





# Actual Wellpath Report

TROUDT #5 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#05 TROUDT #5 (537'FSL & 1063'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #5
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 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	8/26/2015 at 3:50:00 PM
Convergence at slot	0.38° East	Database/Source file	WA_Denver/TROUDT_#5_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.81	-111.92	3165321.14	1275842.25	40°05'20.638"N	104°54'32.814"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#05 TROUDT #5 (537'FSL & 1063'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	359.01°



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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (163 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
1492.00	0.600	309.900	1491.85	15.00	14.95	-2.69	0.08	TIED INTO ENSECO SURVEYS
1614.00	1.330	263.600	1613.83	15.28	15.21	-4.58	0.83	FIRST BHI MWD SURVEY
1709.00	5.240	241.920	1708.66	13.20	13.04	-9.51	4.25	
1803.00	7.160	238.250	1802.10	8.25	7.94	-18.28	2.08	
1898.00	11.350	217.860	1895.87	-2.07	-2.57	-29.06	5.54	
1992.00	10.970	217.820	1988.09	-16.24	-16.93	-40.22	0.40	
2087.00	10.810	216.680	2081.38	-30.33	-31.22	-51.08	0.28	
2181.00	11.060	192.910	2173.72	-46.07	-47.09	-58.37	4.77	
2276.00	10.410	191.060	2267.06	-63.31	-64.39	-62.05	0.77	
2370.00	8.900	190.590	2359.73	-78.74	-79.87	-65.01	1.61	
2465.00	7.970	186.890	2453.70	-92.47	-93.64	-67.16	1.13	
2560.00	7.080	187.610	2547.88	-104.78	-105.98	-68.72	0.94	
2655.00	5.620	186.470	2642.29	-115.18	-116.40	-70.02	1.54	
2749.00	6.900	201.690	2735.74	-124.95	-126.22	-72.63	2.22	
2844.00	6.280	201.960	2830.11	-135.00	-136.35	-76.68	0.65	
2938.00	8.730	199.240	2923.30	-146.43	-147.85	-80.95	2.63	
3033.00	8.140	199.890	3017.27	-159.48	-160.98	-85.62	0.63	
3127.00	7.240	201.840	3110.42	-171.16	-172.74	-90.08	1.00	
3220.00	6.090	200.890	3202.79	-181.14	-182.79	-94.02	1.24	
3315.00	4.770	199.050	3297.37	-189.53	-191.23	-97.11	1.40	
3409.00	4.040	203.550	3391.09	-196.21	-197.96	-99.71	0.86	
3504.00	6.450	198.350	3485.68	-204.29	-206.09	-102.73	2.58	
3599.00	5.140	200.150	3580.20	-213.30	-215.15	-105.87	1.39	
3693.00	7.240	201.970	3673.64	-222.68	-224.60	-109.54	2.24	
3788.00	6.350	200.340	3767.97	-233.09	-235.08	-113.60	0.96	
3881.00	9.260	201.110	3860.10	-244.81	-246.88	-118.09	3.13	
3976.00	7.710	199.650	3954.06	-257.86	-260.02	-122.98	1.65	
4071.00	6.230	205.210	4048.36	-268.45	-270.68	-127.32	1.71	
4166.00	8.870	206.510	4142.52	-279.57	-281.90	-132.79	2.78	
4261.00	7.030	210.220	4236.61	-291.04	-293.48	-138.98	2.01	



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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (163 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4356.00	11.060	198.150	4330.42	-304.63	-307.17	-144.75	4.67	
4450.00	10.140	199.020	4422.81	-320.92	-323.56	-150.26	0.99	
4546.00	8.890	206.140	4517.49	-335.47	-338.21	-156.28	1.79	
4641.00	6.660	208.070	4611.61	-346.82	-349.66	-162.11	2.36	
4829.00	8.040	187.930	4798.09	-369.34	-372.31	-169.05	1.54	
4924.00	7.300	188.640	4892.24	-381.85	-384.86	-170.87	0.79	
5019.00	8.120	195.380	4986.39	-394.24	-397.29	-173.56	1.28	
5115.00	6.780	199.120	5081.57	-406.07	-409.18	-177.22	1.48	
5210.00	5.310	199.830	5176.04	-415.44	-418.62	-180.54	1.55	
5305.00	7.240	188.310	5270.47	-425.46	-428.68	-182.90	2.42	
5399.00	6.130	186.810	5363.83	-436.28	-439.52	-184.35	1.20	
5494.00	7.710	195.500	5458.14	-447.42	-450.70	-186.66	1.99	
5590.00	8.890	192.790	5553.13	-460.80	-464.14	-190.02	1.29	
5684.00	7.450	189.480	5646.18	-473.85	-477.24	-192.63	1.61	
5779.00	9.230	192.390	5740.17	-487.31	-490.75	-195.28	1.93	
5874.00	6.650	189.270	5834.25	-500.14	-503.63	-197.80	2.75	
5968.00	8.450	197.450	5927.43	-512.05	-515.59	-200.75	2.23	
6063.00	6.750	194.040	6021.60	-524.07	-527.66	-204.20	1.85	
6157.00	8.430	203.430	6114.77	-535.68	-539.35	-208.28	2.22	
6252.00	9.300	200.620	6208.64	-549.15	-552.92	-213.75	1.02	
6347.00	6.780	198.690	6302.70	-561.57	-565.42	-218.25	2.67	
6441.00	9.750	204.890	6395.71	-573.96	-577.90	-223.38	3.29	
6535.00	7.410	206.960	6488.65	-586.48	-590.52	-229.48	2.51	
6630.00	5.680	206.670	6583.03	-596.06	-600.18	-234.37	1.82	
6725.00	6.860	199.510	6677.46	-605.54	-609.73	-238.37	1.49	
6819.00	5.380	195.320	6770.93	-615.02	-619.28	-241.41	1.64	
6914.00	3.440	339.310	6865.80	-616.62	-620.91	-243.60	8.85	
7009.00	8.510	41.220	6960.33	-608.72	-612.94	-239.97	7.92	
7104.00	13.400	1.170	7053.69	-592.48	-596.62	-235.10	9.23	
7199.00	23.640	359.860	7143.65	-562.35	-566.48	-234.92	10.79	



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Area	COLORADO	Well	TROUDT #5
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (163 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7294.00	34.040	359.020	7226.76	-516.59	-520.73	-235.43	10.96	
7389.00	45.360	356.630	7299.74	-456.03	-460.20	-237.88	12.02	
7484.00	51.080	357.900	7363.01	-385.26	-389.47	-241.22	6.10	
7578.00	53.240	358.260	7420.67	-311.04	-315.28	-243.70	2.32	
7673.00	66.230	359.980	7468.45	-229.16	-233.42	-244.88	13.76	
7768.00	78.610	0.150	7497.09	-138.79	-143.03	-244.77	13.03	
7842.00†	83.010	1.113	7508.90	-65.79	-70.01	-243.96	6.08	CROSSED 460' SETBACK (468'FSL & 1308'FEL, SEC.32)
7862.00	84.200	1.370	7511.13	-45.93	-50.13	-243.53	6.08	
7957.00	89.190	0.230	7516.61	48.83	44.67	-242.21	5.39	LANDING POINT (587'FSL & 1305'FEL, SEC.32)
8146.00	89.160	358.190	7519.33	237.80	233.62	-244.82	1.08	
8241.00	88.610	357.700	7521.18	332.77	328.54	-248.22	0.78	
8336.00	88.240	356.970	7523.79	427.69	423.40	-252.64	0.86	
8431.00	88.240	0.310	7526.71	522.63	518.31	-254.89	3.51	
8525.00	89.350	3.580	7528.68	616.47	612.23	-251.70	3.67	
8620.00	89.440	3.620	7529.69	711.16	707.03	-245.74	0.10	
8716.00	88.270	2.420	7531.60	806.91	802.88	-240.68	1.75	
8810.00	91.100	2.320	7532.12	900.73	896.79	-236.79	3.01	
8905.00	92.830	2.980	7528.86	995.48	991.62	-232.41	1.95	
9093.00	87.470	5.560	7528.37	1182.61	1179.02	-218.41	3.16	
9187.00	88.670	5.520	7531.54	1275.94	1272.52	-209.34	1.28	
9282.00	89.840	2.250	7532.77	1370.58	1367.28	-202.91	3.66	
9377.00	89.040	1.820	7533.70	1465.44	1462.22	-199.54	0.96	
9471.00	91.260	0.600	7533.46	1559.36	1556.19	-197.55	2.69	
9566.00	91.870	0.970	7530.86	1654.28	1651.14	-196.25	0.75	
9661.00	90.150	0.970	7529.19	1749.21	1746.11	-194.64	1.81	
9755.00	90.210	0.340	7528.89	1843.17	1840.10	-193.57	0.67	
9850.00	90.270	359.600	7528.49	1938.15	1935.10	-193.62	0.78	
9944.00	89.840	358.700	7528.40	2032.15	2029.09	-195.01	1.06	
10039.00	91.100	359.650	7527.62	2127.14	2124.08	-196.38	1.66	
10134.00	89.930	359.040	7526.77	2222.14	2219.06	-197.47	1.39	



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Area	COLORADO	Well	TROUDT #5
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (163 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
10228.00	89.190	359.380	7527.49	2316.13	2313.05	-198.76	0.87	
10322.00	90.800	359.810	7527.50	2410.12	2407.04	-199.43	1.77	
10417.00	91.560	0.390	7525.54	2505.09	2502.02	-199.26	1.01	
10512.00	91.320	0.320	7523.16	2600.03	2596.99	-198.67	0.26	
10606.00	92.520	359.670	7520.01	2693.96	2690.94	-198.68	1.45	
10698.00	91.380	0.980	7516.88	2785.88	2782.88	-198.16	1.89	
10791.00	92.030	0.860	7514.11	2878.79	2875.82	-196.67	0.71	
10883.00	90.430	1.550	7512.13	2970.69	2967.78	-194.73	1.89	
10976.00	90.700	1.130	7511.22	3063.61	3060.75	-192.56	0.54	
11067.00	87.960	1.010	7512.28	3154.54	3151.72	-190.86	3.01	
11159.00	87.590	0.670	7515.85	3246.42	3243.64	-189.51	0.55	
11251.00	89.040	359.780	7518.56	3338.36	3335.60	-189.15	1.85	
11434.00	90.090	358.260	7519.95	3521.35	3518.56	-192.28	1.01	
11526.00	89.870	358.280	7519.98	3613.34	3610.51	-195.06	0.24	
11618.00	89.810	357.730	7520.24	3705.32	3702.46	-198.26	0.60	
11710.00	90.270	357.710	7520.17	3797.30	3794.38	-201.92	0.50	
11800.00	90.800	358.420	7519.33	3887.28	3884.33	-204.96	0.98	
11892.00	89.930	358.320	7518.75	3979.27	3976.29	-207.57	0.95	
11982.00	89.230	357.700	7519.41	4069.26	4066.23	-210.70	1.04	
12077.00	88.020	357.320	7521.69	4164.19	4161.11	-214.83	1.33	
12172.00	86.570	359.910	7526.17	4259.08	4255.97	-217.12	3.12	
12291.00	88.980	3.560	7530.79	4377.82	4374.79	-213.52	3.67	
12386.00	91.480	4.040	7530.41	4472.48	4469.58	-207.22	2.68	
12481.00	90.400	2.310	7528.85	4567.21	4564.41	-201.96	2.15	
12575.00	92.710	4.350	7526.30	4660.90	4658.21	-196.50	3.28	
12765.00	91.470	4.040	7519.37	4850.00	4847.57	-182.62	0.67	
12859.00	91.690	3.200	7516.78	4943.66	4941.34	-176.68	0.92	
12954.00	91.910	2.940	7513.79	5038.37	5036.16	-171.60	0.36	
13049.00	91.200	2.760	7511.22	5133.12	5131.01	-166.88	0.77	
13238.00	92.060	1.520	7505.84	5321.76	5319.79	-159.82	0.80	



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Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (163 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
13333.00	90.730	1.290	7503.53	5416.65	5414.74	-157.49	1.42	
13523.00	89.640	3.550	7502.91	5606.29	5604.55	-149.47	1.32	
13618.00	90.030	0.160	7503.19	5701.16	5699.49	-146.40	3.59	
13712.00	91.110	0.460	7502.25	5795.13	5793.48	-145.89	1.19	
13807.00	91.290	0.430	7500.26	5890.08	5888.45	-145.15	0.19	
13902.00	91.140	359.530	7498.25	5985.05	5983.43	-145.18	0.96	
13997.00	91.320	359.340	7496.21	6080.02	6078.41	-146.12	0.28	
14092.00	91.200	358.780	7494.12	6175.00	6173.37	-147.68	0.60	
14186.00	91.540	357.770	7491.87	6268.96	6267.30	-150.51	1.13	
14281.00	90.830	359.490	7489.91	6363.94	6362.25	-152.78	1.96	
14377.00	90.430	359.260	7488.85	6459.93	6458.24	-153.82	0.48	
14472.00	90.330	359.060	7488.22	6554.92	6553.22	-155.22	0.24	
14567.00	90.460	359.580	7487.57	6649.92	6648.21	-156.34	0.56	
14661.00	89.750	0.040	7487.40	6743.91	6742.21	-156.66	0.90	
14756.00	89.380	0.130	7488.12	6838.89	6837.21	-156.51	0.40	
14851.00	89.350	359.050	7489.17	6933.88	6932.20	-157.19	1.14	
14946.00	88.790	358.180	7490.71	7028.86	7027.16	-159.49	1.09	
15041.00	88.480	357.520	7492.97	7123.82	7122.06	-163.05	0.77	
15136.00	90.330	358.110	7493.96	7218.79	7216.98	-166.67	2.04	
15231.00	90.370	357.500	7493.38	7313.76	7311.91	-170.31	0.64	
15326.00	89.410	1.040	7493.56	7408.74	7406.89	-171.52	3.86	
15421.00	88.730	359.770	7495.11	7503.70	7501.87	-170.85	1.52	
15515.00	90.890	1.000	7495.42	7597.67	7595.86	-170.22	2.64	
15610.00	91.110	359.230	7493.76	7692.63	7690.84	-170.03	1.88	
15705.00	91.480	359.530	7491.61	7787.60	7785.81	-171.06	0.50	
15799.00	92.560	358.310	7488.30	7881.54	7879.73	-172.83	1.73	
15894.00	91.070	1.070	7485.29	7976.48	7974.67	-173.34	3.30	
15989.00	92.060	0.070	7482.69	8071.40	8069.63	-172.40	1.48	
16084.00	90.460	1.910	7480.61	8166.32	8164.59	-170.75	2.57	
16178.00	91.630	1.650	7478.89	8260.19	8258.52	-167.83	1.28	





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Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 AWP
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## WELLPATH DATA (163 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
16273.00	88.940	0.060	7478.42	8355.13	8353.50	-166.42	3.29	
16368.00	89.320	0.650	7479.86	8450.09	8448.49	-165.83	0.74	
16463.00	89.380	359.730	7480.94	8545.06	8543.48	-165.51	0.97	
16557.00	89.720	358.150	7481.68	8639.06	8637.46	-167.25	1.72	
16652.00	89.870	357.800	7482.02	8734.04	8732.40	-170.61	0.40	
16747.00	90.000	357.890	7482.12	8829.02	8827.33	-174.18	0.17	
16842.00	89.650	357.070	7482.41	8923.99	8922.24	-178.36	0.94	
16937.00	90.240	357.720	7482.51	9018.95	9017.14	-182.68	0.92	
17032.00	90.090	357.340	7482.23	9113.91	9112.05	-186.77	0.43	
17127.00	92.740	358.380	7479.89	9208.86	9206.94	-190.32	3.00	
17222.00	90.700	359.110	7477.04	9303.81	9301.87	-192.40	2.28	
17359.00	91.170	358.610	7474.80	9440.79	9438.83	-195.12	0.50	LAST BHI MWD SURVEY (565'FNL & 1351'FEL, SEC.29)
17418.00	91.170	358.610	7473.59	9499.77	9497.80	-196.55	0.00	PROJECTION TO BIT (506'FNL & 1352'FEL, SEC.29)

## HOLE & CASING SECTIONS - Ref Wellbore: TROUDT #5 AWP Ref Wellpath: TROUDT #5 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	1544.00	1524.00	20.00	1543.84	0.00	0.00	15.20	-3.27
7.875in Open Hole	1544.00	17418.00	15874.00	1543.84	7473.59	15.20	-3.27	9497.80	-196.55
5.5in Casing Production	20.00	17418.00	17398.00	20.00	7473.59	0.00	0.00	9497.80	-196.55





# Actual Wellpath Report

TROUDT #5 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#05 TROUDT #5 (537'FSL & 1063'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #5
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 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	-0.81	111.92	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
SEC.32-T02N-R67W	8.00	-0.81	111.92	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
TROUDT #5 BHL ON PLAT (460'FNL & 1320'FEL, SEC.29)	7470.00	9543.35	-164.46	3165093.10	1285383.90	40°06'54.947"N	104°54'34.931"W	point
TROUDT #5 EP ON PLAT (460'FSL & 1320'FEL, SEC.32)	7470.00	-75.81	-258.26	3165063.40	1275764.72	40°05'19.889"N	104°54'36.137"W	point
TROUDT #5 BHL ON PLAT REV-1 (460'FNL & 1320'FEL, SEC.29)	7489.00	9543.37	-164.47	3165093.08	1285383.92	40°06'54.947"N	104°54'34.931"W	point
TROUDT #5 INTERMEDIATE TARGET 1	7503.00	8600.00	-160.00	3165103.84	1284440.64	40°06'45.625"N	104°54'34.873"W	point
TROUDT #5 TARGET 7	7503.00	7932.58	-152.72	3165115.57	1283773.31	40°06'39.029"N	104°54'34.780"W	point
TROUDT #5 TARGET 8	7503.00	8532.48	-159.07	3165105.22	1284373.13	40°06'44.957"N	104°54'34.861"W	point
TROUDT #5 INTERMEDIATE TARGET	7509.00	5693.00	-160.00	3165123.21	1281533.82	40°06'16.897"N	104°54'34.873"W	point
TROUDT #5 TARGET 5	7509.00	5932.72	-156.89	3165124.73	1281773.55	40°06'19.266"N	104°54'34.833"W	point
TROUDT #5 TARGET 6	7509.00	7432.60	-150.11	3165121.51	1283273.38	40°06'34.088"N	104°54'34.746"W	point
TROUDT #5 EP ON PLAT REV-1 (460'FSL & 1320'FEL, SEC.32)	7531.00	-75.79	-258.27	3165063.39	1275764.74	40°05'19.889"N	104°54'36.137"W	point



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TROUDT #5 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#05 TROUDT #5 (537'FSL & 1063'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #5
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 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 #5 TARGET 1	7531.00	1333.73	-231.19	3165081.07	1277174.36	40°05'33.818"N	104°54'35.789"W	point
TROUDT #5 TARGET 2	7531.00	2833.49	-204.57	3165097.70	1278674.20	40°05'48.639"N	104°54'35.446"W	point
TROUDT #5 TARGET 3	7531.00	3733.43	-189.66	3165106.61	1279574.18	40°05'57.532"N	104°54'35.255"W	point
TROUDT #5 TARGET 4	7531.00	4533.17	-177.10	3165113.84	1280373.95	40°06'05.436"N	104°54'35.093"W	point
SEC.29/32-T02N-R67W HARDLINES (460'FNL/FSL)	7718.00	-0.81	111.92	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
EMERSON #2-29 J TARGET (500'RADIUS)	8209.00	8432.98	-206.13	3165058.83	1284273.32	40°06'43.974"N	104°54'35.467"W	circle
GUMESON #1 TARGET (500'RADIUS)	8233.00	3759.50	29.69	3165325.77	1279601.71	40°05'57.790"N	104°54'32.432"W	circle
EMERSON #3-29 J TARGET (500'RADIUS)	8256.00	6075.29	-207.31	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	8730.04	-2843.16	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	5648.08	-2507.83	3162775.83	1281473.27	40°06'16.452"N	104°55'05.088"W	circle
HALEY-GUMESON #2 TARGET (500'RADIUS)	8355.00	758.44	-192.51	3165123.58	1276599.36	40°05'28.133"N	104°54'35.291"W	circle



# Actual Wellpath Report

TROUDT #5 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#05 TROUDT #5 (537'FSL & 1063'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #5
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH COMPOSITION - Ref Wellbore: TROUDT #5 AWB      Ref Wellpath: TROUDT #5 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1492.00	ISCWSA MWD, Rev. 3 (Standard)	ENSECO MWD SURVEYS <158-1492>	TROUDT #5 AWB
1492.00	17359.00	NaviTrak (MagCorr)	BHI MWD/NAVITRAK (MAGCORR) 7.875" HOLE <1614-17359>	TROUDT #5 AWB
17359.00	17418.00	Blind Drilling (std)	Projection to bit	TROUDT #5 AWB



# Actual Wellpath Report

TROUDT #5 AWP

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## REFERENCE WELLPATH IDENTIFICATION

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Area	COLORADO	Well	TROUDT #5
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #5 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
1492.00	0.600	309.900	1491.85	TIED INTO ENSECO SURVEYS
1614.00	1.330	263.600	1613.83	FIRST BHI MWD SURVEY
7842.00	83.010	1.113	7508.90	CROSSED 460' SETBACK (468'FSL & 1308'FEL, SEC.32)
7957.00	89.190	0.230	7516.61	LANDING POINT (587'FSL & 1305'FEL, SEC.32)
17359.00	91.170	358.610	7474.80	LAST BHI MWD SURVEY (565'FNL & 1351'FEL, SEC.29)
17418.00	91.170	358.610	7473.59	PROJECTION TO BIT (506'FNL & 1352'FEL, SEC.29)