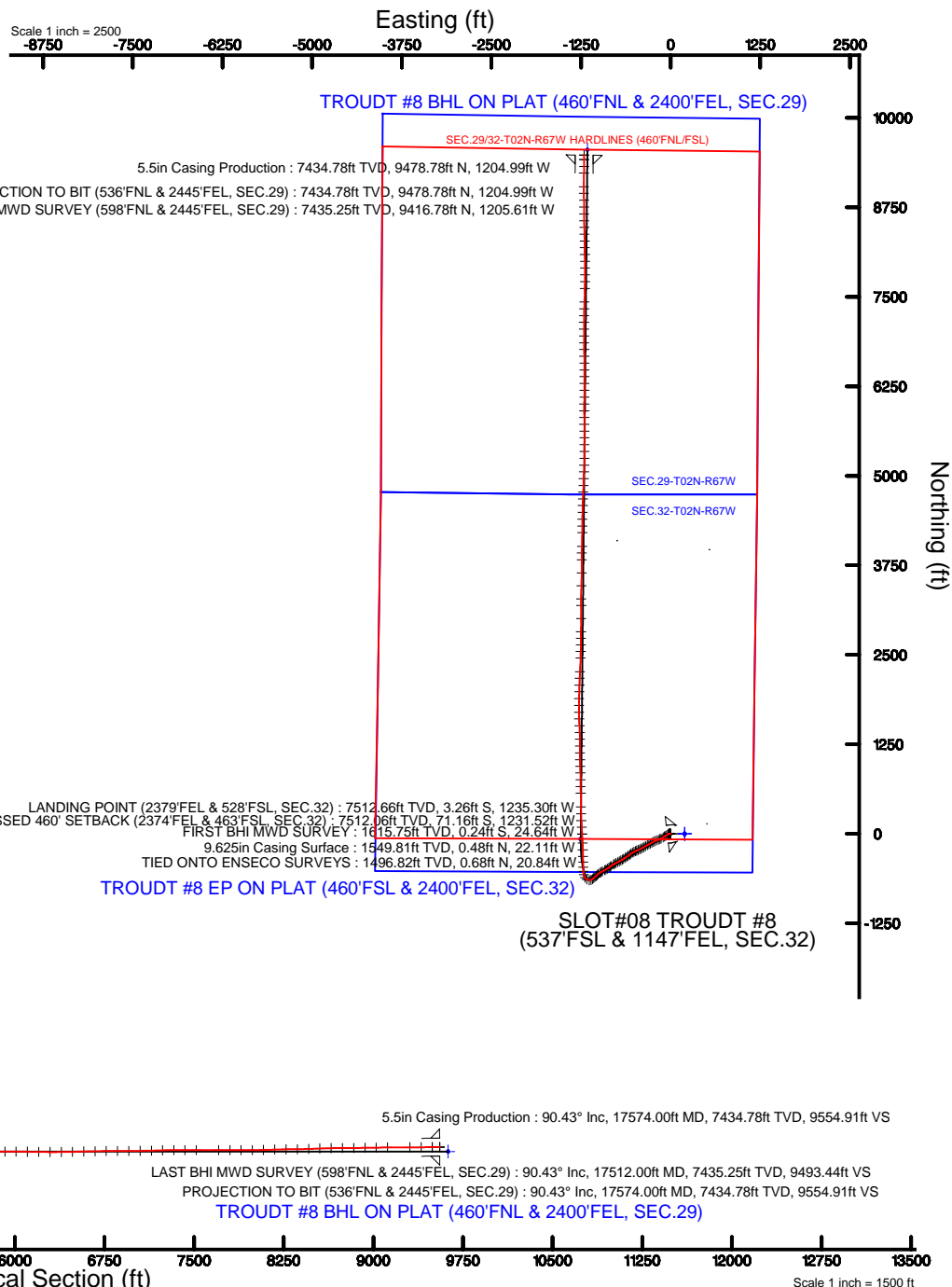


Location:	COLORADO	Slot:	SLOT#08 TROUDT #8 (537FSL & 1147FEL, SEC.32)
Field:	WELD COUNTY (NAD83/TRUE NORTH)	Well:	TROUDT #8
Facility:	SEC.32-T02N-R67W	Wellbore:	TROUDT #8 PWB
Plot reference wellpath is TROUDT #8 PWP (REV-B.0)			
True vertical depths are referenced to SAVANNA 802 (20'KB) (RKB)		Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	
Measured depths are referenced to SAVANNA 802 (20'KB) (RKB)		North Reference: True north	
SAVANNA 802 (20'KB) (RKB) to Mean Sea Level: 5100 feet		Scale: True distance	
Mean Sea Level to Mud line (At Slot: SLOT#08 TROUDT #8 (537FSL & 1147FEL, SEC.32)): 0 feet		Depths are in feet	
Coordinates are in feet referenced to Slot		Created by: hanisab on 8/7/2015	



Azimuth 353.08° with reference 0.00 N, 0.00 E



# Actual Wellpath Report

TROUDT #8 AWP

Page 1 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 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	8/7/2015 at 1:40:33 PM
Convergence at slot	0.38° East	Database/Source file	WA_Denver/TROUDT_#8_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	1.52	-196.17	3165236.89	1275842.40	40°05'20.645"N	104°54'33.898"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	5100.00ft
Horizontal Reference Pt	Slot	SAVANNA 802 (20'KB) (RKB) to Mean Sea Level	5100.00ft
Vertical Reference Pt	SAVANNA 802 (20'KB) (RKB)	SAVANNA 802 (20'KB) (RKB) to Mud Line at Slot (SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32))	5100.00ft
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	353.08°



# Actual Wellpath Report

TROUDT #8 AWP

Page 2 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (160 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
1497.00	1.000	268.500	1496.82	3.19	0.68	-20.84	0.48	TIED ONTO ENSECO SURVEYS
1616.00†	2.796	251.999	1615.75	2.73	-0.24	-24.64	1.56	FIRST BHI MWD SURVEY
1713.00	4.300	248.910	1712.56	1.38	-2.28	-30.28	1.56	
1806.00	8.040	239.190	1805.01	-2.11	-6.87	-39.12	4.16	
1902.00	11.400	231.520	1899.62	-9.79	-16.22	-52.32	3.74	
1996.00	13.020	239.910	1991.50	-18.82	-27.31	-68.76	2.55	
2091.00	12.450	235.780	2084.16	-27.73	-38.43	-86.49	1.13	
2185.00	14.880	240.600	2175.50	-36.99	-50.06	-105.38	2.85	
2311.00	14.880	243.720	2297.28	-48.54	-65.16	-133.98	0.64	
2374.00	13.740	243.020	2358.32	-53.79	-72.14	-147.90	1.83	
2469.00	15.590	247.480	2450.23	-61.09	-82.15	-169.75	2.28	
2564.00	16.850	248.500	2541.44	-67.99	-92.08	-194.36	1.36	
2659.00	14.780	247.590	2632.84	-74.69	-101.75	-218.37	2.19	
2753.00	13.920	240.040	2723.92	-82.31	-111.97	-239.26	2.19	
2848.00	15.770	243.110	2815.74	-91.20	-123.52	-260.67	2.12	
2942.00	13.840	240.750	2906.62	-99.83	-134.79	-281.88	2.15	
3037.00	16.640	242.660	2998.27	-108.89	-146.59	-303.88	2.99	
3131.00	14.950	240.150	3088.72	-118.31	-158.81	-326.35	1.94	
3224.00	16.510	239.550	3178.23	-128.26	-171.47	-348.15	1.69	
3319.00	14.530	238.810	3269.76	-138.55	-184.49	-369.98	2.09	
3414.00	15.970	244.280	3361.42	-147.66	-196.33	-391.95	2.14	
3508.00	13.410	243.050	3452.34	-155.56	-206.89	-413.32	2.74	
3603.00	14.620	245.510	3544.51	-162.95	-216.85	-434.05	1.42	
3697.00	11.950	243.390	3635.99	-169.81	-226.13	-453.55	2.89	
3792.00	12.980	248.320	3728.75	-175.84	-234.47	-472.26	1.56	
3885.00	13.240	246.570	3819.33	-181.53	-242.57	-491.74	0.51	
3980.00	13.780	243.370	3911.70	-188.44	-251.97	-511.84	0.97	
4075.00	14.220	239.090	4003.88	-197.00	-263.03	-531.96	1.18	
4170.00	15.080	233.440	4095.79	-207.85	-276.39	-551.90	1.75	
4265.00	14.850	232.900	4187.57	-220.08	-291.09	-571.54	0.28	



# Actual Wellpath Report

TROUDT #8 AWP

Page 3 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4360.00	15.510	234.240	4279.26	-232.33	-305.86	-591.55	0.79	
4455.00	15.800	234.350	4370.73	-244.67	-320.82	-612.37	0.31	
4550.00	16.050	237.750	4462.09	-256.50	-335.36	-633.99	1.02	
4644.00	15.440	239.210	4552.56	-267.13	-348.70	-655.73	0.77	
4739.00	13.230	237.920	4644.60	-276.87	-360.95	-675.80	2.35	
4833.00	14.910	240.810	4735.78	-286.02	-372.56	-695.48	1.94	
4928.00	13.870	242.130	4827.80	-294.72	-383.85	-716.21	1.15	
5024.00	15.030	242.900	4920.76	-303.13	-394.90	-737.47	1.22	
5118.00	15.610	240.760	5011.42	-312.14	-406.63	-759.35	0.86	
5214.00	13.510	241.900	5104.33	-321.10	-418.22	-780.52	2.21	
5309.00	11.510	241.310	5197.07	-328.62	-428.00	-798.62	2.11	
5499.00	11.510	231.880	5383.26	-345.47	-448.80	-830.17	0.99	
5594.00	12.430	231.800	5476.20	-355.69	-460.98	-845.66	0.97	
5688.00	13.730	234.570	5567.76	-366.26	-473.70	-862.70	1.53	
5783.00	15.490	239.290	5659.69	-376.76	-486.72	-882.80	2.24	
5878.00	11.610	238.440	5752.02	-385.87	-498.20	-901.86	4.09	
5972.00	12.020	247.470	5844.04	-392.45	-506.90	-918.96	2.01	
6161.00	11.960	238.230	6028.93	-405.97	-524.76	-953.79	1.02	
6256.00	12.360	240.390	6121.80	-414.03	-534.96	-971.00	0.64	
6350.00	16.730	237.680	6212.77	-423.72	-547.17	-991.19	4.70	
6445.00	14.110	227.470	6304.36	-436.33	-562.32	-1011.28	3.96	
6540.00	11.270	220.980	6397.03	-449.30	-577.16	-1025.91	3.34	
6634.00	12.660	228.730	6489.00	-461.27	-590.89	-1039.67	2.26	
6729.00	14.100	232.260	6581.42	-473.07	-604.84	-1056.65	1.74	
6824.00	11.570	228.130	6674.04	-484.46	-618.28	-1072.90	2.83	
6918.00	13.800	231.050	6765.74	-495.80	-631.62	-1088.64	2.47	
7013.00	15.970	246.990	6857.58	-505.44	-643.86	-1109.49	4.86	
7108.00	19.430	276.590	6948.25	-505.37	-647.16	-1137.28	10.02	
7203.00	21.010	299.760	7037.54	-491.48	-636.88	-1167.81	8.54	
7298.00	25.380	326.330	7125.08	-463.03	-611.40	-1193.97	11.82	



# Actual Wellpath Report

TROUDT #8 AWP

Page 4 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (160 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7393.00	28.460	348.500	7209.99	-422.18	-572.17	-1209.81	10.99	
7487.00	33.670	356.440	7290.51	-373.78	-524.16	-1215.90	7.04	
7582.00	41.850	358.320	7365.56	-315.84	-466.10	-1218.47	8.69	
7677.00	52.980	358.550	7429.74	-246.31	-396.29	-1220.37	11.72	
7771.00	66.260	358.810	7477.17	-165.78	-315.40	-1222.22	14.13	
7866.00	80.740	358.090	7504.08	-75.33	-224.58	-1224.70	15.26	
7961.00	89.900	357.250	7511.83	18.94	-130.08	-1228.55	9.68	
8020.00†	89.644	356.971	7512.06	77.80	-71.16	-1231.52	0.64	CROSSED 460' SETBACK (2374'FEL & 463'FSL, SEC.32)
8088.00	89.350	356.650	7512.66	145.65	-3.26	-1235.30	0.64	LANDING POINT (2379'FEL & 528'FSL, SEC.32)
8182.00	89.560	356.960	7513.55	239.45	90.58	-1240.54	0.40	
8277.00	89.380	356.790	7514.43	334.23	185.44	-1245.72	0.26	
8372.00	90.920	359.130	7514.18	428.88	280.37	-1249.10	2.95	
8467.00	89.380	358.770	7513.93	523.38	375.35	-1250.84	1.66	
8657.00	89.320	359.320	7516.09	712.34	565.31	-1254.01	0.29	
8751.00	91.140	359.110	7515.71	805.79	659.30	-1255.30	1.95	
8846.00	91.700	359.280	7513.36	900.22	754.26	-1256.63	0.62	
8941.00	92.680	358.680	7509.73	994.65	849.17	-1258.32	1.21	
9034.00	90.370	358.580	7507.25	1087.17	942.11	-1260.54	2.49	
9128.00	91.200	358.470	7505.96	1180.74	1036.07	-1262.96	0.89	
9223.00	89.970	0.600	7504.99	1275.12	1131.05	-1263.73	2.59	
9318.00	89.510	359.560	7505.42	1369.41	1226.05	-1263.60	1.20	
9413.00	89.820	359.000	7505.98	1463.85	1321.04	-1264.79	0.67	
9507.00	89.450	358.400	7506.58	1557.40	1415.01	-1266.93	0.75	
9602.00	89.450	357.350	7507.49	1652.06	1509.94	-1270.45	1.11	
9696.00	89.660	356.480	7508.22	1745.85	1603.80	-1275.51	0.95	
9791.00	89.260	0.720	7509.12	1840.38	1698.75	-1277.83	4.48	
9885.00	88.830	359.650	7510.68	1933.64	1792.73	-1277.53	1.23	
9980.00	89.380	1.600	7512.17	2027.80	1887.71	-1276.49	2.13	
10075.00	89.040	0.960	7513.48	2121.82	1982.67	-1274.37	0.76	
10169.00	89.480	2.670	7514.69	2214.72	2076.62	-1271.39	1.88	



# Actual Wellpath Report

TROUDT #8 AWP

Page 5 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
10264.00	89.010	1.910	7515.94	2308.48	2171.53	-1267.59	0.94	
10358.00	89.850	3.010	7516.88	2401.22	2265.44	-1263.56	1.47	
10547.00	90.710	1.650	7515.95	2587.75	2454.27	-1255.88	0.85	
10640.00	90.150	0.540	7515.26	2679.84	2547.25	-1254.10	1.34	
10732.00	89.380	0.120	7515.63	2771.10	2639.25	-1253.57	0.95	
10824.00	90.060	1.410	7516.08	2862.27	2731.24	-1252.34	1.59	
10917.00	91.040	1.040	7515.19	2954.33	2824.21	-1250.35	1.13	
11100.00	92.300	0.830	7509.86	3135.53	3007.10	-1247.37	0.70	
11284.00	91.320	359.790	7504.05	3317.97	3191.00	-1246.37	0.78	
11375.00	89.690	359.430	7503.24	3408.37	3282.00	-1246.99	1.83	
11559.00	90.830	2.140	7502.41	3590.68	3465.96	-1244.47	1.60	
11736.00	90.250	0.360	7500.74	3765.87	3642.90	-1240.61	1.06	
11919.00	91.480	359.880	7497.98	3947.47	3825.87	-1240.23	0.72	
12014.00	90.400	1.500	7496.42	4041.61	3920.85	-1239.08	2.05	
12108.00	91.260	1.100	7495.06	4134.63	4014.81	-1236.95	1.01	
12298.00	90.830	1.620	7491.59	4322.62	4204.73	-1232.44	0.36	
12392.00	90.300	358.710	7490.67	4415.89	4298.71	-1232.17	3.15	
12487.00	90.000	2.200	7490.42	4510.09	4393.69	-1231.42	3.69	
12582.00	90.980	2.100	7489.60	4603.89	4488.62	-1227.85	1.04	
12677.00	89.780	1.070	7488.97	4697.84	4583.58	-1225.23	1.66	
12771.00	89.470	2.790	7489.59	4790.72	4677.52	-1222.06	1.86	
12865.00	90.430	1.810	7489.67	4883.50	4771.44	-1218.29	1.46	
12960.00	90.640	1.400	7488.78	4977.44	4866.40	-1215.63	0.48	
13055.00	90.150	2.590	7488.13	5071.29	4961.34	-1212.32	1.35	
13150.00	91.410	2.300	7486.84	5165.01	5056.24	-1208.27	1.36	
13244.00	89.200	1.920	7486.34	5257.84	5150.17	-1204.81	2.39	
13339.00	89.130	0.670	7487.72	5351.85	5245.14	-1202.66	1.32	
13434.00	90.890	0.330	7487.70	5446.05	5340.13	-1201.83	1.89	
13530.00	91.510	359.630	7485.69	5541.34	5436.11	-1201.87	0.97	
13624.00	92.670	359.280	7482.26	5634.69	5530.04	-1202.76	1.29	



# Actual Wellpath Report

TROUDT #8 AWP

Page 6 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
13719.00	93.760	359.820	7476.94	5728.93	5624.88	-1203.51	1.28	
13814.00	91.560	359.630	7472.53	5823.19	5719.77	-1203.96	2.32	
13909.00	89.530	0.000	7471.62	5917.52	5814.76	-1204.27	2.17	
14003.00	90.000	359.520	7472.01	6010.88	5908.76	-1204.66	0.71	
14098.00	88.700	0.460	7473.09	6105.18	6003.75	-1204.68	1.69	
14193.00	89.200	0.690	7474.83	6199.36	6098.73	-1203.72	0.58	
14289.00	89.780	359.760	7475.68	6294.60	6194.73	-1203.35	1.14	
14384.00	90.700	0.340	7475.29	6388.90	6289.72	-1203.26	1.14	
14479.00	91.260	359.800	7473.66	6483.18	6384.71	-1203.15	0.82	
14573.00	92.150	359.870	7470.86	6576.48	6478.67	-1203.42	0.95	
14668.00	90.560	359.910	7468.62	6670.78	6573.64	-1203.60	1.67	
14763.00	90.590	359.430	7467.66	6765.15	6668.63	-1204.15	0.51	
14858.00	89.780	359.640	7467.36	6859.55	6763.63	-1204.92	0.88	
14953.00	90.370	359.100	7467.23	6953.97	6858.62	-1205.96	0.84	
15048.00	91.420	359.090	7465.75	7048.44	6953.59	-1207.46	1.11	
15143.00	91.290	0.070	7463.50	7142.80	7048.56	-1208.16	1.04	
15238.00	92.120	0.030	7460.68	7237.05	7143.52	-1208.08	0.87	
15333.00	90.120	0.810	7458.82	7331.25	7238.49	-1207.38	2.26	
15427.00	89.840	2.320	7458.85	7424.22	7332.46	-1204.81	1.63	
15522.00	90.090	1.810	7458.91	7518.05	7427.39	-1201.39	0.60	
15711.00	90.120	1.350	7458.56	7704.97	7616.32	-1196.18	0.24	
15806.00	88.850	359.840	7459.42	7799.15	7711.31	-1195.19	2.08	
15901.00	90.180	0.590	7460.22	7893.40	7806.30	-1194.84	1.61	
15996.00	90.520	0.040	7459.64	7987.65	7901.30	-1194.31	0.68	
16090.00	91.380	359.420	7458.08	8081.00	7995.28	-1194.76	1.13	
16185.00	92.120	358.530	7455.18	8175.45	8090.22	-1196.46	1.22	
16280.00	90.700	359.250	7452.84	8269.93	8185.17	-1198.30	1.68	
16375.00	90.920	359.270	7451.50	8364.37	8280.15	-1199.52	0.23	
16470.00	91.780	358.850	7449.26	8458.82	8375.11	-1201.08	1.01	
16564.00	92.580	358.170	7445.69	8552.33	8469.01	-1203.52	1.12	





# Actual Wellpath Report

TROUDT #8 AWP

Page 7 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWP
Facility	SEC.32-T02N-R67W		

## WELLPATH DATA (160 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
16659.00	90.520	359.980	7443.12	8646.77	8563.96	-1205.05	2.89	
16754.00	90.460	359.980	7442.31	8741.08	8658.95	-1205.09	0.06	
16849.00	90.670	359.400	7441.37	8835.44	8753.95	-1205.60	0.65	
16944.00	90.830	358.260	7440.12	8929.95	8848.92	-1207.54	1.21	
17039.00	91.050	358.220	7438.57	9024.55	8943.86	-1210.46	0.24	
17133.00	90.830	0.720	7437.02	9117.95	9037.83	-1211.33	2.67	
17322.00	90.000	1.050	7435.66	9305.19	9226.81	-1208.41	0.47	
17417.00	90.030	0.870	7435.63	9399.29	9321.79	-1206.82	0.19	
17512.00	90.430	0.580	7435.25	9493.44	9416.78	-1205.61	0.52	LAST BHI MWD SURVEY (598'FNL & 2445'FEL, SEC.29)
17574.00	90.430	0.580	7434.78	9554.91	9478.78	-1204.99	0.00	PROJECTION TO BIT (536'FNL & 2445'FEL, SEC.29)

## HOLE & CASING SECTIONS - Ref Wellbore: TROUDT #8 AWP Ref Wellpath: TROUDT #8 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	1550.00	1530.00	20.00	1549.81	0.00	0.00	0.48	-22.11
7.875in Open Hole	1550.00	17574.00	16024.00	1549.81	7434.78	0.48	-22.11	9478.78	-1204.99
5.5in Casing Production	20.00	17574.00	17554.00	20.00	7434.78	0.00	0.00	9478.78	-1204.99





# Actual Wellpath Report

TROUDT #8 AWP

Page 8 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 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	9.00	-1.52	196.17	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
SEC.32-T02N-R67W	9.00	-1.52	196.17	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
TROUDT #8 BHL ON PLAT (460'FNL & 2400'FEL, SEC.29)	7471.00	9555.05	-1160.13	3164013.20	1285389.12	40°06'55.069"N	104°54'48.830"W	point
TROUDT #8 EP ON PLAT (460'FSL & 2400'FEL, SEC.32)	7471.00	-72.12	-1254.31	3163983.13	1275761.93	40°05'19.932"N	104°54'50.036"W	point
SEC.29/32-T02N-R67W HARDLINES (460'FNL/FSL)	7719.00	-1.52	196.17	3165433.05	1275842.19	40°05'20.630"N	104°54'31.374"W	polygon
EMERSON #2-29 J TARGET (500'RADIUS)	8210.00	8432.27	-121.90	3165058.83	1284273.32	40°06'43.974"N	104°54'35.467"W	circle
GUMESON #1 TARGET (500'RADIUS)	8234.00	3758.79	113.92	3165325.77	1279601.71	40°05'57.790"N	104°54'32.432"W	circle
EMERSON #3-29 J TARGET (500'RADIUS)	8257.00	6074.58	-123.08	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)	8265.00	8729.32	-2758.94	3162419.99	1284552.79	40°06'46.908"N	104°55'09.408"W	circle
HELEN RUSSEL PERRIN GU #1 TARGET (500'RADIUS)	8272.00	5647.37	-2423.60	3162775.83	1281473.27	40°06'16.452"N	104°55'05.088"W	circle
HALEY-GUMESON #2 TARGET (500'RADIUS)	8356.00	757.73	-108.26	3165123.58	1276599.36	40°05'28.133"N	104°54'35.291"W	circle



# Actual Wellpath Report

TROUDT #8 AWP  
Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION			
Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWB
Facility	SEC.32-T02N-R67W		

WELLPATH COMPOSITION - Ref Wellbore: TROUDT #8 AWB      Ref Wellpath: TROUDT #8 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1497.00	ISCWSA MWD, Rev. 3 (Standard)	ENSECO SURFACE SURVEYS <125-1497>	TROUDT #8 AWB
1497.00	17512.00	NaviTrak (MagCorr)	BHI MWD/NAVITRAK (MAGCORR) 7.875" HOLE <1616-17512>	TROUDT #8 AWB
17512.00	17574.00	Blind Drilling (std)	Projection to bit	TROUDT #8 AWB



# Actual Wellpath Report

TROUDT #8 AWP

Page 10 of 10



## REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 TROUDT #8 (537'FSL & 1147'FEL, SEC.32)
Area	COLORADO	Well	TROUDT #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	TROUDT #8 AWB
Facility	SEC.32-T02N-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
1497.00	1.000	268.500	1496.82	TIED ONTO ENSECO SURVEYS
1616.00	2.796	251.999	1615.75	FIRST BHI MWD SURVEY
8020.00	89.644	356.971	7512.06	CROSSED 460' SETBACK (2374'FEL & 463'FSL, SEC.32)
8088.00	89.350	356.650	7512.66	LANDING POINT (2379'FEL & 528'FSL, SEC.32)
17512.00	90.430	0.580	7435.25	LAST BHI MWD SURVEY (598'FNL & 2445'FEL, SEC.29)
17574.00	90.430	0.580	7434.78	PROJECTION TO BIT (536'FNL & 2445'FEL, SEC.29)