





# Planned Wellpath Report

STATE SEVENTY HOLES U41-Y44-6HNC PWP (REV-C.0)  
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## REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK ENERGY	Well	STATE SEVENTY HOLES U41-Y44-6HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.31-T05N-R62W	Wellbore	STATE SEVENTY HOLES U41-Y44-6HNC PWB
Slot	SLOT#10 STATE SEVENTY HOLES U41-Y44-6HNC (661'FSL & 2482'FEL, SEC.31)		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	True	User	Robiale01
Scale	0.999958	Report Generated	12/20/2019 at 3:05:46 PM
Convergence at slot	0.73° East	Database	WA_DENVER

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-3787.65	-1945.77	3316050.72	1372684.57	40°21'3.1428"N	104°21'57.6036"W
Facility Reference Pt			3317947.52	1376496.78	40°21'40.5720"N	104°21'32.4720"W
Field Reference Pt			3224525.77	1254425.87	40°01'44.4000"N	104°41'53.5560"W

## WELLPATH DATUM

Calculation method	Minimum curvature	RIG (17') (RKB) to Facility Vertical Datum	4569.00ft
Horizontal Reference Pt	Slot	RIG (17') (RKB) to Mean Sea Level	4569.00ft
Vertical Reference Pt	RIG (17') (RKB)	RIG (17') (RKB) to Ground Level at Slot (SLOT#10 STATE SEVENTY HOLES U41-Y44-6HNC (661'FSL & 2482'FEL, SEC.31))	4569.00ft
MD Reference Pt	RIG (17') (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	163.97°



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WELLPATH DATA (121 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	116.900	0.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
17.00	0.000	116.900	17.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	Tie On
117.00†	0.000	116.900	117.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
217.00†	0.000	116.900	217.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
317.00†	0.000	116.900	317.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
417.00†	0.000	116.900	417.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
517.00†	0.000	116.900	517.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
617.00†	0.000	116.900	617.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
717.00†	0.000	116.900	717.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
817.00†	0.000	116.900	817.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
917.00†	0.000	116.900	917.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
1017.00†	0.000	116.900	1017.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
1117.00†	0.000	116.900	1117.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
1217.00†	0.000	116.900	1217.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
1317.00†	0.000	116.900	1317.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
1417.00†	0.000	116.900	1417.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
1517.00†	0.000	116.900	1517.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	
1550.00	0.000	116.900	1550.00	0.00	0.00	0.00	40°21'3.1428"N	104°21'57.6036"W	0.00	End of Tangent
1617.00†	1.340	116.900	1616.99	0.53	-0.35	0.70	40°21'3.1393"N	104°21'57.5946"W	2.00	
1717.00†	3.340	116.900	1716.91	3.31	-2.20	4.34	40°21'3.1210"N	104°21'57.5475"W	2.00	
1817.00†	5.340	116.900	1816.61	8.47	-5.63	11.09	40°21'3.0872"N	104°21'57.4604"W	2.00	
1917.00†	7.340	116.900	1916.00	15.99	-10.62	20.94	40°21'3.0378"N	104°21'57.3332"W	2.00	
2017.00†	9.340	116.900	2014.93	25.87	-17.18	33.87	40°21'2.9730"N	104°21'57.1661"W	2.00	
2117.00†	11.340	116.900	2113.31	38.09	-25.30	49.88	40°21'2.8928"N	104°21'56.9594"W	2.00	
2217.00†	13.340	116.900	2210.99	52.64	-34.97	68.93	40°21'2.7972"N	104°21'56.7133"W	2.00	
2317.00†	15.340	116.900	2307.87	69.51	-46.18	91.02	40°21'2.6865"N	104°21'56.4280"W	2.00	
2417.00†	17.340	116.900	2403.83	88.67	-58.91	116.11	40°21'2.5607"N	104°21'56.1040"W	2.00	
2472.95	18.459	116.900	2457.06	100.38	-66.69	131.44	40°21'2.4838"N	104°21'55.9059"W	2.00	End of Build
2517.00†	18.459	116.900	2498.85	109.88	-73.00	143.88	40°21'2.4215"N	104°21'55.7452"W	0.00	
2617.00†	18.459	116.900	2593.71	131.44	-87.32	172.12	40°21'2.2799"N	104°21'55.3805"W	0.00	



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Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.31-T05N-R62W	Wellbore	STATE SEVENTY HOLES U41-Y44-6HNC PWB
Slot	SLOT#10 STATE SEVENTY HOLES U41-Y44-6HNC (661'FSL & 2482'FEL, SEC.31)		

WELLPATH DATA (121 stations) † = interpolated, ‡ = extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2717.00†	18.459	116.900	2688.56	153.01	-101.65	200.35	40°21'2.1383"N	104°21'55.0158"W	0.00	
2817.00†	18.459	116.900	2783.42	174.57	-115.97	228.59	40°21'1.9968"N	104°21'54.6511"W	0.00	
2917.00†	18.459	116.900	2878.27	196.13	-130.30	256.83	40°21'1.8552"N	104°21'54.2864"W	0.00	
3017.00†	18.459	116.900	2973.13	217.70	-144.62	285.06	40°21'1.7137"N	104°21'53.9217"W	0.00	
3117.00†	18.459	116.900	3067.98	239.26	-158.95	313.30	40°21'1.5721"N	104°21'53.5570"W	0.00	
3217.00†	18.459	116.900	3162.84	260.83	-173.27	341.54	40°21'1.4305"N	104°21'53.1923"W	0.00	
3317.00†	18.459	116.900	3257.69	282.39	-187.60	369.77	40°21'1.2890"N	104°21'52.8276"W	0.00	
3417.00†	18.459	116.900	3352.55	303.95	-201.93	398.01	40°21'1.1474"N	104°21'52.4630"W	0.00	
3517.00†	18.459	116.900	3447.40	325.52	-216.25	426.25	40°21'1.0058"N	104°21'52.0983"W	0.00	
3617.00†	18.459	116.900	3542.26	347.08	-230.58	454.48	40°21'0.8643"N	104°21'51.7336"W	0.00	
3717.00†	18.459	116.900	3637.11	368.64	-244.90	482.72	40°21'0.7227"N	104°21'51.3689"W	0.00	
3817.00†	18.459	116.900	3731.97	390.21	-259.23	510.96	40°21'0.5811"N	104°21'51.0042"W	0.00	
3917.00†	18.459	116.900	3826.82	411.77	-273.55	539.19	40°21'0.4396"N	104°21'50.6395"W	0.00	
4017.00†	18.459	116.900	3921.68	433.33	-287.88	567.43	40°21'0.2980"N	104°21'50.2748"W	0.00	
4117.00†	18.459	116.900	4016.53	454.90	-302.20	595.66	40°21'0.1564"N	104°21'49.9101"W	0.00	
4217.00†	18.459	116.900	4111.39	476.46	-316.53	623.90	40°21'0.0149"N	104°21'49.5454"W	0.00	
4317.00†	18.459	116.900	4206.24	498.03	-330.85	652.14	40°20'59.8733"N	104°21'49.1807"W	0.00	
4417.00†	18.459	116.900	4301.10	519.59	-345.18	680.37	40°20'59.7317"N	104°21'48.8160"W	0.00	
4517.00†	18.459	116.900	4395.95	541.15	-359.50	708.61	40°20'59.5902"N	104°21'48.4513"W	0.00	
4617.00†	18.459	116.900	4490.81	562.72	-373.83	736.85	40°20'59.4486"N	104°21'48.0866"W	0.00	
4717.00†	18.459	116.900	4585.66	584.28	-388.16	765.08	40°20'59.3070"N	104°21'47.7219"W	0.00	
4817.00†	18.459	116.900	4680.52	605.84	-402.48	793.32	40°20'59.1655"N	104°21'47.3573"W	0.00	
4917.00†	18.459	116.900	4775.37	627.41	-416.81	821.56	40°20'59.0239"N	104°21'46.9926"W	0.00	
5017.00†	18.459	116.900	4870.23	648.97	-431.13	849.79	40°20'58.8823"N	104°21'46.6279"W	0.00	
5117.00†	18.459	116.900	4965.08	670.53	-445.46	878.03	40°20'58.7408"N	104°21'46.2632"W	0.00	
5217.00†	18.459	116.900	5059.94	692.10	-459.78	906.27	40°20'58.5992"N	104°21'45.8985"W	0.00	
5317.00†	18.459	116.900	5154.79	713.66	-474.11	934.50	40°20'58.4576"N	104°21'45.5338"W	0.00	
5417.00†	18.459	116.900	5249.65	735.23	-488.43	962.74	40°20'58.3161"N	104°21'45.1691"W	0.00	
5517.00†	18.459	116.900	5344.50	756.79	-502.76	990.98	40°20'58.1745"N	104°21'44.8044"W	0.00	
5617.00†	18.459	116.900	5439.36	778.35	-517.08	1019.21	40°20'58.0329"N	104°21'44.4397"W	0.00	



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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5717.00†	18.459	116.900	5534.21	799.92	-531.41	1047.45	40°20'57.8913"N	104°21'44.0751"W	0.00	
5817.00†	18.459	116.900	5629.07	821.48	-545.73	1075.68	40°20'57.7498"N	104°21'43.7104"W	0.00	
5917.00†	18.459	116.900	5723.92	843.04	-560.06	1103.92	40°20'57.6082"N	104°21'43.3457"W	0.00	
6017.00†	18.459	116.900	5818.78	864.61	-574.39	1132.16	40°20'57.4666"N	104°21'42.9810"W	0.00	
6079.43	18.459	116.900	5877.99	878.07	-583.33	1149.78	40°20'57.3782"N	104°21'42.7533"W	0.00	End of Tangent
6117.00†	20.571	126.225	5913.41	887.34	-589.92	1160.42	40°20'57.3131"N	104°21'42.6160"W	10.00	
6217.00†	27.866	143.133	6004.66	923.17	-619.08	1188.68	40°20'57.0250"N	104°21'42.2510"W	10.00	
6317.00†	36.390	153.051	6089.33	974.26	-664.33	1216.22	40°20'56.5778"N	104°21'41.8954"W	10.00	
6417.00†	45.454	159.538	6164.84	1039.08	-724.31	1242.19	40°20'55.9850"N	104°21'41.5600"W	10.00	
6517.00†	54.784	164.243	6228.91	1115.65	-797.20	1265.80	40°20'55.2648"N	104°21'41.2551"W	10.00	
6617.00†	64.258	167.964	6279.59	1201.65	-880.77	1286.33	40°20'54.4389"N	104°21'40.9899"W	10.00	
6717.00†	73.813	171.130	6315.34	1294.46	-972.50	1303.17	40°20'53.5325"N	104°21'40.7725"W	10.00	
6817.00†	83.410	174.000	6335.06	1391.26	-1069.58	1315.80	40°20'52.5731"N	104°21'40.6095"W	10.00	
6885.55	90.000	175.894	6339.00†	1458.41	-1137.72	1321.82	40°20'51.8998"N	104°21'40.5318"W	10.00	End of 3D Arc
6917.00†	90.000	175.894	6339.00	1489.18	-1169.08	1324.07	40°20'51.5899"N	104°21'40.5027"W	0.00	
7017.00†	90.000	175.894	6339.00	1587.02	-1268.83	1331.23	40°20'50.6043"N	104°21'40.4103"W	0.00	
7117.00†	90.000	175.894	6339.00	1684.86	-1368.57	1338.39	40°20'49.6186"N	104°21'40.3179"W	0.00	
7217.00†	90.000	175.894	6339.00	1782.71	-1468.31	1345.56	40°20'48.6330"N	104°21'40.2254"W	0.00	
7317.00†	90.000	175.894	6339.00	1880.55	-1568.06	1352.72	40°20'47.6473"N	104°21'40.1330"W	0.00	
7417.00†	90.000	175.894	6339.00	1978.40	-1667.80	1359.88	40°20'46.6617"N	104°21'40.0406"W	0.00	
7517.00†	90.000	175.894	6339.00	2076.24	-1767.54	1367.04	40°20'45.6761"N	104°21'39.9482"W	0.00	
7617.00†	90.000	175.894	6339.00	2174.08	-1867.29	1374.20	40°20'44.6904"N	104°21'39.8558"W	0.00	
7717.00†	90.000	175.894	6339.00	2271.93	-1967.03	1381.36	40°20'43.7048"N	104°21'39.7634"W	0.00	
7817.00†	90.000	175.894	6339.00	2369.77	-2066.77	1388.52	40°20'42.7191"N	104°21'39.6710"W	0.00	
7917.00†	90.000	175.894	6339.00	2467.62	-2166.52	1395.68	40°20'41.7335"N	104°21'39.5786"W	0.00	
8017.00†	90.000	175.894	6339.00	2565.46	-2266.26	1402.84	40°20'40.7479"N	104°21'39.4861"W	0.00	
8117.00†	90.000	175.894	6339.00	2663.31	-2366.00	1410.01	40°20'39.7622"N	104°21'39.3937"W	0.00	
8217.00†	90.000	175.894	6339.00	2761.15	-2465.75	1417.17	40°20'38.7766"N	104°21'39.3013"W	0.00	
8317.00†	90.000	175.894	6339.00	2858.99	-2565.49	1424.33	40°20'37.7909"N	104°21'39.2089"W	0.00	
8417.00†	90.000	175.894	6339.00	2956.84	-2665.23	1431.49	40°20'36.8053"N	104°21'39.1165"W	0.00	



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8517.00†	90.000	175.894	6339.00	3054.68	-2764.98	1438.65	40°20'35.8197"N	104°21'39.0241"W	0.00	
8617.00†	90.000	175.894	6339.00	3152.53	-2864.72	1445.81	40°20'34.8340"N	104°21'38.9317"W	0.00	
8717.00†	90.000	175.894	6339.00	3250.37	-2964.46	1452.97	40°20'33.8484"N	104°21'38.8393"W	0.00	
8817.00†	90.000	175.894	6339.00	3348.21	-3064.20	1460.13	40°20'32.8627"N	104°21'38.7469"W	0.00	
8917.00†	90.000	175.894	6339.00	3446.06	-3163.95	1467.29	40°20'31.8771"N	104°21'38.6545"W	0.00	
9017.00†	90.000	175.894	6339.00	3543.90	-3263.69	1474.45	40°20'30.8914"N	104°21'38.5621"W	0.00	
9117.00†	90.000	175.894	6339.00	3641.75	-3363.43	1481.62	40°20'29.9058"N	104°21'38.4697"W	0.00	
9217.00†	90.000	175.894	6339.00	3739.59	-3463.18	1488.78	40°20'28.9202"N	104°21'38.3773"W	0.00	
9317.00†	90.000	175.894	6339.00	3837.44	-3562.92	1495.94	40°20'27.9345"N	104°21'38.2849"W	0.00	
9417.00†	90.000	175.894	6339.00	3935.28	-3662.66	1503.10	40°20'26.9489"N	104°21'38.1925"W	0.00	
9517.00†	90.000	175.894	6339.00	4033.12	-3762.41	1510.26	40°20'25.9632"N	104°21'38.1001"W	0.00	
9617.00†	90.000	175.894	6339.00	4130.97	-3862.15	1517.42	40°20'24.9776"N	104°21'38.0077"W	0.00	
9717.00†	90.000	175.894	6339.00	4228.81	-3961.89	1524.58	40°20'23.9920"N	104°21'37.9153"W	0.00	
9817.00†	90.000	175.894	6339.00	4326.66	-4061.64	1531.74	40°20'23.0063"N	104°21'37.8229"W	0.00	
9917.00†	90.000	175.894	6339.00	4424.50	-4161.38	1538.90	40°20'22.0207"N	104°21'37.7305"W	0.00	
10017.00†	90.000	175.894	6339.00	4522.35	-4261.12	1546.06	40°20'21.0350"N	104°21'37.6381"W	0.00	
10117.00†	90.000	175.894	6339.00	4620.19	-4360.87	1553.23	40°20'20.0494"N	104°21'37.5457"W	0.00	
10217.00†	90.000	175.894	6339.00	4718.03	-4460.61	1560.39	40°20'19.0637"N	104°21'37.4533"W	0.00	
10317.00†	90.000	175.894	6339.00	4815.88	-4560.35	1567.55	40°20'18.0781"N	104°21'37.3609"W	0.00	
10417.00†	90.000	175.894	6339.00	4913.72	-4660.10	1574.71	40°20'17.0925"N	104°21'37.2685"W	0.00	
10517.00†	90.000	175.894	6339.00	5011.57	-4759.84	1581.87	40°20'16.1068"N	104°21'37.1761"W	0.00	
10617.00†	90.000	175.894	6339.00	5109.41	-4859.58	1589.03	40°20'15.1212"N	104°21'37.0837"W	0.00	
10717.00†	90.000	175.894	6339.00	5207.25	-4959.33	1596.19	40°20'14.1355"N	104°21'36.9913"W	0.00	
10817.00†	90.000	175.894	6339.00	5305.10	-5059.07	1603.35	40°20'13.1499"N	104°21'36.8990"W	0.00	
10917.00†	90.000	175.894	6339.00	5402.94	-5158.81	1610.51	40°20'12.1643"N	104°21'36.8066"W	0.00	
11017.00†	90.000	175.894	6339.00	5500.79	-5258.56	1617.67	40°20'11.1786"N	104°21'36.7142"W	0.00	
11117.00†	90.000	175.894	6339.00	5598.63	-5358.30	1624.84	40°20'10.1930"N	104°21'36.6218"W	0.00	
11217.00†	90.000	175.894	6339.00	5696.48	-5458.04	1632.00	40°20'9.2073"N	104°21'36.5294"W	0.00	
11317.00†	90.000	175.894	6339.00	5794.32	-5557.79	1639.16	40°20'8.2217"N	104°21'36.4370"W	0.00	
11417.00†	90.000	175.894	6339.00	5892.16	-5657.53	1646.32	40°20'7.2360"N	104°21'36.3446"W	0.00	



# Planned Wellpath Report

STATE SEVENTY HOLES U41-Y44-6HNC PWP (REV-C.0)  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	STATE SEVENTY HOLES U41-Y44-6HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.31-T05N-R62W	Wellbore	STATE SEVENTY HOLES U41-Y44-6HNC PWB
Slot	SLOT#10 STATE SEVENTY HOLES U41-Y44-6HNC (661'FSL & 2482'FEL, SEC.31)		

WELLPATH DATA (121 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11516.40	90.000	175.894	6339.00 <sup>2</sup>	5989.42	-5756.68	1653.44	40°20'6.2563"N	104°21'36.2528"W	0.00	End of Tangent

HOLE & CASING SECTIONS - Ref Wellbore: STATE SEVENTY HOLES U41-Y44-6HNC PWB    Ref Wellpath: STATE SEVENTY HOLES U41-Y44-6HNC PWP (REV-C.0)									
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	17.00	1600.00	1583.00	17.00	1600.00	0.00	0.00	-0.20	0.39
8.5in Open Hole	1600.00	11516.40	9916.40	1600.00	6339.00	-0.20	0.39	-5756.68	1653.44



# Planned Wellpath Report

STATE SEVENTY HOLES U41-Y44-6HNC PWP (REV-C.0)  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	STATE SEVENTY HOLES U41-Y44-6HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.31-T05N-R62W	Wellbore	STATE SEVENTY HOLES U41-Y44-6HNC PWB
Slot	SLOT#10 STATE SEVENTY HOLES U41-Y44-6HNC (661'FSL & 2482'FEL, SEC.31)		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.06-T4N-R62W	N/A	0.00	0.36	-20.07	3316030.65	1372684.68	40°21'3.1464"N	104°21'57.8628"W	polygon
	2D Polygon: dimensions not calculated								
SEC.30-T5N-R62W	N/A	0.00	0.36	-20.07	3316030.65	1372684.68	40°21'3.1464"N	104°21'57.8628"W	polygon
	2D Polygon: dimensions not calculated								
SEC.31-T5N-R62W	N/A	0.00	0.36	-20.07	3316030.65	1372684.68	40°21'3.1464"N	104°21'57.8628"W	polygon
	2D Polygon: dimensions not calculated								
SEC.05-T4N-R62W	N/A	16.00	0.36	-20.07	3316030.65	1372684.68	40°21'3.1464"N	104°21'57.8628"W	polygon
	2D Polygon: dimensions not calculated								
2) STATE SEVENTY HOLES U41-Y44-6HNC BHL (270'FSL & 343'FEL, SEC.06)	11516.40	6339.00	-5756.68	1653.44	3317777.56	1366949.76	40°20'6.2563"N	104°21'36.2528"W	point
	2D Polygon: dimensions not calculated								
1) STATE SEVENTY HOLES U41-Y44-6HNC LP (470'FNL & 362'FEL, SEC.06)	6885.55	6339.00	-1137.72	1321.82	3317386.92	1371563.90	40°20'51.8998"N	104°21'40.5318"W	point
	2D Polygon: dimensions not calculated								

SURVEY PROGRAM - Ref Wellbore: STATE SEVENTY HOLES U41-Y44-6HNC PWB Ref Wellpath: STATE SEVENTY HOLES U41-Y44-6HNC PWP (REV-C.0)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1600.00	BHI NaviTrak (Rotating+Axial Corr)		STATE SEVENTY HOLES U41-Y44-6HNC PWB
1600.00	11516.40	BH AutoTrak Curve (Short)		STATE SEVENTY HOLES U41-Y44-6HNC PWB



**Planned Wellpath Report**  
 STATE SEVENTY HOLES U41-Y44-6HNC PWP (REV-C.0)  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK ENERGY	Well	STATE SEVENTY HOLES U41-Y44-6HNC
Field	WELD COUNTY (NAD83/TRUE)	API/Legal	
Facility	SEC.31-T05N-R62W	Wellbore	STATE SEVENTY HOLES U41-Y44-6HNC PWB
Slot	SLOT#10 STATE SEVENTY HOLES U41-Y44-6HNC (661'FSL & 2482'FEL, SEC.31)		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	116.900	17.00	Tie On
1550.00	0.000	116.900	1550.00	End of Tangent
2472.95	18.459	116.900	2457.06	End of Build
6079.43	18.459	116.900	5877.99	End of Tangent
6885.55	90.000	175.894	6339.00	End of 3D Arc
11516.40	90.000	175.894	6339.00	End of Tangent