

Location:	COLORADO	Slot:	SLOT#08 VARRA #8(1563FSL & 787FWL,SEC.05)
Field:	WELD COUNTY (NAD83/TRUE NORTH)	Well:	VARRA #8
Facility:	SEC.05-T06N-R67W	Wellbore:	VARRA #8 PWB

Location Information						
Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.05-T06N-R67W			3160186.786	1430380.222	40°30'48.118"N	104°55'25.957"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT#08 VARRA #8(1563FSL & 787FWL,SEC.05)	-181.86	-1.16	3160186.809	1430198.368	40°30'46.321"N	104°55'25.972"W
SAVANNA 002 (RKB) to Mud line (At Slot: SLOT#08 VARRA #8(1563FSL & 787FWL,SEC.05))					4889ft	
Mean Sea Level to Mud line (At Slot: SLOT#08 VARRA #8(1563FSL & 787FWL,SEC.05))					0ft	
SAVANNA 002 (RKB) to Mean Sea Level					4889ft	

Survey Program					
Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
15.00	17282.13	NaviTrak	NaviTrak (Standard)		VARRA #8 PWB

Scale 1 inch = 1500 ft

True Vertical Depth (ft)

4500

5250

6000

6750

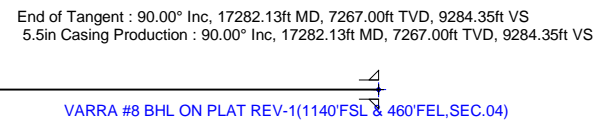
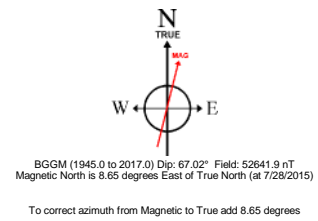
7500

-750 0 750 1500 2250 3000 3750 4500

End of Tangent : 10.70° Inc, 6675.12ft MD, 6591.35ft TVD, -879.54ft VS
10.00°/100ft

End of 3D Arc : 90.00° Inc, 7679.05ft MD, 7267.00ft TVD, -315.38ft VS

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Planned Wellpath Report

VARRA #8 (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 VARRA #8(1563'FSL & 787'FWL,SEC.05)
Area	COLORADO	Well	VARRA #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	VARRA #8 PWB
Facility	SEC.05-T06N-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	Ingmjmr
Scale	0.999967	Report Generated	7/31/2015 at 4:11:59 PM
Convergence at slot	0.37° East	Database/Source file	Denver/VARRA_#8_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-181.86	-1.16	3160186.81	1430198.37	40°30'46.321"N	104°55'25.972"W
Facility Reference Pt			3160186.79	1430380.22	40°30'48.118"N	104°55'25.957"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 (RKB) to Facility Vertical Datum	4889.00ft
Horizontal Reference Pt	Slot	SAVANNA 802 (RKB) to Mean Sea Level	4889.00ft
Vertical Reference Pt	SAVANNA 802 (RKB)	SAVANNA 802 (RKB) to Mud Line at Slot (SLOT#08 VARRA #8(1563'FSL & 787'FWL,SEC.05))	4889.00ft
MD Reference Pt	SAVANNA 802 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	91.64°



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VARRA #8 (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

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Facility	SEC.05-T06N-R67W		

WELLPATH DATA (179 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	256.480	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	256.480	15.00	0.00	0.00	0.00	0.00	Tie On
115.00†	0.000	256.480	115.00	0.00	0.00	0.00	0.00	
215.00†	0.000	256.480	215.00	0.00	0.00	0.00	0.00	
315.00†	0.000	256.480	315.00	0.00	0.00	0.00	0.00	
415.00†	0.000	256.480	415.00	0.00	0.00	0.00	0.00	
515.00†	0.000	256.480	515.00	0.00	0.00	0.00	0.00	
615.00†	0.000	256.480	615.00	0.00	0.00	0.00	0.00	
715.00†	0.000	256.480	715.00	0.00	0.00	0.00	0.00	
815.00†	0.000	256.480	815.00	0.00	0.00	0.00	0.00	
915.00†	0.000	256.480	915.00	0.00	0.00	0.00	0.00	
1015.00†	0.000	256.480	1015.00	0.00	0.00	0.00	0.00	
1115.00†	0.000	256.480	1115.00	0.00	0.00	0.00	0.00	
1215.00†	0.000	256.480	1215.00	0.00	0.00	0.00	0.00	
1315.00†	0.000	256.480	1315.00	0.00	0.00	0.00	0.00	
1415.00†	0.000	256.480	1415.00	0.00	0.00	0.00	0.00	
1500.00	0.000	256.480	1500.00	0.00	0.00	0.00	0.00	End of Tangent
1515.00†	0.300	256.480	1515.00	-0.04	-0.01	-0.04	2.00	
1615.00†	2.300	256.480	1614.97	-2.23	-0.54	-2.24	2.00	
1715.00†	4.300	256.480	1714.80	-7.78	-1.89	-7.84	2.00	
1815.00†	6.300	256.480	1814.37	-16.70	-4.04	-16.82	2.00	
1915.00†	8.300	256.480	1913.55	-28.96	-7.02	-29.17	2.00	
2015.00†	10.300	256.480	2012.23	-44.56	-10.79	-44.89	2.00	
2034.96	10.699	256.480	2031.85	-48.07	-11.64	-48.42	2.00	End of Build
2115.00†	10.699	256.480	2110.50	-62.41	-15.12	-62.87	0.00	
2215.00†	10.699	256.480	2208.77	-80.33	-19.46	-80.92	0.00	
2315.00†	10.699	256.480	2307.03	-98.25	-23.80	-98.97	0.00	
2415.00†	10.699	256.480	2405.29	-116.17	-28.14	-117.02	0.00	
2515.00†	10.699	256.480	2503.55	-134.09	-32.48	-135.07	0.00	
2615.00†	10.699	256.480	2601.81	-152.01	-36.82	-153.12	0.00	



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VARRA #8 (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 VARRA #8(1563'FSL & 787'FWL,SEC.05)
Area	COLORADO	Well	VARRA #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	VARRA #8 PWB
Facility	SEC.05-T06N-R67W		

WELLPATH DATA (179 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2715.00†	10.699	256.480	2700.07	-169.93	-41.16	-171.18	0.00	
2815.00†	10.699	256.480	2798.34	-187.84	-45.50	-189.23	0.00	
2915.00†	10.699	256.480	2896.60	-205.76	-49.84	-207.28	0.00	
3015.00†	10.699	256.480	2994.86	-223.68	-54.18	-225.33	0.00	
3115.00†	10.699	256.480	3093.12	-241.60	-58.52	-243.38	0.00	
3215.00†	10.699	256.480	3191.38	-259.52	-62.86	-261.43	0.00	
3315.00†	10.699	256.480	3289.64	-277.44	-67.20	-279.48	0.00	
3415.00†	10.699	256.480	3387.91	-295.36	-71.54	-297.53	0.00	
3515.00†	10.699	256.480	3486.17	-313.28	-75.88	-315.58	0.00	
3615.00†	10.699	256.480	3584.43	-331.20	-80.22	-333.63	0.00	
3715.00†	10.699	256.480	3682.69	-349.12	-84.56	-351.68	0.00	
3815.00†	10.699	256.480	3780.95	-367.03	-88.90	-369.73	0.00	
3915.00†	10.699	256.480	3879.21	-384.95	-93.25	-387.78	0.00	
4015.00†	10.699	256.480	3977.47	-402.87	-97.59	-405.83	0.00	
4115.00†	10.699	256.480	4075.74	-420.79	-101.93	-423.89	0.00	
4215.00†	10.699	256.480	4174.00	-438.71	-106.27	-441.94	0.00	
4315.00†	10.699	256.480	4272.26	-456.63	-110.61	-459.99	0.00	
4415.00†	10.699	256.480	4370.52	-474.55	-114.95	-478.04	0.00	
4515.00†	10.699	256.480	4468.78	-492.47	-119.29	-496.09	0.00	
4615.00†	10.699	256.480	4567.04	-510.39	-123.63	-514.14	0.00	
4715.00†	10.699	256.480	4665.31	-528.30	-127.97	-532.19	0.00	
4815.00†	10.699	256.480	4763.57	-546.22	-132.31	-550.24	0.00	
4915.00†	10.699	256.480	4861.83	-564.14	-136.65	-568.29	0.00	
5015.00†	10.699	256.480	4960.09	-582.06	-140.99	-586.34	0.00	
5115.00†	10.699	256.480	5058.35	-599.98	-145.33	-604.39	0.00	
5215.00†	10.699	256.480	5156.61	-617.90	-149.67	-622.44	0.00	
5315.00†	10.699	256.480	5254.87	-635.82	-154.01	-640.49	0.00	
5415.00†	10.699	256.480	5353.14	-653.74	-158.35	-658.54	0.00	
5515.00†	10.699	256.480	5451.40	-671.66	-162.69	-676.60	0.00	
5615.00†	10.699	256.480	5549.66	-689.58	-167.03	-694.65	0.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 VARRA #8(1563'FSL & 787'FWL,SEC.05)
Area	COLORADO	Well	VARRA #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	VARRA #8 PWB
Facility	SEC.05-T06N-R67W		

WELLPATH DATA (179 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5715.00†	10.699	256.480	5647.92	-707.49	-171.37	-712.70	0.00	
5815.00†	10.699	256.480	5746.18	-725.41	-175.71	-730.75	0.00	
5915.00†	10.699	256.480	5844.44	-743.33	-180.05	-748.80	0.00	
6015.00†	10.699	256.480	5942.71	-761.25	-184.39	-766.85	0.00	
6115.00†	10.699	256.480	6040.97	-779.17	-188.73	-784.90	0.00	
6215.00†	10.699	256.480	6139.23	-797.09	-193.08	-802.95	0.00	
6315.00†	10.699	256.480	6237.49	-815.01	-197.42	-821.00	0.00	
6415.00†	10.699	256.480	6335.75	-832.93	-201.76	-839.05	0.00	
6515.00†	10.699	256.480	6434.01	-850.85	-206.10	-857.10	0.00	
6615.00†	10.699	256.480	6532.27	-868.76	-210.44	-875.15	0.00	
6675.12	10.699	256.480	6591.35	-879.54	-213.05	-886.01	0.00	End of Tangent
6715.00†	6.893	248.488	6630.75	-885.31	-214.79	-891.83	10.00	
6815.00†	4.408	125.465	6730.50	-887.64	-219.23	-894.29	10.00	
6915.00†	13.828	100.565	6829.15	-872.61	-223.66	-879.38	10.00	
7015.00†	23.725	95.951	6923.72	-840.66	-227.95	-847.54	10.00	
7115.00†	33.680	93.965	7011.32	-792.77	-231.96	-799.75	10.00	
7215.00†	43.654	92.807	7089.30	-730.40	-235.58	-737.46	10.00	
7315.00†	53.637	92.010	7155.29	-655.44	-238.69	-662.55	10.00	
7415.00†	63.623	91.396	7207.28	-570.17	-241.20	-577.32	10.00	
7515.00†	73.611	90.880	7243.70	-477.17	-243.03	-484.34	10.00	
7615.00†	83.601	90.415	7263.43	-379.28	-244.13	-386.44	10.00	
7679.05	90.000	90.129	7267.00 [†]	-315.38	-244.44	-322.52	10.00	End of 3D Arc
7715.00†	90.000	90.129	7267.00	-279.45	-244.52	-286.57	0.00	
7815.00†	90.000	90.129	7267.00	-179.48	-244.74	-186.57	0.00	
7915.00†	90.000	90.129	7267.00	-79.52	-244.97	-86.57	0.00	
8015.00†	90.000	90.129	7267.00	20.45	-245.19	13.43	0.00	
8115.00†	90.000	90.129	7267.00	120.41	-245.42	113.43	0.00	
8215.00†	90.000	90.129	7267.00	220.38	-245.64	213.43	0.00	
8315.00†	90.000	90.129	7267.00	320.34	-245.86	313.43	0.00	
8415.00†	90.000	90.129	7267.00	420.31	-246.09	413.43	0.00	



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Facility	SEC.05-T06N-R67W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8515.00†	90.000	90.129	7267.00	520.27	-246.31	513.43	0.00	
8615.00†	90.000	90.129	7267.00	620.24	-246.54	613.43	0.00	
8715.00†	90.000	90.129	7267.00	720.20	-246.76	713.43	0.00	
8815.00†	90.000	90.129	7267.00	820.17	-246.99	813.43	0.00	
8915.00†	90.000	90.129	7267.00	920.13	-247.21	913.43	0.00	
9015.00†	90.000	90.129	7267.00	1020.10	-247.44	1013.43	0.00	
9115.00†	90.000	90.129	7267.00	1120.06	-247.66	1113.43	0.00	
9215.00†	90.000	90.129	7267.00	1220.03	-247.89	1213.43	0.00	
9315.00†	90.000	90.129	7267.00	1319.99	-248.11	1313.43	0.00	
9415.00†	90.000	90.129	7267.00	1419.96	-248.34	1413.43	0.00	
9515.00†	90.000	90.129	7267.00	1519.92	-248.56	1513.42	0.00	
9615.00†	90.000	90.129	7267.00	1619.89	-248.78	1613.42	0.00	
9715.00†	90.000	90.129	7267.00	1719.86	-249.01	1713.42	0.00	
9815.00†	90.000	90.129	7267.00	1819.82	-249.23	1813.42	0.00	
9915.00†	90.000	90.129	7267.00	1919.79	-249.46	1913.42	0.00	
10015.00†	90.000	90.129	7267.00	2019.75	-249.68	2013.42	0.00	
10115.00†	90.000	90.129	7267.00	2119.72	-249.91	2113.42	0.00	
10215.00†	90.000	90.129	7267.00	2219.68	-250.13	2213.42	0.00	
10315.00†	90.000	90.129	7267.00	2319.65	-250.36	2313.42	0.00	
10415.00†	90.000	90.129	7267.00	2419.61	-250.58	2413.42	0.00	
10515.00†	90.000	90.129	7267.00	2519.58	-250.81	2513.42	0.00	
10615.00†	90.000	90.129	7267.00	2619.54	-251.03	2613.42	0.00	
10715.00†	90.000	90.129	7267.00	2719.51	-251.26	2713.42	0.00	
10815.00†	90.000	90.129	7267.00	2819.47	-251.48	2813.42	0.00	
10915.00†	90.000	90.129	7267.00	2919.44	-251.70	2913.42	0.00	
11015.00†	90.000	90.129	7267.00	3019.40	-251.93	3013.42	0.00	
11115.00†	90.000	90.129	7267.00	3119.37	-252.15	3113.42	0.00	
11215.00†	90.000	90.129	7267.00	3219.33	-252.38	3213.42	0.00	
11315.00†	90.000	90.129	7267.00	3319.30	-252.60	3313.42	0.00	
11415.00†	90.000	90.129	7267.00	3419.26	-252.83	3413.42	0.00	



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VARRA #8 (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
11515.00†	90.000	90.129	7267.00	3519.23	-253.05	3513.42	0.00	
11615.00†	90.000	90.129	7267.00	3619.19	-253.28	3613.42	0.00	
11715.00†	90.000	90.129	7267.00	3719.16	-253.50	3713.42	0.00	
11815.00†	90.000	90.129	7267.00	3819.12	-253.73	3813.42	0.00	
11915.00†	90.000	90.129	7267.00	3919.09	-253.95	3913.42	0.00	
12015.00†	90.000	90.129	7267.00	4019.05	-254.18	4013.42	0.00	
12115.00†	90.000	90.129	7267.00	4119.02	-254.40	4113.42	0.00	
12215.00†	90.000	90.129	7267.00	4218.98	-254.63	4213.42	0.00	
12315.00†	90.000	90.129	7267.00	4318.95	-254.85	4313.42	0.00	
12415.00†	90.000	90.129	7267.00	4418.91	-255.07	4413.42	0.00	
12515.00†	90.000	90.129	7267.00	4518.88	-255.30	4513.42	0.00	
12615.00†	90.000	90.129	7267.00	4618.84	-255.52	4613.42	0.00	
12715.00†	90.000	90.129	7267.00	4718.81	-255.75	4713.42	0.00	
12815.00†	90.000	90.129	7267.00	4818.77	-255.97	4813.42	0.00	
12915.00†	90.000	90.129	7267.00	4918.74	-256.20	4913.42	0.00	
13015.00†	90.000	90.129	7267.00	5018.70	-256.42	5013.42	0.00	
13115.00†	90.000	90.129	7267.00	5118.67	-256.65	5113.42	0.00	
13215.00†	90.000	90.129	7267.00	5218.63	-256.87	5213.42	0.00	
13315.00†	90.000	90.129	7267.00	5318.60	-257.10	5313.42	0.00	
13415.00†	90.000	90.129	7267.00	5418.57	-257.32	5413.41	0.00	
13515.00†	90.000	90.129	7267.00	5518.53	-257.55	5513.41	0.00	
13615.00†	90.000	90.129	7267.00	5618.50	-257.77	5613.41	0.00	
13715.00†	90.000	90.129	7267.00	5718.46	-257.99	5713.41	0.00	
13815.00†	90.000	90.129	7267.00	5818.43	-258.22	5813.41	0.00	
13915.00†	90.000	90.129	7267.00	5918.39	-258.44	5913.41	0.00	
14015.00†	90.000	90.129	7267.00	6018.36	-258.67	6013.41	0.00	
14115.00†	90.000	90.129	7267.00	6118.32	-258.89	6113.41	0.00	
14215.00†	90.000	90.129	7267.00	6218.29	-259.12	6213.41	0.00	
14315.00†	90.000	90.129	7267.00	6318.25	-259.34	6313.41	0.00	
14415.00†	90.000	90.129	7267.00	6418.22	-259.57	6413.41	0.00	



Planned Wellpath Report

VARRA #8 (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 VARRA #8(1563'FSL & 787'FWL,SEC.05)
Area	COLORADO	Well	VARRA #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	VARRA #8 PWB
Facility	SEC.05-T06N-R67W		

WELLPATH DATA (179 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
14515.00†	90.000	90.129	7267.00	6518.18	-259.79	6513.41	0.00	
14615.00†	90.000	90.129	7267.00	6618.15	-260.02	6613.41	0.00	
14715.00†	90.000	90.129	7267.00	6718.11	-260.24	6713.41	0.00	
14815.00†	90.000	90.129	7267.00	6818.08	-260.47	6813.41	0.00	
14915.00†	90.000	90.129	7267.00	6918.04	-260.69	6913.41	0.00	
15015.00†	90.000	90.129	7267.00	7018.01	-260.92	7013.41	0.00	
15115.00†	90.000	90.129	7267.00	7117.97	-261.14	7113.41	0.00	
15215.00†	90.000	90.129	7267.00	7217.94	-261.36	7213.41	0.00	
15315.00†	90.000	90.129	7267.00	7317.90	-261.59	7313.41	0.00	
15415.00†	90.000	90.129	7267.00	7417.87	-261.81	7413.41	0.00	
15515.00†	90.000	90.129	7267.00	7517.83	-262.04	7513.41	0.00	
15615.00†	90.000	90.129	7267.00	7617.80	-262.26	7613.41	0.00	
15715.00†	90.000	90.129	7267.00	7717.76	-262.49	7713.41	0.00	
15815.00†	90.000	90.129	7267.00	7817.73	-262.71	7813.41	0.00	
15915.00†	90.000	90.129	7267.00	7917.69	-262.94	7913.41	0.00	
16015.00†	90.000	90.129	7267.00	8017.66	-263.16	8013.41	0.00	
16115.00†	90.000	90.129	7267.00	8117.62	-263.39	8113.41	0.00	
16215.00†	90.000	90.129	7267.00	8217.59	-263.61	8213.41	0.00	
16315.00†	90.000	90.129	7267.00	8317.55	-263.84	8313.41	0.00	
16415.00†	90.000	90.129	7267.00	8417.52	-264.06	8413.41	0.00	
16515.00†	90.000	90.129	7267.00	8517.48	-264.28	8513.41	0.00	
16615.00†	90.000	90.129	7267.00	8617.45	-264.51	8613.41	0.00	
16715.00†	90.000	90.129	7267.00	8717.41	-264.73	8713.41	0.00	
16815.00†	90.000	90.129	7267.00	8817.38	-264.96	8813.41	0.00	
16915.00†	90.000	90.129	7267.00	8917.34	-265.18	8913.41	0.00	
17015.00†	90.000	90.129	7267.00	9017.31	-265.41	9013.41	0.00	
17115.00†	90.000	90.129	7267.00	9117.27	-265.63	9113.41	0.00	
17215.00†	90.000	90.129	7267.00	9217.24	-265.86	9213.41	0.00	
17282.13	90.000	90.129	7267.00 ²	9284.35	-266.01	9280.54	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: VARRA #8 PWB Ref Wellpath: VARRA #8 (REV-B.0) PWP

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]
7.875in Open Hole	1500.00	17282.13	15782.13	1500.00	7267.00	0.00	0.00	-266.01	9280.54
5.5in Casing Production	15.00	17282.13	17267.13	15.00	7267.00	0.00	0.00	-266.01	9280.54

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
VARRA PAD SECTION 04		-9.00	181.82	1.14	3160186.77	1430380.18	40°30'48.118"N	104°55'25.957"W	polygon
VARRA PAD SECTION 05		-9.00	181.82	1.14	3160186.77	1430380.18	40°30'48.118"N	104°55'25.957"W	polygon
2) VARRA #8 BHL ON PLAT REV-1(1140'FSL &	17282.13	7267.00	-266.01	9280.54	3169468.56	1429992.67	40°30'43.675"N	104°53'25.818"W	point

460'FEL,SEC.04)									
1) VARRA #8 LANDING POINT	7679.05	7267.00	-244.44	-322.52	3159865.90	1429951.85	40°30'43.906"N	104°55'30.148"W	point
VARRA PAD SOUTH 1/2 HARDLINES(460'SETBACKS)		7411.00	181.82	1.14	3160186.77	1430380.18	40°30'48.118"N	104°55'25.957"W	polygon

SURVEY PROGRAM - Ref Wellbore: VARRA #8 PWB					Ref Wellpath: VARRA #8 (REV-B.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model			Log Name/Comment			Wellbore	
15.00	17282.13	NaviTrak (Standard)						VARRA #8 PWB	



Planned Wellpath Report

VARRA #8 (REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EXTRACTION OIL & GAS	Slot	SLOT#08 VARRA #8(1563'FSL & 787'FWL,SEC.05)
Area	COLORADO	Well	VARRA #8
Field	WELD COUNTY (NAD83/TRUE NORTH)	Wellbore	VARRA #8 PWB
Facility	SEC.05-T06N-R67W		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
15.00	0.000	256.480	15.00	Tie On
1500.00	0.000	256.480	1500.00	End of Tangent
2034.96	10.699	256.480	2031.85	End of Build
6675.12	10.699	256.480	6591.35	End of Tangent
7679.05	90.000	90.129	7267.00	End of 3D Arc
17282.13	90.000	90.129	7267.00	End of Tangent