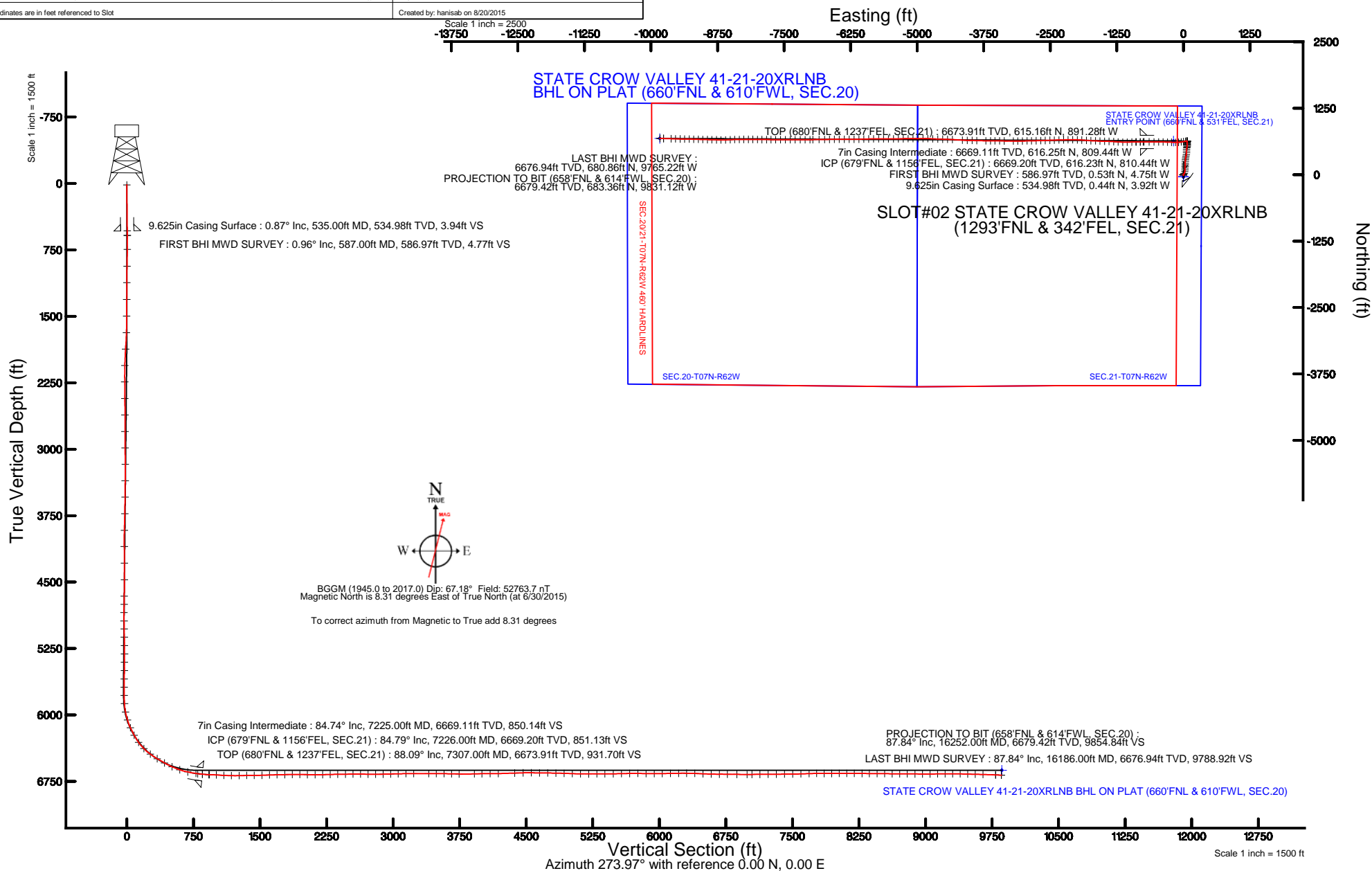




Location:	COLORADO	Slot:	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Field:	WELD COUNTY	Well:	STATE CROW VALLEY 41-21-20XRLNB
Facility:	SEC.21-T07N-R62W	Wellbore:	STATE CROW VALLEY 41-21-20XRLNB PWB

Plot reference wellpath is STATE CROW VALLEY 41-21-20XRLNB PWP (REV-A.0)

True vertical depths are referenced to XTREME 22 (17KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 22 (17KB) (RKB)	North Reference: True north
XTREME 22 (17KB) (RKB) to Mean Sea Level: 4913 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293FNL & 342FEL, SEC.21): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: hanisab on 8/20/2015





Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWP
Facility	SEC.21-T07N-R62W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.1.1
North Reference	True	User	Hanisab
Scale	0.999972	Report Generated	8/20/2015 at 11:09:55 AM
Convergence at slot	0.76° East	Database/Source file	WA_Denver/STATE_CROW_VALLEY_41-21-20XRLNB_AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	40.48	-1.08	3328199.59	1450213.64	40°33'47.646"N	104°19'07.356"W
Facility Reference Pt			3328201.21	1450173.18	40°33'47.246"N	104°19'07.342"W
Field Reference Pt			3335925.10	1457282.25	40°34'56.460"N	104°17'26.016"W

WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 22 (17'KB) (RKB) to Facility Vertical Datum	4913.00ft
Horizontal Reference Pt	Slot	XTREME 22 (17'KB) (RKB) to Mean Sea Level	4913.00ft
Vertical Reference Pt	XTREME 22 (17'KB) (RKB)	XTREME 22 (17'KB) (RKB) to Mud Line at Slot (SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21))	4913.00ft
MD Reference Pt	XTREME 22 (17'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	273.97°



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWB
Facility	SEC.21-T07N-R62W		

WELLPATH DATA (153 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	276.430	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	276.430	17.00	0.00	0.00	0.00	0.00	
587.00	0.960	276.430	586.97	4.77	0.53	-4.75	0.17	FIRST BHI MWD SURVEY
745.00	1.050	116.650	744.96	4.76	0.03	-4.77	1.25	
934.00	1.260	117.700	933.93	1.26	-1.71	-1.38	0.11	
1121.00	0.590	159.870	1120.90	-1.02	-3.57	0.77	0.49	
1310.00	0.670	157.200	1309.89	-1.91	-5.50	1.54	0.05	
1498.00	0.590	182.730	1497.88	-2.43	-7.48	1.92	0.15	
1686.00	6.240	21.470	1685.54	-5.53	1.07	5.61	3.62	
1873.00	9.900	25.290	1870.66	-14.43	25.07	16.20	1.98	
2061.00	11.040	11.790	2055.55	-22.76	57.31	26.79	1.43	
2250.00	10.600	359.910	2241.21	-23.99	92.41	30.46	1.20	
2439.00	9.430	2.070	2427.33	-22.25	125.27	30.99	0.65	
2628.00	9.010	3.120	2613.89	-21.52	155.52	32.36	0.24	
2817.00	8.650	4.850	2800.65	-21.52	184.46	34.36	0.24	
3005.00	11.540	359.670	2985.72	-20.33	217.36	35.45	1.61	
3194.00	11.150	3.350	3171.03	-18.71	254.51	36.41	0.43	
3381.00	9.580	6.150	3354.98	-19.11	288.03	39.13	0.88	
3570.00	7.960	8.980	3541.76	-20.86	316.60	42.86	0.89	
3759.00	8.990	10.580	3728.70	-23.70	344.04	47.62	0.56	
3948.00	10.680	13.640	3914.91	-28.34	375.58	54.46	0.94	
4136.00	11.540	358.620	4099.43	-29.52	411.31	58.11	1.60	
4325.00	9.510	2.740	4285.24	-27.42	445.81	58.40	1.14	
4515.00	9.220	6.570	4472.71	-27.78	476.61	60.90	0.36	
4703.00	9.590	8.790	4658.18	-29.78	507.05	65.01	0.28	
4798.00	8.660	11.280	4751.98	-31.35	521.88	67.62	1.06	
4892.00	9.360	5.520	4844.82	-32.46	536.43	69.74	1.21	
4987.00	10.570	359.280	4938.39	-31.96	552.84	70.37	1.71	
5080.00	10.210	359.580	5029.86	-30.63	569.61	70.21	0.39	
5174.00	9.020	358.240	5122.54	-29.26	585.30	69.92	1.29	



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWP
Facility	SEC.21-T07N-R62W		

WELLPATH DATA (153 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5269.00	6.550	354.660	5216.66	-27.64	598.14	69.19	2.65	
5364.00	5.350	5.740	5311.15	-26.90	607.95	69.12	1.74	
5458.00	4.170	14.050	5404.82	-27.63	615.62	70.39	1.45	
5553.00	3.260	18.500	5499.62	-28.92	621.54	72.09	1.00	
5647.00	2.070	9.780	5593.52	-29.76	625.74	73.22	1.33	
5741.00	1.620	0.200	5687.47	-29.84	628.74	73.52	0.58	
5832.00	1.180	13.800	5778.44	-29.92	630.94	73.75	0.60	
5926.00	3.920	286.500	5872.36	-26.95	632.79	70.89	4.30	
6021.00	9.930	262.290	5966.64	-15.74	632.62	59.65	6.90	
6115.00	18.020	258.610	6057.79	6.25	628.65	37.33	8.65	
6209.00	25.550	259.240	6145.01	39.93	621.99	3.11	8.01	
6304.00	28.800	262.290	6229.52	82.16	615.09	-39.70	3.72	
6398.00	35.690	264.250	6308.97	131.42	609.30	-89.48	7.41	
6492.00	45.300	270.960	6380.41	191.98	607.10	-150.34	11.21	
6586.00	53.610	273.200	6441.46	263.31	609.78	-221.65	9.02	
6680.00	59.190	271.190	6493.47	341.52	612.73	-299.85	6.20	
6775.00	60.060	271.430	6541.50	423.39	614.61	-381.79	0.94	
6870.00	65.700	269.840	6584.79	507.77	615.52	-466.30	6.12	
6964.00	71.810	271.250	6618.84	595.18	616.37	-553.86	6.65	
7058.00	77.900	270.410	6643.39	685.73	617.67	-644.55	6.54	
7153.00	81.440	269.240	6660.42	778.93	617.38	-737.99	3.92	
7173.00	82.310	269.010	6663.25	798.66	617.08	-757.79	4.50	
7226.00†	84.792	269.141	6669.20	851.13	616.23	-810.44	4.69	ICP (679'FNL & 1156'FEL, SEC.21)
7299.00	88.210	269.320	6673.65	923.74	615.25	-883.29	4.69	
7307.00†	88.091	269.288	6673.91	931.70	615.16	-891.28	1.54	TOP (680'FNL & 1237'FEL, SEC.21)
7384.00	86.950	268.980	6677.24	1008.36	613.99	-968.20	1.54	
7470.00	86.660	268.450	6682.04	1093.86	612.07	-1054.04	0.70	
7555.00	88.550	272.030	6685.59	1178.59	612.43	-1138.95	4.76	
7641.00	91.550	273.670	6685.51	1264.56	616.70	-1224.83	3.98	
7727.00	91.970	274.000	6682.87	1350.52	622.45	-1310.60	0.62	



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWP
Facility	SEC.21-T07N-R62W		

WELLPATH DATA (153 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7812.00	89.590	271.720	6681.72	1435.49	626.69	-1395.47	3.88	
7898.00	91.820	270.370	6680.66	1521.36	628.26	-1481.45	3.03	
7983.00	91.690	274.870	6678.05	1606.27	632.14	-1566.29	5.29	
8069.00	91.510	269.900	6675.65	1692.18	635.72	-1652.16	5.78	
8155.00	91.260	274.510	6673.57	1778.09	639.02	-1738.05	5.37	
8240.00	90.520	274.350	6672.25	1863.08	645.59	-1822.78	0.89	
8326.00	89.130	273.230	6672.51	1949.07	651.27	-1908.59	2.08	
8411.00	89.500	272.170	6673.53	2034.05	655.28	-1993.49	1.32	
8498.00	89.930	270.750	6673.96	2120.96	657.49	-2080.46	1.71	
8584.00	90.460	268.560	6673.67	2206.71	656.98	-2166.45	2.62	
8669.00	91.630	268.660	6672.12	2291.32	654.91	-2251.41	1.38	
8755.00	90.640	268.290	6670.42	2376.91	652.63	-2337.36	1.23	
8841.00	91.350	268.060	6668.92	2462.46	649.89	-2423.30	0.87	
8926.00	90.580	268.010	6667.49	2546.99	646.97	-2508.24	0.91	
9012.00	89.010	267.270	6667.80	2632.46	643.43	-2594.16	2.02	
9097.00	89.410	268.630	6668.97	2716.98	640.39	-2679.10	1.67	
9183.00	90.060	269.110	6669.37	2802.64	638.70	-2765.08	0.94	
9269.00	91.380	268.950	6668.29	2888.31	637.24	-2851.06	1.55	
9354.00	91.410	268.660	6666.22	2972.94	635.47	-2936.02	0.34	
9440.00	91.040	268.520	6664.38	3058.55	633.35	-3021.97	0.46	
9527.00	90.800	270.140	6662.98	3145.25	632.34	-3108.95	1.88	
9613.00	89.870	269.830	6662.48	3231.04	632.31	-3194.95	1.14	
9783.00	90.730	271.490	6661.59	3400.74	634.27	-3364.93	1.10	
9869.00	89.350	270.640	6661.53	3486.63	635.87	-3450.91	1.88	
9956.00	88.700	270.680	6663.01	3573.47	636.87	-3537.89	0.75	
10042.00	89.100	269.650	6664.66	3659.27	637.12	-3623.87	1.28	
10127.00	89.070	270.980	6666.02	3744.08	637.59	-3708.86	1.56	
10298.00	91.420	271.670	6665.29	3914.89	641.54	-3879.80	1.43	
10384.00	91.260	271.750	6663.28	4000.80	644.11	-3965.74	0.21	
10476.00	89.190	270.760	6662.92	4092.69	646.12	-4057.71	2.49	



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWP
Facility	SEC.21-T07N-R62W		

WELLPATH DATA (153 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
10569.00	91.840	273.650	6662.08	4185.62	649.70	-4150.62	4.22	
10755.00	91.820	273.070	6656.14	4371.51	660.59	-4336.20	0.31	
10848.00	91.290	272.250	6653.62	4464.45	664.91	-4429.07	1.05	
10940.00	89.320	271.470	6653.13	4556.38	667.89	-4521.01	2.30	
11033.00	89.160	272.060	6654.36	4649.31	670.76	-4613.96	0.66	
11126.00	89.470	272.650	6655.47	4742.26	674.58	-4706.87	0.72	
11218.00	89.100	271.950	6656.62	4834.22	678.27	-4798.79	0.86	
11310.00	87.840	270.030	6659.08	4926.05	679.86	-4890.74	2.50	
11403.00	87.960	269.530	6662.48	5018.74	679.50	-4983.67	0.55	
11496.00	89.010	269.610	6664.94	5111.44	678.81	-5076.64	1.13	
11588.00	89.870	268.940	6665.84	5203.12	677.64	-5168.62	1.18	
11681.00	91.170	269.450	6665.00	5295.79	676.33	-5261.61	1.50	
11773.00	90.330	269.340	6663.79	5387.49	675.36	-5353.60	0.92	
11866.00	89.900	269.510	6663.61	5480.20	674.43	-5446.59	0.50	
11959.00	91.440	269.670	6662.52	5572.92	673.76	-5539.58	1.66	
12052.00	90.670	269.920	6660.81	5665.66	673.43	-5632.56	0.87	
12145.00	89.560	270.000	6660.62	5758.43	673.37	-5725.56	1.20	
12238.00	88.670	270.030	6662.06	5851.19	673.39	-5818.55	0.96	
12329.00	90.430	267.950	6662.77	5941.84	671.79	-5909.52	2.99	
12421.00	90.890	268.640	6661.71	6033.38	669.05	-6001.47	0.90	
12514.00	90.670	268.430	6660.45	6125.96	666.67	-6094.44	0.33	
12605.00	91.200	269.050	6658.96	6216.56	664.67	-6185.40	0.90	
12697.00	89.160	270.550	6658.67	6308.31	664.35	-6277.39	2.75	
12790.00	88.440	270.370	6660.62	6401.12	665.10	-6370.37	0.80	
12882.00	87.500	270.080	6663.88	6492.86	665.46	-6462.31	1.07	
12974.00	88.150	269.850	6667.37	6584.57	665.40	-6554.24	0.75	
13066.00	90.370	268.710	6668.56	6676.25	664.25	-6646.22	2.71	
13158.00	89.190	269.100	6668.91	6767.89	662.49	-6738.20	1.35	
13264.00	88.890	269.900	6670.69	6873.55	661.56	-6844.18	0.81	
13380.00	90.370	268.130	6671.44	6989.11	659.57	-6960.15	1.99	



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWP
Facility	SEC.21-T07N-R62W		

WELLPATH DATA (153 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
13434.00	90.370	269.820	6671.09	7042.90	658.60	-7014.14	3.13	
13526.00	89.840	269.430	6670.92	7134.63	658.00	-7106.14	0.72	
13618.00	90.520	270.070	6670.63	7226.38	657.60	-7198.14	1.02	
13710.00	91.070	270.190	6669.35	7318.17	657.81	-7290.13	0.61	
13803.00	90.700	270.240	6667.92	7410.96	658.16	-7383.12	0.40	
13895.00	90.210	270.240	6667.19	7502.76	658.54	-7475.11	0.53	
13987.00	92.000	269.790	6665.41	7594.52	658.57	-7567.09	2.01	
14080.00	92.030	270.320	6662.14	7687.25	658.66	-7660.03	0.57	
14165.00	90.090	270.600	6660.57	7772.07	659.34	-7745.01	2.31	
14250.00	89.720	269.830	6660.71	7856.89	659.66	-7830.01	1.01	
14336.00	90.330	270.560	6660.67	7942.70	659.95	-7916.01	1.11	
14421.00	90.360	271.640	6660.16	8027.59	661.58	-8000.99	1.27	
14507.00	89.780	270.640	6660.06	8113.48	663.29	-8086.97	1.34	
14592.00	89.690	269.950	6660.45	8198.31	663.73	-8171.97	0.82	
14678.00	89.900	269.590	6660.76	8284.08	663.39	-8257.97	0.48	
14762.00	89.470	269.270	6661.22	8367.81	662.55	-8341.96	0.64	
14848.00	89.720	268.440	6661.83	8453.47	660.83	-8427.94	1.01	
14933.00	89.190	267.420	6662.64	8537.99	657.76	-8512.88	1.35	
15019.00	89.100	268.480	6663.92	8623.50	654.69	-8598.81	1.24	
15105.00	89.780	270.480	6664.76	8709.23	653.90	-8684.80	2.46	
15190.00	89.780	271.840	6665.09	8794.13	655.63	-8769.78	1.60	
15276.00	89.380	271.280	6665.72	8880.05	657.97	-8855.75	0.80	
15361.00	88.950	271.370	6666.96	8964.95	659.93	-8940.71	0.52	
15446.00	90.890	271.510	6667.07	9049.86	662.07	-9025.68	2.29	
15532.00	91.260	271.760	6665.46	9135.78	664.52	-9111.63	0.52	
15617.00	90.830	271.770	6663.91	9220.70	667.14	-9196.58	0.51	
15702.00	89.130	271.000	6663.94	9305.61	669.19	-9281.55	2.20	
15788.00	88.640	270.830	6665.61	9391.47	670.57	-9367.52	0.60	
15873.00	88.790	271.080	6667.52	9476.33	671.98	-9452.49	0.34	
15958.00	88.390	271.600	6669.61	9561.22	673.97	-9537.44	0.77	



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWB
Facility	SEC.21-T07N-R62W		

WELLPATH DATA (153 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
16044.00	88.270	271.510	6672.12	9647.10	676.30	-9623.37	0.17	
16186.00	87.840	272.170	6676.94	9788.92	680.86	-9765.22	0.55	LAST BHI MWD SURVEY
16252.00	87.840	272.170	6679.42	9854.84	683.36	-9831.12	0.00	PROJECTION TO BIT (658'FNL & 614'FWL, SEC.20)

HOLE & CASING SECTIONS -

Ref Wellbore: STATE CROW VALLEY 41-21-20XRLNB AWB Ref Wellpath: STATE CROW VALLEY 41-21-20XRLNB 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	17.00	535.00	518.00	17.00	534.98	0.00	0.00	0.44	-3.92
8.75in Open Hole	535.00	7236.00	6701.00	534.98	6670.07	0.44	-3.92	616.08	-820.40
7in Casing Intermediate	17.00	7225.00	7208.00	17.00	6669.11	0.00	0.00	616.25	-809.44
6.125in Open Hole	7236.00	16252.00	9016.00	6670.07	6679.42	616.08	-820.40	683.36	-9831.12



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWB
Facility	SEC.21-T07N-R62W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.20-T07N-R62W	0.00	-40.44	1.11	3328201.24	1450173.22	40°33'47.246"N	104°19'07.342"W	polygon
SEC.21-T07N-R62W	0.00	-40.44	1.11	3328201.24	1450173.22	40°33'47.246"N	104°19'07.342"W	polygon
STATE CROW VALLEY 41-21-20XRLNB BHL ON PLAT (660'FNL & 610'FWL, SEC.20)	6624.00	681.79	-9835.55	3318356.13	1450764.33	40°33'54.364"N	104°21'14.796"W	point
STATE CROW VALLEY 41-21-20XRLNB ENTRY POINT (660'FNL & 531'FEL, SEC.21)	6624.00	632.83	-185.32	3328005.87	1450843.92	40°33'53.899"N	104°19'09.757"W	point
SEC.20/21-T07N-R62W 460' HARDLINES	6660.00	-40.44	1.11	3328201.24	1450173.22	40°33'47.246"N	104°19'07.342"W	polygon

WELLPATH COMPOSITION -				
Ref Wellbore: STATE CROW VALLEY 41-21-20XRLNB AWB		Ref Wellpath: STATE CROW VALLEY 41-21-20XRLNB AWP		
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	7173.00	NaviTrak (MagCorr)	BHI MWD/NAVITRAK (MAGCORR) 8.75" HOLE <587-7173>	STATE CROW VALLEY 41-21-20XRLNB AWB
7173.00	16186.00	NaviTrak (MagCorr)	BHI MWD/NAVITRAK (MAGCORR) 6.125" HOLE <7299-16186>	STATE CROW VALLEY 41-21-20XRLNB AWB
16186.00	16252.00	Blind Drilling (std)	Projection to bit	STATE CROW VALLEY 41-21-20XRLNB AWB



Actual Wellpath Report

STATE CROW VALLEY 41-21-20XRLNB AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE CROW VALLEY 41-21-20XRLNB (1293'FNL & 342'FEL, SEC.21)
Area	COLORADO	Well	STATE CROW VALLEY 41-21-20XRLNB
Field	WELD COUNTY	Wellbore	STATE CROW VALLEY 41-21-20XRLNB AWP
Facility	SEC.21-T07N-R62W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
587.00	0.960	276.430	586.97	FIRST BHI MWD SURVEY
7226.00	84.792	269.141	6669.20	ICP (679'FNL & 1156'FEL, SEC.21)
7307.00	88.091	269.288	6673.91	TOP (680'FNL & 1237'FEL, SEC.21)
16186.00	87.840	272.170	6676.94	LAST BHI MWD SURVEY
16252.00	87.840	272.170	6679.42	PROJECTION TO BIT (658'FNL & 614'FWL, SEC.20)