

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 1 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Doddanna
Scale	0.999958	Report Generated	4/25/2019 at 11:52:11 AM
Convergence at slot	0.41° East	Database/Source file	WellArchitectDB/ECHEVERRIA_2H-2H-D267_AWP.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-0.41	49.99	3177525.50	1306149.69	40°10'19.311"N	104°51'52.992"W
Facility Reference Pt			3177475.51	1306149.74	40°10'19.315"N	104°51'53.636"W
Field Reference Pt			3124921.48	1267514.84	40°04'00.678"N	105°03'13.165"W

## WELLPATH DATUM

Calculation method	Minimum curvature	ENSIGN 142 (4882'GL&28'RIG@4910'RKB) (RKB) to Facility Vertical Datum	4910.00ft
Horizontal Reference Pt	Slot	ENSIGN 142 (4882'GL&28'RIG@4910'RKB) (RKB) to Mean Sea Level	4910.00ft
Vertical Reference Pt	ENSIGN 142 (4882'GL&28'RIG@4910'RKB) (RKB)	ENSIGN 142 (4882'GL&28'RIG@4910'RKB) (RKB) to Ground Level at Slot (SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2))	4910.00ft
MD Reference Pt	ENSIGN 142 (4882'GL&28'RIG@4910'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	168.20°

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 2 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

WELLPATH DATA (137 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	157.760	0.00	0.00	0.00	0.00	40°10'19.311"N	104°51'52.992"W	0.00	
172.00	0.260	157.760	172.00	0.38	-0.36	0.15	40°10'19.307"N	104°51'52.990"W	0.15	
267.00	1.320	58.010	266.99	0.22	0.02	1.16	40°10'19.311"N	104°51'52.977"W	1.46	
361.00	3.340	43.860	360.91	-1.70	2.57	3.97	40°10'19.336"N	104°51'52.941"W	2.22	
455.00	4.840	37.710	454.67	-5.82	7.68	8.30	40°10'19.387"N	104°51'52.885"W	1.66	
549.00	4.840	33.050	548.33	-11.21	14.14	12.88	40°10'19.451"N	104°51'52.826"W	0.42	
643.00	6.950	31.640	641.83	-18.15	22.31	18.03	40°10'19.531"N	104°51'52.760"W	2.25	
738.00	9.410	36.560	735.86	-27.48	33.44	25.67	40°10'19.641"N	104°51'52.661"W	2.69	
832.00	13.280	39.200	828.00	-39.39	47.98	37.08	40°10'19.785"N	104°51'52.514"W	4.15	
907.00	13.050	34.310	901.04	-50.68	61.65	47.30	40°10'19.920"N	104°51'52.383"W	1.52	
1001.00	13.970	37.410	992.43	-65.45	79.43	60.17	40°10'20.096"N	104°51'52.217"W	1.25	
1095.00	13.370	31.090	1083.78	-80.82	97.75	72.68	40°10'20.277"N	104°51'52.056"W	1.71	
1190.00	15.930	34.090	1175.68	-97.95	117.96	85.66	40°10'20.477"N	104°51'51.889"W	2.81	
1284.00	17.040	39.400	1265.82	-115.56	139.29	101.63	40°10'20.687"N	104°51'51.683"W	1.99	
1379.00	18.130	41.240	1356.38	-133.17	161.16	120.21	40°10'20.903"N	104°51'51.443"W	1.29	
1473.00	15.940	37.640	1446.25	-150.35	182.38	137.74	40°10'21.113"N	104°51'51.218"W	2.58	
1568.00	14.670	25.700	1537.91	-168.39	203.56	150.93	40°10'21.322"N	104°51'51.048"W	3.57	
1663.00	13.740	26.290	1630.00	-186.81	224.51	161.14	40°10'21.530"N	104°51'50.916"W	0.99	
1757.00	12.510	29.920	1721.54	-203.19	243.35	171.16	40°10'21.716"N	104°51'50.787"W	1.57	
1851.00	11.140	35.940	1813.55	-216.90	259.52	181.57	40°10'21.876"N	104°51'50.653"W	1.96	
1946.00	9.460	31.490	1907.02	-228.76	273.61	191.04	40°10'22.015"N	104°51'50.531"W	1.96	
2040.00	9.710	33.250	1999.71	-239.98	286.83	199.42	40°10'22.145"N	104°51'50.423"W	0.41	
2134.00	10.220	32.300	2092.29	-251.57	300.51	208.22	40°10'22.281"N	104°51'50.310"W	0.57	
2229.00	12.220	31.970	2185.47	-264.88	316.16	218.05	40°10'22.435"N	104°51'50.183"W	2.11	
2292.00	12.200	33.110	2247.04	-274.41	327.39	225.22	40°10'22.546"N	104°51'50.091"W	0.38	
2356.00	12.200	33.110	2309.60	-283.99	338.72	232.60	40°10'22.658"N	104°51'49.996"W	0.00	TIED TO 3RD PARTY SURFACE SURVEYS
2372.00	9.770	24.060	2325.30	-286.29	341.38	234.08	40°10'22.684"N	104°51'49.977"W	18.58	FIRST BHGE MWD SURVEY
2461.00	9.620	16.750	2413.04	-298.94	355.40	239.30	40°10'22.823"N	104°51'49.909"W	1.39	
2550.00	10.190	25.320	2500.71	-311.75	369.63	244.81	40°10'22.964"N	104°51'49.838"W	1.77	
2639.00	11.380	33.180	2588.15	-324.24	384.10	252.99	40°10'23.107"N	104°51'49.733"W	2.12	

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 3 of 8



REFERENCE WELLPATH IDENTIFICATION			
Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

WELLPATH DATA (137 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2728.00	11.350	30.670	2675.40	-336.91	398.98	262.26	40°10'23.254"N	104°51'49.614"W	0.56	
2817.00	13.340	28.750	2762.34	-351.17	415.52	271.67	40°10'23.417"N	104°51'49.492"W	2.28	
2906.00	13.260	28.460	2848.95	-366.76	433.49	281.47	40°10'23.595"N	104°51'49.366"W	0.12	
2995.00	13.720	37.250	2935.51	-381.47	450.87	292.72	40°10'23.766"N	104°51'49.221"W	2.36	
3084.00	12.720	36.040	3022.15	-394.96	467.19	304.88	40°10'23.928"N	104°51'49.065"W	1.17	
3174.00	13.790	35.010	3109.75	-408.95	483.99	316.86	40°10'24.094"N	104°51'48.910"W	1.22	
3263.00	13.000	34.430	3196.32	-423.14	500.94	328.61	40°10'24.261"N	104°51'48.759"W	0.90	
3374.00	12.540	36.670	3304.58	-439.76	520.90	342.86	40°10'24.458"N	104°51'48.575"W	0.61	
3463.00	12.960	40.340	3391.39	-452.29	536.26	355.09	40°10'24.610"N	104°51'48.418"W	1.02	
3552.00	13.390	39.340	3478.04	-464.88	551.83	368.08	40°10'24.764"N	104°51'48.250"W	0.55	
3641.00	13.950	40.080	3564.52	-477.97	568.01	381.52	40°10'24.924"N	104°51'48.077"W	0.66	
3730.00	11.780	38.490	3651.28	-490.40	583.33	394.09	40°10'25.075"N	104°51'47.915"W	2.47	
3819.00	13.300	37.410	3738.16	-502.89	598.58	405.96	40°10'25.226"N	104°51'47.762"W	1.73	
3908.00	14.100	40.540	3824.63	-516.20	614.95	419.23	40°10'25.388"N	104°51'47.591"W	1.23	
3997.00	15.600	36.590	3910.65	-530.77	632.80	433.41	40°10'25.564"N	104°51'47.409"W	2.03	
4086.00	15.810	35.650	3996.33	-546.92	652.26	447.61	40°10'25.756"N	104°51'47.226"W	0.37	
4175.00	15.100	34.340	4082.11	-563.15	671.68	461.21	40°10'25.948"N	104°51'47.050"W	0.89	
4264.00	13.780	31.740	4168.30	-578.87	690.27	473.33	40°10'26.132"N	104°51'46.894"W	1.65	
4353.00	12.730	29.760	4254.93	-593.89	707.80	483.77	40°10'26.305"N	104°51'46.760"W	1.29	
4442.00	13.080	34.370	4341.68	-608.20	724.62	494.33	40°10'26.472"N	104°51'46.624"W	1.22	
4531.00	12.440	37.050	4428.48	-621.48	740.59	505.79	40°10'26.629"N	104°51'46.476"W	0.98	
4621.00	14.280	40.030	4516.05	-634.72	756.82	518.77	40°10'26.790"N	104°51'46.309"W	2.18	
4710.00	14.000	38.820	4602.35	-648.33	773.62	532.58	40°10'26.956"N	104°51'46.131"W	0.46	
4799.00	12.980	39.130	4688.89	-661.46	789.76	545.63	40°10'27.115"N	104°51'45.963"W	1.15	
4888.00	12.290	32.930	4775.74	-674.49	805.46	557.09	40°10'27.270"N	104°51'45.815"W	1.71	
4977.00	11.670	33.650	4862.80	-687.54	820.90	567.23	40°10'27.423"N	104°51'45.685"W	0.72	
5066.00	13.060	32.300	4949.74	-701.07	836.90	577.59	40°10'27.581"N	104°51'45.551"W	1.60	
5155.00	12.170	32.260	5036.59	-715.04	853.33	587.97	40°10'27.743"N	104°51'45.417"W	1.00	
5244.00	12.520	36.650	5123.53	-728.17	869.00	598.74	40°10'27.898"N	104°51'45.279"W	1.13	
5333.00	13.770	35.750	5210.20	-741.72	885.34	610.69	40°10'28.060"N	104°51'45.125"W	1.42	

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 4 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

## WELLPATH DATA (137 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5423.00	14.060	33.370	5297.56	-756.66	903.16	622.96	40°10'28.236"N	104°51'44.967"W	0.71	
5512.00	12.930	32.690	5384.10	-771.38	920.57	634.28	40°10'28.408"N	104°51'44.821"W	1.28	
5601.00	13.970	30.010	5470.66	-786.49	938.26	645.03	40°10'28.583"N	104°51'44.682"W	1.36	
5690.00	12.140	29.260	5557.35	-801.56	955.73	654.98	40°10'28.755"N	104°51'44.554"W	2.06	
5779.00	13.280	30.070	5644.17	-816.23	972.74	664.68	40°10'28.923"N	104°51'44.429"W	1.30	
5868.00	12.300	27.020	5730.96	-831.23	990.03	674.11	40°10'29.094"N	104°51'44.308"W	1.34	
5957.00	12.550	29.930	5817.88	-845.83	1006.85	683.24	40°10'29.261"N	104°51'44.190"W	0.76	
6046.00	12.380	39.300	5904.79	-859.04	1022.62	694.11	40°10'29.416"N	104°51'44.050"W	2.28	
6135.00	12.070	36.560	5991.77	-871.21	1037.48	705.69	40°10'29.563"N	104°51'43.901"W	0.74	
6225.00	11.580	33.360	6079.86	-883.83	1052.58	716.26	40°10'29.712"N	104°51'43.765"W	0.91	
6314.00	11.200	36.490	6167.11	-895.88	1066.99	726.32	40°10'29.855"N	104°51'43.635"W	0.82	
6403.00	8.460	31.600	6254.80	-906.39	1079.52	734.89	40°10'29.979"N	104°51'43.525"W	3.22	
6492.00	7.740	59.630	6342.94	-913.06	1088.13	743.49	40°10'30.064"N	104°51'43.414"W	4.46	
6581.00	12.200	105.110	6430.70	-910.71	1088.71	757.77	40°10'30.069"N	104°51'43.230"W	9.79	
6670.00	15.430	139.380	6517.26	-896.05	1077.25	774.59	40°10'29.956"N	104°51'43.013"W	9.71	
6759.00	17.040	155.610	6602.75	-872.93	1056.37	787.69	40°10'29.750"N	104°51'42.845"W	5.39	
6848.00	21.830	170.460	6686.70	-843.64	1028.14	795.83	40°10'29.471"N	104°51'42.740"W	7.69	
6937.00	28.060	175.800	6767.37	-806.31	990.91	800.11	40°10'29.103"N	104°51'42.685"W	7.44	
7026.00	32.390	176.920	6844.26	-761.98	946.20	802.92	40°10'28.661"N	104°51'42.648"W	4.91	
7115.00	32.330	180.660	6919.44	-715.18	898.60	803.93	40°10'28.191"N	104°51'42.635"W	2.25	
7205.00	40.600	182.220	6991.76	-663.17	845.18	802.52	40°10'27.663"N	104°51'42.654"W	9.25	
7294.00	50.420	179.930	7054.06	-601.34	781.78	801.43	40°10'27.036"N	104°51'42.668"W	11.18	
7383.00	58.220	175.220	7105.95	-530.08	709.65	804.63	40°10'26.324"N	104°51'42.626"W	9.76	
7472.00	64.380	173.700	7148.67	-452.51	631.99	812.20	40°10'25.556"N	104°51'42.529"W	7.08	
7561.00	74.380	177.410	7179.98	-370.04	549.06	818.55	40°10'24.737"N	104°51'42.447"W	11.89	
7650.00	82.820	177.750	7197.56	-284.04	461.97	822.23	40°10'23.876"N	104°51'42.400"W	9.49	
7739.00	88.990	177.770	7203.91	-196.54	373.31	825.70	40°10'23.000"N	104°51'42.355"W	6.93	
7828.00	90.520	177.080	7204.29	-108.70	284.41	829.70	40°10'22.121"N	104°51'42.304"W	1.89	
7917.00	90.920	176.800	7203.17	-20.74	195.54	834.45	40°10'21.243"N	104°51'42.243"W	0.55	
8006.00	90.310	177.950	7202.22	67.12	106.64	838.52	40°10'20.365"N	104°51'42.190"W	1.46	

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 5 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

## WELLPATH DATA (137 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8095.00	90.280	177.310	7201.76	154.91	17.72	842.20	40°10'19.486"N	104°51'42.143"W	0.72	
8184.00	91.480	177.340	7200.39	242.77	-71.17	846.36	40°10'18.607"N	104°51'42.089"W	1.35	
8274.00	89.350	178.100	7199.74	331.52	-161.09	849.94	40°10'17.719"N	104°51'42.043"W	2.51	
8363.00	90.490	178.430	7199.86	419.15	-250.05	852.63	40°10'16.840"N	104°51'42.009"W	1.33	
8452.00	88.770	177.420	7200.44	506.87	-338.99	855.85	40°10'15.961"N	104°51'41.967"W	2.24	
8541.00	89.110	177.610	7202.08	594.68	-427.89	859.71	40°10'15.082"N	104°51'41.917"W	0.44	
8630.00	89.880	177.880	7202.87	682.44	-516.81	863.21	40°10'14.204"N	104°51'41.872"W	0.92	
8719.00	91.080	178.210	7202.12	770.13	-605.76	866.25	40°10'13.325"N	104°51'41.833"W	1.40	
8808.00	90.120	177.870	7201.19	857.81	-694.70	869.29	40°10'12.446"N	104°51'41.794"W	1.14	
8897.00	88.340	178.830	7202.39	945.40	-783.65	871.86	40°10'11.567"N	104°51'41.761"W	2.27	
8986.00	88.990	179.220	7204.46	1032.79	-872.61	873.37	40°10'10.688"N	104°51'41.742"W	0.85	
9075.00	90.060	179.600	7205.20	1120.09	-961.60	874.29	40°10'09.808"N	104°51'41.730"W	1.28	
9164.00	90.920	179.450	7204.44	1207.35	-1050.60	875.02	40°10'08.929"N	104°51'41.720"W	0.98	
9253.00	90.030	180.590	7203.70	1294.46	-1139.59	874.99	40°10'08.049"N	104°51'41.721"W	1.62	
9342.00	89.910	179.790	7203.75	1381.52	-1228.59	874.70	40°10'07.170"N	104°51'41.725"W	0.91	
9432.00	88.150	179.900	7205.27	1469.65	-1318.57	874.94	40°10'06.281"N	104°51'41.722"W	1.96	
9521.00	88.740	182.660	7207.69	1556.30	-1407.51	872.95	40°10'05.402"N	104°51'41.747"W	3.17	
9610.00	91.080	183.650	7207.83	1642.28	-1496.37	868.06	40°10'04.524"N	104°51'41.810"W	2.85	
9699.00	92.030	183.600	7205.41	1728.04	-1585.15	862.43	40°10'03.646"N	104°51'41.883"W	1.07	
9788.00	90.740	181.400	7203.26	1814.25	-1674.04	858.55	40°10'02.768"N	104°51'41.933"W	2.86	
9877.00	90.710	180.900	7202.13	1900.97	-1763.01	856.76	40°10'01.889"N	104°51'41.956"W	0.56	
9966.00	91.630	180.950	7200.32	1987.77	-1851.98	855.33	40°10'01.009"N	104°51'41.974"W	1.04	
10055.00	90.460	179.900	7198.69	2074.73	-1940.96	854.67	40°10'00.130"N	104°51'41.983"W	1.77	
10145.00	89.600	178.600	7198.65	2163.06	-2030.95	855.85	40°09'59.241"N	104°51'41.968"W	1.73	
10234.00	90.000	180.150	7198.96	2250.37	-2119.94	856.82	40°09'58.361"N	104°51'41.955"W	1.80	
10323.00	90.060	180.450	7198.91	2337.39	-2208.94	856.35	40°09'57.482"N	104°51'41.961"W	0.34	
10412.00	90.180	179.340	7198.72	2424.54	-2297.94	856.51	40°09'56.602"N	104°51'41.959"W	1.25	
10501.00	89.010	179.810	7199.35	2511.79	-2386.93	857.17	40°09'55.723"N	104°51'41.951"W	1.42	
10590.00	88.710	181.340	7201.12	2598.70	-2475.91	856.28	40°09'54.844"N	104°51'41.962"W	1.75	
10679.00	89.420	181.440	7202.58	2685.34	-2564.87	854.12	40°09'53.965"N	104°51'41.990"W	0.81	

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 6 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

## WELLPATH DATA (137 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10768.00	90.460	181.280	7202.67	2772.00	-2653.84	852.01	40°09'53.085"N	104°51'42.018"W	1.18	
10857.00	91.320	180.870	7201.29	2858.75	-2742.81	850.34	40°09'52.206"N	104°51'42.039"W	1.07	
10946.00	89.080	180.710	7200.98	2945.60	-2831.80	849.11	40°09'51.327"N	104°51'42.055"W	2.52	
11035.00	89.880	180.850	7201.78	3032.46	-2920.79	847.90	40°09'50.447"N	104°51'42.071"W	0.91	
11124.00	90.650	180.810	7201.37	3119.31	-3009.78	846.61	40°09'49.568"N	104°51'42.087"W	0.87	
11214.00	91.570	180.500	7199.63	3207.17	-3099.75	845.58	40°09'48.679"N	104°51'42.101"W	1.08	
11302.00	90.150	179.870	7198.31	3293.24	-3187.74	845.30	40°09'47.809"N	104°51'42.104"W	1.77	
11392.00	90.000	178.670	7198.19	3381.56	-3277.73	846.45	40°09'46.920"N	104°51'42.090"W	1.34	
11481.00	90.520	180.040	7197.79	3468.88	-3366.72	847.45	40°09'46.041"N	104°51'42.077"W	1.65	
11570.00	91.200	180.000	7196.45	3555.98	-3455.71	847.42	40°09'45.161"N	104°51'42.077"W	0.77	
11659.00	88.490	181.540	7196.69	3642.83	-3544.69	846.22	40°09'44.282"N	104°51'42.093"W	3.50	
11748.00	88.800	181.070	7198.79	3729.49	-3633.64	844.20	40°09'43.403"N	104°51'42.119"W	0.63	
11837.00	90.490	181.670	7199.35	3816.14	-3722.61	842.07	40°09'42.524"N	104°51'42.146"W	2.01	
11926.00	91.170	180.810	7198.06	3902.84	-3811.58	840.14	40°09'41.645"N	104°51'42.171"W	1.23	
12016.00	92.030	180.700	7195.54	3990.65	-3901.54	838.96	40°09'40.756"N	104°51'42.186"W	0.96	
12055.00	92.400	180.640	7194.04	4028.70	-3940.50	838.50	40°09'40.371"N	104°51'42.192"W	0.96	LAST BHGE MWD SURVEY (512'FSL & 1504'FWL, SEC.02)
12102.00	92.400	180.640	7192.07	4074.56	-3987.46	837.98	40°09'39.907"N	104°51'42.199"W	0.00	PROJECTION TO BIT (465'FSL & 1504'FWL, SEC.02)

## HOLE & CASING SECTIONS - Ref Wellbore: ECHEVERRIA 2H-2H-D267 AWB Ref Wellpath: ECHEVERRIA 2H-2H-D267 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	28.00	2346.00	2318.00	28.00	2299.82	-0.01	0.00	336.95	231.45

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 7 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

## TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.02-T02N-R67W	-1.00	0.36	-50.02	3177475.48	1306149.69	40°10'19.314"N	104°51'53.636"W	polygon
ECHEVERRIA 2H-2H-D267 BHL REV-1 (460'FSL & 1500'FWL SEC.2)	7200.00	-3992.81	834.28	3178388.33	1302163.13	40°09'39.854"N	104°51'42.246"W	point

## WELLPATH COMPOSITION - Ref Wellbore: ECHEVERRIA 2H-2H-D267 AWB Ref Wellpath: ECHEVERRIA 2H-2H-D267 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	2356.00	ISCWSA MWD, Rev. 4 (Standard)	SURFACE SURVEYS FROM CRESTONE PEAK <172-2356>	ECHEVERRIA 2H-2H-D267 AWB
2356.00	12055.00	BHI NaviTrak (Rotating+Axial Corr)	BHGE NAVITRAK (ROTATING + AXIAL) 8 1/2" MONOBORE <2356 - 12055>	ECHEVERRIA 2H-2H-D267 AWB
12055.00	12102.00	Blind Drilling (std)	Projection to bit	ECHEVERRIA 2H-2H-D267 AWB

# Actual Wellpath Report

ECHEVERRIA 2H-2H-D267 AWP

Page 8 of 8



## REFERENCE WELLPATH IDENTIFICATION

Operator	CRESTONE PEAK RESOURCES OPERATING LLC	Slot	SLOT#06 ECHEVERRIA 2H-2H-D267 (898'FNL & 629'FWL SEC.2)
Area	COLORADO	Well	ECHEVERRIA 2H-2H-D267
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	ECHEVERRIA 2H-2H-D267 AWB
Facility	SEC.02-T02N-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
2356.00	12.200	33.110	2309.60	TIED TO 3RD PARTY SURFACE SURVEYS
2372.00	9.770	24.060	2325.30	FIRST BHGE MWD SURVEY
12055.00	92.400	180.640	7194.04	LAST BHGE MWD SURVEY (512'FSL & 1504'FWL, SEC.02)
12102.00	92.400	180.640	7192.07	PROJECTION TO BIT (465'FSL & 1504'FWL, SEC.02)