

BONANZA CREEK OIL COMPANY

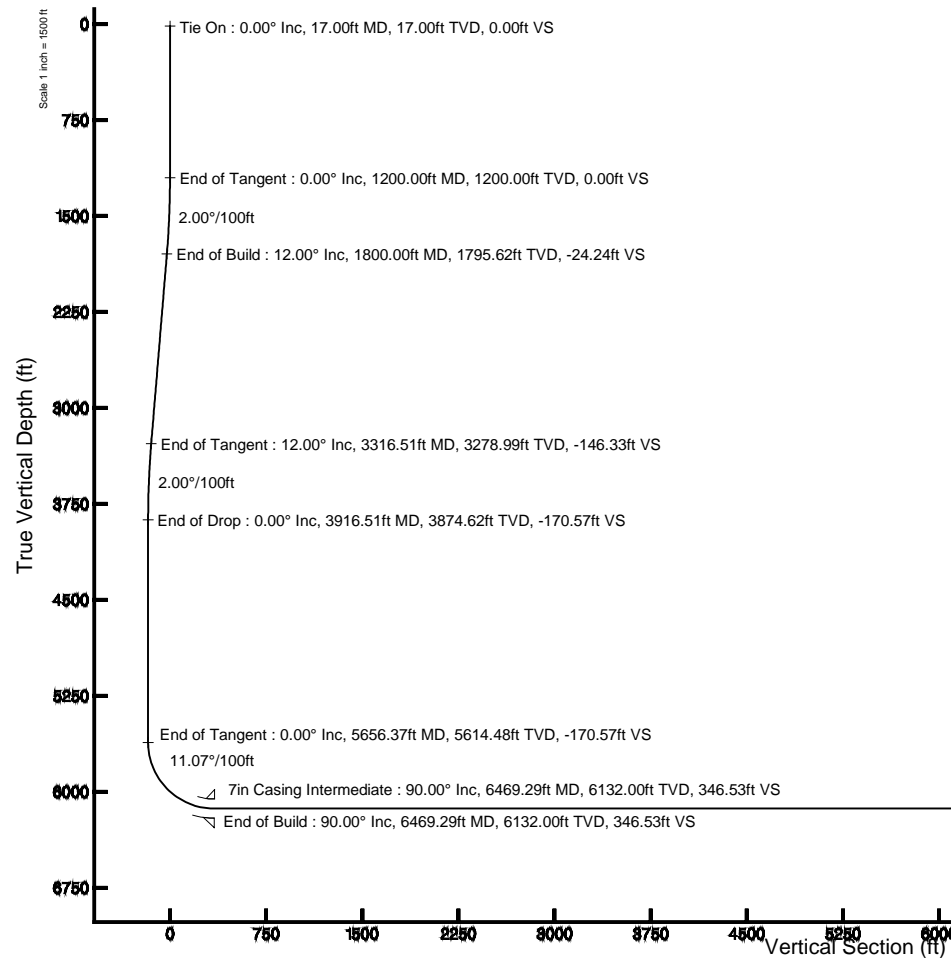
Location: COLORADO Slot: SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
 Field: WELD COUNTY Well: PRONGHORN K-5-8XRLNB
 Facility: SEC.05-T5N-R61W Wellbore: PRONGHORN K-5-8XRLNB PWB

Plot reference wellpath is PRONGHORN K-5-8XRLNB (REV-A.0) PWB

True vertical depths are referenced to RIG (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to RIG (RKB)	North Reference: True north
RIG (RKB) to Mean Sea Level: 4675 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: guslain on 7/31/2014

Location Information

Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude		
SEC.05-T5N-R61W	3352971.931	1404526.872	40°26'12.840"N	104°13'54.876"W		
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)	0.00	0.00	3352971.931	1404526.872	40°26'12.840"N	104°13'54.876"W
RIG (RKB) to Mud line (At Slot: SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5))					4675ft	
Mean Sea Level to Mud line (At Slot: SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5))					0ft	
RIG (RKB) to Mean Sea Level					4675ft	



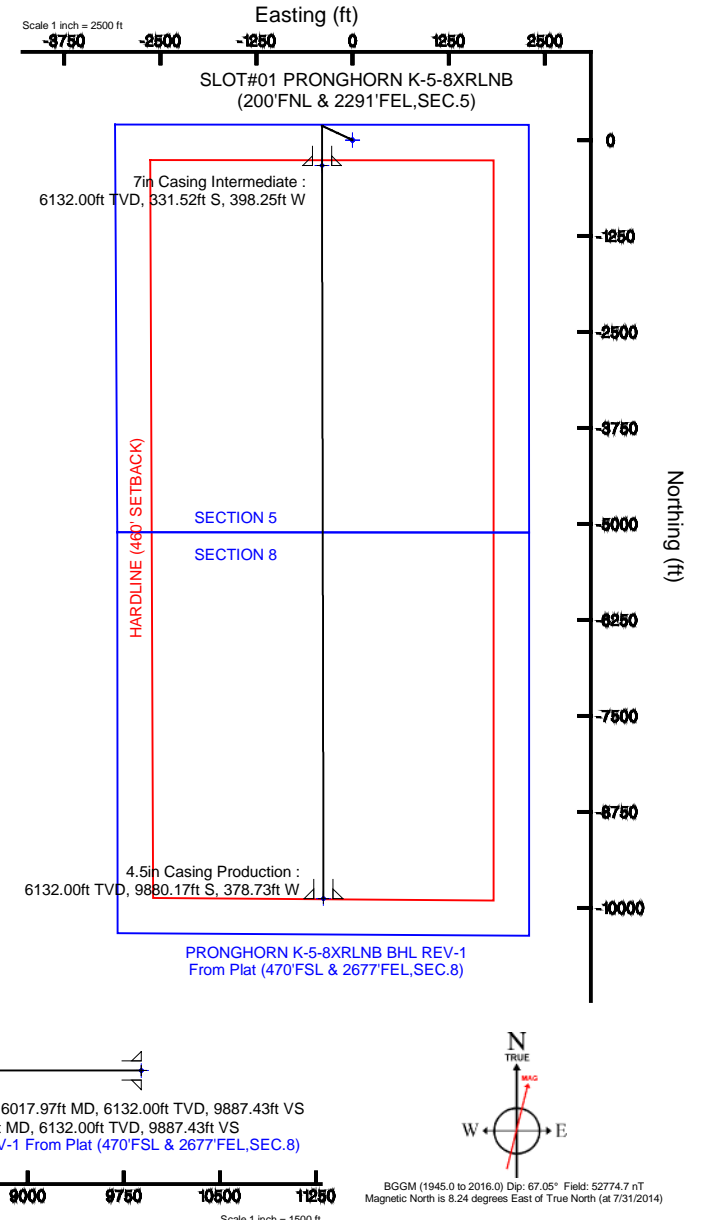
Azimuth 182.20° with reference 0.00 N, 0.00 E

Well Profile Data

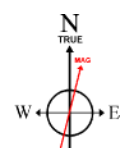
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	17.00	0.000	294.976	17.00	0.00	0.00	0.00	0.00
End of Tangent	1200.00	0.000	294.976	1200.00	0.00	0.00	0.00	0.00
End of Build	1800.00	12.000	294.976	1795.62	26.43	-56.75	2.00	-24.24
End of Tangent	3316.51	12.000	294.976	3278.99	159.57	-342.56	0.00	-146.33
End of Drop	3916.51	0.000	179.883	3874.62	186.00	-399.31	2.00	-170.57
End of Tangent	5656.37	0.000	179.883	5614.48	186.00	-399.31	0.00	-170.57
End of Build	6469.29	90.000	179.883	6132.00	-331.52	-398.25	11.07	346.53
End of Tangent	16017.97	90.000	179.883	6132.00	-9880.17	-378.73	0.00	9887.43

Survey Program

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
17.00	16017.97	NavTrak	NavTrak (Standard)		PRONGHORN K-5-8XRLNB PWB



PRONGHORN K-5-8XRLNB BHL REV-1
From Plat (470'FSL & 2677'FEL,SEC.8)



BGM (1945.0 to 2016.0) Dip: 67.05° Field: 52774.7 nT
Magnetic North is 8.24 degrees East of True North (at 7/31/2014)

To correct azimuth from Magnetic to True add 8.24 degrees



Planned Wellpath Report

PRONGHORN K-5-8XRLNB (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Guenaler
Scale	0.999962	Report Generated	7/31/2014 at 12:48:24 PM
Convergence at slot	n/a	Database/Source file	WA_Denver/PRONGHORN_K-5-8XRLNB_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	3352971.93	1404526.87	40°26'12.840"N	104°13'54.876"W
Facility Reference Pt			3352971.93	1404526.87	40°26'12.840"N	104°13'54.876"W
Field Reference Pt			3327718.19	1377782.99	40°21'52.020"N	104°19'26.040"W

WELLPATH DATUM			
Calculation method	Minimum curvature	RIG (RKB) to Facility Vertical Datum	4675.00ft
Horizontal Reference Pt	Slot	RIG (RKB) to Mean Sea Level	4675.00ft
Vertical Reference Pt	RIG (RKB)	RIG (RKB) to Mud Line at Slot (SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5))	4675.00ft
MD Reference Pt	RIG (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	182.20°



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REFERENCE WELLPATH IDENTIFICATION			
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Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	294.976	0.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
17.00	0.000	294.976	17.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	Tie On
117.00†	0.000	294.976	117.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
217.00†	0.000	294.976	217.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
317.00†	0.000	294.976	317.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
417.00†	0.000	294.976	417.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
517.00†	0.000	294.976	517.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
617.00†	0.000	294.976	617.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
717.00†	0.000	294.976	717.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
817.00†	0.000	294.976	817.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
917.00†	0.000	294.976	917.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
1017.00†	0.000	294.976	1017.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
1117.00†	0.000	294.976	1117.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	
1200.00	0.000	294.976	1200.00	0.00	0.00	0.00	40°26'12.840"N	104°13'54.876"W	0.00	End of Tangent
1217.00†	0.340	294.976	1217.00	-0.02	0.02	-0.05	40°26'12.840"N	104°13'54.877"W	2.00	
1317.00†	2.340	294.976	1316.97	-0.92	1.01	-2.17	40°26'12.850"N	104°13'54.904"W	2.00	
1417.00†	4.340	294.976	1416.79	-3.18	3.47	-7.45	40°26'12.874"N	104°13'54.972"W	2.00	
1517.00†	6.340	294.976	1516.35	-6.78	7.40	-15.88	40°26'12.913"N	104°13'55.081"W	2.00	
1617.00†	8.340	294.976	1615.53	-11.73	12.79	-27.46	40°26'12.966"N	104°13'55.231"W	2.00	
1717.00†	10.340	294.976	1714.20	-18.01	19.64	-42.17	40°26'13.034"N	104°13'55.421"W	2.00	
1800.00	12.000	294.976	1795.62	-24.24	26.43	-56.75	40°26'13.101"N	104°13'55.610"W	2.00	End of Build
1817.00†	12.000	294.976	1812.25	-25.61	27.93	-59.95	40°26'13.116"N	104°13'55.651"W	0.00	
1917.00†	12.000	294.976	1910.07	-33.66	36.70	-78.80	40°26'13.203"N	104°13'55.895"W	0.00	
2017.00†	12.000	294.976	2007.88	-41.71	45.48	-97.65	40°26'13.289"N	104°13'56.139"W	0.00	
2117.00†	12.000	294.976	2105.70	-49.76	54.26	-116.49	40°26'13.376"N	104°13'56.383"W	0.00	
2217.00†	12.000	294.976	2203.51	-57.81	63.04	-135.34	40°26'13.463"N	104°13'56.626"W	0.00	
2317.00†	12.000	294.976	2301.33	-65.86	71.82	-154.19	40°26'13.550"N	104°13'56.870"W	0.00	
2417.00†	12.000	294.976	2399.14	-73.91	80.60	-173.03	40°26'13.636"N	104°13'57.114"W	0.00	
2517.00†	12.000	294.976	2496.95	-81.96	89.38	-191.88	40°26'13.723"N	104°13'57.357"W	0.00	
2617.00†	12.000	294.976	2594.77	-90.01	98.16	-210.73	40°26'13.810"N	104°13'57.601"W	0.00	



Planned Wellpath Report

PRONGHORN K-5-8XRLNB (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2717.00†	12.000	294.976	2692.58	-98.06	106.94	-229.57	40°26'13.897"N	104°13'57.845"W	0.00	
2817.00†	12.000	294.976	2790.40	-106.11	115.72	-248.42	40°26'13.983"N	104°13'58.089"W	0.00	
2917.00†	12.000	294.976	2888.21	-114.17	124.49	-267.27	40°26'14.070"N	104°13'58.332"W	0.00	
3017.00†	12.000	294.976	2986.03	-122.22	133.27	-286.11	40°26'14.157"N	104°13'58.576"W	0.00	
3117.00†	12.000	294.976	3083.84	-130.27	142.05	-304.96	40°26'14.244"N	104°13'58.820"W	0.00	
3217.00†	12.000	294.976	3181.66	-138.32	150.83	-323.81	40°26'14.330"N	104°13'59.064"W	0.00	
3316.51	12.000	294.976	3278.99	-146.33	159.57	-342.56	40°26'14.417"N	104°13'59.306"W	0.00	End of Tangent
3317.00†	11.990	294.976	3279.47	-146.37	159.61	-342.65	40°26'14.417"N	104°13'59.307"W	2.00	
3417.00†	9.990	294.976	3377.63	-153.75	167.66	-359.93	40°26'14.497"N	104°13'59.531"W	2.00	
3517.00†	7.990	294.976	3476.40	-159.80	174.26	-374.10	40°26'14.562"N	104°13'59.714"W	2.00	
3617.00†	5.990	294.976	3575.65	-164.51	179.40	-385.13	40°26'14.613"N	104°13'59.857"W	2.00	
3717.00†	3.990	294.976	3675.27	-167.88	183.07	-393.02	40°26'14.649"N	104°13'59.959"W	2.00	
3817.00†	1.990	294.976	3775.13	-169.90	185.27	-397.74	40°26'14.671"N	104°14'00.020"W	2.00	
3916.51	0.000	179.883	3874.62	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	2.00	End of Drop
3917.00†	0.000	179.883	3875.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4017.00†	0.000	179.883	3975.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4117.00†	0.000	179.883	4075.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4217.00†	0.000	179.883	4175.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4317.00†	0.000	179.883	4275.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4417.00†	0.000	179.883	4375.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4517.00†	0.000	179.883	4475.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4617.00†	0.000	179.883	4575.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4717.00†	0.000	179.883	4675.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4817.00†	0.000	179.883	4775.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
4917.00†	0.000	179.883	4875.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
5017.00†	0.000	179.883	4975.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
5117.00†	0.000	179.883	5075.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
5217.00†	0.000	179.883	5175.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
5317.00†	0.000	179.883	5275.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
5417.00†	0.000	179.883	5375.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	



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Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5517.00†	0.000	179.883	5475.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
5617.00†	0.000	179.883	5575.11	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	
5656.37	0.000	179.883	5614.48	-170.57	186.00	-399.31	40°26'14.678"N	104°14'00.040"W	0.00	End of Tangent
5717.00†	6.712	179.883	5674.97	-167.02	182.45	-399.30	40°26'14.643"N	104°14'00.040"W	11.07	
5817.00†	17.783	179.883	5772.54	-145.86	161.27	-399.26	40°26'14.434"N	104°14'00.039"W	11.07	
5917.00†	28.855	179.883	5864.23	-106.37	121.75	-399.18	40°26'14.043"N	104°14'00.038"W	11.07	
6017.00†	39.926	179.883	5946.62	-50.02	65.35	-399.06	40°26'13.486"N	104°14'00.037"W	11.07	
6117.00†	50.997	179.883	6016.65	21.09	-5.81	-398.92	40°26'12.783"N	104°14'00.035"W	11.07	
6217.00†	62.068	179.883	6071.71	104.31	-89.10	-398.75	40°26'11.959"N	104°14'00.033"W	11.07	
6317.00†	73.139	179.883	6109.75	196.55	-181.42	-398.56	40°26'11.047"N	104°14'00.030"W	11.07	
6417.00†	84.211	179.883	6129.36	294.37	-279.32	-398.36	40°26'10.080"N	104°14'00.028"W	11.07	
6469.29	90.000	179.883	6132.00	346.53	-331.52	-398.25	40°26'09.564"N	104°14'00.026"W	11.07	End of Build
6517.00†	90.000	179.883	6132.00	394.20	-379.23	-398.15	40°26'09.093"N	104°14'00.025"W	0.00	
6617.00†	90.000	179.883	6132.00	494.12	-479.23	-397.95	40°26'08.104"N	104°14'00.022"W	0.00	
6717.00†	90.000	179.883	6132.00	594.04	-579.23	-397.75	40°26'07.116"N	104°14'00.020"W	0.00	
6817.00†	90.000	179.883	6132.00	693.96	-679.23	-397.54	40°26'06.128"N	104°14'00.017"W	0.00	
6917.00†	90.000	179.883	6132.00	793.87	-779.23	-397.34	40°26'05.140"N	104°14'00.014"W	0.00	
7017.00†	90.000	179.883	6132.00	893.79	-879.23	-397.13	40°26'04.152"N	104°14'00.012"W	0.00	
7117.00†	90.000	179.883	6132.00	993.71	-979.23	-396.93	40°26'03.164"N	104°14'00.009"W	0.00	
7217.00†	90.000	179.883	6132.00	1093.63	-1079.23	-396.72	40°26'02.176"N	104°14'00.006"W	0.00	
7317.00†	90.000	179.883	6132.00	1193.55	-1179.23	-396.52	40°26'01.187"N	104°14'00.004"W	0.00	
7417.00†	90.000	179.883	6132.00	1293.47	-1279.23	-396.32	40°26'00.199"N	104°14'00.001"W	0.00	
7517.00†	90.000	179.883	6132.00	1393.39	-1379.23	-396.11	40°25'59.211"N	104°14'00.000"W	0.00	
7617.00†	90.000	179.883	6132.00	1493.30	-1479.23	-395.91	40°25'58.223"N	104°14'00.000"W	0.00	
7717.00†	90.000	179.883	6132.00	1593.22	-1579.23	-395.70	40°25'57.235"N	104°13'59.993"W	0.00	
7817.00†	90.000	179.883	6132.00	1693.14	-1679.22	-395.50	40°25'56.247"N	104°13'59.990"W	0.00	
7917.00†	90.000	179.883	6132.00	1793.06	-1779.22	-395.29	40°25'55.258"N	104°13'59.988"W	0.00	
8017.00†	90.000	179.883	6132.00	1892.98	-1879.22	-395.09	40°25'54.270"N	104°13'59.985"W	0.00	
8117.00†	90.000	179.883	6132.00	1992.90	-1979.22	-394.88	40°25'53.282"N	104°13'59.982"W	0.00	
8217.00†	90.000	179.883	6132.00	2092.82	-2079.22	-394.68	40°25'52.294"N	104°13'59.980"W	0.00	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8317.00†	90.000	179.883	6132.00	2192.73	-2179.22	-394.48	40°25'51.306"N	104°13'59.977"W	0.00	
8417.00†	90.000	179.883	6132.00	2292.65	-2279.22	-394.27	40°25'50.318"N	104°13'59.974"W	0.00	
8517.00†	90.000	179.883	6132.00	2392.57	-2379.22	-394.07	40°25'49.329"N	104°13'59.972"W	0.00	
8617.00†	90.000	179.883	6132.00	2492.49	-2479.22	-393.86	40°25'48.341"N	104°13'59.969"W	0.00	
8717.00†	90.000	179.883	6132.00	2592.41	-2579.22	-393.66	40°25'47.353"N	104°13'59.966"W	0.00	
8817.00†	90.000	179.883	6132.00	2692.33	-2679.22	-393.45	40°25'46.365"N	104°13'59.964"W	0.00	
8917.00†	90.000	179.883	6132.00	2792.25	-2779.22	-393.25	40°25'45.377"N	104°13'59.961"W	0.00	
9017.00†	90.000	179.883	6132.00	2892.16	-2879.22	-393.04	40°25'44.389"N	104°13'59.958"W	0.00	
9117.00†	90.000	179.883	6132.00	2992.08	-2979.22	-392.84	40°25'43.401"N	104°13'59.956"W	0.00	
9217.00†	90.000	179.883	6132.00	3092.00	-3079.22	-392.64	40°25'42.412"N	104°13'59.953"W	0.00	
9317.00†	90.000	179.883	6132.00	3191.92	-3179.22	-392.43	40°25'41.424"N	104°13'59.950"W	0.00	
9417.00†	90.000	179.883	6132.00	3291.84	-3279.22	-392.23	40°25'40.436"N	104°13'59.948"W	0.00	
9517.00†	90.000	179.883	6132.00	3391.76	-3379.22	-392.02	40°25'39.448"N	104°13'59.945"W	0.00	
9617.00†	90.000	179.883	6132.00	3491.68	-3479.22	-391.82	40°25'38.460"N	104°13'59.942"W	0.00	
9717.00†	90.000	179.883	6132.00	3591.59	-3579.22	-391.61	40°25'37.472"N	104°13'59.940"W	0.00	
9817.00†	90.000	179.883	6132.00	3691.51	-3679.22	-391.41	40°25'36.483"N	104°13'59.937"W	0.00	
9917.00†	90.000	179.883	6132.00	3791.43	-3779.22	-391.21	40°25'35.495"N	104°13'59.934"W	0.00	
10017.00†	90.000	179.883	6132.00	3891.35	-3879.22	-391.00	40°25'34.507"N	104°13'59.932"W	0.00	
10117.00†	90.000	179.883	6132.00	3991.27	-3979.22	-390.80	40°25'33.519"N	104°13'59.929"W	0.00	
10217.00†	90.000	179.883	6132.00	4091.19	-4079.22	-390.59	40°25'32.531"N	104°13'59.926"W	0.00	
10317.00†	90.000	179.883	6132.00	4191.11	-4179.22	-390.39	40°25'31.543"N	104°13'59.924"W	0.00	
10417.00†	90.000	179.883	6132.00	4291.02	-4279.22	-390.18	40°25'30.554"N	104°13'59.921"W	0.00	
10517.00†	90.000	179.883	6132.00	4390.94	-4379.22	-389.98	40°25'29.566"N	104°13'59.918"W	0.00	
10617.00†	90.000	179.883	6132.00	4490.86	-4479.22	-389.77	40°25'28.578"N	104°13'59.916"W	0.00	
10717.00†	90.000	179.883	6132.00	4590.78	-4579.22	-389.57	40°25'27.590"N	104°13'59.913"W	0.00	
10817.00†	90.000	179.883	6132.00	4690.70	-4679.22	-389.37	40°25'26.602"N	104°13'59.910"W	0.00	
10917.00†	90.000	179.883	6132.00	4790.62	-4779.22	-389.16	40°25'25.614"N	104°13'59.908"W	0.00	
11017.00†	90.000	179.883	6132.00	4890.54	-4879.22	-388.96	40°25'24.626"N	104°13'59.905"W	0.00	
11117.00†	90.000	179.883	6132.00	4990.45	-4979.22	-388.75	40°25'23.637"N	104°13'59.902"W	0.00	
11217.00†	90.000	179.883	6132.00	5090.37	-5079.22	-388.55	40°25'22.649"N	104°13'59.900"W	0.00	



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PRONGHORN K-5-8XRLNB (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11317.00†	90.000	179.883	6132.00	5190.29	-5179.22	-388.34	40°25'21.661"N	104°13'59.897"W	0.00	
11417.00†	90.000	179.883	6132.00	5290.21	-5279.22	-388.14	40°25'20.673"N	104°13'59.895"W	0.00	
11517.00†	90.000	179.883	6132.00	5390.13	-5379.22	-387.93	40°25'19.685"N	104°13'59.892"W	0.00	
11617.00†	90.000	179.883	6132.00	5490.05	-5479.22	-387.73	40°25'18.697"N	104°13'59.889"W	0.00	
11717.00†	90.000	179.883	6132.00	5589.97	-5579.22	-387.53	40°25'17.708"N	104°13'59.887"W	0.00	
11817.00†	90.000	179.883	6132.00	5689.88	-5679.22	-387.32	40°25'16.720"N	104°13'59.884"W	0.00	
11917.00†	90.000	179.883	6132.00	5789.80	-5779.22	-387.12	40°25'15.732"N	104°13'59.881"W	0.00	
12017.00†	90.000	179.883	6132.00	5889.72	-5879.22	-386.91	40°25'14.744"N	104°13'59.879"W	0.00	
12117.00†	90.000	179.883	6132.00	5989.64	-5979.22	-386.71	40°25'13.756"N	104°13'59.876"W	0.00	
12217.00†	90.000	179.883	6132.00	6089.56	-6079.22	-386.50	40°25'12.768"N	104°13'59.873"W	0.00	
12317.00†	90.000	179.883	6132.00	6189.48	-6179.22	-386.30	40°25'11.779"N	104°13'59.871"W	0.00	
12417.00†	90.000	179.883	6132.00	6289.40	-6279.22	-386.09	40°25'10.791"N	104°13'59.868"W	0.00	
12517.00†	90.000	179.883	6132.00	6389.31	-6379.22	-385.89	40°25'09.803"N	104°13'59.865"W	0.00	
12617.00†	90.000	179.883	6132.00	6489.23	-6479.21	-385.69	40°25'08.815"N	104°13'59.863"W	0.00	
12717.00†	90.000	179.883	6132.00	6589.15	-6579.21	-385.48	40°25'07.827"N	104°13'59.860"W	0.00	
12817.00†	90.000	179.883	6132.00	6689.07	-6679.21	-385.28	40°25'06.839"N	104°13'59.857"W	0.00	
12917.00†	90.000	179.883	6132.00	6788.99	-6779.21	-385.07	40°25'05.851"N	104°13'59.855"W	0.00	
13017.00†	90.000	179.883	6132.00	6888.91	-6879.21	-384.87	40°25'04.862"N	104°13'59.852"W	0.00	
13117.00†	90.000	179.883	6132.00	6988.83	-6979.21	-384.66	40°25'03.874"N	104°13'59.849"W	0.00	
13217.00†	90.000	179.883	6132.00	7088.74	-7079.21	-384.46	40°25'02.886"N	104°13'59.847"W	0.00	
13317.00†	90.000	179.883	6132.00	7188.66	-7179.21	-384.26	40°25'01.898"N	104°13'59.844"W	0.00	
13417.00†	90.000	179.883	6132.00	7288.58	-7279.21	-384.05	40°25'00.910"N	104°13'59.841"W	0.00	
13517.00†	90.000	179.883	6132.00	7388.50	-7379.21	-383.85	40°24'59.922"N	104°13'59.839"W	0.00	
13617.00†	90.000	179.883	6132.00	7488.42	-7479.21	-383.64	40°24'58.933"N	104°13'59.836"W	0.00	
13717.00†	90.000	179.883	6132.00	7588.34	-7579.21	-383.44	40°24'57.945"N	104°13'59.833"W	0.00	
13817.00†	90.000	179.883	6132.00	7688.26	-7679.21	-383.23	40°24'56.957"N	104°13'59.831"W	0.00	
13917.00†	90.000	179.883	6132.00	7788.17	-7779.21	-383.03	40°24'55.969"N	104°13'59.828"W	0.00	
14017.00†	90.000	179.883	6132.00	7888.09	-7879.21	-382.82	40°24'54.981"N	104°13'59.825"W	0.00	
14117.00†	90.000	179.883	6132.00	7988.01	-7979.21	-382.62	40°24'53.993"N	104°13'59.823"W	0.00	
14217.00†	90.000	179.883	6132.00	8087.93	-8079.21	-382.42	40°24'53.004"N	104°13'59.820"W	0.00	



Planned Wellpath Report

PRONGHORN K-5-8XRLNB (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

WELLPATH DATA (169 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
14317.00†	90.000	179.883	6132.00	8187.85	-8179.21	-382.21	40°24'52.016"N	104°13'59.817"W	0.00	
14417.00†	90.000	179.883	6132.00	8287.77	-8279.21	-382.01	40°24'51.028"N	104°13'59.815"W	0.00	
14517.00†	90.000	179.883	6132.00	8387.69	-8379.21	-381.80	40°24'50.040"N	104°13'59.812"W	0.00	
14617.00†	90.000	179.883	6132.00	8487.60	-8479.21	-381.60	40°24'49.052"N	104°13'59.809"W	0.00	
14717.00†	90.000	179.883	6132.00	8587.52	-8579.21	-381.39	40°24'48.064"N	104°13'59.807"W	0.00	
14817.00†	90.000	179.883	6132.00	8687.44	-8679.21	-381.19	40°24'47.075"N	104°13'59.804"W	0.00	
14917.00†	90.000	179.883	6132.00	8787.36	-8779.21	-380.98	40°24'46.087"N	104°13'59.801"W	0.00	
15017.00†	90.000	179.883	6132.00	8887.28	-8879.21	-380.78	40°24'45.099"N	104°13'59.799"W	0.00	
15117.00†	90.000	179.883	6132.00	8987.20	-8979.21	-380.58	40°24'44.111"N	104°13'59.796"W	0.00	
15217.00†	90.000	179.883	6132.00	9087.12	-9079.21	-380.37	40°24'43.123"N	104°13'59.793"W	0.00	
15317.00†	90.000	179.883	6132.00	9187.03	-9179.21	-380.17	40°24'42.135"N	104°13'59.791"W	0.00	
15417.00†	90.000	179.883	6132.00	9286.95	-9279.21	-379.96	40°24'41.147"N	104°13'59.788"W	0.00	
15517.00†	90.000	179.883	6132.00	9386.87	-9379.21	-379.76	40°24'40.158"N	104°13'59.785"W	0.00	
15617.00†	90.000	179.883	6132.00	9486.79	-9479.21	-379.55	40°24'39.170"N	104°13'59.783"W	0.00	
15717.00†	90.000	179.883	6132.00	9586.71	-9579.21	-379.35	40°24'38.182"N	104°13'59.780"W	0.00	
15817.00†	90.000	179.883	6132.00	9686.63	-9679.21	-379.15	40°24'37.194"N	104°13'59.777"W	0.00	
15917.00†	90.000	179.883	6132.00	9786.55	-9779.21	-378.94	40°24'36.206"N	104°13'59.775"W	0.00	
16017.00†	90.000	179.883	6132.00	9886.46	-9879.21	-378.74	40°24'35.218"N	104°13'59.772"W	0.00	
16017.97	90.000	179.883	6132.00 ¹	9887.43	-9880.17	-378.73	40°24'35.208"N	104°13'59.772"W	0.00	End of Tangent

HOLE & CASING SECTIONS -									
Ref Wellbore: PRONGHORN K-5-8XRLNB PWB Ref Wellpath: PRONGHORN K-5-8XRLNB (REV-A.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]
7in Casing Intermediate	17.00	6469.29	6452.29	17.00	6132.00	0.00	0.00	-331.52	-398.25
4.5in Casing Production	17.00	16017.97	16000.97	17.00	6132.00	0.00	0.00	-9880.17	-378.73



Planned Wellpath Report

PRONGHORN K-5-8XRLNB (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PRONGHORN K-5-8MRLB SECTION 5		0.00	0.00	0.00	3352971.93	1404526.87	40°26'12.840"N	104°13'54.876"W	polygon
PRONGHORN K-5-8MRLB SECTION 8		0.00	0.00	0.00	3352971.93	1404526.87	40°26'12.840"N	104°13'54.876"W	polygon
HARDLINE (460' SETBACK)		6132.00	0.00	0.00	3352971.93	1404526.87	40°26'12.840"N	104°13'54.876"W	polygon
PRONGHORN K-5-8MRLB BHL REV-1 From Plat (2150'FNL & 2677'FEL,SEC.8)		6132.00	-7260.77	-381.48	3352694.33	1397261.68	40°25'01.092"N	104°13'59.808"W	point
PRONGHORN K-5-8MRLB TARGET		6132.00	-331.52	-398.07	3352578.65	1404189.70	40°26'09.564"N	104°14'00.024"W	point
1) PRONGHORN K-5-8XRLNB BHL REV-1 From Plat (470'FSL & 2677'FEL,SEC.8)	16017.97	6132.00	-9880.17	-378.73	3352734.53	1394642.69	40°24'35.208"N	104°13'59.772"W	point

SURVEY PROGRAM - Ref Wellbore: PRONGHORN K-5-8XRLNB PWB Ref Wellpath: PRONGHORN K-5-8XRLNB (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	16017.97	NaviTrak (Standard)		PRONGHORN K-5-8XRLNB PWB



Planned Wellpath Report

PRONGHORN K-5-8XRLNB (REV-A.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#01 PRONGHORN K-5-8XRLNB (200'FNL & 2291'FEL,SEC.5)
Area	COLORADO	Well	PRONGHORN K-5-8XRLNB
Field	WELD COUNTY	Wellbore	PRONGHORN K-5-8XRLNB PWB
Facility	SEC.05-T5N-R61W		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	294.976	17.00	Tie On
1200.00	0.000	294.976	1200.00	End of Tangent
1800.00	12.000	294.976	1795.62	End of Build
3316.51	12.000	294.976	3278.99	End of Tangent
3916.51	0.000	179.883	3874.62	End of Drop
5656.37	0.000	179.883	5614.48	End of Tangent
6469.29	90.000	179.883	6132.00	End of Build
16017.97	90.000	179.883	6132.00	End of Tangent