



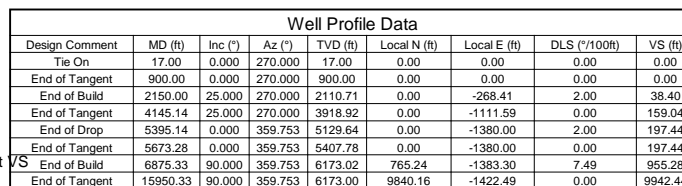
**BONANZA
CREEK**



**BAKER
HUGHES**

True vertical depths are referenced to CADE 22 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to CADE 22 (RKB)	North Reference: True north
CADE 22 (RKB) to Mean Sea Level: 4592 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOTH02 STATE ANTELOPE E-12-1XRLNC (330FSL & 1390FWL, SEC. 12): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: quanelar on 3/5/2014

Facility Name				Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC 12-T2N-R62W				3340907.222	1394206.948	40°24'32.544"N	104°16'32.736"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
SLOT#02 STATE ANTELOPE E-12-1XRLNC (330FSL & 1300FWL,SEC.12)	-21.86	2.78	3340910.308	1394185.131	40°24'32.328"N	104°16'32.700"W	
CADE 22 (R#B) to Mud line (At Slot: SLOT#02 STATE ANTELOPE E-12-1XRLNC (330FSL & 1300FWL,SEC.12))						4592ft	
Mean Sea Level to Mud line (At Slot: SLOT#02 STATE ANTELOPE E-12-1XRLNC (330FSL & 1300FWL,SEC.12))						0ft	
CADE 22 (R#B) to Mean Sea Level						4592ft	



Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
17.00	17000.00	NavTrak	NavTrak (Standard)		STATE ANTELOPE E-12-1XRLNC PIW/B

MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
15069.33	90.000	359.753	6173.00	9840.16	-1422.49	3330352.17	1404004.30	40°26'09.564"N	104°16'51.096"W

Scale 1 inch = 2500 ft

Easting (ft)

-2500 -1250 0 1250 2500 3750

11250
10000
8750
7500
6250
5000
3750
2500
1250
0
-1250

STATE ANTELOPE E-12-1XRLNC BHL REV-1
From Plat (470'FNL & 10'FWL, SEC.1)

sin Casing Production :
39.83ft N, 1422.49ft W

HARDLINES
(460'FNL/FSL & 0' FEL/FWL)

SECTION 1

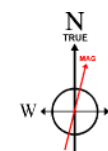
SECTION 12

7in Casing Intermediate :
6173.02ft TVD, 765.24ft N, 1383.30ft W

SLOT#02 STATE ANTELOPE E-12-1XRLNC
(330'FSL & 1390'FWL, SEC.12)

VS (ft)
0.00
0.00
38.40
159.04
197.44
197.44
955.28
9942.44
C.PWB
Longitude
851.096"W

SLOT#02 STATE ANTELOPE E-12-1XRLNC
(330'FSL & 1390'FWL,SEC.12)



BGGM (1945.0 to 2015.0) Dip: 67.03° Field: 52819.6 nT
Magnetic North is 8.27 degrees East of True North (at 3/5/2014)

To correct azimuth from Magnetic to True add 8.27 degrees

Azimuth 351.77° with reference 0.00 N, 0.00 E

Scale 1 inch = 1500 ft



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP
Page 1 of 9



REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

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	0.999961	Report Generated	3/5/2014 at 3:07:12 PM
Convergence at slot	n/a	Database/Source file	WA_Denver/STATE_ANTELOPE_E-12-1XRLNC_PWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-21.86	2.78	3340910.31	1394185.13	40°24'32.328"N	104°16'32.700"W
Facility Reference Pt			3340907.22	1394206.95	40°24'32.544"N	104°16'32.736"W
Field Reference Pt			3327718.19	1377782.99	40°21'52.020"N	104°19'26.040"W

WELLPATH DATUM			
Calculation method	Minimum curvature	CADE 22 (RKB) to Facility Vertical Datum	4592.00ft
Horizontal Reference Pt	Slot	CADE 22 (RKB) to Mean Sea Level	4592.00ft
Vertical Reference Pt	CADE 22 (RKB)	CADE 22 (RKB) to Mud Line at Slot (SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12))	4592.00ft
MD Reference Pt	CADE 22 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	351.77°



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

WELLPATH DATA (168 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	270.000	0.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
17.00	0.000	270.000	17.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	Tie On
117.00†	0.000	270.000	117.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
217.00†	0.000	270.000	217.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
317.00†	0.000	270.000	317.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
417.00†	0.000	270.000	417.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
517.00†	0.000	270.000	517.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
617.00†	0.000	270.000	617.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
717.00†	0.000	270.000	717.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
817.00†	0.000	270.000	817.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	
900.00	0.000	270.000	900.00	0.00	0.00	0.00	40°24'32.328"N	104°16'32.700"W	0.00	End of Tangent
917.00†	0.340	270.000	917.00	0.01	0.00	-0.05	40°24'32.328"N	104°16'32.701"W	2.00	
1017.00†	2.340	270.000	1016.97	0.34	0.00	-2.39	40°24'32.328"N	104°16'32.731"W	2.00	
1117.00†	4.340	270.000	1116.79	1.18	0.00	-8.21	40°24'32.328"N	104°16'32.806"W	2.00	
1217.00†	6.340	270.000	1216.35	2.51	0.00	-17.52	40°24'32.328"N	104°16'32.926"W	2.00	
1317.00†	8.340	270.000	1315.53	4.33	0.00	-30.30	40°24'32.328"N	104°16'33.092"W	2.00	
1417.00†	10.340	270.000	1414.20	6.66	0.00	-46.52	40°24'32.328"N	104°16'33.301"W	2.00	
1517.00†	12.340	270.000	1512.24	9.47	0.00	-66.19	40°24'32.328"N	104°16'33.556"W	2.00	
1617.00†	14.340	270.000	1609.54	12.77	0.00	-89.26	40°24'32.328"N	104°16'33.854"W	2.00	
1717.00†	16.340	270.000	1705.97	16.56	0.00	-115.71	40°24'32.328"N	104°16'34.196"W	2.00	
1817.00†	18.340	270.000	1801.42	20.82	0.00	-145.51	40°24'32.328"N	104°16'34.581"W	2.00	
1917.00†	20.340	270.000	1895.77	25.56	0.00	-178.63	40°24'32.328"N	104°16'35.009"W	2.00	
2017.00†	22.340	270.000	1988.91	30.76	0.00	-215.02	40°24'32.328"N	104°16'35.480"W	2.00	
2117.00†	24.340	270.000	2080.72	36.43	0.00	-254.63	40°24'32.328"N	104°16'35.992"W	2.00	
2150.00	25.000	270.000	2110.71	38.40	0.00	-268.41	40°24'32.328"N	104°16'36.170"W	2.00	End of Build
2217.00†	25.000	270.000	2171.43	42.45	0.00	-296.72	40°24'32.328"N	104°16'36.536"W	0.00	
2317.00†	25.000	270.000	2262.07	48.50	0.00	-338.99	40°24'32.328"N	104°16'37.082"W	0.00	
2417.00†	25.000	270.000	2352.70	54.55	0.00	-381.25	40°24'32.328"N	104°16'37.628"W	0.00	
2517.00†	25.000	270.000	2443.33	60.59	0.00	-423.51	40°24'32.328"N	104°16'38.175"W	0.00	
2617.00†	25.000	270.000	2533.96	66.64	0.00	-465.77	40°24'32.328"N	104°16'38.721"W	0.00	



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

WELLPATH DATA (168 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2717.00†	25.000	270.000	2624.59	72.69	0.00	-508.03	40°24'32.328"N	104°16'39.267"W	0.00	
2817.00†	25.000	270.000	2715.22	78.73	0.00	-550.29	40°24'32.328"N	104°16'39.814"W	0.00	
2917.00†	25.000	270.000	2805.85	84.78	0.00	-592.56	40°24'32.328"N	104°16'40.360"W	0.00	
3017.00†	25.000	270.000	2896.48	90.83	0.00	-634.82	40°24'32.328"N	104°16'40.906"W	0.00	
3117.00†	25.000	270.000	2987.11	96.87	0.00	-677.08	40°24'32.328"N	104°16'41.453"W	0.00	
3217.00†	25.000	270.000	3077.74	102.92	0.00	-719.34	40°24'32.328"N	104°16'41.999"W	0.00	
3317.00†	25.000	270.000	3168.37	108.96	0.00	-761.60	40°24'32.328"N	104°16'42.545"W	0.00	
3417.00†	25.000	270.000	3259.00	115.01	0.00	-803.87	40°24'32.328"N	104°16'43.092"W	0.00	
3517.00†	25.000	270.000	3349.63	121.06	0.00	-846.13	40°24'32.328"N	104°16'43.638"W	0.00	
3617.00†	25.000	270.000	3440.27	127.10	0.00	-888.39	40°24'32.328"N	104°16'44.184"W	0.00	
3717.00†	25.000	270.000	3530.90	133.15	0.00	-930.65	40°24'32.328"N	104°16'44.731"W	0.00	
3817.00†	25.000	270.000	3621.53	139.20	0.00	-972.91	40°24'32.328"N	104°16'45.277"W	0.00	
3917.00†	25.000	270.000	3712.16	145.24	0.00	-1015.17	40°24'32.328"N	104°16'45.823"W	0.00	
4017.00†	25.000	270.000	3802.79	151.29	0.00	-1057.44	40°24'32.328"N	104°16'46.370"W	0.00	
4117.00†	25.000	270.000	3893.42	157.34	0.00	-1099.70	40°24'32.328"N	104°16'46.916"W	0.00	
4145.14	25.000	270.000	3918.92	159.04	0.00	-1111.59	40°24'32.328"N	104°16'47.070"W	0.00	End of Tangent
4217.00†	23.563	270.000	3984.42	163.27	0.00	-1141.14	40°24'32.328"N	104°16'47.452"W	2.00	
4317.00†	21.563	270.000	4076.77	168.76	0.00	-1179.51	40°24'32.328"N	104°16'47.948"W	2.00	
4417.00†	19.563	270.000	4170.39	173.78	0.00	-1214.63	40°24'32.328"N	104°16'48.402"W	2.00	
4517.00†	17.563	270.000	4265.18	178.33	0.00	-1246.46	40°24'32.328"N	104°16'48.813"W	2.00	
4617.00†	15.563	270.000	4361.03	182.41	0.00	-1274.97	40°24'32.328"N	104°16'49.182"W	2.00	
4717.00†	13.563	270.000	4457.81	186.01	0.00	-1300.11	40°24'32.328"N	104°16'49.507"W	2.00	
4817.00†	11.563	270.000	4555.41	189.12	0.00	-1321.86	40°24'32.328"N	104°16'49.788"W	2.00	
4917.00†	9.563	270.000	4653.71	191.74	0.00	-1340.19	40°24'32.328"N	104°16'50.025"W	2.00	
5017.00†	7.563	270.000	4752.59	193.87	0.00	-1355.08	40°24'32.328"N	104°16'50.217"W	2.00	
5117.00†	5.563	270.000	4851.93	195.51	0.00	-1366.51	40°24'32.328"N	104°16'50.365"W	2.00	
5217.00†	3.563	270.000	4951.61	196.65	0.00	-1374.46	40°24'32.328"N	104°16'50.468"W	2.00	
5317.00†	1.563	270.000	5051.50	197.29	0.00	-1378.93	40°24'32.328"N	104°16'50.526"W	2.00	
5395.14	0.000	359.753	5129.64	197.44	0.00	-1380.00	40°24'32.328"N	104°16'50.539"W	2.00	End of Drop
5417.00†	0.000	359.753	5151.50	197.44	0.00	-1380.00	40°24'32.328"N	104°16'50.539"W	0.00	



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

WELLPATH DATA (168 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	359.753	5251.50	197.44	0.00	-1380.00	40°24'32.328"N	104°16'50.539"W	0.00	
5617.00†	0.000	359.753	5351.50	197.44	0.00	-1380.00	40°24'32.328"N	104°16'50.539"W	0.00	
5673.28	0.000	359.753	5407.78	197.44	0.00	-1380.00	40°24'32.328"N	104°16'50.539"W	0.00	End of Tangent
5717.00†	3.273	359.753	5451.47	198.68	1.25	-1380.01	40°24'32.340"N	104°16'50.539"W	7.49	
5817.00†	10.761	359.753	5550.65	210.77	13.46	-1380.06	40°24'32.461"N	104°16'50.540"W	7.49	
5917.00†	18.248	359.753	5647.40	235.55	38.48	-1380.17	40°24'32.708"N	104°16'50.542"W	7.49	
6017.00†	25.735	359.753	5740.05	272.61	75.90	-1380.33	40°24'33.078"N	104°16'50.544"W	7.49	
6117.00†	33.222	359.753	5827.05	321.31	125.08	-1380.54	40°24'33.564"N	104°16'50.546"W	7.49	
6217.00†	40.710	359.753	5906.89	380.82	185.17	-1380.80	40°24'34.157"N	104°16'50.550"W	7.49	
6317.00†	48.197	359.753	5978.22	450.12	255.15	-1381.10	40°24'34.849"N	104°16'50.554"W	7.49	
6417.00†	55.684	359.753	6039.82	528.04	333.83	-1381.44	40°24'35.626"N	104°16'50.558"W	7.49	
6517.00†	63.171	359.753	6090.65	613.25	419.87	-1381.81	40°24'36.477"N	104°16'50.563"W	7.49	
6617.00†	70.658	359.753	6129.83	704.28	511.79	-1382.21	40°24'37.385"N	104°16'50.568"W	7.49	
6717.00†	78.146	359.753	6156.70	799.60	608.04	-1382.63	40°24'38.336"N	104°16'50.574"W	7.49	
6817.00†	85.633	359.753	6170.80	897.57	706.97	-1383.05	40°24'39.314"N	104°16'50.579"W	7.49	
6875.33	90.000	359.753	6173.02	955.28	765.24	-1383.30	40°24'39.889"N	104°16'50.583"W	7.49	End of Build
6917.00†	90.000	359.753	6173.02	996.55	806.91	-1383.48	40°24'40.301"N	104°16'50.585"W	0.00	
7017.00†	90.000	359.753	6173.02	1095.58	906.91	-1383.92	40°24'41.289"N	104°16'50.591"W	0.00	
7117.00†	90.000	359.753	6173.02	1194.61	1006.91	-1384.35	40°24'42.278"N	104°16'50.596"W	0.00	
7217.00†	90.000	359.753	6173.02	1293.65	1106.91	-1384.78	40°24'43.266"N	104°16'50.602"W	0.00	
7317.00†	90.000	359.753	6173.02	1392.68	1206.91	-1385.21	40°24'44.254"N	104°16'50.608"W	0.00	
7417.00†	90.000	359.753	6173.02	1491.71	1306.91	-1385.64	40°24'45.242"N	104°16'50.613"W	0.00	
7517.00†	90.000	359.753	6173.02	1590.74	1406.91	-1386.08	40°24'46.230"N	104°16'50.619"W	0.00	
7617.00†	90.000	359.753	6173.02	1689.77	1506.91	-1386.51	40°24'47.218"N	104°16'50.625"W	0.00	
7717.00†	90.000	359.753	6173.02	1788.81	1606.90	-1386.94	40°24'48.206"N	104°16'50.630"W	0.00	
7817.00†	90.000	359.753	6173.02	1887.84	1706.90	-1387.37	40°24'49.195"N	104°16'50.636"W	0.00	
7917.00†	90.000	359.753	6173.02	1986.87	1806.90	-1387.80	40°24'50.183"N	104°16'50.642"W	0.00	
8017.00†	90.000	359.753	6173.02	2085.90	1906.90	-1388.23	40°24'51.171"N	104°16'50.647"W	0.00	
8117.00†	90.000	359.753	6173.02	2184.93	2006.90	-1388.67	40°24'52.159"N	104°16'50.653"W	0.00	
8217.00†	90.000	359.753	6173.02	2283.97	2106.90	-1389.10	40°24'53.147"N	104°16'50.659"W	0.00	



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

WELLPATH DATA (168 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	359.753	6173.02	2383.00	2206.90	-1389.53	40°24'54.135"N	104°16'50.664"W	0.00	
8417.00†	90.000	359.753	6173.02	2482.03	2306.90	-1389.96	40°24'55.123"N	104°16'50.670"W	0.00	
8517.00†	90.000	359.753	6173.02	2581.06	2406.90	-1390.39	40°24'56.112"N	104°16'50.675"W	0.00	
8617.00†	90.000	359.753	6173.02	2680.09	2506.90	-1390.83	40°24'57.100"N	104°16'50.681"W	0.00	
8717.00†	90.000	359.753	6173.02	2779.13	2606.89	-1391.26	40°24'58.088"N	104°16'50.687"W	0.00	
8817.00†	90.000	359.753	6173.02	2878.16	2706.89	-1391.69	40°24'59.076"N	104°16'50.692"W	0.00	
8917.00†	90.000	359.753	6173.02	2977.19	2806.89	-1392.12	40°25'00.064"N	104°16'50.698"W	0.00	
9017.00†	90.000	359.753	6173.02	3076.22	2906.89	-1392.55	40°25'01.052"N	104°16'50.704"W	0.00	
9117.00†	90.000	359.753	6173.02	3175.25	3006.89	-1392.98	40°25'02.041"N	104°16'50.709"W	0.00	
9217.00†	90.000	359.753	6173.02	3274.29	3106.89	-1393.42	40°25'03.029"N	104°16'50.715"W	0.00	
9317.00†	90.000	359.753	6173.02	3373.32	3206.89	-1393.85	40°25'04.017"N	104°16'50.721"W	0.00	
9417.00†	90.000	359.753	6173.02	3472.35	3306.89	-1394.28	40°25'05.005"N	104°16'50.726"W	0.00	
9517.00†	90.000	359.753	6173.02	3571.38	3406.89	-1394.71	40°25'05.993"N	104°16'50.732"W	0.00	
9617.00†	90.000	359.753	6173.02	3670.42	3506.89	-1395.14	40°25'06.981"N	104°16'50.738"W	0.00	
9717.00†	90.000	359.753	6173.02	3769.45	3606.89	-1395.58	40°25'07.969"N	104°16'50.743"W	0.00	
9817.00†	90.000	359.753	6173.02	3868.48	3706.88	-1396.01	40°25'08.958"N	104°16'50.749"W	0.00	
9917.00†	90.000	359.753	6173.01	3967.51	3806.88	-1396.44	40°25'09.946"N	104°16'50.755"W	0.00	
10017.00†	90.000	359.753	6173.01	4066.54	3906.88	-1396.87	40°25'10.934"N	104°16'50.760"W	0.00	
10117.00†	90.000	359.753	6173.01	4165.58	4006.88	-1397.30	40°25'11.922"N	104°16'50.766"W	0.00	
10217.00†	90.000	359.753	6173.01	4264.61	4106.88	-1397.73	40°25'12.910"N	104°16'50.772"W	0.00	
10317.00†	90.000	359.753	6173.01	4363.64	4206.88	-1398.17	40°25'13.898"N	104°16'50.777"W	0.00	
10417.00†	90.000	359.753	6173.01	4462.67	4306.88	-1398.60	40°25'14.887"N	104°16'50.783"W	0.00	
10517.00†	90.000	359.753	6173.01	4561.70	4406.88	-1399.03	40°25'15.875"N	104°16'50.789"W	0.00	
10617.00†	90.000	359.753	6173.01	4660.74	4506.88	-1399.46	40°25'16.863"N	104°16'50.794"W	0.00	
10717.00†	90.000	359.753	6173.01	4759.77	4606.88	-1399.89	40°25'17.851"N	104°16'50.800"W	0.00	
10817.00†	90.000	359.753	6173.01	4858.80	4706.88	-1400.32	40°25'18.839"N	104°16'50.806"W	0.00	
10917.00†	90.000	359.753	6173.01	4957.83	4806.87	-1400.76	40°25'19.827"N	104°16'50.811"W	0.00	
11017.00†	90.000	359.753	6173.01	5056.86	4906.87	-1401.19	40°25'20.815"N	104°16'50.817"W	0.00	
11117.00†	90.000	359.753	6173.01	5155.90	5006.87	-1401.62	40°25'21.804"N	104°16'50.823"W	0.00	
11217.00†	90.000	359.753	6173.01	5254.93	5106.87	-1402.05	40°25'22.792"N	104°16'50.828"W	0.00	



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

WELLPATH DATA (168 stations) † = interpolated/extrapolated station										Comments
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	
11317.00†	90.000	359.753	6173.01	5353.96	5206.87	-1402.48	40°25'23.780"N	104°16'50.834"W	0.00	
11417.00†	90.000	359.753	6173.01	5452.99	5306.87	-1402.92	40°25'24.768"N	104°16'50.840"W	0.00	
11517.00†	90.000	359.753	6173.01	5552.02	5406.87	-1403.35	40°25'25.756"N	104°16'50.845"W	0.00	
11617.00†	90.000	359.753	6173.01	5651.06	5506.87	-1403.78	40°25'26.744"N	104°16'50.851"W	0.00	
11717.00†	90.000	359.753	6173.01	5750.09	5606.87	-1404.21	40°25'27.732"N	104°16'50.856"W	0.00	
11817.00†	90.000	359.753	6173.01	5849.12	5706.87	-1404.64	40°25'28.721"N	104°16'50.862"W	0.00	
11917.00†	90.000	359.753	6173.01	5948.15	5806.87	-1405.07	40°25'29.709"N	104°16'50.868"W	0.00	
12017.00†	90.000	359.753	6173.01	6047.18	5906.86	-1405.51	40°25'30.697"N	104°16'50.873"W	0.00	
12117.00†	90.000	359.753	6173.01	6146.22	6006.86	-1405.94	40°25'31.685"N	104°16'50.879"W	0.00	
12217.00†	90.000	359.753	6173.01	6245.25	6106.86	-1406.37	40°25'32.673"N	104°16'50.885"W	0.00	
12317.00†	90.000	359.753	6173.01	6344.28	6206.86	-1406.80	40°25'33.661"N	104°16'50.890"W	0.00	
12417.00†	90.000	359.753	6173.01	6443.31	6306.86	-1407.23	40°25'34.649"N	104°16'50.896"W	0.00	
12517.00†	90.000	359.753	6173.01	6542.35	6406.86	-1407.67	40°25'35.638"N	104°16'50.902"W	0.00	
12617.00†	90.000	359.753	6173.01	6641.38	6506.86	-1408.10	40°25'36.626"N	104°16'50.907"W	0.00	
12717.00†	90.000	359.753	6173.01	6740.41	6606.86	-1408.53	40°25'37.614"N	104°16'50.913"W	0.00	
12817.00†	90.000	359.753	6173.01	6839.44	6706.86	-1408.96	40°25'38.602"N	104°16'50.919"W	0.00	
12917.00†	90.000	359.753	6173.01	6938.47	6806.86	-1409.39	40°25'39.590"N	104°16'50.924"W	0.00	
13017.00†	90.000	359.753	6173.01	7037.51	6906.85	-1409.82	40°25'40.578"N	104°16'50.930"W	0.00	
13117.00†	90.000	359.753	6173.01	7136.54	7006.85	-1410.26	40°25'41.567"N	104°16'50.936"W	0.00	
13217.00†	90.000	359.753	6173.01	7235.57	7106.85	-1410.69	40°25'42.555"N	104°16'50.941"W	0.00	
13317.00†	90.000	359.753	6173.01	7334.60	7206.85	-1411.12	40°25'43.543"N	104°16'50.947"W	0.00	
13417.00†	90.000	359.753	6173.01	7433.63	7306.85	-1411.55	40°25'44.531"N	104°16'50.953"W	0.00	
13517.00†	90.000	359.753	6173.01	7532.67	7406.85	-1411.98	40°25'45.519"N	104°16'50.958"W	0.00	
13617.00†	90.000	359.753	6173.01	7631.70	7506.85	-1412.42	40°25'46.507"N	104°16'50.964"W	0.00	
13717.00†	90.000	359.753	6173.01	7730.73	7606.85	-1412.85	40°25'47.495"N	104°16'50.970"W	0.00	
13817.00†	90.000	359.753	6173.01	7829.76	7706.85	-1413.28	40°25'48.484"N	104°16'50.975"W	0.00	
13917.00†	90.000	359.753	6173.00	7928.79	7806.85	-1413.71	40°25'49.472"N	104°16'50.981"W	0.00	
14017.00†	90.000	359.753	6173.00	8027.83	7906.85	-1414.14	40°25'50.460"N	104°16'50.987"W	0.00	
14117.00†	90.000	359.753	6173.00	8126.86	8006.84	-1414.57	40°25'51.448"N	104°16'50.992"W	0.00	
14217.00†	90.000	359.753	6173.00	8225.89	8106.84	-1415.01	40°25'52.436"N	104°16'50.998"W	0.00	



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

WELLPATH DATA (168 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	359.753	6173.00	8324.92	8206.84	-1415.44	40°25'53.424"N	104°16'51.004"W	0.00	
14417.00†	90.000	359.753	6173.00	8423.95	8306.84	-1415.87	40°25'54.412"N	104°16'51.009"W	0.00	
14517.00†	90.000	359.753	6173.00	8522.99	8406.84	-1416.30	40°25'55.401"N	104°16'51.015"W	0.00	
14617.00†	90.000	359.753	6173.00	8622.02	8506.84	-1416.73	40°25'56.389"N	104°16'51.021"W	0.00	
14717.00†	90.000	359.753	6173.00	8721.05	8606.84	-1417.17	40°25'57.377"N	104°16'51.026"W	0.00	
14817.00†	90.000	359.753	6173.00	8820.08	8706.84	-1417.60	40°25'58.365"N	104°16'51.032"W	0.00	
14917.00†	90.000	359.753	6173.00	8919.12	8806.84	-1418.03	40°25'59.353"N	104°16'51.038"W	0.00	
15017.00†	90.000	359.753	6173.00	9018.15	8906.84	-1418.46	40°26'00.341"N	104°16'51.043"W	0.00	
15117.00†	90.000	359.753	6173.00	9117.18	9006.84	-1418.89	40°26'01.329"N	104°16'51.049"W	0.00	
15217.00†	90.000	359.753	6173.00	9216.21	9106.83	-1419.32	40°26'02.318"N	104°16'51.055"W	0.00	
15317.00†	90.000	359.753	6173.00	9315.24	9206.83	-1419.76	40°26'03.306"N	104°16'51.060"W	0.00	
15417.00†	90.000	359.753	6173.00	9414.28	9306.83	-1420.19	40°26'04.294"N	104°16'51.066"W	0.00	
15517.00†	90.000	359.753	6173.00	9513.31	9406.83	-1420.62	40°26'05.282"N	104°16'51.071"W	0.00	
15617.00†	90.000	359.753	6173.00	9612.34	9506.83	-1421.05	40°26'06.270"N	104°16'51.077"W	0.00	
15717.00†	90.000	359.753	6173.00	9711.37	9606.83	-1421.48	40°26'07.258"N	104°16'51.083"W	0.00	
15817.00†	90.000	359.753	6173.00	9810.40	9706.83	-1421.92	40°26'08.247"N	104°16'51.088"W	0.00	
15917.00†	90.000	359.753	6173.00	9909.44	9806.83	-1422.35	40°26'09.235"N	104°16'51.094"W	0.00	
15950.33	90.000	359.753	6173.00 ¹	9942.44	9840.16	-1422.49	40°26'09.564"N	104°16'51.096"W	0.00	End of Tangent

HOLE & CASING SECTIONS -

Ref Wellbore: STATE ANTELOPE E-12-1XRLNC PWB Ref Wellpath: STATE ANTELOPE E-12-1XRLNC (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]
7in Casing Intermediate	17.00	6875.33	6858.33	17.00	6173.02	0.00	0.00	765.24	-1383.30
4.5in Casing Production	17.00	15950.33	15933.33	17.00	6173.00	0.00	0.00	9840.16	-1422.49



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
STATE ANTELOPE 24-21-12HNC SECTION 12		0.00	21.86	-2.78	3340907.22	1394206.95	40°24'32.544"N	104°16'32.736"W	polygon
STATE ANTELOPE E-12-1XRLNC SECTION 1		0.00	0.00	0.00	3340910.31	1394185.13	40°24'32.328"N	104°16'32.700"W	polygon
1) STATE ANTELOPE E-12-1XRLNC BHL REV-1 From Plat (470'FNL & 10'FWL,SEC.1)	15950.33	6173.00	9840.16	-1422.49	3339352.17	1404004.31	40°26'09.564"N	104°16'51.096"W	point
STATE ANTELOPE E-12-1XRLNC HARDLINES (460'FNL/FSL & 0' FEL/FWL)		6173.00	0.00	0.00	3340910.31	1394185.13	40°24'32.328"N	104°16'32.700"W	polygon
STATE ANTELOPE E-12-1XRLNC TARGET		6173.00	149.41	-1381.28	3339527.16	1394315.45	40°24'33.804"N	104°16'50.556"W	point

SURVEY PROGRAM -				
Ref Wellbore: STATE ANTELOPE E-12-1XRLNC PWB		Ref Wellpath: STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP		
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	17000.00	NaviTrak (Standard)		STATE ANTELOPE E-12-1XRLNC PWB



Planned Wellpath Report

STATE ANTELOPE E-12-1XRLNC (REV-B.0) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#02 STATE ANTELOPE E-12-1XRLNC (330'FSL & 1390'FWL,SEC.12)
Area	COLORADO	Well	STATE ANTELOPE E-12-1XRLNC
Field	WELD COUNTY	Wellbore	STATE ANTELOPE E-12-1XRLNC PWB
Facility	SEC.12-T5N-R62W		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	270.000	17.00	Tie On
900.00	0.000	270.000	900.00	End of Tangent
2150.00	25.000	270.000	2110.71	End of Build
4145.14	25.000	270.000	3918.92	End of Tangent
5395.14	0.000	359.753	5129.64	End of Drop
5673.28	0.000	359.753	5407.78	End of Tangent
6875.33	90.000	359.753	6173.02	End of Build
15950.33	90.000	359.753	6173.00	End of Tangent