W	12.58	
7793.00	20.500	264.500	7788.14	90.37	19.30	-89.94	602087.09	624456.32	32°42'58.636"N	104°00'05.073"W	10.95	
7825.00	24.000	267.000	7817.76	102.43	18.42	-102.02	602075.01	624455.44	32°42'58.628"N	104°00'05.214"W	11.33	
7857.00	26.800	268.500	7846.66	116.12	17.89	-115.93	602061.30	624454.91	32°42'58.623"N	104°00'05.375"W	8.98	

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Field	(Bradley) Sec 29, T18S, R30E	Wellbore	No.1H AWB
Facility	Bradley 30 Fed Com No. 1H		

WELLPATH DATA (240 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
7888.00	28.800	268.900	7874.08	130.56	17.57	-130.19	602046.85	624454.59	32°42'58.620"N	104°00'05.544"W	6.48	
7920.00	32.300	272.400	7901.64	146.82	17.78	-146.44	602030.59	624454.80	32°42'58.623"N	104°00'05.734"W	12.27	
7952.00	35.200	272.400	7928.24	164.59	18.52	-164.20	602012.83	624455.54	32°42'58.631"N	104°00'05.942"W	9.06	
7984.00	38.900	272.000	7953.78	183.87	19.26	-183.46	601993.57	624456.28	32°42'58.639"N	104°00'06.167"W	11.59	
8015.00	41.100	271.600	7977.52	203.79	19.88	-203.38	601973.66	624456.90	32°42'58.646"N	104°00'06.400"W	7.15	
8047.00	43.600	271.600	8001.17	225.35	20.49	-224.93	601952.11	624457.50	32°42'58.652"N	104°00'06.652"W	7.81	
8079.00	46.100	271.100	8023.86	247.91	21.02	-247.49	601929.55	624458.03	32°42'58.658"N	104°00'06.916"W	7.89	
8111.00	49.300	271.300	8045.39	271.58	21.51	-271.15	601905.90	624458.53	32°42'58.664"N	104°00'07.193"W	10.01	
8142.00	52.300	270.600	8064.98	295.60	21.91	-295.16	601881.88	624458.93	32°42'58.668"N	104°00'07.474"W	9.83	
8174.00	55.500	271.500	8083.83	321.45	22.38	-321.01	601856.04	624459.40	32°42'58.674"N	104°00'07.777"W	10.25	
8205.00	58.900	271.000	8100.62	347.50	22.95	-347.06	601829.99	624459.97	32°42'58.680"N	104°00'08.082"W	11.05	
8237.00	61.900	271.200	8116.43	375.32	23.49	-374.87	601802.18	624460.50	32°42'58.687"N	104°00'08.407"W	9.39	
8268.00	64.600	271.300	8130.38	403.00	24.09	-402.55	601774.51	624461.11	32°42'58.693"N	104°00'08.731"W	8.71	
8300.00	66.800	271.000	8143.55	432.17	24.67	-431.70	601745.35	624461.69	32°42'58.700"N	104°00'09.072"W	6.93	
8332.00	69.400	270.700	8155.48	461.85	25.14	-461.39	601715.67	624462.13	32°42'58.705"N	104°00'09.420"W	8.17	
8395.00	77.600	271.300	8173.36	522.21	26.17	-521.73	601655.33	624463.19	32°42'58.718"N	104°00'10.126"W	13.05	
8427.00	81.700	271.000	8179.11	553.68	26.81	-553.20	601623.87	624463.82	32°42'58.725"N	104°00'10.494"W	12.85	
8459.00	84.500	271.200	8182.95	585.44	27.42	-584.96	601592.11	624464.43	32°42'58.732"N	104°00'10.866"W	8.77	
8491.00	85.700	271.000	8185.68	617.33	28.03	-616.84	601560.24	624465.05	32°42'58.739"N	104°00'11.239"W	3.80	
8522.00	86.700	270.700	8187.74	648.26	28.49	-647.76	601529.31	624465.50	32°42'58.744"N	104°00'11.601"W	3.57	
8554.00	87.400	270.900	8189.39	680.21	28.93	-679.72	601497.36	624465.95	32°42'58.750"N	104°00'11.975"W	2.27	
8579.00	88.000	270.600	8190.39	705.19	29.26	-704.70	601472.38	624466.28	32°42'58.754"N	104°00'12.267"W	2.68	
8659.00	89.100	271.300	8192.41	785.16	30.59	-784.66	601392.43	624467.60	32°42'58.769"N	104°00'13.203"W	1.63	
8689.00	88.900	270.700	8192.94	815.16	31.11	-814.65	601362.44	624468.13	32°42'58.776"N	104°00'13.554"W	2.11	
8720.00	89.400	269.600	8193.40	846.14	31.19	-845.64	601331.45	624468.21	32°42'58.777"N	104°00'13.917"W	3.90	
8752.00	90.600	269.300	8193.40	878.13	30.88	-877.64	601299.45	624467.90	32°42'58.775"N	104°00'14.291"W	3.87	
8784.00	92.400	268.800	8192.56	910.09	30.35	-909.63	601267.47	624467.37	32°42'58.771"N	104°00'14.666"W	5.84	
8816.00	92.700	268.500	8191.13	942.02	29.60	-941.58	601235.51	624466.62	32°42'58.765"N	104°00'15.040"W	1.33	
8848.00	92.800	270.000	8189.60	973.96	29.18	-973.54	601203.56	624466.20	32°42'58.761"N	104°00'15.414"W	4.69	
8880.00	92.700	270.100	8188.06	1005.92	29.21	-1005.51	601171.60	624466.23	32°42'58.763"N	104°00'15.788"W	0.44	
8911.00	91.700	272.300	8186.87	1036.89	29.86	-1036.48	601140.63	624466.88	32°42'58.770"N	104°00'16.150"W	7.79	
8943.00	91.300	272.700	8186.04	1068.87	31.25	-1068.43	601108.67	624468.27	32°42'58.785"N	104°00'16.524"W	1.77	
8975.00	89.800	273.600	8185.73	1100.86	33.01	-1100.38	601076.73	624470.03	32°42'58.803"N	104°00'16.898"W	5.47	
9007.00	89.700	274.800	8185.87	1132.81	35.36	-1132.30	601044.82	624472.37	32°42'58.827"N	104°00'17.272"W	3.76	
9039.00	89.500	275.000	8186.09	1164.75	38.09	-1164.18	601012.94	624475.11	32°42'58.855"N	104°00'17.645"W	0.88	
9070.00	90.100	274.200	8186.20	1195.70	40.57	-1195.08	600982.04	624477.59	32°42'58.881"N	104°00'18.006"W	3.23	
9102.00	90.500	272.600	8186.03	1227.68	42.47	-1227.02	600950.10	624479.49	32°42'58.901"N	104°00'18.380"W	5.15	
9134.00	89.900	271.100	8185.92	1259.68	43.51	-1259.00	600918.12	624480.52	32°42'58.912"N	104°00'18.754"W	5.05	
9165.00	89.200	270.500	8186.16	1290.67	43.94	-1290.00	600887.13	624480.96	32°42'58.917"N	104°00'19.117"W	2.97	
9197.00	89.900	269.600	8186.42	1322.67	43.97	-1322.00	600855.13	624480.98	32°42'58.918"N	104°00'19.492"W	3.56	
9229.00	91.100	268.200	8186.14	1354.63	43.35	-1353.99	600823.14	624480.37	32°42'58.913"N	104°00'19.866"W	5.76	
9261.00	92.900	267.500	8185.02	1386.55	42.15	-1385.94	600791.19	624479.17	32°42'58.902"N	104°00'20.240"W	6.03	
9292.00	93.000	267.100	8183.42	1417.43	40.69	-1416.87	600760.27	624477.71	32°42'58.889"N	104°00'20.602"W	1.33	
9324.00	92.200	268.200	8181.97	1449.33	39.38	-1448.81	600728.33	624476.40	32°42'58.877"N	104°00'20.976"W	4.25	
9356.00	92.100	268.700	8180.77	1481.27	38.52	-1480.77	600696.37	624475.54	32°42'58.869"N	104°00'21.350"W	1.59	

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	(Bradley) Sec 29, T18S, R30E	Wellbore	No.1H AWB
Facility	Bradley 30 Fed Com No. 1H		

WELLPATH DATA (240 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
9387.00	91.900	268.600	8179.69	1512.22	37.79	-1511.75	600665.40	624474.81	32°42'58.863"N	104°00'21.713"W	0.72	
9419.00	91.000	269.600	8178.88	1544.18	37.29	-1543.73	600633.42	624474.30	32°42'58.859"N	104°00'22.087"W	4.20	
9451.00	91.100	270.700	8178.29	1576.17	37.37	-1575.73	600601.42	624474.39	32°42'58.861"N	104°00'22.461"W	3.45	
9483.00	91.300	270.900	8177.62	1608.16	37.82	-1607.72	600569.44	624474.83	32°42'58.866"N	104°00'22.836"W	0.88	
9515.00	91.200	271.100	8176.93	1640.15	38.37	-1639.70	600537.45	624475.39	32°42'58.873"N	104°00'23.210"W	0.70	
9546.00	91.200	271.300	8176.28	1671.14	39.02	-1670.69	600506.47	624476.04	32°42'58.880"N	104°00'23.573"W	0.65	
9578.00	90.800	271.000	8175.72	1703.14	39.67	-1702.68	600474.48	624476.68	32°42'58.887"N	104°00'23.947"W	1.56	
9609.00	90.600	271.000	8175.34	1734.14	40.21	-1733.67	600443.49	624477.22	32°42'58.894"N	104°00'24.310"W	0.65	
9641.00	91.100	272.400	8174.86	1766.13	41.16	-1765.65	600411.51	624478.17	32°42'58.904"N	104°00'24.684"W	4.65	
9673.00	91.300	272.800	8174.19	1798.12	42.61	-1797.61	600379.56	624479.62	32°42'58.919"N	104°00'25.058"W	1.40	
9704.00	91.500	273.200	8173.44	1829.09	44.23	-1828.56	600348.61	624481.25	32°42'58.936"N	104°00'25.420"W	1.44	
9736.00	91.400	273.200	8172.63	1861.07	46.01	-1860.50	600316.67	624483.03	32°42'58.955"N	104°00'25.794"W	0.31	
9768.00	89.400	272.800	8172.40	1893.05	47.69	-1892.45	600284.72	624484.71	32°42'58.973"N	104°00'26.168"W	6.37	
9799.00	89.200	273.500	8172.78	1924.03	49.39	-1923.40	600253.77	624486.41	32°42'58.990"N	104°00'26.530"W	2.35	
9831.00	90.000	272.800	8173.01	1956.02	51.15	-1955.35	600221.83	624488.17	32°42'59.009"N	104°00'26.904"W	3.32	
9863.00	90.900	271.300	8172.75	1988.01	52.30	-1987.33	600189.85	624489.31	32°42'59.021"N	104°00'27.278"W	5.47	
9895.00	91.100	271.200	8172.20	2020.01	52.99	-2019.32	600157.87	624490.01	32°42'59.029"N	104°00'27.653"W	0.70	
9927.00	92.600	271.000	8171.16	2051.99	53.61	-2051.30	600125.89	624490.62	32°42'59.036"N	104°00'28.027"W	4.73	
9959.00	92.900	270.900	8169.63	2083.95	54.14	-2083.25	600093.94	624491.15	32°42'59.042"N	104°00'28.401"W	0.99	
9990.00	92.700	270.500	8168.11	2114.91	54.52	-2114.22	600062.98	624491.53	32°42'59.047"N	104°00'28.763"W	1.44	
10022.00	90.700	270.700	8167.16	2146.89	54.85	-2146.20	600031.00	624491.87	32°42'59.051"N	104°00'29.138"W	6.28	
10054.00	90.600	272.300	8166.80	2178.89	55.69	-2178.18	599999.01	624492.70	32°42'59.060"N	104°00'29.512"W	5.01	
10085.00	90.300	272.600	8166.56	2209.88	57.01	-2209.15	599968.05	624494.03	32°42'59.074"N	104°00'29.874"W	1.37	
10117.00	90.700	273.400	8166.28	2241.87	58.69	-2241.11	599936.09	624495.70	32°42'59.092"N	104°00'30.248"W	2.79	
10149.00	91.000	273.900	8165.80	2273.84	60.73	-2273.04	599904.17	624497.74	32°42'59.113"N	104°00'30.622"W	1.82	
10181.00	90.900	274.200	8165.27	2305.80	62.98	-2304.96	599872.25	624500.00	32°42'59.136"N	104°00'30.995"W	0.99	
10213.00	91.000	274.700	8164.74	2337.75	65.47	-2336.86	599840.36	624502.48	32°42'59.162"N	104°00'31.369"W	1.59	
10244.00	90.600	273.900	8164.31	2368.70	67.79	-2367.76	599809.45	624504.81	32°42'59.186"N	104°00'31.730"W	2.89	
10276.00	90.400	273.600	8164.03	2400.68	69.88	-2399.69	599777.52	624506.90	32°42'59.208"N	104°00'32.104"W	1.13	
10308.00	90.500	273.400	8163.84	2432.65	71.84	-2431.63	599745.58	624508.85	32°42'59.228"N	104°00'32.478"W	0.70	
10340.00	90.400	272.700	8163.64	2464.64	73.54	-2463.59	599713.63	624510.56	32°42'59.246"N	104°00'32.852"W	2.21	
10372.00	90.500	272.900	8163.39	2496.63	75.10	-2495.55	599681.67	624512.12	32°42'59.262"N	104°00'33.226"W	0.70	
10404.00	90.700	271.300	8163.05	2528.62	76.28	-2527.53	599649.70	624513.29	32°42'59.275"N	104°00'33.600"W	5.04	
10434.00	90.600	270.300	8162.71	2558.62	76.69	-2557.52	599619.71	624513.71	32°42'59.280"N	104°00'33.951"W	3.35	
10466.00	90.500	270.900	8162.41	2590.61	77.03	-2589.52	599587.72	624514.04	32°42'59.284"N	104°00'34.325"W	1.90	
10498.00	90.700	269.500	8162.07	2622.60	77.14	-2621.51	599555.72	624514.16	32°42'59.286"N	104°00'34.700"W	4.42	
10530.00	91.300	269.100	8161.51	2654.58	76.75	-2653.51	599523.73	624513.77	32°42'59.283"N	104°00'35.074"W	2.25	
10562.00	92.700	269.800	8160.40	2686.54	76.44	-2685.48	599491.76	624513.46	32°42'59.281"N	104°00'35.449"W	4.89	
10594.00	93.100	269.800	8158.78	2718.49	76.33	-2717.44	599459.80	624513.35	32°42'59.281"N	104°00'35.823"W	1.25	
10626.00	92.400	271.200	8157.24	2750.45	76.61	-2749.40	599427.84	624513.63	32°42'59.285"N	104°00'36.197"W	4.89	
10657.00	91.200	270.900	8156.27	2781.43	77.18	-2780.38	599396.86	624514.19	32°42'59.291"N	104°00'36.559"W	3.99	
10689.00	91.000	270.900	8155.65	2813.42	77.68	-2812.37	599364.88	624514.70	32°42'59.297"N	104°00'36.934"W	0.62	
10720.00	91.100	271.200	8155.09	2844.42	78.25	-2843.36	599333.89	624515.26	32°42'59.304"N	104°00'37.296"W	1.02	
10752.00	91.000	271.300	8154.50	2876.41	78.95	-2875.35	599301.91	624515.96	32°42'59.312"N	104°00'37.671"W	0.44	
10784.00	90.800	271.300	8154.00	2908.41	79.67	-2907.34	599269.92	624516.69	32°42'59.320"N	104°00'38.045"W	0.62	

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	(Bradley) Sec 29, T18S, R30E	Wellbore	No.1H AWB
Facility	Bradley 30 Fed Com No. 1H		

WELLPATH DATA (240 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
10815.00	90.000	271.900	8153.78	2939.41	80.54	-2938.32	599238.94	624517.55	32°42'59.329"N	104°00'38.408"W	3.23	
10847.00	89.600	271.300	8153.89	2971.41	81.43	-2970.31	599206.95	624518.45	32°42'59.339"N	104°00'38.782"W	2.25	
10879.00	89.400	272.100	8154.17	3003.40	82.38	-3002.30	599174.97	624519.40	32°42'59.349"N	104°00'39.156"W	2.58	
10911.00	90.400	271.900	8154.23	3035.40	83.50	-3034.28	599142.99	624520.51	32°42'59.361"N	104°00'39.530"W	3.19	
10943.00	90.400	271.700	8154.00	3067.40	84.50	-3066.26	599111.01	624521.52	32°42'59.372"N	104°00'39.905"W	0.62	
10975.00	90.300	271.400	8153.81	3099.40	85.37	-3098.25	599079.03	624522.38	32°42'59.382"N	104°00'40.279"W	0.99	
11007.00	90.100	271.900	8153.70	3131.40	86.29	-3130.23	599047.04	624523.30	32°42'59.392"N	104°00'40.653"W	1.68	
11038.00	90.700	271.200	8153.48	3162.40	87.13	-3161.22	599016.06	624524.14	32°42'59.401"N	104°00'41.016"W	2.97	
11070.00	90.800	271.000	8153.06	3194.39	87.74	-3193.21	598984.07	624524.76	32°42'59.408"N	104°00'41.391"W	0.70	
11101.00	91.500	271.100	8152.44	3225.39	88.31	-3224.20	598953.08	624525.33	32°42'59.415"N	104°00'41.753"W	2.28	
11133.00	91.900	271.500	8151.49	3257.37	89.04	-3256.18	598921.11	624526.05	32°42'59.423"N	104°00'42.127"W	1.77	
11165.00	91.900	271.800	8150.43	3289.35	89.96	-3288.15	598889.14	624526.97	32°42'59.433"N	104°00'42.502"W	0.94	
11197.00	91.900	272.500	8149.37	3321.33	91.16	-3320.11	598857.18	624528.17	32°42'59.446"N	104°00'42.876"W	2.19	
11229.00	91.800	272.600	8148.33	3353.31	92.58	-3352.06	598825.23	624529.59	32°42'59.461"N	104°00'43.249"W	0.44	
11260.00	90.300	272.600	8147.77	3384.30	93.99	-3383.02	598794.28	624531.00	32°42'59.476"N	104°00'43.612"W	4.84	
11292.00	90.300	272.300	8147.60	3416.29	95.35	-3414.99	598762.31	624532.37	32°42'59.490"N	104°00'43.986"W	0.94	
11324.00	91.700	271.700	8147.04	3448.28	96.47	-3446.97	598730.34	624533.48	32°42'59.502"N	104°00'44.360"W	4.76	
11388.00	91.100	270.600	8145.48	3512.26	97.76	-3510.93	598666.37	624534.77	32°42'59.517"N	104°00'45.109"W	1.96	
11452.00	90.200	271.200	8144.75	3576.25	98.76	-3574.92	598602.39	624535.77	32°42'59.529"N	104°00'45.858"W	1.69	
11515.00	90.100	271.900	8144.59	3639.25	100.46	-3637.90	598539.42	624537.48	32°42'59.547"N	104°00'46.595"W	1.12	
11579.00	90.600	272.100	8144.19	3703.25	102.70	-3701.86	598475.47	624539.71	32°42'59.571"N	104°00'47.343"W	0.84	
11642.00	90.600	271.100	8143.53	3766.24	104.46	-3764.83	598412.50	624541.47	32°42'59.591"N	104°00'48.080"W	1.59	
11705.00	90.300	270.900	8143.04	3829.24	105.56	-3827.81	598349.52	624542.57	32°42'59.603"N	104°00'48.817"W	0.57	
11769.00	90.400	270.200	8142.65	3893.23	106.17	-3891.81	598285.53	624543.18	32°42'59.611"N	104°00'49.566"W	1.10	
11833.00	91.400	270.100	8141.64	3957.21	106.34	-3955.80	598221.54	624543.35	32°42'59.615"N	104°00'50.315"W	1.57	
11896.00	91.500	270.300	8140.05	4020.18	106.56	-4018.78	598158.57	624543.57	32°42'59.619"N	104°00'51.052"W	0.35	
11960.00	91.400	270.700	8138.43	4084.15	107.12	-4082.76	598094.60	624544.13	32°42'59.627"N	104°00'51.801"W	0.64	
12024.00	90.500	270.800	8137.37	4148.13	107.95	-4146.74	598030.62	624544.97	32°42'59.637"N	104°00'52.550"W	1.41	
12088.00	89.700	269.800	8137.26	4212.12	108.29	-4210.74	597966.62	624545.30	32°42'59.642"N	104°00'53.299"W	2.00	
12119.00	90.200	269.900	8137.28	4243.11	108.21	-4241.74	597935.63	624545.22	32°42'59.642"N	104°00'53.662"W	1.64	
12151.00	91.700	269.900	8136.75	4275.10	108.15	-4273.73	597903.63	624545.16	32°42'59.642"N	104°00'54.036"W	4.69	
12182.00	92.400	270.000	8135.64	4306.07	108.12	-4304.71	597872.66	624545.14	32°42'59.643"N	104°00'54.399"W	2.28	
12214.00	92.600	270.300	8134.25	4338.03	108.21	-4336.68	597840.69	624545.22	32°42'59.645"N	104°00'54.773"W	1.13	
12246.00	91.000	270.900	8133.24	4370.01	108.54	-4368.67	597808.71	624545.56	32°42'59.649"N	104°00'55.147"W	5.34	
12278.00	90.400	271.000	8132.85	4402.01	109.07	-4400.66	597776.72	624546.09	32°42'59.655"N	104°00'55.522"W	1.90	
12309.00	90.200	271.600	8132.69	4433.01	109.78	-4431.65	597745.73	624546.79	32°42'59.663"N	104°00'55.884"W	2.04	
12341.00	90.100	271.600	8132.61	4465.01	110.67	-4463.64	597713.75	624547.68	32°42'59.673"N	104°00'56.259"W	0.31	
12373.00	90.800	271.700	8132.36	4497.00	111.59	-4495.62	597681.76	624548.60	32°42'59.683"N	104°00'56.633"W	2.21	
12405.00	90.700	271.600	8131.94	4529.00	112.51	-4527.61	597649.78	624549.53	32°42'59.693"N	104°00'57.007"W	0.44	
12438.00	91.300	271.700	8131.36	4562.00	113.46	-4560.59	597616.80	624550.48	32°42'59.704"N	104°00'57.393"W	1.84	
12469.00	91.000	271.400	8130.74	4592.99	114.30	-4591.57	597585.82	624551.31	32°42'59.713"N	104°00'57.756"W	1.37	
12500.00	90.700	271.600	8130.28	4623.99	115.11	-4622.56	597554.84	624552.13	32°42'59.722"N	104°00'58.118"W	1.16	
12532.00	90.400	271.100	8129.97	4655.98	115.87	-4654.55	597522.85	624552.88	32°42'59.730"N	104°00'58.493"W	1.82	
12564.00	90.600	270.200	8129.69	4687.98	116.23	-4686.54	597490.86	624553.24	32°42'59.735"N	104°00'58.867"W	2.88	
12596.00	90.300	270.100	8129.44	4719.97	116.31	-4718.54	597458.86	624553.33	32°42'59.736"N	104°00'59.242"W	0.99	

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	(Bradley) Sec 29, T18S, R30E	Wellbore	No.1H AWB
Facility	Bradley 30 Fed Com No. 1H		

WELLPATH DATA (240 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
12628.00	91.200	269.600	8129.02	4751.96	116.23	-4750.54	597426.87	624553.24	32°42'59.737"N	104°00'59.616"W	3.22	
12660.00	92.900	269.700	8127.88	4783.92	116.04	-4782.52	597394.89	624553.05	32°42'59.736"N	104°00'59.991"W	5.32	
12691.00	93.100	269.500	8126.25	4814.86	115.82	-4813.47	597363.94	624552.83	32°42'59.734"N	104°01'00.353"W	0.91	
12723.00	93.200	269.900	8124.50	4846.80	115.65	-4845.42	597331.99	624552.66	32°42'59.734"N	104°01'00.727"W	1.29	
12755.00	91.100	270.200	8123.30	4878.77	115.68	-4877.40	597300.02	624552.69	32°42'59.735"N	104°01'01.101"W	6.63	
12786.00	90.500	269.900	8122.86	4909.76	115.71	-4908.40	597269.02	624552.72	32°42'59.736"N	104°01'01.464"W	2.16	
12818.00	90.500	269.600	8122.58	4941.75	115.57	-4940.39	597237.03	624552.58	32°42'59.736"N	104°01'01.838"W	0.94	
12850.00	90.900	269.100	8122.19	4973.72	115.20	-4972.39	597205.04	624552.22	32°42'59.733"N	104°01'02.213"W	2.00	
12882.00	91.400	269.900	8121.55	5005.70	114.92	-5004.38	597173.05	624551.94	32°42'59.731"N	104°01'02.587"W	2.95	
12914.00	91.000	269.100	8120.90	5036.68	114.65	-5035.37	597142.06	624551.67	32°42'59.729"N	104°01'02.950"W	2.88	
12945.00	89.900	270.900	8120.65	5068.66	114.65	-5067.37	597110.06	624551.67	32°42'59.730"N	104°01'03.325"W	6.59	
12977.00	89.500	270.700	8120.82	5100.66	115.10	-5099.37	597078.07	624552.11	32°42'59.736"N	104°01'03.699"W	1.40	
13009.00	89.500	270.600	8121.10	5132.66	115.46	-5131.36	597046.07	624552.48	32°42'59.740"N	104°01'04.073"W	0.31	
13041.00	89.600	271.100	8121.35	5164.66	115.94	-5163.36	597014.08	624552.95	32°42'59.746"N	104°01'04.448"W	1.59	
13093.00	89.600	271.100	8121.71	5216.66	116.94	-5215.35	596962.10	624553.95	32°42'59.757"N	104°01'05.056"W	0.00	Proj to Bit

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
30 No. 1H PBHL		8130.00	123.11	-5224.72	596952.73	624560.12	32°42'59.819"N	104°01'05.166"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	5985.00	NaviTrak (Standard)			Gyro from Rig <100-5900>			No.1H AWB	
5985.00	13093.00	NaviTrak (Standard)			MWD NaviTrak <5985-XXXX>			No.1H AWB	