





# Actual Wellpath Report

TROUDT #6 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#06 TROUDT #6 (537'FSL & 1091'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWB
Facility	SEC.32-T02N-R67W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.1.1
North Reference	True	User	Hanisab
Scale	0.999961	Report Generated	8/25/2015 at 8:15:50 AM
Convergence at slot	0.38° East	Database/Source file	WA_Denver/TROUDT_#6_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	1.11	-140.21	3165292.85	1275842.37	40°05'20.641"N	104°54'33.178"W
Facility Reference Pt			3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W
Field Reference Pt			3185481.27	1419166.81	40°28'55.560"N	104°49'59.556"W

## WELLPATH DATUM

Calculation method	Minimum curvature	SAVANNA 802 (20'KB) (RKB) to Facility Vertical Datum	5099.00ft
Horizontal Reference Pt	Slot	SAVANNA 802 (20'KB) (RKB) to Mean Sea Level	5099.00ft
Vertical Reference Pt	SAVANNA 802 (20'KB) (RKB)	SAVANNA 802 (20'KB) (RKB) to Mud Line at Slot (SLOT#06 TROUDT #6 (537'FSL & 1091'FEL, SEC.32))	5099.00ft
MD Reference Pt	SAVANNA 802 (20'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	357.20°



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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (162 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
1503.00	1.000	229.000	1502.87	-14.31	-14.70	-7.67	0.97	TIED ONTO SURFACE SURVEYS
1602.00	0.710	239.060	1601.86	-15.13	-15.58	-8.85	0.33	FIRST BHI MWD SURVEY
1697.00	4.260	222.300	1696.75	-17.90	-18.50	-11.73	3.77	
1792.00	7.730	231.440	1791.22	-24.13	-25.09	-19.11	3.78	
1886.00	7.530	232.540	1884.39	-31.33	-32.78	-28.94	0.26	
2075.00	10.600	223.160	2071.02	-50.46	-53.00	-50.66	1.80	
2170.00	9.970	221.760	2164.49	-62.40	-65.50	-62.12	0.71	
2264.00	9.130	220.720	2257.19	-73.60	-77.23	-72.40	0.91	
2359.00	8.320	220.230	2351.09	-84.09	-88.19	-81.76	0.86	
2454.00	7.710	218.980	2445.16	-93.87	-98.39	-90.21	0.67	
2548.00	10.020	219.610	2538.03	-104.61	-109.59	-99.39	2.46	
2643.00	9.440	218.210	2631.66	-116.59	-122.08	-109.48	0.66	
2737.00	8.000	216.010	2724.57	-127.51	-133.43	-118.09	1.57	
2832.00	7.040	213.730	2818.75	-137.34	-143.62	-125.21	1.06	
2927.00	6.140	213.920	2913.13	-146.09	-152.68	-131.28	0.95	
3021.00	10.210	220.480	3006.15	-156.19	-163.19	-139.50	4.44	
3210.00	8.770	219.510	3192.56	-179.04	-187.05	-159.54	0.77	
3305.00	8.120	221.800	3286.53	-189.18	-197.64	-168.62	0.77	
3399.00	7.680	220.800	3379.64	-198.45	-207.34	-177.15	0.49	
3494.00	7.080	220.210	3473.85	-207.33	-216.62	-185.08	0.64	
3588.00	6.370	220.630	3567.20	-215.35	-225.00	-192.21	0.76	
3681.00	8.590	213.790	3659.41	-224.68	-234.69	-199.43	2.57	
3776.00	8.440	215.420	3753.36	-235.85	-246.27	-207.42	0.30	
3870.00	11.100	216.260	3845.99	-248.30	-259.19	-216.77	2.83	
4060.00	9.000	216.900	4033.06	-273.94	-285.82	-236.51	1.11	
4155.00	7.990	218.560	4127.02	-284.62	-296.93	-245.09	1.09	
4249.00	7.280	221.790	4220.19	-293.76	-306.47	-253.13	0.88	
4343.00	9.660	227.910	4313.16	-303.00	-316.20	-262.96	2.70	
4437.00	9.410	228.480	4405.86	-312.80	-326.58	-274.56	0.28	
4532.00	11.310	223.070	4499.31	-324.15	-338.54	-286.74	2.24	



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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (162 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4628.00	10.100	222.120	4593.64	-336.66	-351.66	-298.81	1.27	
4723.00	9.610	221.130	4687.23	-348.28	-363.81	-309.62	0.55	
4817.00	9.140	221.030	4779.98	-359.31	-375.35	-319.68	0.50	
4912.00	8.940	219.950	4873.80	-370.18	-386.70	-329.37	0.28	
5007.00	7.840	217.590	4967.78	-380.53	-397.50	-338.06	1.21	
5101.00	7.290	217.860	5060.96	-389.94	-407.29	-345.64	0.59	
5196.00	6.800	219.480	5155.24	-398.68	-416.39	-352.91	0.56	
5290.00	6.330	218.880	5248.63	-406.66	-424.71	-359.70	0.51	
5385.00	8.430	222.120	5342.84	-415.51	-433.96	-367.66	2.25	
5481.00	7.350	222.470	5437.93	-424.81	-443.71	-376.53	1.13	
5576.00	5.580	222.770	5532.32	-432.32	-451.58	-383.77	1.86	
5671.00	6.990	217.980	5626.74	-439.93	-459.53	-390.46	1.58	
5766.00	6.360	218.180	5721.10	-448.28	-468.22	-397.27	0.66	
5861.00	7.130	215.360	5815.44	-456.89	-477.16	-403.93	0.88	
5956.00	8.090	214.490	5909.60	-466.85	-487.48	-411.13	1.02	
6051.00	9.230	215.580	6003.52	-478.14	-499.19	-419.35	1.21	
6145.00	7.400	214.780	6096.53	-488.85	-510.29	-427.19	1.95	
6240.00	5.130	218.810	6190.96	-496.87	-518.63	-433.34	2.43	
6335.00	7.630	210.470	6285.36	-505.32	-527.38	-439.20	2.80	
6429.00	9.840	210.690	6378.27	-517.24	-539.66	-446.47	2.35	
6524.00	7.830	207.790	6472.13	-529.59	-552.37	-453.63	2.17	
6618.00	9.150	212.110	6565.10	-541.23	-564.37	-460.59	1.56	
6713.00	7.090	209.160	6659.15	-552.40	-575.89	-467.46	2.21	
6808.00	8.080	209.820	6753.31	-563.00	-586.80	-473.64	1.05	
6902.00	9.270	207.510	6846.24	-575.10	-599.24	-480.42	1.32	
6997.00	9.080	216.910	6940.03	-587.47	-612.03	-488.46	1.59	
7092.00	8.300	223.450	7033.94	-597.98	-623.00	-497.68	1.32	
7186.00	11.980	256.160	7126.53	-604.55	-630.27	-511.83	7.12	
7281.00	17.180	272.460	7218.47	-605.15	-632.02	-535.45	6.92	
7375.00	18.850	294.920	7307.97	-596.81	-625.02	-563.12	7.55	



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Area	COLORADO	Well	TROUDT #6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (162 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7471.00	23.210	316.990	7397.69	-575.11	-604.61	-590.15	9.34	
7566.00	33.580	327.070	7481.20	-537.97	-568.75	-617.29	11.99	
7660.00	44.240	337.850	7554.32	-484.33	-516.35	-643.89	13.40	
7755.00	54.780	349.360	7616.04	-414.29	-447.19	-663.64	14.39	
7850.00	66.280	1.490	7662.83	-331.97	-365.08	-669.71	16.41	
7945.00	72.780	8.420	7696.07	-243.91	-276.53	-661.92	9.67	
8039.00	76.700	9.140	7720.81	-155.09	-186.93	-648.08	4.24	
8094.00	83.350	10.120	7730.33	-102.22	-133.55	-639.02	12.22	
8134.00	87.530	10.010	7733.51	-63.36	-94.30	-632.05	10.45	
8158.00†	88.050	9.436	7734.43	-39.95	-70.67	-628.00	3.23	CROSSED 460' SETBACK (465'FSL & 1719'FEL, SEC.32)
8229.00	89.590	7.740	7735.90	29.64	-0.48	-617.40	3.23	LANDING POINT (530'FSL & 1715'FEL, SEC.32)
8283.00	89.230	5.300	7736.45	82.92	53.16	-611.27	4.57	
8378.00	89.350	4.090	7737.63	177.10	147.83	-603.49	1.28	
8472.00	88.980	3.230	7739.00	270.49	241.63	-597.49	1.00	
8567.00	88.860	3.650	7740.79	364.91	336.44	-591.80	0.46	
8662.00	90.150	5.860	7741.61	459.08	431.11	-583.92	2.69	
8757.00	90.490	5.800	7741.08	553.00	525.61	-574.27	0.36	
8946.00	90.030	5.450	7740.22	739.96	713.70	-555.75	0.31	
9041.00	89.930	5.680	7740.25	833.95	808.25	-546.53	0.26	
9136.00	90.360	4.770	7740.01	928.02	902.86	-537.88	1.06	
9231.00	90.400	4.490	7739.38	1022.22	997.54	-530.21	0.30	
9418.00	91.170	3.600	7736.82	1207.87	1184.06	-517.02	0.63	
9608.00	88.450	2.020	7737.45	1396.93	1373.80	-507.71	1.66	
9702.00	88.050	1.290	7740.32	1490.61	1467.72	-505.00	0.89	
9797.00	88.520	358.570	7743.17	1585.45	1562.67	-505.11	2.90	
9892.00	91.170	357.040	7743.42	1680.43	1657.59	-508.75	3.22	
9986.00	91.140	357.170	7741.53	1774.41	1751.45	-513.50	0.14	
10081.00	91.110	357.600	7739.66	1869.39	1846.33	-517.83	0.45	
10175.00	90.030	358.020	7738.73	1963.38	1940.26	-521.42	1.23	
10302.00	89.410	358.290	7739.35	2090.36	2067.19	-525.51	0.53	



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Area	COLORADO	Well	TROUDT #6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (162 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
10491.00	90.120	358.240	7740.12	2279.32	2256.10	-531.24	0.38	
10586.00	90.030	358.300	7740.00	2374.31	2351.05	-534.10	0.11	
10680.00	89.840	357.730	7740.11	2468.30	2445.00	-537.36	0.64	
10775.00	89.930	359.930	7740.30	2563.25	2539.97	-539.30	2.32	
10870.00	89.630	2.040	7740.66	2658.04	2634.95	-537.67	2.24	
10965.00	90.860	1.530	7740.26	2752.73	2729.90	-534.71	1.40	
11149.00	90.770	1.530	7737.64	2936.19	2913.82	-529.79	0.05	
11334.00	90.950	1.540	7734.86	3120.64	3098.73	-524.84	0.10	
11426.00	90.490	1.150	7733.71	3212.39	3190.70	-522.68	0.66	
11517.00	90.610	0.480	7732.83	3303.21	3281.68	-521.39	0.75	
11701.00	90.150	0.200	7731.61	3486.93	3465.68	-520.29	0.29	
11793.00	89.840	359.630	7731.62	3578.83	3557.68	-520.43	0.71	
11885.00	89.750	359.020	7731.95	3670.76	3649.67	-521.51	0.67	
11976.00	90.180	359.630	7732.00	3761.70	3740.66	-522.59	0.82	
12069.00	90.670	359.140	7731.31	3854.63	3833.65	-523.58	0.75	
12158.00	90.120	0.310	7730.70	3943.54	3922.65	-524.01	1.45	
12250.00	89.750	357.970	7730.81	4035.48	4014.63	-525.39	2.58	
12341.00	89.450	357.560	7731.44	4126.47	4105.56	-528.94	0.56	
12435.00	88.860	0.170	7732.83	4220.41	4199.52	-530.80	2.85	
12625.00	90.520	359.770	7733.86	4410.18	4389.51	-530.90	0.90	
12719.00	91.390	2.070	7732.29	4503.97	4483.48	-529.39	2.62	
12813.00	91.880	2.540	7729.61	4597.55	4577.36	-525.61	0.72	
12908.00	91.020	0.830	7727.20	4692.23	4672.29	-522.82	2.01	
13003.00	88.830	358.420	7727.33	4787.13	4767.27	-523.44	3.43	
13098.00	89.600	359.180	7728.63	4882.08	4862.24	-525.43	1.14	
13287.00	90.430	0.710	7728.58	5070.86	5051.23	-525.61	0.92	
13382.00	90.340	0.130	7727.94	5165.71	5146.23	-524.92	0.62	
13478.00	90.680	359.750	7727.09	5261.59	5242.23	-525.02	0.53	
13572.00	91.360	359.730	7725.41	5355.49	5336.21	-525.45	0.72	
13667.00	91.660	359.500	7722.91	5450.37	5431.17	-526.08	0.40	



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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWP
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## WELLPATH DATA (162 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
13762.00	91.630	359.190	7720.18	5545.26	5526.13	-527.17	0.33	
13857.00	91.230	358.680	7717.81	5640.19	5621.08	-528.93	0.68	
13952.00	87.970	358.050	7718.47	5735.16	5716.03	-531.64	3.50	
14046.00	88.240	357.340	7721.58	5829.10	5809.90	-535.42	0.81	
14141.00	87.130	358.450	7725.42	5924.01	5904.75	-538.91	1.65	
14236.00	88.110	1.410	7729.37	6018.81	5999.66	-539.02	3.28	
14331.00	89.260	1.270	7731.55	6113.54	6094.61	-536.80	1.22	
14426.00	90.640	1.880	7731.63	6208.26	6189.57	-534.19	1.59	
14521.00	91.070	2.840	7730.21	6302.86	6284.48	-530.28	1.11	
14616.00	91.540	2.340	7728.05	6397.42	6379.36	-525.99	0.72	
14711.00	91.350	1.400	7725.65	6492.07	6474.27	-522.89	1.01	
14901.00	93.080	1.460	7718.31	6681.41	6664.06	-518.15	0.91	
14996.00	91.470	1.130	7714.54	6776.09	6758.96	-516.01	1.73	
15091.00	89.470	0.860	7713.76	6870.87	6853.94	-514.36	2.12	
15185.00	89.590	359.670	7714.53	6964.73	6947.93	-513.92	1.27	
15281.00	90.920	359.870	7714.10	7060.63	7043.93	-514.31	1.40	
15375.00	88.890	359.470	7714.26	7154.54	7137.92	-514.85	2.20	
15470.00	89.440	359.370	7715.64	7249.46	7232.91	-515.81	0.59	
15564.00	90.920	0.300	7715.35	7343.36	7326.90	-516.08	1.86	
15659.00	92.430	0.930	7712.57	7438.14	7421.85	-515.06	1.72	
15753.00	90.860	1.060	7709.87	7531.90	7515.80	-513.43	1.68	
15848.00	89.780	1.530	7709.34	7626.65	7610.77	-511.28	1.24	
15944.00	90.520	0.030	7709.09	7722.46	7706.76	-509.98	1.74	
16038.00	89.850	359.440	7708.79	7816.37	7800.76	-510.41	0.95	
16133.00	88.920	0.500	7709.81	7911.25	7895.75	-510.46	1.48	
16228.00	88.610	0.520	7711.85	8006.07	7990.72	-509.62	0.33	
16323.00	88.650	0.220	7714.13	8100.90	8085.69	-509.00	0.32	
16417.00	88.950	0.850	7716.09	8194.72	8179.67	-508.13	0.74	
16512.00	90.550	1.200	7716.51	8289.50	8274.65	-506.43	1.72	
16606.00	90.370	0.010	7715.75	8383.33	8368.64	-505.43	1.28	





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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWP
Facility	SEC.32-T02N-R67W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
16748.00	92.770	3.880	7711.86	8524.75	8510.47	-500.62	3.21	
16843.00	91.080	3.370	7708.67	8619.10	8605.22	-494.62	1.86	
16938.00	91.940	3.240	7706.17	8713.53	8700.03	-489.14	0.92	
17033.00	90.740	5.070	7703.95	8807.80	8794.75	-482.26	2.30	
17128.00	91.760	5.410	7701.87	8901.84	8889.32	-473.59	1.13	
17223.00	91.970	3.030	7698.78	8996.08	8984.01	-466.60	2.51	
17316.00	88.060	2.070	7698.76	9088.65	9076.90	-462.46	4.33	
17411.00	88.520	1.260	7701.59	9183.32	9171.82	-459.71	0.98	
17506.00	89.750	0.720	7703.03	9278.10	9266.79	-458.06	1.41	
17601.00	91.530	0.840	7701.97	9372.91	9361.77	-456.77	1.88	
17676.00	92.800	0.850	7699.13	9447.70	9436.71	-455.67	1.69	LAST BHI MWD SURVEY (570'FNL & 1639'FEL, SEC.29)
17736.00	92.800	0.850	7696.20	9507.51	9496.63	-454.78	0.00	PROJECTION TO BIT (510'FNL & 1639'FEL, SEC.29)

## HOLE & CASING SECTIONS - Ref Wellbore: TROUDT #6 AWP Ref Wellpath: TROUDT #6 AWP

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
9.625in Casing Surface	20.00	1554.00	1534.00	20.00	1553.86	0.00	0.00	-15.22	-8.31
7.875in Open Hole	1554.00	17736.00	16182.00	1553.86	7696.20	-15.22	-8.31	9496.63	-454.78
5.5in Casing Production	20.00	17736.00	17716.00	20.00	7696.20	0.00	0.00	9496.63	-454.78





# Actual Wellpath Report

TROUDT #6 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#06 TROUDT #6 (537'FSL & 1091'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWB
Facility	SEC.32-T02N-R67W		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.29-T02N-R67W	8.00	-1.11	140.21	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
SEC.32-T02N-R67W	8.00	-1.11	140.21	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
TROUDT #6 BHL ON PLAT REV-1 (460'FNL & 1650'FEL, SEC.29)	7695.00	9546.71	-466.23	3164763.04	1285385.36	40°06'54.983"N	104°54'39.179"W	point
TROUDT #6 TARGET 8	7705.00	8298.97	-478.41	3164759.18	1284137.62	40°06'42.653"N	104°54'39.335"W	point
TROUDT #6 TARGET 6	7716.00	6399.08	-496.95	3164753.30	1282237.73	40°06'23.878"N	104°54'39.574"W	point
TROUDT #6 TARGET 7	7716.00	7199.04	-489.15	3164755.77	1283037.69	40°06'31.783"N	104°54'39.473"W	point
SEC.29/32-T02N-R67W HARDLINES (460'FNL/FSL)	7718.00	-1.11	140.21	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
TROUDT #6 BHL ON PLAT (460'FNL & 1650'FEL, SEC.29)	7718.00	9546.69	-466.21	3164763.06	1285385.34	40°06'54.983"N	104°54'39.179"W	point
TROUDT #6 EP ON PLAT (460'FSL & 1650'FEL, SEC.32)	7718.00	-74.65	-560.13	3164733.25	1275763.99	40°05'19.903"N	104°54'40.385"W	point
TROUDT #6 TARGET 5	7722.00	5599.13	-504.76	3164750.82	1281437.78	40°06'15.972"N	104°54'39.674"W	point
TROUDT #6 TARGET 3	7733.00	3199.27	-528.19	3164743.37	1279037.91	40°05'52.257"N	104°54'39.975"W	point
TROUDT #6 TARGET 4	7733.00	4299.20	-517.45	3164746.79	1280137.85	40°06'03.126"N	104°54'39.837"W	point



# Actual Wellpath Report

TROUDT #6 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#06 TROUDT #6 (537'FSL & 1091'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWB
Facility	SEC.32-T02N-R67W		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
TROUDT #6 EP ON PLAT REV-1 (460'FSL & 1650'FEL, SEC.32)	7738.00	-74.67	-560.14	3164733.23	1275763.97	40°05'19.903"N	104°54'40.385"W	point
TROUDT #6 TARGET 1	7738.00	1099.39	-548.68	3164736.88	1276938.03	40°05'31.505"N	104°54'40.238"W	point
TROUDT #6 TARGET 2	7738.00	2399.31	-536.00	3164740.89	1278237.95	40°05'44.351"N	104°54'40.075"W	point
EMERSON #2-29 J TARGET (500'RADIUS)	8209.00	8432.68	-177.85	3165058.83	1284273.32	40°06'43.974"N	104°54'35.467"W	circle
GUMESON #1 TARGET (500'RADIUS)	8233.00	3759.20	57.97	3165325.77	1279601.71	40°05'57.790"N	104°54'32.432"W	circle
EMERSON #3-29 J TARGET (500'RADIUS)	8256.00	6074.99	-179.03	3165073.36	1281915.78	40°06'20.675"N	104°54'35.482"W	circle
HELLEN RUSSELL PERRIN G.U. TRUE#1 TARGET (500'RADIUS)	8264.00	8729.73	-2814.88	3162419.99	1284552.79	40°06'46.908"N	104°55'09.408"W	circle
HELEN RUSSEL PERRIN GU #1 TARGET (500'RADIUS)	8271.00	5647.78	-2479.54	3162775.83	1281473.27	40°06'16.452"N	104°55'05.088"W	circle
HALEY-GUMESON #2 TARGET (500'RADIUS)	8355.00	758.13	-164.22	3165123.58	1276599.36	40°05'28.133"N	104°54'35.291"W	circle

## WELLPATH COMPOSITION - Ref Wellbore: TROUDT #6 AWB Ref Wellpath: TROUDT #6 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1503.00	ISCWSA MWD, Rev. 3 (Standard)	ENSECO MWD SURVEYS <158-1503>	TROUDT #6 AWB
1503.00	17676.00	NaviTrak (MagCorr)	BHI MWD/NAVITRAK (MAGCORR) 7.875" HOLE <1602-17676>	TROUDT #6 AWB
17676.00	17736.00	Blind Drilling (std)	Projection to bit	TROUDT #6 AWB



# Actual Wellpath Report

TROUDT #6 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#06 TROUDT #6 (537'FSL & 1091'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #6
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #6 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
1503.00	1.000	229.000	1502.87	TIED ONTO SURFACE SURVEYS
1602.00	0.710	239.060	1601.86	FIRST BHI MWD SURVEY
8158.00	88.050	9.436	7734.43	CROSSED 460' SETBACK (465'FSL & 1719'FEL, SEC.32)
8229.00	89.590	7.740	7735.90	LANDING POINT (530'FSL & 1715'FEL, SEC.32)
17676.00	92.800	0.850	7699.13	LAST BHI MWD SURVEY (570'FNL & 1639'FEL, SEC.29)
17736.00	92.800	0.850	7696.20	PROJECTION TO BIT (510'FNL & 1639'FEL, SEC.29)