





# Planned Wellpath Report

PRONGHORN FEDERAL F11-J14-31HNB (REV-E.0) PWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK ENERGY	Slot	SLOT#09 PRONGHORN FEDERAL F11-J14-31HNB (2146'FSL & 645'FWL,SEC.30)
Area	COLORADO	Well	PRONGHORN FEDERAL F11-J14-31HNB
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	PRONGHORN FEDERAL F11-J14-31HNB PWB
Facility	SEC.30-T05N-R61W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Robiale01
Scale	0.999959	Report Generated	9/18/2019 at 3:15:30 PM
Convergence at slot	0.80° East	Database/Source file	WA DENVER/PRONGHORN_FEDERAL_F11-J14-31HNB__REV-E.0__PWP.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-114.98	60.55	3345687.41	1380136.61	40°22'12.857"N	104°15'33.490"W
Facility Reference Pt			3345625.26	1380250.73	40°22'13.993"N	104°15'34.273"W
Field Reference Pt			3224525.77	1254425.87	40°01'44.400"N	104°41'53.556"W

## WELLPATH DATUM

Calculation method	Minimum curvature	RIG (17') (4526.9'GL+17'KB@4543.9') (RKB) to Facility Vertical Datum	4543.90ft
Horizontal Reference Pt	Slot	RIG (17') (4526.9'GL+17'KB@4543.9') (RKB) to Mean Sea Level	4543.90ft
Vertical Reference Pt	RIG (17') (4526.9'GL+17'KB@4543.9') (RKB)	RIG (17') (4526.9'GL+17'KB@4543.9') (RKB) to Ground Level at Slot (SLOT#09 PRONGHORN FEDERAL F11-J14-31HNB (2146'FSL & 645'FWL,SEC.30))	4543.90ft
MD Reference Pt	RIG (17') (4526.9'GL+17'KB@4543.9') (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	176.20°



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Facility	SEC.30-T05N-R61W		

WELLPATH DATA (122 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	173.020	0.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
17.00	0.000	173.020	17.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	Tie On
117.00†	0.000	173.020	117.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
217.00†	0.000	173.020	217.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
317.00†	0.000	173.020	317.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
417.00†	0.000	173.020	417.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
517.00†	0.000	173.020	517.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
617.00†	0.000	173.020	617.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
717.00†	0.000	173.020	717.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
817.00†	0.000	173.020	817.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
917.00†	0.000	173.020	917.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
1017.00†	0.000	173.020	1017.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
1117.00†	0.000	173.020	1117.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
1217.00†	0.000	173.020	1217.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
1317.00†	0.000	173.020	1317.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
1417.00†	0.000	173.020	1417.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
1517.00†	0.000	173.020	1517.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	
1600.00	0.000	173.020	1600.00	0.00	0.00	0.00	40°22'12.857"N	104°15'33.490"W	0.00	End of Tangent
1617.00†	0.340	173.020	1617.00	0.05	-0.05	0.01	40°22'12.856"N	104°15'33.490"W	2.00	
1717.00†	2.340	173.020	1716.97	2.39	-2.37	0.29	40°22'12.833"N	104°15'33.487"W	2.00	
1817.00†	4.340	173.020	1816.79	8.20	-8.15	1.00	40°22'12.776"N	104°15'33.478"W	2.00	
1917.00†	6.340	173.020	1916.35	17.49	-17.39	2.13	40°22'12.685"N	104°15'33.463"W	2.00	
2017.00†	8.340	173.020	2015.53	30.25	-30.07	3.68	40°22'12.560"N	104°15'33.443"W	2.00	
2117.00†	10.340	173.020	2114.20	46.45	-46.18	5.65	40°22'12.400"N	104°15'33.417"W	2.00	
2217.00†	12.340	173.020	2212.24	66.08	-65.70	8.04	40°22'12.208"N	104°15'33.387"W	2.00	
2317.00†	14.340	173.020	2309.54	89.12	-88.60	10.85	40°22'11.981"N	104°15'33.350"W	2.00	
2417.00†	16.340	173.020	2405.97	115.53	-114.85	14.06	40°22'11.722"N	104°15'33.309"W	2.00	
2517.00†	18.340	173.020	2501.42	145.29	-144.44	17.68	40°22'11.430"N	104°15'33.262"W	2.00	
2617.00†	20.340	173.020	2595.77	178.35	-177.31	21.71	40°22'11.105"N	104°15'33.210"W	2.00	
2717.00†	22.340	173.020	2688.91	214.69	-213.42	26.13	40°22'10.748"N	104°15'33.153"W	2.00	



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Field	WELD COUNTY (NAD83/TRUE)	Wellbore	PRONGHORN FEDERAL F11-J14-31HNB PWB
Facility	SEC.30-T05N-R61W		

WELLPATH DATA (122 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2817.00†	24.340	173.020	2780.72	254.24	-252.75	30.94	40°22'10.359"N	104°15'33.091"W	2.00	
2917.00†	26.340	173.020	2871.10	296.97	-295.23	36.14	40°22'09.939"N	104°15'33.023"W	2.00	
3017.00†	28.340	173.020	2959.92	342.83	-340.81	41.72	40°22'09.489"N	104°15'32.951"W	2.00	
3089.92	29.798	173.020	3023.66	378.20	-375.98	46.03	40°22'09.142"N	104°15'32.896"W	2.00	End of Build
3117.00†	29.798	173.020	3047.16	391.64	-389.34	47.66	40°22'09.010"N	104°15'32.875"W	0.00	
3217.00†	29.798	173.020	3133.93	441.25	-438.66	53.70	40°22'08.522"N	104°15'32.797"W	0.00	
3317.00†	29.798	173.020	3220.71	490.87	-487.99	59.74	40°22'08.035"N	104°15'32.719"W	0.00	
3417.00†	29.798	173.020	3307.49	540.49	-537.32	65.78	40°22'07.547"N	104°15'32.641"W	0.00	
3517.00†	29.798	173.020	3394.27	590.11	-586.64	71.82	40°22'07.060"N	104°15'32.563"W	0.00	
3617.00†	29.798	173.020	3481.05	639.73	-635.97	77.86	40°22'06.572"N	104°15'32.485"W	0.00	
3717.00†	29.798	173.020	3567.82	689.35	-685.30	83.90	40°22'06.085"N	104°15'32.407"W	0.00	
3817.00†	29.798	173.020	3654.60	738.96	-734.62	89.93	40°22'05.597"N	104°15'32.329"W	0.00	
3917.00†	29.798	173.020	3741.38	788.58	-783.95	95.97	40°22'05.110"N	104°15'32.251"W	0.00	
4017.00†	29.798	173.020	3828.16	838.20	-833.28	102.01	40°22'04.623"N	104°15'32.173"W	0.00	
4117.00†	29.798	173.020	3914.93	887.82	-882.60	108.05	40°22'04.135"N	104°15'32.095"W	0.00	
4217.00†	29.798	173.020	4001.71	937.44	-931.93	114.09	40°22'03.648"N	104°15'32.017"W	0.00	
4317.00†	29.798	173.020	4088.49	987.06	-981.26	120.13	40°22'03.160"N	104°15'31.938"W	0.00	
4417.00†	29.798	173.020	4175.27	1036.67	-1030.58	126.17	40°22'02.673"N	104°15'31.860"W	0.00	
4517.00†	29.798	173.020	4262.05	1086.29	-1079.91	132.20	40°22'02.185"N	104°15'31.782"W	0.00	
4617.00†	29.798	173.020	4348.82	1135.91	-1129.24	138.24	40°22'01.698"N	104°15'31.704"W	0.00	
4717.00†	29.798	173.020	4435.60	1185.53	-1178.56	144.28	40°22'01.211"N	104°15'31.626"W	0.00	
4817.00†	29.798	173.020	4522.38	1235.15	-1227.89	150.32	40°22'00.723"N	104°15'31.548"W	0.00	
4917.00†	29.798	173.020	4609.16	1284.76	-1277.22	156.36	40°22'00.236"N	104°15'31.470"W	0.00	
5017.00†	29.798	173.020	4695.94	1334.38	-1326.54	162.40	40°21'59.748"N	104°15'31.392"W	0.00	
5117.00†	29.798	173.020	4782.71	1384.00	-1375.87	168.44	40°21'59.261"N	104°15'31.314"W	0.00	
5217.00†	29.798	173.020	4869.49	1433.62	-1425.20	174.48	40°21'58.773"N	104°15'31.236"W	0.00	
5317.00†	29.798	173.020	4956.27	1483.24	-1474.52	180.51	40°21'58.286"N	104°15'31.158"W	0.00	
5417.00†	29.798	173.020	5043.05	1532.86	-1523.85	186.55	40°21'57.799"N	104°15'31.080"W	0.00	
5517.00†	29.798	173.020	5129.83	1582.47	-1573.18	192.59	40°21'57.311"N	104°15'31.002"W	0.00	
5617.00†	29.798	173.020	5216.60	1632.09	-1622.50	198.63	40°21'56.824"N	104°15'30.924"W	0.00	



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Area	COLORADO	Well	PRONGHORN FEDERAL F11-J14-31HNB
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	PRONGHORN FEDERAL F11-J14-31HNB PWB
Facility	SEC.30-T05N-R61W		

## WELLPATH DATA (122 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5717.00†	29.798	173.020	5303.38	1681.71	-1671.83	204.67	40°21'56.336"N	104°15'30.846"W	0.00	
5817.00†	29.798	173.020	5390.16	1731.33	-1721.16	210.71	40°21'55.849"N	104°15'30.768"W	0.00	
5917.00†	29.798	173.020	5476.94	1780.95	-1770.48	216.75	40°21'55.361"N	104°15'30.690"W	0.00	
6017.00†	29.798	173.020	5563.72	1830.57	-1819.81	222.79	40°21'54.874"N	104°15'30.612"W	0.00	
6117.00†	29.798	173.020	5650.49	1880.18	-1869.14	228.82	40°21'54.387"N	104°15'30.534"W	0.00	
6191.44	29.798	173.020	5715.09	1917.12	-1905.86	233.32	40°21'54.024"N	104°15'30.476"W	0.00	End of Tangent
6217.00†	32.344	173.449	5736.98	1930.29	-1918.95	234.87	40°21'53.894"N	104°15'30.456"W	10.00	
6317.00†	42.317	174.682	5816.40	1990.81	-1979.20	241.06	40°21'53.299"N	104°15'30.376"W	10.00	
6417.00†	52.298	175.515	5884.12	2064.21	-2052.34	247.29	40°21'52.576"N	104°15'30.296"W	10.00	
6517.00†	62.284	176.149	5938.09	2148.24	-2136.16	253.37	40°21'51.748"N	104°15'30.217"W	10.00	
6617.00†	72.272	176.676	5976.66	2240.36	-2228.10	259.12	40°21'50.839"N	104°15'30.143"W	10.00	
6717.00†	82.262	177.146	5998.68	2337.77	-2325.37	264.36	40°21'49.878"N	104°15'30.075"W	10.00	
6794.46	90.000	177.494	6003.90 <sup>†</sup>	2414.98	-2402.51	267.97	40°21'49.116"N	104°15'30.029"W	10.00	End of 3D Arc
6817.00†	90.000	177.494	6003.90	2437.52	-2425.03	268.96	40°21'48.893"N	104°15'30.016"W	0.00	
6917.00†	90.000	177.494	6003.90	2537.49	-2524.94	273.33	40°21'47.906"N	104°15'29.959"W	0.00	
7017.00†	90.000	177.494	6003.90	2637.47	-2624.84	277.70	40°21'46.919"N	104°15'29.903"W	0.00	
7117.00†	90.000	177.494	6003.90	2737.44	-2724.75	282.08	40°21'45.932"N	104°15'29.847"W	0.00	
7217.00†	90.000	177.494	6003.90	2837.42	-2824.65	286.45	40°21'44.944"N	104°15'29.790"W	0.00	
7317.00†	90.000	177.494	6003.90	2937.39	-2924.56	290.82	40°21'43.957"N	104°15'29.734"W	0.00	
7417.00†	90.000	177.494	6003.90	3037.37	-3024.46	295.19	40°21'42.970"N	104°15'29.677"W	0.00	
7517.00†	90.000	177.494	6003.90	3137.34	-3124.36	299.57	40°21'41.983"N	104°15'29.621"W	0.00	
7617.00†	90.000	177.494	6003.90	3237.32	-3224.27	303.94	40°21'40.996"N	104°15'29.564"W	0.00	
7717.00†	90.000	177.494	6003.90	3337.29	-3324.17	308.31	40°21'40.008"N	104°15'29.508"W	0.00	
7817.00†	90.000	177.494	6003.90	3437.26	-3424.08	312.69	40°21'39.021"N	104°15'29.451"W	0.00	
7917.00†	90.000	177.494	6003.90	3537.24	-3523.98	317.06	40°21'38.034"N	104°15'29.395"W	0.00	
8017.00†	90.000	177.494	6003.90	3637.21	-3623.89	321.43	40°21'37.047"N	104°15'29.338"W	0.00	
8117.00†	90.000	177.494	6003.90	3737.19	-3723.79	325.81	40°21'36.059"N	104°15'29.282"W	0.00	
8217.00†	90.000	177.494	6003.90	3837.16	-3823.69	330.18	40°21'35.072"N	104°15'29.225"W	0.00	
8317.00†	90.000	177.494	6003.90	3937.14	-3923.60	334.55	40°21'34.085"N	104°15'29.169"W	0.00	
8417.00†	90.000	177.494	6003.90	4037.11	-4023.50	338.93	40°21'33.098"N	104°15'29.112"W	0.00	





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8517.00†	90.000	177.494	6003.90	4137.09	-4123.41	343.30	40°21'32.111"N	104°15'29.056"W	0.00	
8617.00†	90.000	177.494	6003.90	4237.06	-4223.31	347.67	40°21'31.123"N	104°15'28.999"W	0.00	
8717.00†	90.000	177.494	6003.90	4337.04	-4323.22	352.04	40°21'30.136"N	104°15'28.943"W	0.00	
8817.00†	90.000	177.494	6003.90	4437.01	-4423.12	356.42	40°21'29.149"N	104°15'28.886"W	0.00	
8917.00†	90.000	177.494	6003.90	4536.99	-4523.02	360.79	40°21'28.162"N	104°15'28.830"W	0.00	
9017.00†	90.000	177.494	6003.90	4636.96	-4622.93	365.16	40°21'27.174"N	104°15'28.774"W	0.00	
9117.00†	90.000	177.494	6003.90	4736.94	-4722.83	369.54	40°21'26.187"N	104°15'28.717"W	0.00	
9217.00†	90.000	177.494	6003.90	4836.91	-4822.74	373.91	40°21'25.200"N	104°15'28.661"W	0.00	
9317.00†	90.000	177.494	6003.90	4936.89	-4922.64	378.28	40°21'24.213"N	104°15'28.604"W	0.00	
9417.00†	90.000	177.494	6003.90	5036.86	-5022.55	382.66	40°21'23.225"N	104°15'28.548"W	0.00	
9517.00†	90.000	177.494	6003.90	5136.83	-5122.45	387.03	40°21'22.238"N	104°15'28.491"W	0.00	
9617.00†	90.000	177.494	6003.90	5236.81	-5222.35	391.40	40°21'21.251"N	104°15'28.435"W	0.00	
9717.00†	90.000	177.494	6003.90	5336.78	-5322.26	395.78	40°21'20.264"N	104°15'28.378"W	0.00	
9817.00†	90.000	177.494	6003.90	5436.76	-5422.16	400.15	40°21'19.277"N	104°15'28.322"W	0.00	
9917.00†	90.000	177.494	6003.90	5536.73	-5522.07	404.52	40°21'18.289"N	104°15'28.265"W	0.00	
10017.00†	90.000	177.494	6003.90	5636.71	-5621.97	408.89	40°21'17.302"N	104°15'28.209"W	0.00	
10117.00†	90.000	177.494	6003.90	5736.68	-5721.88	413.27	40°21'16.315"N	104°15'28.152"W	0.00	
10217.00†	90.000	177.494	6003.90	5836.66	-5821.78	417.64	40°21'15.328"N	104°15'28.096"W	0.00	
10317.00†	90.000	177.494	6003.90	5936.63	-5921.69	422.01	40°21'14.340"N	104°15'28.039"W	0.00	
10417.00†	90.000	177.494	6003.90	6036.61	-6021.59	426.39	40°21'13.353"N	104°15'27.983"W	0.00	
10517.00†	90.000	177.494	6003.90	6136.58	-6121.49	430.76	40°21'12.366"N	104°15'27.927"W	0.00	
10617.00†	90.000	177.494	6003.90	6236.56	-6221.40	435.13	40°21'11.379"N	104°15'27.870"W	0.00	
10717.00†	90.000	177.494	6003.90	6336.53	-6321.30	439.51	40°21'10.392"N	104°15'27.814"W	0.00	
10817.00†	90.000	177.494	6003.90	6436.51	-6421.21	443.88	40°21'09.404"N	104°15'27.757"W	0.00	
10917.00†	90.000	177.494	6003.90	6536.48	-6521.11	448.25	40°21'08.417"N	104°15'27.701"W	0.00	
11017.00†	90.000	177.494	6003.90	6636.46	-6621.02	452.63	40°21'07.430"N	104°15'27.644"W	0.00	
11117.00†	90.000	177.494	6003.90	6736.43	-6720.92	457.00	40°21'06.443"N	104°15'27.588"W	0.00	
11217.00†	90.000	177.494	6003.90	6836.40	-6820.82	461.37	40°21'05.455"N	104°15'27.531"W	0.00	
11317.00†	90.000	177.494	6003.90	6936.38	-6920.73	465.74	40°21'04.468"N	104°15'27.475"W	0.00	
11417.00†	90.000	177.494	6003.90	7036.35	-7020.63	470.12	40°21'03.481"N	104°15'27.418"W	0.00	



# Planned Wellpath Report

PRONGHORN FEDERAL F11-J14-31HNB (REV-E.0) PWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK ENERGY	Slot	SLOT#09 PRONGHORN FEDERAL F11-J14-31HNB (2146'FSL & 645'FWL,SEC.30)
Area	COLORADO	Well	PRONGHORN FEDERAL F11-J14-31HNB
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	PRONGHORN FEDERAL F11-J14-31HNB PWB
Facility	SEC.30-T05N-R61W		

## WELLPATH DATA (122 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11517.00†	90.000	177.494	6003.90	7136.33	-7120.54	474.49	40°21'02.494"N	104°15'27.362"W	0.00	
11612.24	90.000	177.494	6003.90 <sup>2</sup>	7231.55	-7215.69	478.66	40°21'01.553"N	104°15'27.308"W	0.00	End of Tangent

## HOLE & CASING SECTIONS

- Ref Wellbore: PRONGHORN FEDERAL F11-J14-31HNB PWB      Ref Wellpath: PRONGHORN FEDERAL F11-J14-31HNB (REV-E.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]
9.625in Casing	17.00	1600.00	1583.00	17.00	1600.00	0.00	0.00	0.00	0.00
8.5in Open Hole	1600.00	11612.24	10012.24	1600.00	6003.90	0.00	0.00	-7215.69	478.66

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.31-T05N-R61W HARDLINE 1040'FWL		1.30	79.60	-41.91	3345644.39	1380215.61	40°22'13.643"N	104°15'34.032"W	polygon
2) PRONGHORN FEDERAL F11-J14-31HNB BHL REV-5 (260'FSL & 1065'FWL,SEC.31)	11612.24	6003.90	-7215.69	478.66	3346266.95	1372928.63	40°21'01.553"N	104°15'27.308"W	point
1) PRONGHORN FEDERAL F11-J14-31HNB LP REV-4 (260'FNL & 899'FWL,SEC.31)	6794.46	6003.90	-2402.51	267.97	3345988.96	1377738.18	40°21'49.116"N	104°15'30.029"W	point
SEC.30-T05N-R61W		11999.90	1927.43	10490.26	3356149.23	1382210.53	40°22'31.881"N	104°13'17.949"W	polygon
SEC.31-T05N-R61W		11999.90	-3312.77	9227.97	3354960.43	1376953.41	40°21'40.104"N	104°13'34.284"W	polygon



# Planned Wellpath Report

PRONGHORN FEDERAL F11-J14-31HNB (REV-E.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Slot	SLOT#09 PRONGHORN FEDERAL F11-J14-31HNB (2146'FSL & 645'FWL,SEC.30)
Area	COLORADO	Well	PRONGHORN FEDERAL F11-J14-31HNB
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	PRONGHORN FEDERAL F11-J14-31HNB PWB
Facility	SEC.30-T05N-R61W		

SURVEY PROGRAM - Ref Wellbore: PRONGHORN FEDERAL F11-J14-31HNB PWB      Ref Wellpath: PRONGHORN FEDERAL F11-J14-31HNB (REV-E.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1600.00	BHI NaviTrak (Rotating+Axial Corr)		PRONGHORN FEDERAL F11-J14-31HNB PWB
1600.00	11612.24	BHI AutoTrak Curve (Short)		PRONGHORN FEDERAL F11-J14-31HNB PWB





# Planned Wellpath Report

PRONGHORN FEDERAL F11-J14-31HNB (REV-E.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Slot	SLOT#09 PRONGHORN FEDERAL F11-J14-31HNB (2146'FSL & 645'FWL,SEC.30)
Area	COLORADO	Well	PRONGHORN FEDERAL F11-J14-31HNB
Field	WELD COUNTY (NAD83/TRUE)	Wellbore	PRONGHORN FEDERAL F11-J14-31HNB PWB
Facility	SEC.30-T05N-R61W		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	173.020	17.00	Tie On
1600.00	0.000	173.020	1600.00	End of Tangent
3089.92	29.798	173.020	3023.66	End of Build
6191.44	29.798	173.020	5715.09	End of Tangent
6794.46	90.000	177.494	6003.90	End of 3D Arc
11612.24	90.000	177.494	6003.90	End of Tangent