

Location:	COLORADO	Slot:	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Field:	WELD COUNTY	Well:	STATE NORTH PLATTE F11-35-2XRLNB
Facility:	SEC.26-T5N-R63W	Wellbore:	STATE NORTH PLATTE F11-35-2XRLNB PWB

True vertical depths are referenced to RIG (4555'GL + 17'RKB) (RKB)

Measured depths are referenced to RIG (4555'GL + 17'RKB) (RKB)

RIG (4555'GL + 17'RKB) (RKB) to Mean Sea Level: 4572 feet

Mean Sea Level to Mud line (At Slot: SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB): 0 feet

Coordinates are in feet referenced to Slot

Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet

North Reference: True north

Scale: True distance

Depths are in feet

Created by: bushjamh on 2017-12-15

Database: Denver

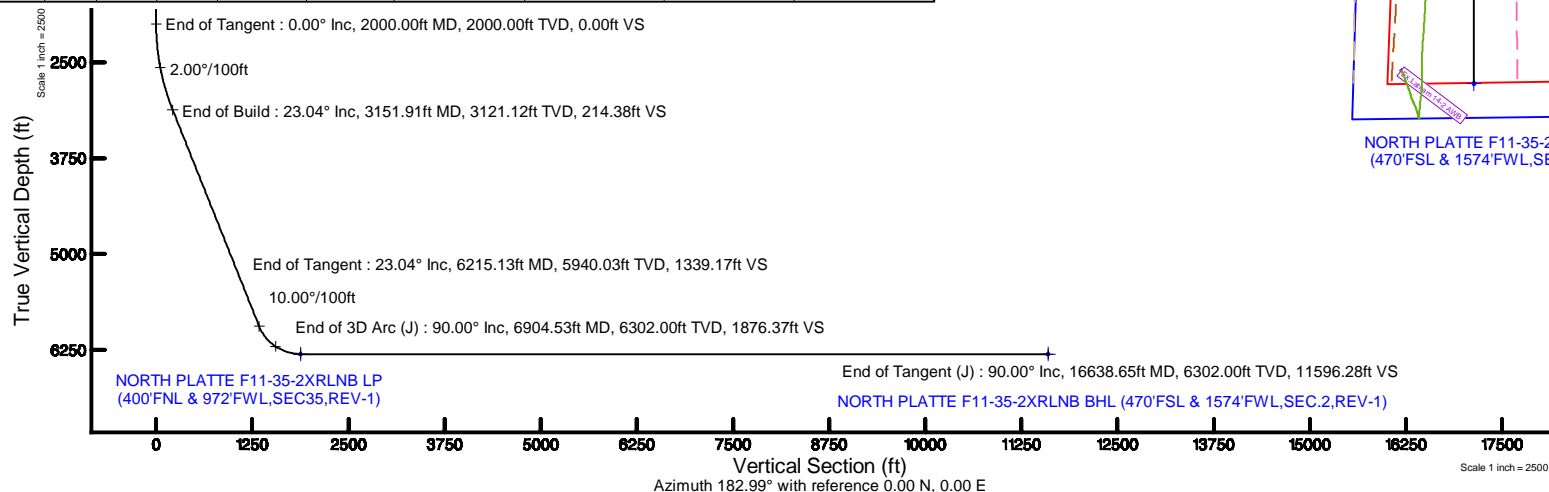
Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SEC.26-TSN-R63W			3303950.838	1381774.536	40°22'34.464"N	104°24'32.436"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
SLOT#21 STATE NORTH PLATTE F11-35-2XRUNB	-3323.60	572.36	3304564.021	1378458.375	40°22'01.621"N	104°24'25.042"W
RIG (4555'GL + 17'RKB) (RKB) to Mud line (At Slot: SLOT#21 STATE NORTH PLATTE F11-35-2XRUNB)					4572ft	
Mean Sea Level to Mud line (At Slot: SLOT#21 STATE NORTH PLATTE F11-35-2XRUNB)					0ft	
RIG (4555'GL + 17'RKB) (RKB) to Mean Sea Level					4572ft	

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	17.00	0.000	203.227	17.00	0.00	0.00	0.00	0.00
End of Tangent	2000.00	0.000	203.227	2000.00	0.00	0.00	0.00	0.00
End of Build	3151.91	23.038	203.227	3121.12	-209.97	-90.11	2.00	214.38
End of Tangent	6215.13	23.038	203.227	5940.03	-1311.58	-562.89	0.00	1339.17
End of 3D Arc (J)	6904.53	90.000	179.896	6302.00	-1846.38	-622.88	10.00	1876.37
End of Tangent (J)	16638.65	90.000	179.896	6302.00	-11580.48	-605.23	0.00	11596.28

Name	Start MD (ft)	End MD (ft)	Interval (ft)	Start TVD (ft)	End TVD (ft)	Start Local N (ft)	Start Local E (ft)	End Local N (ft)	End Local E (ft)	Wellbore
9.625in Open Hole	17.00	1550.00	1533.00	17.00	1550.00	0.00	0.00	0.00	0.00	STATE NORTH PLATTE F11-35-2XRLNB PWB

Start MD (ft)	End MD (ft)	Tool	Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NavTrak	BHI NavTrak (Rotating+Axial Corr)		STATE NORTH PLATTE F11-352XRLNB PWB
1550.00	16638.65	BHI AutoTrak Curve	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE F11-352XRLNB PWB

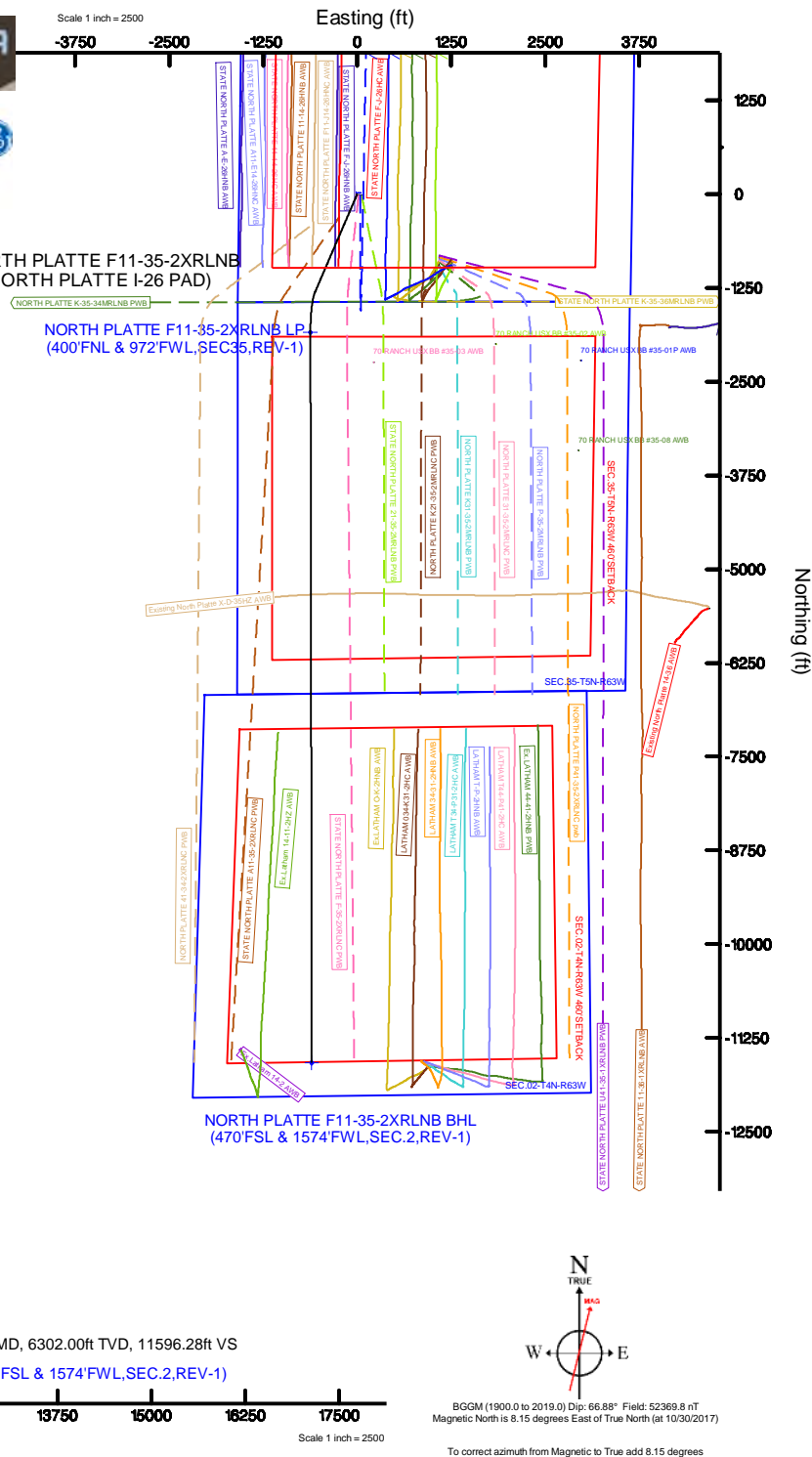
MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
16638.65	90.000	179.896	6302.00	-11580.48	-605.23	3304101.60	1366871.82	40°20'07.186"N	104°24'32.857"W



SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
(WELL 3, STATE NORTH PLATTE I-26 PAD)

Scale 1 inch = 2500

Easting (ft)





Planned Wellpath Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Ingmjmr
Scale	0.999959	Report Generated	12/15/2017 at 10:22:27 AM
Convergence at slot	0.71° East	Database/Source file	Denver/STATE_NORTH_PLATTE_F11-35-2XRLNB__REV-A.1__PWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-3323.60	572.36	3304564.02	1378458.38	40°22'01.621"N	104°24'25.042"W
Facility Reference Pt			3303950.84	1381774.54	40°22'34.464"N	104°24'32.436"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 (4555'GL + 17'RKB) (RKB) to Facility Vertical Datum	4572.00ft
Horizontal Reference Pt	Slot	RIG (4555'GL + 17'RKB) (RKB) to Mean Sea Level	4572.00ft
Vertical Reference Pt	RIG (4555'GL + 17'RKB) (RKB)	RIG (4555'GL + 17'RKB) (RKB) to Mud Line at Slot (SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB)	4572.00ft
MD Reference Pt	RIG (4555'GL + 17'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	182.99°



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH DATA (173 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	203.227	0.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
17.00	0.000	203.227	17.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	Tie On
117.00†	0.000	203.227	117.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
217.00†	0.000	203.227	217.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
317.00†	0.000	203.227	317.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
417.00†	0.000	203.227	417.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
517.00†	0.000	203.227	517.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
617.00†	0.000	203.227	617.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
717.00†	0.000	203.227	717.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
817.00†	0.000	203.227	817.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
917.00†	0.000	203.227	917.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1017.00†	0.000	203.227	1017.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1117.00†	0.000	203.227	1117.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1217.00†	0.000	203.227	1217.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1317.00†	0.000	203.227	1317.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1417.00†	0.000	203.227	1417.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1517.00†	0.000	203.227	1517.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1617.00†	0.000	203.227	1617.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1717.00†	0.000	203.227	1717.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1817.00†	0.000	203.227	1817.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
1917.00†	0.000	203.227	1917.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	
2000.00	0.000	203.227	2000.00	0.00	0.00	0.00	40°22'01.621"N	104°24'25.042"W	0.00	End of Tangent
2017.00†	0.340	203.227	2017.00	0.05	-0.05	-0.02	40°22'01.621"N	104°24'25.042"W	2.00	
2117.00†	2.340	203.227	2116.97	2.24	-2.20	-0.94	40°22'01.600"N	104°24'25.054"W	2.00	
2217.00†	4.340	203.227	2216.79	7.71	-7.55	-3.24	40°22'01.547"N	104°24'25.083"W	2.00	
2317.00†	6.340	203.227	2316.35	16.44	-16.10	-6.91	40°22'01.462"N	104°24'25.131"W	2.00	
2417.00†	8.340	203.227	2415.53	28.43	-27.84	-11.95	40°22'01.346"N	104°24'25.196"W	2.00	
2517.00†	10.340	203.227	2514.20	43.65	-42.75	-18.35	40°22'01.199"N	104°24'25.279"W	2.00	
2617.00†	12.340	203.227	2612.24	62.10	-60.82	-26.10	40°22'01.020"N	104°24'25.379"W	2.00	
2717.00†	14.340	203.227	2709.54	83.75	-82.02	-35.20	40°22'00.811"N	104°24'25.496"W	2.00	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH DATA (173 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2817.00†	16.340	203.227	2805.97	108.57	-106.33	-45.63	40°22'00.570"N	104°24'25.631"W	2.00	
2917.00†	18.340	203.227	2901.42	136.53	-133.72	-57.39	40°22'00.300"N	104°24'25.783"W	2.00	
3017.00†	20.340	203.227	2995.77	167.60	-164.15	-70.45	40°21'59.999"N	104°24'25.952"W	2.00	
3117.00†	22.340	203.227	3088.91	201.75	-197.59	-84.80	40°21'59.669"N	104°24'26.137"W	2.00	
3151.91	23.038	203.227	3121.12	214.38	-209.97	-90.11	40°21'59.546"N	104°24'26.206"W	2.00	End of Build
3217.00†	23.038	203.227	3181.02	238.28	-233.37	-100.16	40°21'59.315"N	104°24'26.336"W	0.00	
3317.00†	23.038	203.227	3273.04	275.00	-269.34	-115.59	40°21'58.960"N	104°24'26.535"W	0.00	
3417.00†	23.038	203.227	3365.07	311.72	-305.30	-131.02	40°21'58.604"N	104°24'26.734"W	0.00	
3517.00†	23.038	203.227	3457.09	348.44	-341.26	-146.46	40°21'58.249"N	104°24'26.934"W	0.00	
3617.00†	23.038	203.227	3549.12	385.16	-377.22	-161.89	40°21'57.894"N	104°24'27.133"W	0.00	
3717.00†	23.038	203.227	3641.14	421.88	-413.19	-177.33	40°21'57.538"N	104°24'27.332"W	0.00	
3817.00†	23.038	203.227	3733.16	458.60	-449.15	-192.76	40°21'57.183"N	104°24'27.532"W	0.00	
3917.00†	23.038	203.227	3825.19	495.32	-485.11	-208.19	40°21'56.827"N	104°24'27.731"W	0.00	
4017.00†	23.038	203.227	3917.21	532.03	-521.07	-223.63	40°21'56.472"N	104°24'27.931"W	0.00	
4117.00†	23.038	203.227	4009.24	568.75	-557.04	-239.06	40°21'56.117"N	104°24'28.130"W	0.00	
4217.00†	23.038	203.227	4101.26	605.47	-593.00	-254.49	40°21'55.761"N	104°24'28.329"W	0.00	
4317.00†	23.038	203.227	4193.29	642.19	-628.96	-269.93	40°21'55.406"N	104°24'28.529"W	0.00	
4417.00†	23.038	203.227	4285.31	678.91	-664.92	-285.36	40°21'55.051"N	104°24'28.728"W	0.00	
4517.00†	23.038	203.227	4377.34	715.63	-700.89	-300.80	40°21'54.695"N	104°24'28.928"W	0.00	
4617.00†	23.038	203.227	4469.36	752.35	-736.85	-316.23	40°21'54.340"N	104°24'29.127"W	0.00	
4717.00†	23.038	203.227	4561.38	789.07	-772.81	-331.66	40°21'53.984"N	104°24'29.326"W	0.00	
4817.00†	23.038	203.227	4653.41	825.79	-808.78	-347.10	40°21'53.629"N	104°24'29.526"W	0.00	
4917.00†	23.038	203.227	4745.43	862.51	-844.74	-362.53	40°21'53.274"N	104°24'29.725"W	0.00	
5017.00†	23.038	203.227	4837.46	899.23	-880.70	-377.97	40°21'52.918"N	104°24'29.924"W	0.00	
5117.00†	23.038	203.227	4929.48	935.95	-916.66	-393.40	40°21'52.563"N	104°24'30.124"W	0.00	
5217.00†	23.038	203.227	5021.51	972.66	-952.63	-408.83	40°21'52.208"N	104°24'30.323"W	0.00	
5317.00†	23.038	203.227	5113.53	1009.38	-988.59	-424.27	40°21'51.852"N	104°24'30.523"W	0.00	
5417.00†	23.038	203.227	5205.55	1046.10	-1024.55	-439.70	40°21'51.497"N	104°24'30.722"W	0.00	
5517.00†	23.038	203.227	5297.58	1082.82	-1060.51	-455.14	40°21'51.141"N	104°24'30.921"W	0.00	
5617.00†	23.038	203.227	5389.60	1119.54	-1096.48	-470.57	40°21'50.786"N	104°24'31.121"W	0.00	



Planned Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH DATA (173 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5717.00†	23.038	203.227	5481.63	1156.26	-1132.44	-486.00	40°21'50.431"N	104°24'31.320"W	0.00	
5817.00†	23.038	203.227	5573.65	1192.98	-1168.40	-501.44	40°21'50.075"N	104°24'31.519"W	0.00	
5917.00†	23.038	203.227	5665.68	1229.70	-1204.36	-516.87	40°21'49.720"N	104°24'31.719"W	0.00	
6017.00†	23.038	203.227	5757.70	1266.42	-1240.33	-532.31	40°21'49.365"N	104°24'31.918"W	0.00	
6117.00†	23.038	203.227	5849.72	1303.14	-1276.29	-547.74	40°21'49.009"N	104°24'32.118"W	0.00	
6215.13	23.038	203.227	5940.03	1339.17	-1311.58	-562.89	40°21'48.660"N	104°24'32.313"W	0.00	End of Tangent
6217.00†	23.208	203.026	5941.75	1339.86	-1312.26	-563.17	40°21'48.654"N	104°24'32.317"W	10.00	
6317.00†	32.535	195.205	6030.08	1384.77	-1356.45	-577.97	40°21'48.217"N	104°24'32.508"W	10.00	
6417.00†	42.146	190.621	6109.51	1444.45	-1415.53	-591.24	40°21'47.633"N	104°24'32.679"W	10.00	
6517.00†	51.883	187.490	6177.62	1517.11	-1487.69	-602.58	40°21'46.920"N	104°24'32.826"W	10.00	
6617.00†	61.683	185.103	6232.34	1600.52	-1570.74	-611.65	40°21'46.100"N	104°24'32.943"W	10.00	
6717.00†	71.517	183.123	6272.01	1692.16	-1662.17	-618.16	40°21'45.196"N	104°24'33.027"W	10.00	
6817.00†	81.369	181.361	6295.42	1789.25	-1759.18	-621.93	40°21'44.237"N	104°24'33.076"W	10.00	
6904.53	90.000	179.896	6302.00†	1876.37	-1846.38	-622.88	40°21'43.376"N	104°24'33.088"W	10.00	End of 3D Arc (J)
6917.00†	90.000	179.896	6302.00	1888.82	-1858.85	-622.86	40°21'43.253"N	104°24'33.088"W	0.00	
7017.00†	90.000	179.896	6302.00	1988.67	-1958.84	-622.68	40°21'42.264"N	104°24'33.085"W	0.00	
7117.00†	90.000	179.896	6302.00	2088.53	-2058.84	-622.49	40°21'41.276"N	104°24'33.083"W	0.00	
7217.00†	90.000	179.896	6302.00	2188.38	-2158.84	-622.31	40°21'40.288"N	104°24'33.081"W	0.00	
7317.00†	90.000	179.896	6302.00	2288.24	-2258.84	-622.13	40°21'39.300"N	104°24'33.078"W	0.00	
7417.00†	90.000	179.896	6302.00	2388.09	-2358.84	-621.95	40°21'38.312"N	104°24'33.076"W	0.00	
7517.00†	90.000	179.896	6302.00	2487.94	-2458.84	-621.77	40°21'37.324"N	104°24'33.073"W	0.00	
7617.00†	90.000	179.896	6302.00	2587.80	-2558.84	-621.59	40°21'36.335"N	104°24'33.071"W	0.00	
7717.00†	90.000	179.896	6302.00	2687.65	-2658.84	-621.41	40°21'35.347"N	104°24'33.069"W	0.00	
7817.00†	90.000	179.896	6302.00	2787.51	-2758.84	-621.23	40°21'34.359"N	104°24'33.066"W	0.00	
7917.00†	90.000	179.896	6302.00	2887.36	-2858.84	-621.04	40°21'33.371"N	104°24'33.064"W	0.00	
8017.00†	90.000	179.896	6302.00	2987.21	-2958.84	-620.86	40°21'32.383"N	104°24'33.062"W	0.00	
8117.00†	90.000	179.896	6302.00	3087.07	-3058.84	-620.68	40°21'31.395"N	104°24'33.059"W	0.00	
8217.00†	90.000	179.896	6302.00	3186.92	-3158.84	-620.50	40°21'30.406"N	104°24'33.057"W	0.00	
8317.00†	90.000	179.896	6302.00	3286.78	-3258.84	-620.32	40°21'29.418"N	104°24'33.054"W	0.00	
8417.00†	90.000	179.896	6302.00	3386.63	-3358.84	-620.14	40°21'28.430"N	104°24'33.052"W	0.00	



Planned Wellpath Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH DATA (173 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8517.00†	90.000	179.896	6302.00	3486.48	-3458.84	-619.96	40°21'27.442"N	104°24'33.050"W	0.00	
8617.00†	90.000	179.896	6302.00	3586.34	-3558.84	-619.77	40°21'26.454"N	104°24'33.047"W	0.00	
8717.00†	90.000	179.896	6302.00	3686.19	-3658.84	-619.59	40°21'25.466"N	104°24'33.045"W	0.00	
8817.00†	90.000	179.896	6302.00	3786.05	-3758.84	-619.41	40°21'24.477"N	104°24'33.043"W	0.00	
8917.00†	90.000	179.896	6302.00	3885.90	-3858.84	-619.23	40°21'23.489"N	104°24'33.040"W	0.00	
9017.00†	90.000	179.896	6302.00	3985.76	-3958.84	-619.05	40°21'22.501"N	104°24'33.038"W	0.00	
9117.00†	90.000	179.896	6302.00	4085.61	-4058.84	-618.87	40°21'21.513"N	104°24'33.035"W	0.00	
9217.00†	90.000	179.896	6302.00	4185.46	-4158.84	-618.69	40°21'20.525"N	104°24'33.033"W	0.00	
9317.00†	90.000	179.896	6302.00	4285.32	-4258.84	-618.50	40°21'19.537"N	104°24'33.031"W	0.00	
9417.00†	90.000	179.896	6302.00	4385.17	-4358.84	-618.32	40°21'18.548"N	104°24'33.028"W	0.00	
9517.00†	90.000	179.896	6302.00	4485.03	-4458.84	-618.14	40°21'17.560"N	104°24'33.026"W	0.00	
9617.00†	90.000	179.896	6302.00	4584.88	-4558.84	-617.96	40°21'16.572"N	104°24'33.024"W	0.00	
9717.00†	90.000	179.896	6302.00	4684.73	-4658.84	-617.78	40°21'15.584"N	104°24'33.021"W	0.00	
9817.00†	90.000	179.896	6302.00	4784.59	-4758.84	-617.60	40°21'14.596"N	104°24'33.019"W	0.00	
9917.00†	90.000	179.896	6302.00	4884.44	-4858.84	-617.42	40°21'13.607"N	104°24'33.016"W	0.00	
10017.00†	90.000	179.896	6302.00	4984.30	-4958.84	-617.24	40°21'12.619"N	104°24'33.014"W	0.00	
10117.00†	90.000	179.896	6302.00	5084.15	-5058.84	-617.05	40°21'11.631"N	104°24'33.012"W	0.00	
10217.00†	90.000	179.896	6302.00	5184.00	-5158.84	-616.87	40°21'10.643"N	104°24'33.009"W	0.00	
10317.00†	90.000	179.896	6302.00	5283.86	-5258.84	-616.69	40°21'09.655"N	104°24'33.007"W	0.00	
10417.00†	90.000	179.896	6302.00	5383.71	-5358.84	-616.51	40°21'08.667"N	104°24'33.005"W	0.00	
10517.00†	90.000	179.896	6302.00	5483.57	-5458.84	-616.33	40°21'07.678"N	104°24'33.002"W	0.00	
10617.00†	90.000	179.896	6302.00	5583.42	-5558.84	-616.15	40°21'06.690"N	104°24'33.000"W	0.00	
10717.00†	90.000	179.896	6302.00	5683.27	-5658.84	-615.97	40°21'05.702"N	104°24'32.997"W	0.00	
10817.00†	90.000	179.896	6302.00	5783.13	-5758.84	-615.78	40°21'04.714"N	104°24'32.995"W	0.00	
10917.00†	90.000	179.896	6302.00	5882.98	-5858.84	-615.60	40°21'03.726"N	104°24'32.993"W	0.00	
11017.00†	90.000	179.896	6302.00	5982.84	-5958.84	-615.42	40°21'02.738"N	104°24'32.990"W	0.00	
11117.00†	90.000	179.896	6302.00	6082.69	-6058.84	-615.24	40°21'01.749"N	104°24'32.988"W	0.00	
11217.00†	90.000	179.896	6302.00	6182.54	-6158.84	-615.06	40°21'00.761"N	104°24'32.986"W	0.00	
11317.00†	90.000	179.896	6302.00	6282.40	-6258.84	-614.88	40°20'59.773"N	104°24'32.983"W	0.00	
11417.00†	90.000	179.896	6302.00	6382.25	-6358.84	-614.70	40°20'58.785"N	104°24'32.981"W	0.00	



Planned Wellpath Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH DATA (173 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	179.896	6302.00	6482.11	-6458.84	-614.51	40°20'57.797"N	104°24'32.978"W	0.00	
11617.00†	90.000	179.896	6302.00	6581.96	-6558.84	-614.33	40°20'56.809"N	104°24'32.976"W	0.00	
11717.00†	90.000	179.896	6302.00	6681.82	-6658.84	-614.15	40°20'55.820"N	104°24'32.974"W	0.00	
11817.00†	90.000	179.896	6302.00	6781.67	-6758.84	-613.97	40°20'54.832"N	104°24'32.971"W	0.00	
11917.00†	90.000	179.896	6302.00	6881.52	-6858.84	-613.79	40°20'53.844"N	104°24'32.969"W	0.00	
12017.00†	90.000	179.896	6302.00	6981.38	-6958.84	-613.61	40°20'52.856"N	104°24'32.967"W	0.00	
12117.00†	90.000	179.896	6302.00	7081.23	-7058.84	-613.43	40°20'51.868"N	104°24'32.964"W	0.00	
12217.00†	90.000	179.896	6302.00	7181.09	-7158.84	-613.24	40°20'50.880"N	104°24'32.962"W	0.00	
12317.00†	90.000	179.896	6302.00	7280.94	-7258.84	-613.06	40°20'49.891"N	104°24'32.959"W	0.00	
12417.00†	90.000	179.896	6302.00	7380.79	-7358.84	-612.88	40°20'48.903"N	104°24'32.957"W	0.00	
12517.00†	90.000	179.896	6302.00	7480.65	-7458.84	-612.70	40°20'47.915"N	104°24'32.955"W	0.00	
12617.00†	90.000	179.896	6302.00	7580.50	-7558.84	-612.52	40°20'46.927"N	104°24'32.952"W	0.00	
12717.00†	90.000	179.896	6302.00	7680.36	-7658.84	-612.34	40°20'45.939"N	104°24'32.950"W	0.00	
12817.00†	90.000	179.896	6302.00	7780.21	-7758.84	-612.16	40°20'44.951"N	104°24'32.948"W	0.00	
12917.00†	90.000	179.896	6302.00	7880.06	-7858.84	-611.98	40°20'43.962"N	104°24'32.945"W	0.00	
13017.00†	90.000	179.896	6302.00	7979.92	-7958.84	-611.79	40°20'42.974"N	104°24'32.943"W	0.00	
13117.00†	90.000	179.896	6302.00	8079.77	-8058.83	-611.61	40°20'41.986"N	104°24'32.940"W	0.00	
13217.00†	90.000	179.896	6302.00	8179.63	-8158.83	-611.43	40°20'40.998"N	104°24'32.938"W	0.00	
13317.00†	90.000	179.896	6302.00	8279.48	-8258.83	-611.25	40°20'40.010"N	104°24'32.936"W	0.00	
13417.00†	90.000	179.896	6302.00	8379.33	-8358.83	-611.07	40°20'39.021"N	104°24'32.933"W	0.00	
13517.00†	90.000	179.896	6302.00	8479.19	-8458.83	-610.89	40°20'38.033"N	104°24'32.931"W	0.00	
13617.00†	90.000	179.896	6302.00	8579.04	-8558.83	-610.71	40°20'37.045"N	104°24'32.929"W	0.00	
13717.00†	90.000	179.896	6302.00	8678.90	-8658.83	-610.52	40°20'36.057"N	104°24'32.926"W	0.00	
13817.00†	90.000	179.896	6302.00	8778.75	-8758.83	-610.34	40°20'35.069"N	104°24'32.924"W	0.00	
13917.00†	90.000	179.896	6302.00	8878.61	-8858.83	-610.16	40°20'34.081"N	104°24'32.922"W	0.00	
14017.00†	90.000	179.896	6302.00	8978.46	-8958.83	-609.98	40°20'33.092"N	104°24'32.919"W	0.00	
14117.00†	90.000	179.896	6302.00	9078.31	-9058.83	-609.80	40°20'32.104"N	104°24'32.917"W	0.00	
14217.00†	90.000	179.896	6302.00	9178.17	-9158.83	-609.62	40°20'31.116"N	104°24'32.914"W	0.00	
14317.00†	90.000	179.896	6302.00	9278.02	-9258.83	-609.44	40°20'30.128"N	104°24'32.912"W	0.00	
14417.00†	90.000	179.896	6302.00	9377.88	-9358.83	-609.25	40°20'29.140"N	104°24'32.910"W	0.00	



Planned Wellpath Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH DATA (173 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
14517.00†	90.000	179.896	6302.00	9477.73	-9458.83	-609.07	40°20'28.152"N	104°24'32.907"W	0.00	
14617.00†	90.000	179.896	6302.00	9577.58	-9558.83	-608.89	40°20'27.163"N	104°24'32.905"W	0.00	
14717.00†	90.000	179.896	6302.00	9677.44	-9658.83	-608.71	40°20'26.175"N	104°24'32.903"W	0.00	
14817.00†	90.000	179.896	6302.00	9777.29	-9758.83	-608.53	40°20'25.187"N	104°24'32.900"W	0.00	
14917.00†	90.000	179.896	6302.00	9877.15	-9858.83	-608.35	40°20'24.199"N	104°24'32.898"W	0.00	
15017.00†	90.000	179.896	6302.00	9977.00	-9958.83	-608.17	40°20'23.211"N	104°24'32.895"W	0.00	
15117.00†	90.000	179.896	6302.00	10076.85	-10058.83	-607.99	40°20'22.223"N	104°24'32.893"W	0.00	
15217.00†	90.000	179.896	6302.00	10176.71	-10158.83	-607.80	40°20'21.234"N	104°24'32.891"W	0.00	
15317.00†	90.000	179.896	6302.00	10276.56	-10258.83	-607.62	40°20'20.246"N	104°24'32.888"W	0.00	
15417.00†	90.000	179.896	6302.00	10376.42	-10358.83	-607.44	40°20'19.258"N	104°24'32.886"W	0.00	
15517.00†	90.000	179.896	6302.00	10476.27	-10458.83	-607.26	40°20'18.270"N	104°24'32.884"W	0.00	
15617.00†	90.000	179.896	6302.00	10576.12	-10558.83	-607.08	40°20'17.282"N	104°24'32.881"W	0.00	
15717.00†	90.000	179.896	6302.00	10675.98	-10658.83	-606.90	40°20'16.294"N	104°24'32.879"W	0.00	
15817.00†	90.000	179.896	6302.00	10775.83	-10758.83	-606.72	40°20'15.305"N	104°24'32.876"W	0.00	
15917.00†	90.000	179.896	6302.00	10875.69	-10858.83	-606.53	40°20'14.317"N	104°24'32.874"W	0.00	
16017.00†	90.000	179.896	6302.00	10975.54	-10958.83	-606.35	40°20'13.329"N	104°24'32.872"W	0.00	
16117.00†	90.000	179.896	6302.00	11075.39	-11058.83	-606.17	40°20'12.341"N	104°24'32.869"W	0.00	
16217.00†	90.000	179.896	6302.00	11175.25	-11158.83	-605.99	40°20'11.353"N	104°24'32.867"W	0.00	
16317.00†	90.000	179.896	6302.00	11275.10	-11258.83	-605.81	40°20'10.364"N	104°24'32.865"W	0.00	
16417.00†	90.000	179.896	6302.00	11374.96	-11358.83	-605.63	40°20'09.376"N	104°24'32.862"W	0.00	
16517.00†	90.000	179.896	6302.00	11474.81	-11458.83	-605.45	40°20'08.388"N	104°24'32.860"W	0.00	
16617.00†	90.000	179.896	6302.00	11574.67	-11558.83	-605.26	40°20'07.400"N	104°24'32.857"W	0.00	
16638.65	90.000	179.896	6302.00 ²	11596.28	-11580.48	-605.23	40°20'07.186"N	104°24'32.857"W	0.00	End of Tangent (J)



Planned Wellpath Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

HOLE & CASING SECTIONS									
- Ref Wellbore: STATE NORTH PLATTE F11-35-2XRLNB PWB					Ref Wellpath: STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) 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 Open Hole	17.00	1550.00	1533.00	17.00	1550.00	0.00	0.00	0.00	0.00

TARGETS										
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
SEC.26-T05N-R63W		-14.00	3282.95	-448.05	3304075.56	1381735.41	40°22'34.062"N	104°24'30.831"W	polygon	
SEC.02-T4N-R63W		0.00	12.02	-37.90	3304525.98	1378469.93	40°22'01.740"N	104°24'25.531"W	polygon	
SEC.35-T5N-R63W		0.00	12.02	-37.90	3304525.98	1378469.93	40°22'01.740"N	104°24'25.531"W	polygon	
2) NORTH PLATTE F11-35-2XRLNB BHL (470'FSL & 1574'FWL,SEC.2,REV-1)	16638.65	6302.00	-11580.48	-605.23	3304101.60	1366871.82	40°20'07.186"N	104°24'32.857"W	point	
1) NORTH PLATTE F11-35-2XRLNB LP (400'FNL & 972'FWL,SEC35,REV-1)	6904.53	6302.00	-1846.38	-622.88	3303963.97	1376604.54	40°21'43.376"N	104°24'33.088"W	point	
SEC.02-T4N-R63W 460'SETBACK		6544.00	12.02	-37.90	3304525.98	1378469.93	40°22'01.740"N	104°24'25.531"W	polygon	
SEC.26-T05N-R63W 460' SETBACK		6544.00	3282.95	-448.05	3304075.56	1381735.41	40°22'34.062"N	104°24'30.831"W	polygon	
SEC.35-T5N-R63W 460'SETBACK		6544.00	12.02	-37.90	3304525.98	1378469.93	40°22'01.740"N	104°24'25.531"W	polygon	



Planned Wellpath Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

SURVEY PROGRAM -				
Ref Wellbore: STATE NORTH PLATTE F11-35-2XRLNB PWB Ref Wellpath: STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE F11-35-2XRLNB PWB
1550.00	16638.65	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE F11-35-2XRLNB PWB



Planned Wellpath Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	203.227	17.00	Tie On
2000.00	0.000	203.227	2000.00	End of Tangent
3151.91	23.038	203.227	3121.12	End of Build
6215.13	23.038	203.227	5940.03	End of Tangent
6904.53	90.000	179.896	6302.00	End of 3D Arc (J)
16638.65	90.000	179.896	6302.00	End of Tangent (J)



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Ingmjmr
Scale	0.999959	Report Generated	12/15/2017 at 10:22:17 AM
Convergence at slot	0.71° East	Database/Source file	Denver/STATE_NORTH_PLATTE_F11-35-2XRLNB_REV-A.1_PWP_CR.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-3323.60	572.36	3304564.02	1378458.38	40°22'01.621"N	104°24'25.042"W
Facility Reference Pt			3303950.84	1381774.54	40°22'34.464"N	104°24'32.436"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 (4555'GL + 17'RKB) (RKB) to Facility Vertical Datum	4572.00ft
Horizontal Reference Pt	Slot	RIG (4555'GL + 17'RKB) (RKB) to Mean Sea Level	4572.00ft
Vertical Reference Pt	RIG (4555'GL + 17'RKB) (RKB)	RIG (4555'GL + 17'RKB) (RKB) to Mud Line at Slot (SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB)	4572.00ft
MD Reference Pt	RIG (4555'GL + 17'RKB) (RKB)		
Field Vertical Reference	Mean Sea Level		

POSITIONAL UNCERTAINTY CALCULATION SETTINGS

Ellipse Confidence Limit	3.00 Std Dev	Ellipse Start MD	17.00ft	Surface Position Uncertainty	included
Declination	8.15° East of TN	Dip Angle	66.88°	Mag Field Strength	52370 nT
Slot Surface Uncertainty @1SD		Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft	Vertical	3.000ft

Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

ANTI-COLLISION RULE			
Rule Name	Baker Hughes Stop Drilling (offset is HSE risk)	Rule Based On	Ratio
Plane of Rule	Closest Approach	Threshold Value	1.00
Include Casing & Hole Size	yes	Apply Cone of Safety	no

HOLE & CASING SECTIONS - Ref Wellbore: STATE NORTH PLATTE F11-35-2XRLNB PWB Ref Wellpath: STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) 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 Open Hole	17.00	1550.00	1533.00	17.00	1550.00	0.00	0.00	0.00	0.00

SURVEY PROGRAM - Ref Wellbore: STATE NORTH PLATTE F11-35-2XRLNB PWB Ref Wellpath: STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE F11-35-2XRLNB PWB
1550.00	16638.65	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE F11-35-2XRLNB PWB



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CALCULATION RANGE & CUTOFF		
From: 17.00ft MD	To: 16638.65ft MD	C-C Cutoff: 1000.00 ft

OFFSET WELL CLEARANCE SUMMARY (49 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.36-T5N-R63W	SLOT#03 Existing North Platte X-D-35HZ (1090'FSL & 1093'FWL,SEC.36)	North Platte X-D-35HZ	Existing North Platte X-D-35HZ AWB	Existing North Platte X-D-35HZ AWP	10399.00	0.90	10399.00	10399.66	0.01	14917.00	FAIL
SEC.26-T5N-R63W	SLOT#25 NORTH PLATTE K-35-34MRLNB	NORTH PLATTE K-35-34MRLNB	NORTH PLATTE K-35-34MRLNB PWB	NORTH PLATTE K-35-34MRLNB (REV-A.0) PWP	6543.70	118.73	6543.70	6597.16	0.36	6597.16	FAIL
SEC.26-T5N-R63W	SLOT#22 STATE NORTH PLATTE F-35-2XRLNC	STATE NORTH PLATTE F-35-2XRLNC	STATE NORTH PLATTE F-35-2XRLNC PWB	STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP	17.00	20.82	2000.00	16638.65	0.77	16638.65	FAIL
SEC.26-T5N-R63W	SLOT#20 STATE NORTH PLATTE A11-35-2XRLNC	STATE NORTH PLATTE A11-35-2XRLNC	STATE NORTH PLATTE A11-35-2XRLNC PWB	STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP	17.00	19.29	5317.00	2131.37	1.13	16638.65	PASS
SEC.02-T4N-R63W	SLOT#09 Ex.Latham 14-11-2HZ (613'FSL & 734'FWL,SEC.2)	Ex.Latham 14-11-2HZ	Ex.Latham 14-11-2HZ AWB	Ex.Latham 14-11-2HZ AWP	12229.50	438.78	12229.50	12251.75	1.20	16638.65	PASS
SEC.26-T5N-R63W	SLOT#19 NORTH PLATTE 41-34-2XRLNC	NORTH PLATTE 41-34-2XRLNC	NORTH PLATTE 41-34-2XRLNC PWB	NORTH PLATTE 41-34-2XRLNC (REV-A.0) PWP	17.00	39.76	2000.00	16638.65	2.11	16638.65	PASS
SEC.26-T5N-R63W	SLOT#23 STATE NORTH PLATTE 21-35-2MRLNB	STATE NORTH PLATTE 21-35-2MRLNB	STATE NORTH PLATTE 21-35-2MRLNB PWB	STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP	17.00	60.56	2000.00	11763.22	2.27	11763.22	PASS
SEC.02-T4N-R63W	SLOT#08 Ex.Latham 14-2 (614'FSL & 719'FWL,SEC.2)	Ex.Latham 14-2	Ex.Latham 14-2 AWB	Ex.Latham 14-2 AWP	16478.88	958.12	16478.88	16539.26	2.36	16539.26	PASS
SEC.26-T5N-R63W	SLOT#24 STATE NORTH PLATTE J24-F21-26HNC	STATE NORTH PLATTE J24-F21-26HNC	STATE NORTH PLATTE J24-F21-26HNC PWB	STATE NORTH PLATTE J24-F21-26HNC (REV-A.0) PWP	17.00	40.37	6317.00	2053.90	2.38	6417.00	PASS
SEC.02-T4N-R63W	SLOT#02 Ex.LATHAM O-K-2HNB (295'FSL & 2162'FEL,SEC.2)	Ex.LATHAM O-K-2HNB	Ex.LATHAM O-K-2HNB AWB	Ex.LATHAM O-K-2HNB AWP	16638.65	1011.08	16638.65	16638.65	2.50	16638.65	PASS
SEC.02-T4N-R63W	SLOT#03 LATHAM 034-K31-2HC (328'FSL & 2195'FEL,SEC.2)	LATHAM 034-K31-2HC	LATHAM 034-K31-2HC AWB	LATHAM 034-K31-2HC AWP	16638.65	1352.22	16638.65	16638.65	3.27	16638.65	PASS
SEC.35-T05N-R63W	SLOT#01 EX 70 RANCH USX BB #35-03 (803'FNL & 1808'FWL, SEC.35, 6672, SI)	70 RANCH USX BB #35-03	70 RANCH USX BB #35-03 AWB	70 RANCH USX BB #35-03 AWP	7304.50	838.42	7304.50	7317.00	3.38	7317.00	PASS
SEC.26-T5N-R63W	SLOT#27 NORTH PLATTE K21-35-2MRLNC	NORTH PLATTE K21-35-2MRLNC	NORTH PLATTE K21-35-2MRLNC PWB	NORTH PLATTE K21-35-2MRLNC (REV-B.0) PWP	4429.50	1349.80	11717.00	11776.22	3.63	11776.22	PASS
SEC.02-T4N-R63W	SLOT#07 LATHAM 34-31-2HNB (385'FSL & 2252'FEL,SEC.2)	LATHAM 34-31-2HNB	LATHAM 34-31-2HNB AWB	LATHAM 34-31-2HNB AWP	14397.00	1706.06	15617.00	16638.65	4.21	16638.65	PASS
SEC.26-T5N-R63W	SLOT#04 STATE NORTH PLATTE 11-14-26HNB (393'FNL & 956'FWL,SEC.26)	STATE NORTH PLATTE 11-14-26HNB	STATE NORTH PLATTE 11-14-26HNB AWB	STATE NORTH PLATTE 11-14-26HNB AWP	6362.00	582.11	6362.00	6369.04	4.55	6369.04	PASS
SEC.26-T5N-R63W	SLOT#13 STATE NORTH PLATTE A11-E14-26HNC (376'FNL & 1080'FWL, SEC.26)	STATE NORTH PLATTE A11-E14-26HNC	STATE NORTH PLATTE A11-E14-26HNC AWB	STATE NORTH PLATTE A11-E14-26HNC AWP	6417.00	856.77	6417.00	6470.55	4.74	6470.55	PASS
SEC.26-T5N-R63W	SLOT#31 NORTH PLATTE P41-35-2XRLNC	NORTH PLATTE P41-35-2XRLNC	NORTH PLATTE P41-35-2XRLNC pwb	NORTH PLATTE P41-35-2XRLNC (REV-A.0) PWP	2008.50	1373.19	2008.50	16638.65	4.81	16638.65	PASS
SEC.02-T4N-R63W	SLOT#04 LATHAM T34-P31-2HC (342'FSL & 2209'FEL,SEC.2)	LATHAM T34-P31-2HC	LATHAM T34-P31-2HC AWB	LATHAM T34-P31-2HC AWP	16638.65	2011.51	16638.65	16638.65	4.85	16638.65	PASS
SEC.26-T5N-R63W	SLOT#28 NORTH PLATTE K31-35-2MRLNB	NORTH PLATTE K31-35-2MRLNB	NORTH PLATTE K31-35-2MRLNB PWB	NORTH PLATTE K31-35-2MRLNB (REV-A.0) PWP	17.00	1449.24	3717.00	11864.93	4.86	11864.93	PASS
SEC.26-T5N-R63W	SLOT#01 STATE NORTH PLATTE F-J-26HNB (457'FNL & 956'FWL,SEC.26)	STATE NORTH PLATTE F-J-26HNB	STATE NORTH PLATTE F-J-26HNB AWB	STATE NORTH PLATTE F-J-26HNB AWP	6317.00	563.17	6317.00	6357.55	5.21	6357.55	PASS
SEC.26-T5N-R63W	SLOT#32 STATE NORTH PLATTE U41-35-1XRLNB	STATE NORTH PLATTE U41-35-1XRLNB	STATE NORTH PLATTE U41-35-1XRLNB PWB	STATE NORTH PLATTE U41-35-1XRLNB (REV-A.0) PWP	2008.50	1360.80	16517.00	16638.65	5.43	16638.65	PASS
SEC.26-T5N-R63W	SLOT#17 STATE NORTH PLATTE A-E-26HNB (456'FNL & 1081'FWL, SEC.26)	STATE NORTH PLATTE A-E-26HNB	STATE NORTH PLATTE A-E-26HNB AWB	STATE NORTH PLATTE A-E-26HNB AWP	6417.00	1087.63	6417.00	6490.57	5.55	6490.57	PASS
SEC.02-T4N-R63W	SLOT#06 LATHAM T-P-2HNB (371'FSL & 2238'FEL,SEC.2)	LATHAM T-P-2HNB	LATHAM T-P-2HNB AWB	LATHAM T-P-2HNB AWP	16482.00	2362.17	16482.00	16638.65	5.70	16638.65	PASS
SEC.26-T5N-R63W	SLOT#05 STATE NORTH PLATTE 11-14-26HC (377'FNL & 956'FWL,SEC.26)	STATE NORTH PLATTE 11-14-26HC	STATE NORTH PLATTE 11-14-26HC AWB	STATE NORTH PLATTE 11-14-26HC AWP	6446.52	670.32	6446.52	6446.52	5.73	6446.52	PASS
	SLOT#29 NORTH PLATTE 31-35-2MRLNC	NORTH PLATTE 31-35-2MRLNC	NORTH PLATTE 31-35-2MRLNC PWB		2008.50	1398.29	2008.50	11987.69	6.00	11987.69	PASS

OFFSET WELL CLEARANCE SUMMARY (49 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.26-T5N-R63W				NORTH PLATTE 31-35-2MRLNC (REV-A.0) PWP							



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CALCULATION RANGE & CUTOFF		
From: 17.00ft MD	To: 16638.65ft MD	C-C Cutoff: 1000.00 ft

OFFSET WELL CLEARANCE SUMMARY (49 Offset Wellpaths selected) Ratios are calculated in Closest Approach plane											
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	C-C Clearance Distance			ACR Separation Ratio			
					Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
SEC.26-T5N-R63W	SLOT#02 STATE NORTH PLATTE F-J-26HC (433'FNL & 956'FWL,SEC.26)	STATE NORTH PLATTE F-J-26HC	STATE NORTH PLATTE F-J-26HC AWB	STATE NORTH PLATTE F-J-26HC AWP	6392.00	679.54	6392.00	6436.22	6.25	6436.22	PASS
SEC.36-T5N-R63W	SLOT#04 STATE NORTH PLATTE 11-36-1XRLNB (330'FNL & 519'FWL,SEC.36)	STATE NORTH PLATTE 11-36-1XRLNB	STATE NORTH PLATTE 11-36-1XRLNB AWB	STATE NORTH PLATTE 11-36-1XRLNB AWP	3654.50	4180.95	16417.00	16638.65	6.29	16638.65	PASS
SEC.02-T4N-R63W	SLOT#05 LATHAM T44-P41-2HC (356'FSL & 2224'FEL,SEC.2)	LATHAM T44-P41-2HC	LATHAM T44-P41-2HC AWB	LATHAM T44-P41-2HC AWP	16638.65	2671.84	16638.65	16638.65	6.40	16638.65	PASS
SEC.26-T5N-R63W	SLOT#03 STATE NORTH PLATTE F11-J14-26HNC (417'FNL & 956'FWL,SEC.26)	STATE NORTH PLATTE F11-J14-26HNC	STATE NORTH PLATTE F11-J14-26HNC AWB	STATE NORTH PLATTE F11-J14-26HNC AWP	6377.00	527.21	6377.00	6383.62	6.54	6383.62	PASS
SEC.26-T5N-R63W	SLOT#30 NORTH PLATTE P-35-2MRLNB	NORTH PLATTE P-35-2MRLNB	NORTH PLATTE P-35-2MRLNB PWB	NORTH PLATTE P-35-2MRLNB (REV-A.0) PWP	2008.50	1385.54	2008.50	12147.50	7.14	12147.50	PASS
SEC.02-T4N-R63W	SLOT#01 Ex.LATHAM 44-41-2HNB (282'FSL & 2149'FEL,SEC.2)	Ex.LATHAM 44-41-2HNB	Ex.LATHAM 44-41-2HNB PWB	Ex.LATHAM 44-41-2HNB AWP	12134.50	3019.42	16417.00	16638.65	7.52	16638.65	PASS
SEC.35-T05N-R63W	SLOT#02 EX 70 RANCH USX BB #35-02 (563'FNL & 1780'FWL, SEC.35, 6676, SI)	70 RANCH USX BB #35-02	70 RANCH USX BB #35-02 AWB	70 RANCH USX BB #35-02 AWP	7061.92	2464.68	7061.92	7967.30	9.74	7967.30	PASS
SEC.26-T5N-R63W	SLOT#07 STATE NORTH PLATTE 24-21-26HNB (499'FSL & 2382'FEL,SEC.26)	STATE NORTH PLATTE 24-21-26HNB	STATE NORTH PLATTE 24-21-26HNB AWB	STATE NORTH PLATTE 24-21-26HNB AWP	5678.87	908.99	5678.87	6020.81	10.77	6020.81	PASS
SEC.35-T05N-R63W	SLOT#04 EX 70 RANCH USX BB #35-08 (1980'FNL & 660'FEL, SEC.35, 6676, SI)	70 RANCH USX BB #35-08	70 RANCH USX BB #35-08 AWB	70 RANCH USX BB #35-08 AWP	8479.50	3564.18	8479.50	9271.23	12.16	9271.23	PASS
SEC.26-T5N-R63W	SLOT#09 STATE NORTH PLATTE 24-21-26HNC (539'FSL & 2383'FEL,SEC.26)	STATE NORTH PLATTE 24-21-26HNC	STATE NORTH PLATTE 24-21-26HNC AWB	STATE NORTH PLATTE 24-21-26HNC AWP	5579.50	1068.79	5579.50	6131.79	12.40	6131.79	PASS
SEC.26-T5N-R63W	SLOT#26 STATE NORTH PLATTE K-35-36MRLNB	STATE NORTH PLATTE K-35-36MRLNB	STATE NORTH PLATTE K-35-36MRLNB PWB	STATE NORTH PLATTE K-35-36MRLNB (REV-A.0) PWP	5804.50	1015.47	5804.50	5978.58	13.21	5978.58	PASS
SEC.35-T05N-R63W	SLOT#03 EX 70 RANCH USX BB #35-01P (789'FNL & 642'FEL, SEC.35, 6670, SI)	70 RANCH USX BB #35-01P	70 RANCH USX BB #35-01P AWB	70 RANCH USX BB #35-01P AWP	7289.50	3597.41	7289.50	7967.45	13.58	8217.00	PASS
SEC.26-T5N-R63W	SLOT#08 STATE NORTH PLATTE O24-K21-26HNB (519'FSL & 2382'FEL,SEC.26)	STATE NORTH PLATTE O24-K21-26HNB	STATE NORTH PLATTE O24-K21-26HNB AWB	STATE NORTH PLATTE O24-K21-26HNB AWP	5452.00	1211.20	5452.00	6146.02	14.42	6146.02	PASS
SEC.26-T5N-R63W	SLOT#10 STATE NORTH PLATTE O24-K21-26HNC (559'FSL & 2383'FEL,SEC.26)	STATE NORTH PLATTE O24-K21-26HNC	STATE NORTH PLATTE O24-K21-26HNC AWB	STATE NORTH PLATTE O24-K21-26HNC AWP	5042.00	1364.62	5042.00	6369.77	16.41	6369.77	PASS
SEC.26-T5N-R63W	SLOT#06 STATE NORTH PLATTE O-K-26HNB (479'FSL & 2382'FEL,SEC.26)	STATE NORTH PLATTE O-K-26HNB	STATE NORTH PLATTE O-K-26HNB AWB	STATE NORTH PLATTE O-K-26HNB AWP	4579.50	1521.49	4579.50	7967.14	17.75	7967.14	PASS
SEC.36-T5N-R63W	SLOT#01 STATE NORTH PLATTE K-O-36HC (350'FNL & 520'FWL,SEC.36)	STATE NORTH PLATTE K-O-36HC ST01	STATE NORTH PLATTE K-O-36HC ST01 AWB	STATE NORTH PLATTE K-O-36HC ST01 AWP	217.00	4515.18	11217.00	13117.00	18.58	13117.00	PASS
SEC.36-T5N-R63W	SLOT#02 Existing North Platte 14-36 (1075'FSL & 1093'FWL,SEC.36) 6755' TD	Existing North Platte 14-36	Existing North Platte 14-36 AWB	Existing North Platte 14-36 AWP	11054.50	4837.69	11054.50	12417.00	18.87	12417.00	PASS
SEC.36-T5N-R63W	SLOT#01 STATE NORTH PLATTE K-O-36HC (350'FNL & 520'FWL,SEC.36)	STATE NORTH PLATTE K-O-36HC	STATE NORTH PLATTE K-O-36HC AWB	STATE NORTH PLATTE K-O-36HC AWP	217.00	4515.18	9317.00	12441.90	24.15	12441.90	PASS
SEC.26-T5N-R63W	SLOT#18 NORTH PLATTE E-A-23HNC (496'FNL & 1081'FWL, SEC.26)	NORTH PLATTE E-A-23HNC	NORTH PLATTE E-A-23HNC AWB	NORTH PLATTE E-A-23HNC AWP	579.50	3311.95	579.50	7966.94	50.58	7966.94	PASS
SEC.26-T5N-R63W	SLOT#12 NORTH PLATTE E14-A11-23HNB (356'FNL & 1080'FWL, SEC.26)	NORTH PLATTE E14-A11-23HNB	NORTH PLATTE E14-A11-23HNB AWB	NORTH PLATTE E14-A11-23HNB AWP	17.00	3452.04	17.00	7966.95	52.21	7966.95	PASS
SEC.26-T5N-R63W	SLOT#15 NORTH PLATTE 24-21-23HNC (416'FNL & 1080'FWL, SEC.26)	NORTH PLATTE 24-21-23HNC	NORTH PLATTE 24-21-23HNC AWB	NORTH PLATTE 24-21-23HNC AWP	792.00	3386.96	792.00	7966.98	52.85	7966.98	PASS
SEC.26-T5N-R63W	SLOT#11 NORTH PLATTE J14-F11-23HC (336'FNL & 1080'FWL, SEC.26)	NORTH PLATTE J14-F11-23HC	NORTH PLATTE J14-F11-23HC AWB	NORTH PLATTE J14-F11-23HC AWP	17.00	3471.86	17.00	7966.96	54.04	7966.96	PASS
SEC.26-T5N-R63W	SLOT#14 NORTH PLATTE J-F-23HNB (396'FNL & 1080'FWL, SEC.26)	NORTH PLATTE J-F-23HNB	NORTH PLATTE J-F-23HNB AWB	NORTH PLATTE J-F-23HNB AWP	17.00	3412.43	817.00	7966.97	54.87	7966.97	PASS
SEC.26-T5N-R63W	SLOT#16 NORTH PLATTE O24-K21-23HNB (436'FNL & 1081'FWL, SEC.26)	NORTH PLATTE O24-K21-23HNB	NORTH PLATTE O24-K21-23HNB AWB	NORTH PLATTE O24-K21-23HNB AWP	2029.50	3362.55	2029.50	6417.00	73.94	6417.00	PASS



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ AWP												
Facility: SEC.36-T5N-R63W		Slot: SLOT#03 Existing North Platte X-D-35HZ (1090'FSL & 1093'FWL, SEC.36)		Well: North Platte X-D-35HZ		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	-3.00	17.00	-5517.75	4673.01	139.74	7230.68	25.40	293.88	PASS
117.00†	117.00	0.00	0.00	90.68	110.68	-5517.57	4673.28	139.74	7230.71	60.20	121.72	PASS
217.00†	217.00	0.00	0.00	274.99	294.97	-5515.42	4674.79	139.72	7230.46	60.22	121.66	PASS
317.00†	317.00	0.00	0.00	338.89	358.86	-5514.45	4675.12	139.71	7229.64	60.26	121.58	PASS
417.00†	417.00	0.00	0.00	468.21	488.16	-5512.52	4675.92	139.69	7228.91	60.21	121.46	PASS
517.00†	517.00	0.00	0.00	846.21	865.95	-5502.24	4671.33	139.67	7226.19	60.28	121.27	PASS
617.00†	617.00	0.00	0.00	1118.71	1137.84	-5492.99	4656.16	139.71	7219.70	60.34	121.02	PASS
717.00†	717.00	0.00	0.00	1212.80	1231.56	-5491.00	4647.98	139.75	7212.46	60.45	120.68	PASS
817.00†	817.00	0.00	0.00	2412.07	2408.95	-5445.03	4440.50	140.80	7204.21	60.36	120.73	PASS
917.00†	917.00	0.00	0.00	2720.15	2702.39	-5429.91	4348.03	141.31	7181.71	60.67	119.74	PASS
1017.00†	1017.00	0.00	0.00	2764.60	2744.43	-5427.61	4333.78	141.39	7157.14	60.96	118.75	PASS
1117.00†	1117.00	0.00	0.00	2791.65	2770.10	-5426.35	4325.34	141.44	7133.48	61.25	117.79	PASS
1217.00†	1217.00	0.00	0.00	2818.87	2796.01	-5425.21	4317.08	141.49	7110.79	61.55	116.84	PASS
1317.00†	1317.00	0.00	0.00	2864.06	2839.18	-5423.54	4303.82	141.57	7089.05	61.86	115.88	PASS
1417.00†	1417.00	0.00	0.00	2954.43	2925.64	-5419.75	4277.78	141.72	7067.47	62.23	114.84	PASS
1517.00†	1517.00	0.00	0.00	2993.33	2962.97	-5418.06	4267.01	141.78	7046.54	62.56	113.89	PASS
1617.00†	1617.00	0.00	0.00	3038.25	3006.24	-5416.19	4255.06	141.85	7026.43	62.42	113.08	PASS
1717.00†	1717.00	0.00	0.00	3709.07	3643.75	-5381.35	4051.69	143.02	7006.24	63.48	110.88	PASS
1817.00†	1817.00	0.00	0.00	9852.34	6312.41	-5324.27	-6.53	-179.93	6968.25	162.38	42.91	PASS
1917.00†	1917.00	0.00	0.00	9850.98	6312.44	-5324.24	-5.17	-179.94	6904.16	163.68	42.18	PASS
2000.00	2000.00	0.00	0.00	9849.59	6312.47	-5324.22	-3.78	-179.96	6851.62	164.76	41.59	PASS
2017.00†	2017.00	-0.05	-0.02	9849.01	6312.48	-5324.21	-3.21	-23.30	6840.90	164.97	41.47	PASS
2117.00†	2116.97	-2.20	-0.94	9847.05	6312.52	-5324.17	-1.24	-23.99	6776.88	166.27	40.76	PASS
2217.00†	2216.79	-7.55	-3.24	9847.33	6312.52	-5324.18	-1.53	-24.71	6711.30	167.65	40.03	PASS
2317.00†	2316.35	-16.10	-6.91	9849.65	6312.47	-5324.22	-3.85	-25.45	6644.17	169.07	39.30	PASS
2417.00†	2415.53	-27.84	-11.95	9851.66	6312.42	-5324.25	-5.85	-26.25	6575.55	170.46	38.57	PASS
2517.00†	2514.20	-42.75	-18.35	9854.32	6312.36	-5324.30	-8.52	-27.09	6505.45	171.85	37.85	PASS
2617.00†	2612.24	-60.82	-26.10	9857.86	6312.28	-5324.37	-12.05	-28.00	6433.93	173.25	37.14	PASS
2717.00†	2709.54	-82.02	-35.20	9862.27	6312.18	-5324.45	-16.46	-28.96	6361.01	174.66	36.42	PASS
2817.00†	2805.97	-106.33	-45.63	9867.54	6312.06	-5324.55	-21.73	-29.98	6286.74	176.08	35.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ AWP												
Facility: SEC.36-T5N-R63W Slot: SLOT#03 Existing North Platte X-D-35HZ (1090'FSL & 1093'FWL,SEC.36)				Well: North Platte X-D-35HZ				Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	9873.69	6311.92	-5324.68	-27.87	-31.06	6211.15	177.51	34.99	PASS
3017.00†	2995.77	-164.15	-70.45	9895.61	6311.39	-5325.14	-49.78	-32.01	6134.29	179.48	34.18	PASS
3117.00†	3088.91	-197.59	-84.80	9915.95	6310.81	-5325.57	-70.11	-33.05	6056.15	181.38	33.39	PASS
3151.91	3121.12	-209.97	-90.11	9919.56	6310.70	-5325.65	-73.72	-33.49	6028.59	181.92	33.14	PASS
3217.00†	3181.02	-233.37	-100.16	9926.43	6310.50	-5325.80	-80.58	-33.39	5977.19	182.91	32.68	PASS
3317.00†	3273.04	-269.34	-115.59	9937.00	6310.18	-5326.03	-91.15	-33.23	5898.73	184.46	31.98	PASS
3417.00†	3365.07	-305.30	-131.02	9945.51	6309.93	-5326.23	-99.65	-33.10	5820.91	185.98	31.30	PASS
3517.00†	3457.09	-341.26	-146.46	9952.67	6309.70	-5326.42	-106.80	-32.99	5743.75	187.47	30.64	PASS
3617.00†	3549.12	-377.22	-161.89	9959.72	6309.46	-5326.61	-113.85	-32.88	5667.30	188.98	29.99	PASS
3717.00†	3641.14	-413.19	-177.33	9966.67	6309.21	-5326.82	-120.79	-32.77	5591.57	190.53	29.35	PASS
3817.00†	3733.16	-449.15	-192.76	9975.17	6308.89	-5327.10	-129.28	-32.65	5516.59	192.16	28.71	PASS
3917.00†	3825.19	-485.11	-208.19	9989.99	6308.38	-5327.56	-144.08	-32.42	5442.39	194.05	28.05	PASS
4017.00†	3917.21	-521.07	-223.63	10009.92	6307.82	-5328.10	-163.99	-32.11	5368.99	196.16	27.37	PASS
4117.00†	4009.24	-557.04	-239.06	10046.06	6306.84	-5328.95	-200.12	-31.56	5296.38	198.90	26.63	PASS
4217.00†	4101.26	-593.00	-254.49	10069.12	6306.25	-5329.39	-223.16	-31.21	5224.59	201.19	25.97	PASS
4317.00†	4193.29	-628.96	-269.93	10078.16	6306.03	-5329.56	-232.20	-31.07	5153.71	202.97	25.39	PASS
4417.00†	4285.31	-664.92	-285.36	10087.25	6305.81	-5329.74	-241.28	-30.93	5083.78	204.78	24.83	PASS
4517.00†	4377.34	-700.89	-300.80	10096.38	6305.59	-5329.92	-250.41	-30.79	5014.85	206.61	24.27	PASS
4617.00†	4469.36	-736.85	-316.23	10107.83	6305.33	-5330.16	-261.86	-30.61	4946.94	208.54	23.72	PASS
4717.00†	4561.38	-772.81	-331.66	10120.05	6305.11	-5330.40	-274.07	-30.42	4880.11	210.52	23.18	PASS
4817.00†	4653.41	-808.78	-347.10	10131.50	6304.96	-5330.60	-285.52	-30.25	4814.39	212.47	22.66	PASS
4917.00†	4745.43	-844.74	-362.53	10139.98	6304.86	-5330.76	-294.00	-30.12	4749.83	214.33	22.16	PASS
5017.00†	4837.46	-880.70	-377.97	10148.65	6304.78	-5330.93	-302.66	-29.98	4686.49	216.19	21.68	PASS
5117.00†	4929.48	-916.66	-393.40	10157.51	6304.71	-5331.11	-311.52	-29.85	4624.42	218.06	21.21	PASS
5217.00†	5021.51	-952.63	-408.83	10168.59	6304.63	-5331.34	-322.59	-29.68	4563.66	220.02	20.74	PASS
5317.00†	5113.53	-988.59	-424.27	10180.57	6304.56	-5331.60	-334.58	-29.49	4504.26	222.00	20.29	PASS
5417.00†	5205.55	-1024.55	-439.70	10192.66	6304.49	-5331.88	-346.66	-29.31	4446.28	223.97	19.85	PASS
5517.00†	5297.58	-1060.51	-455.14	10204.18	6304.42	-5332.15	-358.18	-29.13	4389.76	225.90	19.43	PASS
5617.00†	5389.60	-1096.48	-470.57	10215.61	6304.34	-5332.43	-369.60	-28.95	4334.78	227.80	19.03	PASS
5717.00†	5481.63	-1132.44	-486.00	10226.92	6304.24	-5332.73	-380.91	-28.78	4281.38	229.68	18.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ AWP												
Facility: SEC.36-T5N-R63W		Slot: SLOT#03 Existing North Platte X-D-35HZ (1090'FSL & 1093'FWL,SEC.36)				Well: North Platte X-D-35HZ		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	10238.13	6304.13	-5333.04	-392.12	-28.60	4229.63	231.50	18.27	PASS
5917.00†	5665.68	-1204.36	-516.87	10249.24	6304.01	-5333.36	-403.22	-28.43	4179.59	233.29	17.92	PASS
6017.00†	5757.70	-1240.33	-532.31	10262.74	6303.85	-5333.76	-416.72	-28.22	4131.32	235.11	17.57	PASS
6117.00†	5849.72	-1276.29	-547.74	10278.12	6303.66	-5334.22	-432.08	-27.98	4084.88	236.95	17.24	PASS
6215.13	5940.03	-1311.58	-562.89	10293.91	6303.46	-5334.69	-447.87	-27.74	4041.13	238.71	16.93	PASS
6217.00†	5941.75	-1312.26	-563.17	10294.22	6303.45	-5334.70	-448.18	-27.55	4040.31	238.74	16.92	PASS
6317.00†	6030.08	-1356.45	-577.97	10310.02	6303.20	-5335.17	-463.96	-20.63	3989.71	240.59	16.58	PASS
6417.00†	6109.51	-1415.53	-591.24	10323.71	6302.95	-5335.58	-477.64	-17.10	3926.47	242.68	16.18	PASS
6517.00†	6177.62	-1487.69	-602.58	10335.70	6302.74	-5335.94	-489.63	-15.27	3851.94	244.39	15.76	PASS
6617.00†	6232.34	-1570.74	-611.65	10346.24	6302.58	-5336.25	-500.17	-14.60	3767.81	245.74	15.33	PASS
6717.00†	6272.01	-1662.17	-618.16	10350.89	6302.52	-5336.39	-504.81	-15.47	3676.10	246.58	14.91	PASS
6817.00†	6295.42	-1759.18	-621.93	10354.10	6302.48	-5336.49	-508.02	-20.59	3579.13	247.10	14.48	PASS
6904.53	6302.00	-1846.38	-622.88	10355.93	6302.45	-5336.55	-509.85	-90.24	3492.00	247.32	14.12	PASS
6917.00†	6302.00	-1858.85	-622.86	10356.13	6302.45	-5336.56	-510.05	-90.24	3479.54	247.34	14.07	PASS
7017.00†	6302.00	-1958.84	-622.68	10357.69	6302.43	-5336.61	-511.61	-90.23	3379.59	247.48	13.66	PASS
7117.00†	6302.00	-2058.84	-622.49	10359.31	6302.41	-5336.66	-513.23	-90.23	3279.64	247.62	13.24	PASS
7217.00†	6302.00	-2158.84	-622.31	10360.97	6302.38	-5336.72	-514.89	-90.22	3179.69	247.77	12.83	PASS
7317.00†	6302.00	-2258.84	-622.13	10362.68	6302.36	-5336.78	-516.60	-90.21	3079.74	247.92	12.42	PASS
7417.00†	6302.00	-2358.84	-621.95	10364.45	6302.34	-5336.84	-518.36	-90.20	2979.79	248.08	12.01	PASS
7517.00†	6302.00	-2458.84	-621.77	10366.27	6302.31	-5336.90	-520.18	-90.19	2879.85	248.25	11.60	PASS
7617.00†	6302.00	-2558.84	-621.59	10368.15	6302.29	-5336.97	-522.06	-90.18	2779.91	248.42	11.19	PASS
7717.00†	6302.00	-2658.84	-621.41	10370.08	6302.27	-5337.04	-523.99	-90.17	2679.96	248.59	10.78	PASS
7817.00†	6302.00	-2758.84	-621.23	10372.08	6302.24	-5337.11	-525.99	-90.15	2580.03	248.77	10.37	PASS
7917.00†	6302.00	-2858.84	-621.04	10374.15	6302.22	-5337.19	-528.06	-90.14	2480.09	248.96	9.96	PASS
8017.00†	6302.00	-2958.84	-620.86	10376.29	6302.19	-5337.27	-530.19	-90.13	2380.15	249.15	9.55	PASS
8117.00†	6302.00	-3058.84	-620.68	10378.65	6302.16	-5337.36	-532.56	-90.11	2280.22	249.36	9.14	PASS
8217.00†	6302.00	-3158.84	-620.50	10381.63	6302.12	-5337.47	-535.53	-90.09	2180.29	249.58	8.74	PASS
8317.00†	6302.00	-3258.84	-620.32	10384.66	6302.09	-5337.59	-538.56	-90.06	2080.36	249.81	8.33	PASS
8417.00†	6302.00	-3358.84	-620.14	10387.74	6302.05	-5337.72	-541.64	-90.04	1980.43	250.05	7.92	PASS
8517.00†	6302.00	-3458.84	-619.96	10390.88	6302.01	-5337.84	-544.77	-90.01	1880.50	250.28	7.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ AWP												
Facility: SEC.36-T5N-R63W		Slot: SLOT#03 Existing North Platte X-D-35HZ (1090'FSL & 1093'FWL,SEC.36)		Well: North Platte X-D-35HZ		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8617.00†	6302.00	-3558.84	-619.77	10394.07	6301.96	-5337.97	-547.97	-89.97	1780.57	250.53	7.11	PASS
8717.00†	6302.00	-3658.84	-619.59	10397.33	6301.92	-5338.10	-551.22	-89.93	1680.65	250.78	6.70	PASS
8817.00†	6302.00	-3758.84	-619.41	10400.64	6301.88	-5338.24	-554.53	-89.89	1580.73	251.03	6.30	PASS
8917.00†	6302.00	-3858.84	-619.23	10404.02	6301.83	-5338.37	-557.90	-89.84	1480.80	251.29	5.89	PASS
9017.00†	6302.00	-3958.84	-619.05	10407.46	6301.78	-5338.52	-561.34	-89.78	1380.88	251.56	5.49	PASS
9117.00†	6302.00	-4058.84	-618.87	10411.11	6301.73	-5338.67	-564.98	-89.70	1280.96	251.83	5.09	PASS
9217.00†	6302.00	-4158.84	-618.69	10415.13	6301.68	-5338.84	-569.00	-89.61	1181.04	252.10	4.68	PASS
9317.00†	6302.00	-4258.84	-618.50	10419.16	6301.62	-5339.01	-573.02	-89.50	1081.13	252.37	4.28	PASS
9417.00†	6302.00	-4358.84	-618.32	10423.18	6301.57	-5339.18	-577.04	-89.38	981.21	252.65	3.88	PASS
9517.00†	6302.00	-4458.84	-618.14	10427.21	6301.52	-5339.35	-581.06	-89.22	881.29	252.93	3.48	PASS
9617.00†	6302.00	-4558.84	-617.96	10431.23	6301.47	-5339.52	-585.09	-89.03	781.37	253.21	3.09	PASS
9717.00†	6302.00	-4658.84	-617.78	10435.26	6301.41	-5339.69	-589.11	-88.78	681.45	253.49	2.69	PASS
9817.00†	6302.00	-4758.84	-617.60	10439.28	6301.36	-5339.86	-593.13	-88.44	581.53	253.77	2.29	PASS
9917.00†	6302.00	-4858.84	-617.42	10443.31	6301.32	-5340.03	-597.15	-87.98	481.61	254.06	1.90	PASS
10017.00†	6302.00	-4958.84	-617.24	10447.33	6301.27	-5340.19	-601.17	-87.27	381.69	254.35	1.50	PASS
10117.00†	6302.00	-5058.84	-617.05	10451.36	6301.22	-5340.36	-605.19	-86.08	281.77	254.65	1.11	PASS
10217.00†	6302.00	-5158.84	-616.87	10455.38	6301.18	-5340.53	-609.21	-83.61	181.86	254.97	0.71	FAIL
10317.00†	6302.00	-5258.84	-616.69	10459.41	6301.14	-5340.70	-613.24	-75.38	81.94	255.37	0.32	FAIL
10399.00†	6302.00	-5340.84	-616.54	10462.71	6301.10	-5340.84	-616.53	-0.59	0.90	110.39	0.01	FAIL
10399.66†	6302.00	-5341.50	-616.54	10462.74	6301.10	-5340.84	-616.56	1.16	1.11	174.77	0.01	FAIL
10417.00†	6302.00	-5358.84	-616.51	10463.43	6301.10	-5340.87	-617.26	38.39	18.01	254.17	0.07	FAIL
10517.00†	6302.00	-5458.84	-616.33	10467.46	6301.06	-5341.04	-621.28	78.77	117.91	255.56	0.46	FAIL
10617.00†	6302.00	-5558.84	-616.15	10471.48	6301.02	-5341.21	-625.30	83.64	217.82	255.92	0.85	FAIL
10717.00†	6302.00	-5658.84	-615.97	10475.71	6300.99	-5341.39	-629.52	85.53	317.74	256.30	1.24	PASS
10817.00†	6302.00	-5758.84	-615.78	10480.11	6300.94	-5341.58	-633.91	86.52	417.66	256.68	1.63	PASS
10917.00†	6302.00	-5858.84	-615.60	10484.66	6300.90	-5341.78	-638.47	87.13	517.57	257.07	2.01	PASS
11017.00†	6302.00	-5958.84	-615.42	10489.40	6300.85	-5341.99	-643.20	87.53	617.47	257.47	2.40	PASS
11117.00†	6302.00	-6058.84	-615.24	10494.31	6300.80	-5342.21	-648.10	87.82	717.38	257.88	2.78	PASS
11217.00†	6302.00	-6158.84	-615.06	10499.42	6300.74	-5342.45	-653.20	88.03	817.28	258.31	3.16	PASS
11317.00†	6302.00	-6258.84	-614.88	10504.26	6300.68	-5342.68	-658.04	88.18	917.18	258.68	3.55	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

POSITIONAL UNCERTAINTY - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ AWP

Slot Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ 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	12.00	410.00	398.00	27.00	424.96	-3363.35	2848.99	-3362.05	2849.77
7in Casing Intermediate	12.00	6740.00	6728.00	27.00	6342.89	-3363.35	2848.99	-3303.16	2370.69

WELLPATH COMPOSITION - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
12.00	10908.00	ISCWSA MWD, Rev. 3 (Standard)	3rd Party Surveys from cogcc <161'-10908'>	Existing North Platte X-D-35HZ AWB
10908.00	10960.00	Blind Drilling (std)	Projection to bit	Existing North Platte X-D-35HZ AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: Existing North Platte X-D-35HZ AWB Offset Wellpath: Existing North Platte X-D-35HZ AWP

MD Reference: Rig on SLOT#03 Existing North Platte X-D-35HZ (1090'FSL & 1093'FWL,SEC.36) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	12.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE K-35-34MRLNB PWB Offset Wellpath: NORTH PLATTE K-35-34MRLNB (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#25 NORTH PLATTE K-35-34MRLNB		Well: NORTH PLATTE K-35-34MRLNB		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-919.86	1085.41	130.28	1422.76	1.10	4739.87	PASS
117.00†	117.00	0.00	0.00	112.00	117.00	-919.86	1085.41	130.28	1422.76	2.01	1181.26	PASS
217.00†	217.00	0.00	0.00	212.00	217.00	-919.86	1085.41	130.28	1422.76	2.98	653.88	PASS
317.00†	317.00	0.00	0.00	312.00	317.00	-919.86	1085.41	130.28	1422.76	4.00	444.90	PASS
417.00†	417.00	0.00	0.00	412.00	417.00	-919.86	1085.41	130.28	1422.76	5.03	336.13	PASS
517.00†	517.00	0.00	0.00	512.00	517.00	-919.86	1085.41	130.28	1422.76	6.07	269.83	PASS
617.00†	617.00	0.00	0.00	612.00	617.00	-919.86	1085.41	130.28	1422.76	7.11	225.29	PASS
717.00†	717.00	0.00	0.00	712.00	717.00	-919.86	1085.41	130.28	1422.76	8.16	193.33	PASS
817.00†	817.00	0.00	0.00	812.00	817.00	-919.86	1085.41	130.28	1422.76	9.20	169.29	PASS
917.00†	917.00	0.00	0.00	912.00	917.00	-919.86	1085.41	130.28	1422.76	10.25	150.56	PASS
1017.00†	1017.00	0.00	0.00	1012.00	1017.00	-919.86	1085.41	130.28	1422.76	11.28	135.68	PASS
1117.00†	1117.00	0.00	0.00	1112.00	1117.00	-919.86	1085.41	130.28	1422.76	12.34	123.26	PASS
1217.00†	1217.00	0.00	0.00	1212.00	1217.00	-919.86	1085.41	130.28	1422.76	13.38	113.02	PASS
1317.00†	1317.00	0.00	0.00	1312.00	1317.00	-919.86	1085.41	130.28	1422.76	14.43	104.34	PASS
1417.00†	1417.00	0.00	0.00	1412.00	1417.00	-919.86	1085.41	130.28	1422.76	15.48	96.90	PASS
1517.00†	1517.00	0.00	0.00	1520.61	1525.61	-919.79	1085.39	130.28	1422.73	16.56	90.24	PASS
1617.00†	1617.00	0.00	0.00	1653.73	1658.68	-916.40	1084.35	130.20	1420.33	16.27	87.31	PASS
1717.00†	1717.00	0.00	0.00	1753.67	1758.55	-913.06	1083.33	130.13	1417.40	16.35	86.71	PASS
1817.00†	1817.00	0.00	0.00	1853.61	1858.43	-909.73	1082.31	130.05	1414.47	16.49	85.76	PASS
1917.00†	1917.00	0.00	0.00	1953.55	1958.31	-906.39	1081.29	129.97	1411.54	16.70	84.51	PASS
2000.00	2000.00	0.00	0.00	2024.57	2029.29	-904.09	1080.64	129.92	1409.27	16.91	83.34	PASS
2017.00†	2017.00	-0.05	-0.02	2035.97	2040.69	-903.79	1080.61	-73.33	1408.93	16.95	83.10	PASS
2117.00†	2116.97	-2.20	-0.94	2103.00	2107.71	-902.68	1081.10	-73.46	1407.75	17.24	81.67	PASS
2217.00†	2216.79	-7.55	-3.24	2169.93	2174.62	-902.64	1082.71	-73.65	1407.93	17.59	80.04	PASS
2317.00†	2316.35	-16.10	-6.91	2236.67	2241.29	-903.69	1085.45	-73.90	1409.50	18.03	78.18	PASS
2417.00†	2415.53	-27.84	-11.95	2303.11	2307.59	-905.80	1089.28	-74.21	1412.50	18.55	76.15	PASS
2517.00†	2514.20	-42.75	-18.35	2369.17	2373.39	-908.95	1094.19	-74.56	1416.99	19.11	74.15	PASS
2617.00†	2612.24	-60.82	-26.10	2434.75	2438.56	-913.11	1100.15	-74.96	1423.03	19.72	72.15	PASS
2717.00†	2709.54	-82.02	-35.20	2499.76	2502.99	-918.26	1107.11	-75.41	1430.68	20.41	70.11	PASS
2817.00†	2805.97	-106.33	-45.63	2564.12	2566.57	-924.36	1115.04	-75.88	1440.02	20.93	68.81	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE K-35-34MRLNB PWB Offset Wellpath: NORTH PLATTE K-35-34MRLNB (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#25 NORTH PLATTE K-35-34MRLNB Well: NORTH PLATTE K-35-34MRLNB Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	2627.75	2629.18	-931.36	1123.89	-76.38	1451.12	22.01	65.92	PASS
3017.00†	2995.77	-164.15	-70.45	2690.56	2690.74	-939.22	1133.60	-76.90	1464.07	22.94	63.81	PASS
3117.00†	3088.91	-197.59	-84.80	2780.53	2778.67	-951.27	1148.35	-77.82	1478.15	24.07	61.40	PASS
3151.91	3121.12	-209.97	-90.11	2812.80	2810.21	-955.59	1153.64	-78.18	1483.09	24.49	60.55	PASS
3217.00†	3181.02	-233.37	-100.16	2872.83	2868.88	-963.64	1163.48	-79.02	1492.48	25.30	58.99	PASS
3317.00†	3273.04	-269.34	-115.59	2965.05	2959.01	-976.00	1178.61	-80.31	1507.63	26.62	56.63	PASS
3417.00†	3365.07	-305.30	-131.02	3057.28	3049.14	-988.36	1193.73	-81.57	1523.60	28.02	54.38	PASS
3517.00†	3457.09	-341.26	-146.46	3149.51	3139.28	-1000.72	1208.85	-82.80	1540.37	29.47	52.28	PASS
3617.00†	3549.12	-377.22	-161.89	3241.73	3229.41	-1013.08	1223.97	-84.01	1557.93	30.96	50.33	PASS
3717.00†	3641.14	-413.19	-177.33	3333.96	3319.55	-1025.44	1239.09	-85.20	1576.24	32.49	48.52	PASS
3817.00†	3733.16	-449.15	-192.76	3426.19	3409.68	-1037.80	1254.22	-86.36	1595.27	34.05	46.85	PASS
3917.00†	3825.19	-485.11	-208.19	3518.41	3499.82	-1050.16	1269.34	-87.50	1615.01	35.64	45.31	PASS
4017.00†	3917.21	-521.07	-223.63	3610.64	3589.95	-1062.52	1284.46	-88.62	1635.42	37.26	43.89	PASS
4117.00†	4009.24	-557.04	-239.06	3702.86	3680.09	-1074.88	1299.58	-89.71	1656.48	38.90	42.58	PASS
4217.00†	4101.26	-593.00	-254.49	3795.09	3770.22	-1087.24	1314.70	-90.77	1678.17	40.56	41.38	PASS
4317.00†	4193.29	-628.96	-269.93	3887.32	3860.36	-1099.60	1329.83	-91.81	1700.46	42.23	40.26	PASS
4417.00†	4285.31	-664.92	-285.36	3979.54	3950.49	-1111.96	1344.95	-92.82	1723.33	43.92	39.24	PASS
4517.00†	4377.34	-700.89	-300.80	4071.77	4040.62	-1124.32	1360.07	-93.82	1746.75	45.62	38.29	PASS
4617.00†	4469.36	-736.85	-316.23	4164.00	4130.76	-1136.68	1375.19	-94.78	1770.71	47.33	37.41	PASS
4717.00†	4561.38	-772.81	-331.66	4256.22	4220.89	-1149.04	1390.31	-95.73	1795.19	49.05	36.60	PASS
4817.00†	4653.41	-808.78	-347.10	4348.44	4312.96	-1161.30	1405.43	-96.68	1820.67	50.76	35.89	PASS
4917.00†	4745.43	-844.74	-362.53	4440.66	4404.68	-1173.56	1420.55	-97.63	1846.15	52.47	35.18	PASS
5017.00†	4837.46	-880.70	-377.97	4532.88	4496.90	-1185.82	1435.67	-98.58	1871.63	54.18	34.47	PASS
5117.00†	4929.48	-916.66	-393.40	4625.10	4589.12	-1198.08	1450.79	-99.53	1897.11	55.89	33.76	PASS
5217.00†	5021.51	-952.63	-408.83	4717.32	4681.34	-1210.34	1465.91	-100.48	1922.59	57.60	33.05	PASS
5317.00†	5113.53	-988.59	-424.27	4809.54	4773.56	-1222.60	1481.03	-101.43	1948.07	59.31	32.34	PASS
5417.00†	5205.55	-1024.55	-439.70	4901.76	4865.78	-1234.86	1496.15	-102.38	1973.55	61.02	31.63	PASS
5517.00†	5297.58	-1060.51	-455.14	4993.98	4957.99	-1247.12	1511.27	-103.33	2000.00	62.73	30.92	PASS
5617.00†	5389.60	-1096.48	-470.57	5086.20	5050.21	-1259.38	1526.39	-104.28	2026.47	64.44	30.21	PASS
5717.00†	5481.63	-1132.44	-486.00	5178.42	5142.43	-1271.64	1541.51	-105.23	2052.94	66.15	29.50	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE K-35-34MRLNB PWB Offset Wellpath: NORTH PLATTE K-35-34MRLNB (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#25 NORTH PLATTE K-35-34MRLNB Well: NORTH PLATTE K-35-34MRLNB Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	8254.04	6290.00	-1439.27	-500.65	-115.61	765.85	146.28	5.24	PASS
5917.00†	5665.68	-1204.36	-516.87	8269.58	6290.00	-1439.32	-516.19	-116.19	667.07	147.26	4.53	PASS
6017.00†	5757.70	-1240.33	-532.31	8285.11	6290.00	-1439.36	-531.73	-116.97	568.29	148.05	3.84	PASS
6117.00†	5849.72	-1276.29	-547.74	8300.65	6290.00	-1439.41	-547.27	-118.06	469.52	148.52	3.16	PASS
6215.13	5940.03	-1311.58	-562.89	8315.90	6290.00	-1439.45	-562.51	-119.70	372.60	148.43	2.51	PASS
6217.00†	5941.75	-1312.26	-563.17	8316.19	6290.00	-1439.45	-562.80	-120.73	370.75	148.41	2.50	PASS
6317.00†	6030.08	-1356.45	-577.97	8331.12	6290.00	-1439.50	-577.73	-163.06	272.86	135.53	2.01	PASS
6417.00†	6109.51	-1415.53	-591.24	8344.56	6290.00	-1439.54	-591.17	-177.52	182.08	77.42	2.35	PASS
6517.00†	6177.62	-1487.69	-602.58	8356.11	6290.00	-1439.57	-602.72	176.89	122.25	182.48	0.67	FAIL
6543.70†	6193.61	-1508.89	-605.24	8359.06	6290.00	-1439.58	-605.68	175.83	118.73	259.17	0.46	FAIL
6597.16†	6222.63	-1553.51	-610.04	8363.76	6290.00	-1439.59	-610.37	174.39	132.35	371.41	0.36	FAIL
6617.00†	6232.34	-1570.74	-611.65	8365.41	6290.00	-1439.60	-612.03	173.90	143.26	393.50	0.36	FAIL
6717.00†	6272.01	-1662.17	-618.16	8372.19	6290.00	-1439.62	-618.81	171.70	223.28	425.99	0.52	FAIL
6817.00†	6295.42	-1759.18	-621.93	8376.24	6290.00	-1439.63	-622.86	168.69	319.60	427.37	0.75	FAIL
6904.53	6302.00	-1846.38	-622.88	8377.45	6290.00	-1439.63	-624.06	2.11	406.92	427.45	0.95	FAIL
6917.00†	6302.00	-1858.85	-622.86	8377.46	6290.00	-1439.63	-624.07	2.18	419.39	427.47	0.98	FAIL
7017.00†	6302.00	-1958.84	-622.68	8377.57	6290.00	-1439.63	-624.18	2.70	519.35	427.65	1.21	PASS
7117.00†	6302.00	-2058.84	-622.49	8377.68	6290.00	-1439.63	-624.29	3.21	619.33	427.78	1.45	PASS
7217.00†	6302.00	-2158.84	-622.31	8377.79	6290.00	-1439.63	-624.40	3.73	719.32	427.88	1.68	PASS
7317.00†	6302.00	-2258.84	-622.13	8377.90	6290.00	-1439.63	-624.51	4.25	819.30	427.97	1.91	PASS
7417.00†	6302.00	-2358.84	-621.95	8378.00	6290.00	-1439.63	-624.62	4.76	919.29	428.06	2.15	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE K-35-34MRLNB PWB Offset Wellpath: NORTH PLATTE K-35-34MRLNB (REV-A.0) PWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE K-35-34MRLNB PWB Offset Wellpath: NORTH PLATTE K-35-34MRLNB (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1555.00	-560.73	661.68	-560.60	661.64

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: NORTH PLATTE K-35-34MRLNB (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		NORTH PLATTE K-35-34MRLNB PWB
1550.00	14145.38	BHI AutoTrak Curve (Axial Corr, Short spacing)		NORTH PLATTE K-35-34MRLNB PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE K-35-34MRLNB PWB Offset Wellpath: NORTH PLATTE K-35-34MRLNB (REV-A.0) PWP	
MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#22 STATE NORTH PLATTE F-35-2XRLNC		Well: STATE NORTH PLATTE F-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	17.00	17.00	-7.29	19.51	110.48	20.82	1.40	33.37	PASS
117.00†	117.00	0.00	0.00	117.00	117.00	-7.29	19.51	110.48	20.82	2.02	16.42	PASS
217.00†	217.00	0.00	0.00	217.00	217.00	-7.29	19.51	110.48	20.82	3.00	9.10	PASS
317.00†	317.00	0.00	0.00	317.00	317.00	-7.29	19.51	110.48	20.82	4.02	6.21	PASS
417.00†	417.00	0.00	0.00	417.00	417.00	-7.29	19.51	110.48	20.82	5.06	4.70	PASS
517.00†	517.00	0.00	0.00	517.00	517.00	-7.29	19.51	110.48	20.82	6.10	3.78	PASS
617.00†	617.00	0.00	0.00	617.00	617.00	-7.29	19.51	110.48	20.82	7.14	3.16	PASS
717.00†	717.00	0.00	0.00	717.00	717.00	-7.29	19.51	110.48	20.82	8.18	2.71	PASS
817.00†	817.00	0.00	0.00	817.00	817.00	-7.29	19.51	110.48	20.82	9.23	2.38	PASS
917.00†	917.00	0.00	0.00	917.00	917.00	-7.29	19.51	110.48	20.82	10.27	2.11	PASS
1017.00†	1017.00	0.00	0.00	1017.00	1017.00	-7.29	19.51	110.48	20.82	11.32	1.90	PASS
1117.00†	1117.00	0.00	0.00	1117.00	1117.00	-7.29	19.51	110.48	20.82	12.36	1.73	PASS
1217.00†	1217.00	0.00	0.00	1217.00	1217.00	-7.29	19.51	110.48	20.82	13.41	1.59	PASS
1317.00†	1317.00	0.00	0.00	1317.00	1317.00	-7.29	19.51	110.48	20.82	14.46	1.47	PASS
1417.00†	1417.00	0.00	0.00	1417.00	1417.00	-7.29	19.51	110.48	20.82	15.50	1.36	PASS
1517.00†	1517.00	0.00	0.00	1517.00	1517.00	-7.29	19.51	110.48	20.82	16.55	1.27	PASS
1617.00†	1617.00	0.00	0.00	1617.00	1617.00	-7.29	19.51	110.48	20.82	16.27	1.28	PASS
1717.00†	1717.00	0.00	0.00	1717.00	1717.00	-7.29	19.51	110.48	20.82	16.33	1.27	PASS
1817.00†	1817.00	0.00	0.00	1817.00	1817.00	-7.29	19.51	110.48	20.82	16.46	1.27	PASS
1917.00†	1917.00	0.00	0.00	1917.00	1917.00	-7.29	19.51	110.48	20.82	16.65	1.25	PASS
2000.00	2000.00	0.00	0.00	2000.00	2000.00	-7.29	19.51	110.48	20.82	16.85	1.24	PASS
2017.00†	2017.00	-0.05	-0.02	2016.97	2016.97	-7.34	19.50	-92.75	20.84	16.90	1.23	PASS
2117.00†	2116.97	-2.20	-0.94	2116.79	2116.76	-9.65	19.24	-92.93	21.52	17.21	1.25	PASS
2217.00†	2216.79	-7.55	-3.24	2216.59	2216.38	-15.42	18.60	-93.32	23.22	17.60	1.32	PASS
2317.00†	2316.35	-16.10	-6.91	2316.36	2315.71	-24.63	17.58	-93.85	25.94	18.06	1.44	PASS
2417.00†	2415.53	-27.84	-11.95	2416.08	2414.61	-37.26	16.17	-94.40	29.67	18.60	1.60	PASS
2517.00†	2514.20	-42.75	-18.35	2515.73	2512.95	-53.30	14.39	-94.91	34.42	19.25	1.79	PASS
2617.00†	2612.24	-60.82	-26.10	2615.31	2610.59	-72.71	12.23	-95.36	40.17	20.03	2.01	PASS
2717.00†	2709.54	-82.02	-35.20	2714.79	2707.40	-95.46	9.70	-95.73	46.92	20.96	2.24	PASS
2817.00†	2805.97	-106.33	-45.63	2814.18	2803.26	-121.50	6.80	-96.02	54.65	22.07	2.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#22 STATE NORTH PLATTE F-35-2XRLNC		Well: STATE NORTH PLATTE F-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	2913.44	2898.04	-150.80	3.55	-96.23	63.37	23.37	2.71	PASS
3017.00†	2995.77	-164.15	-70.45	3012.58	2991.62	-183.30	-0.07	-96.39	73.05	24.89	2.93	PASS
3117.00†	3088.91	-197.59	-84.80	3111.94	3084.64	-218.00	-3.93	-97.28	83.52	26.59	3.14	PASS
3151.91	3121.12	-209.97	-90.11	3146.62	3117.11	-230.14	-5.28	-98.05	87.29	27.23	3.21	PASS
3217.00†	3181.02	-233.37	-100.16	3211.26	3177.61	-252.75	-7.79	-99.69	94.43	28.44	3.32	PASS
3317.00†	3273.04	-269.34	-115.59	3310.58	3270.57	-287.50	-11.66	-101.77	105.54	30.40	3.47	PASS
3417.00†	3365.07	-305.30	-131.02	3409.90	3363.53	-322.24	-15.52	-103.45	116.75	32.42	3.60	PASS
3517.00†	3457.09	-341.26	-146.46	3509.21	3456.49	-356.99	-19.39	-104.84	128.04	34.49	3.71	PASS
3617.00†	3549.12	-377.22	-161.89	3608.53	3549.46	-391.74	-23.25	-106.00	139.40	36.59	3.81	PASS
3717.00†	3641.14	-413.19	-177.33	3707.85	3642.42	-426.48	-27.12	-106.99	150.80	38.73	3.89	PASS
3817.00†	3733.16	-449.15	-192.76	3807.16	3735.38	-461.23	-30.98	-107.84	162.24	40.89	3.97	PASS
3917.00†	3825.19	-485.11	-208.19	3906.48	3828.34	-495.97	-34.84	-108.57	173.72	43.08	4.03	PASS
4017.00†	3917.21	-521.07	-223.63	4005.80	3921.30	-530.72	-38.71	-109.22	185.22	45.29	4.09	PASS
4117.00†	4009.24	-557.04	-239.06	4105.11	4014.26	-565.46	-42.57	-109.79	196.73	47.51	4.14	PASS
4217.00†	4101.26	-593.00	-254.49	4204.43	4107.22	-600.21	-46.44	-110.29	208.27	49.75	4.19	PASS
4317.00†	4193.29	-628.96	-269.93	4303.75	4200.18	-634.95	-50.30	-110.75	219.82	52.00	4.23	PASS
4417.00†	4285.31	-664.92	-285.36	4403.06	4293.14	-669.70	-54.17	-111.15	231.38	54.26	4.26	PASS
4517.00†	4377.34	-700.89	-300.80	4502.38	4386.10	-704.44	-58.03	-111.52	242.95	56.53	4.30	PASS
4617.00†	4469.36	-736.85	-316.23	4601.70	4479.06	-739.19	-61.89	-111.86	254.53	58.81	4.33	PASS
4717.00†	4561.38	-772.81	-331.66	4701.01	4572.02	-773.94	-65.76	-112.16	266.12	61.10	4.36	PASS
4817.00†	4653.41	-808.78	-347.10	4800.33	4664.98	-808.68	-69.62	-112.44	277.72	63.40	4.38	PASS
4917.00†	4745.43	-844.74	-362.53	4899.65	4757.94	-843.43	-73.49	-112.70	289.32	65.70	4.40	PASS
5017.00†	4837.46	-880.70	-377.97	4998.96	4850.90	-878.17	-77.35	-112.94	300.93	68.00	4.43	PASS
5117.00†	4929.48	-916.66	-393.40	5098.28	4943.86	-912.92	-81.22	-113.16	312.54	70.32	4.44	PASS
5217.00†	5021.51	-952.63	-408.83	5197.59	5036.82	-947.66	-85.08	-113.37	324.16	72.63	4.46	PASS
5317.00†	5113.53	-988.59	-424.27	5296.91	5129.78	-982.41	-88.94	-113.56	335.78	74.95	4.48	PASS
5417.00†	5205.55	-1024.55	-439.70	5396.23	5222.74	-1017.15	-92.81	-113.73	347.40	77.28	4.50	PASS
5517.00†	5297.58	-1060.51	-455.14	5495.54	5315.70	-1051.90	-96.67	-113.90	359.03	79.61	4.51	PASS
5617.00†	5389.60	-1096.48	-470.57	5594.86	5408.66	-1086.64	-100.54	-114.06	370.65	81.94	4.52	PASS
5717.00†	5481.63	-1132.44	-486.00	5694.18	5501.62	-1121.39	-104.40	-114.20	382.29	84.27	4.54	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#22 STATE NORTH PLATTE F-35-2XRLNC		Well: STATE NORTH PLATTE F-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	5793.49	5594.58	-1156.13	-108.26	-114.34	393.92	86.61	4.55	PASS
5917.00†	5665.68	-1204.36	-516.87	5892.81	5687.54	-1190.88	-112.13	-114.47	405.56	88.95	4.56	PASS
6017.00†	5757.70	-1240.33	-532.31	5992.13	5780.50	-1225.63	-115.99	-114.59	417.20	91.29	4.57	PASS
6117.00†	5849.72	-1276.29	-547.74	6091.44	5873.46	-1260.37	-119.86	-114.71	428.84	93.64	4.58	PASS
6215.13	5940.03	-1311.58	-562.89	6188.91	5964.69	-1294.47	-123.65	-114.82	440.26	95.94	4.59	PASS
6217.00†	5941.75	-1312.26	-563.17	6190.76	5966.42	-1295.12	-123.72	-114.61	440.48	95.98	4.59	PASS
6317.00†	6030.08	-1356.45	-577.97	6291.77	6059.76	-1333.37	-127.57	-107.40	451.97	98.42	4.59	PASS
6417.00†	6109.51	-1415.53	-591.24	6395.43	6147.79	-1387.73	-131.02	-103.68	462.65	101.66	4.55	PASS
6517.00†	6177.62	-1487.69	-602.58	6500.79	6225.77	-1458.31	-133.85	-101.48	472.11	105.77	4.46	PASS
6617.00†	6232.34	-1570.74	-611.65	6607.76	6290.40	-1543.33	-135.94	-100.12	480.02	110.69	4.34	PASS
6717.00†	6272.01	-1662.17	-618.16	6716.10	6338.64	-1640.15	-137.17	-99.30	486.08	116.30	4.18	PASS
6817.00†	6295.42	-1759.18	-621.93	6825.50	6368.03	-1745.35	-137.47	-98.88	490.07	122.45	4.00	PASS
6904.53	6302.00	-1846.38	-622.88	6921.80	6376.98	-1841.12	-136.93	-98.77	491.73	128.08	3.84	PASS
6917.00†	6302.00	-1858.85	-622.86	6934.75	6377.00	-1854.07	-136.80	-98.77	491.83	128.82	3.82	PASS
7017.00†	6302.00	-1958.84	-622.68	7034.75	6377.00	-1954.06	-135.82	-98.76	492.62	134.58	3.66	PASS
7117.00†	6302.00	-2058.84	-622.49	7134.74	6377.00	-2054.05	-134.84	-98.74	493.41	140.47	3.51	PASS
7217.00†	6302.00	-2158.84	-622.31	7234.74	6377.00	-2154.04	-133.86	-98.73	494.20	146.40	3.38	PASS
7317.00†	6302.00	-2258.84	-622.13	7334.74	6377.00	-2254.04	-132.87	-98.72	495.00	152.36	3.25	PASS
7417.00†	6302.00	-2358.84	-621.95	7434.73	6377.00	-2354.03	-131.89	-98.70	495.79	158.35	3.13	PASS
7517.00†	6302.00	-2458.84	-621.77	7534.73	6377.00	-2454.02	-130.91	-98.69	496.58	164.36	3.02	PASS
7617.00†	6302.00	-2558.84	-621.59	7634.73	6377.00	-2554.01	-129.93	-98.67	497.37	170.39	2.92	PASS
7717.00†	6302.00	-2658.84	-621.41	7734.72	6377.00	-2654.00	-128.94	-98.66	498.16	176.44	2.82	PASS
7817.00†	6302.00	-2758.84	-621.23	7834.72	6377.00	-2754.00	-127.96	-98.65	498.96	182.51	2.73	PASS
7917.00†	6302.00	-2858.84	-621.04	7934.72	6377.00	-2853.99	-126.98	-98.63	499.75	188.59	2.65	PASS
8017.00†	6302.00	-2958.84	-620.86	8034.72	6377.00	-2953.98	-126.00	-98.62	500.54	194.70	2.57	PASS
8117.00†	6302.00	-3058.84	-620.68	8134.71	6377.00	-3053.97	-125.01	-98.60	501.33	200.81	2.50	PASS
8217.00†	6302.00	-3158.84	-620.50	8234.71	6377.00	-3153.96	-124.03	-98.59	502.13	206.94	2.43	PASS
8317.00†	6302.00	-3258.84	-620.32	8334.71	6377.00	-3253.96	-123.05	-98.58	502.92	213.07	2.36	PASS
8417.00†	6302.00	-3358.84	-620.14	8434.70	6377.00	-3353.95	-122.07	-98.56	503.71	219.22	2.30	PASS
8517.00†	6302.00	-3458.84	-619.96	8534.70	6377.00	-3453.94	-121.08	-98.55	504.50	225.37	2.24	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#22 STATE NORTH PLATTE F-35-2XRLNC		Well: STATE NORTH PLATTE F-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8617.00†	6302.00	-3558.84	-619.77	8634.70	6377.00	-3553.93	-120.10	-98.54	505.30	231.54	2.18	PASS
8717.00†	6302.00	-3658.84	-619.59	8734.69	6377.00	-3653.92	-119.12	-98.52	506.09	237.71	2.13	PASS
8817.00†	6302.00	-3758.84	-619.41	8834.69	6377.00	-3753.92	-118.14	-98.51	506.88	243.89	2.08	PASS
8917.00†	6302.00	-3858.84	-619.23	8934.69	6377.00	-3853.91	-117.15	-98.50	507.67	250.08	2.03	PASS
9017.00†	6302.00	-3958.84	-619.05	9034.68	6377.00	-3953.90	-116.17	-98.48	508.46	256.27	1.98	PASS
9117.00†	6302.00	-4058.84	-618.87	9134.68	6377.00	-4053.89	-115.19	-98.47	509.26	262.47	1.94	PASS
9217.00†	6302.00	-4158.84	-618.69	9234.68	6377.00	-4153.88	-114.20	-98.46	510.05	268.68	1.90	PASS
9317.00†	6302.00	-4258.84	-618.50	9334.67	6377.00	-4253.88	-113.22	-98.44	510.84	274.89	1.86	PASS
9417.00†	6302.00	-4358.84	-618.32	9434.67	6377.00	-4353.87	-112.24	-98.43	511.64	281.10	1.82	PASS
9517.00†	6302.00	-4458.84	-618.14	9534.67	6377.00	-4453.86	-111.26	-98.42	512.43	287.32	1.78	PASS
9617.00†	6302.00	-4558.84	-617.96	9634.66	6377.00	-4553.85	-110.27	-98.40	513.22	293.54	1.75	PASS
9717.00†	6302.00	-4658.84	-617.78	9734.66	6377.00	-4653.84	-109.29	-98.39	514.01	299.77	1.71	PASS
9817.00†	6302.00	-4758.84	-617.60	9834.66	6377.00	-4753.84	-108.31	-98.38	514.81	306.00	1.68	PASS
9917.00†	6302.00	-4858.84	-617.42	9934.65	6377.00	-4853.83	-107.33	-98.36	515.60	312.24	1.65	PASS
10017.00†	6302.00	-4958.84	-617.24	10034.65	6377.00	-4953.82	-106.34	-98.35	516.39	318.48	1.62	PASS
10117.00†	6302.00	-5058.84	-617.05	10134.65	6377.00	-5053.81	-105.36	-98.34	517.18	324.72	1.59	PASS
10217.00†	6302.00	-5158.84	-616.87	10234.64	6377.00	-5153.80	-104.38	-98.33	517.98	330.97	1.57	PASS
10317.00†	6302.00	-5258.84	-616.69	10334.64	6377.00	-5253.80	-103.40	-98.31	518.77	337.22	1.54	PASS
10417.00†	6302.00	-5358.84	-616.51	10434.64	6377.00	-5353.79	-102.41	-98.30	519.56	343.47	1.51	PASS
10517.00†	6302.00	-5458.84	-616.33	10534.63	6377.00	-5453.78	-101.43	-98.29	520.36	349.72	1.49	PASS
10617.00†	6302.00	-5558.84	-616.15	10634.63	6377.00	-5553.77	-100.45	-98.28	521.15	355.98	1.46	PASS
10717.00†	6302.00	-5658.84	-615.97	10734.63	6377.00	-5653.76	-99.47	-98.26	521.94	362.23	1.44	PASS
10817.00†	6302.00	-5758.84	-615.78	10834.63	6377.00	-5753.76	-98.48	-98.25	522.73	368.50	1.42	PASS
10917.00†	6302.00	-5858.84	-615.60	10934.62	6377.00	-5853.75	-97.50	-98.24	523.53	374.76	1.40	PASS
11017.00†	6302.00	-5958.84	-615.42	11034.62	6377.00	-5953.74	-96.52	-98.22	524.32	381.02	1.38	PASS
11117.00†	6302.00	-6058.84	-615.24	11134.62	6377.00	-6053.73	-95.54	-98.21	525.11	387.29	1.36	PASS
11217.00†	6302.00	-6158.84	-615.06	11234.61	6377.00	-6153.72	-94.55	-98.20	525.91	393.56	1.34	PASS
11317.00†	6302.00	-6258.84	-614.88	11334.61	6377.00	-6253.72	-93.57	-98.19	526.70	399.83	1.32	PASS
11417.00†	6302.00	-6358.84	-614.70	11434.61	6377.00	-6353.71	-92.59	-98.17	527.49	406.10	1.30	PASS
11517.00†	6302.00	-6458.84	-614.51	11534.60	6377.00	-6453.70	-91.61	-98.16	528.29	412.38	1.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#22 STATE NORTH PLATTE F-35-2XRLNC		Well: STATE NORTH PLATTE F-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11617.00†	6302.00	-6558.84	-614.33	11634.60	6377.00	-6553.69	-90.62	-98.15	529.08	418.66	1.26	PASS
11717.00†	6302.00	-6658.84	-614.15	11734.60	6377.00	-6653.68	-89.64	-98.14	529.87	424.93	1.25	PASS
11817.00†	6302.00	-6758.84	-613.97	11834.59	6377.00	-6753.67	-88.66	-98.13	530.67	431.21	1.23	PASS
11917.00†	6302.00	-6858.84	-613.79	11934.59	6377.00	-6853.67	-87.67	-98.11	531.46	437.49	1.21	PASS
12017.00†	6302.00	-6958.84	-613.61	12034.59	6377.00	-6953.66	-86.69	-98.10	532.25	443.78	1.20	PASS
12117.00†	6302.00	-7058.84	-613.43	12134.58	6377.00	-7053.65	-85.71	-98.09	533.04	450.06	1.18	PASS
12217.00†	6302.00	-7158.84	-613.24	12234.58	6377.00	-7153.64	-84.73	-98.08	533.84	456.34	1.17	PASS
12317.00†	6302.00	-7258.84	-613.06	12334.58	6377.00	-7253.63	-83.74	-98.07	534.63	462.63	1.16	PASS
12417.00†	6302.00	-7358.84	-612.88	12434.57	6377.00	-7353.63	-82.76	-98.05	535.42	468.92	1.14	PASS
12517.00†	6302.00	-7458.84	-612.70	12534.57	6377.00	-7453.62	-81.78	-98.04	536.22	475.21	1.13	PASS
12617.00†	6302.00	-7558.84	-612.52	12634.57	6377.00	-7553.61	-80.80	-98.03	537.01	481.50	1.12	PASS
12717.00†	6302.00	-7658.84	-612.34	12734.56	6377.00	-7653.60	-79.81	-98.02	537.81	487.79	1.10	PASS
12817.00†	6302.00	-7758.84	-612.16	12834.56	6377.00	-7753.59	-78.83	-98.01	538.60	494.08	1.09	PASS
12917.00†	6302.00	-7858.84	-611.98	12934.56	6377.00	-7853.59	-77.85	-97.99	539.39	500.37	1.08	PASS
13017.00†	6302.00	-7958.84	-611.79	13034.55	6377.00	-7953.58	-76.87	-97.98	540.19	506.67	1.07	PASS
13117.00†	6302.00	-8058.83	-611.61	13134.55	6377.00	-8053.57	-75.88	-97.97	540.98	512.96	1.05	PASS
13217.00†	6302.00	-8158.83	-611.43	13234.55	6377.00	-8153.56	-74.90	-97.96	541.77	519.26	1.04	PASS
13317.00†	6302.00	-8258.83	-611.25	13334.55	6377.00	-8253.55	-73.92	-97.95	542.57	525.55	1.03	PASS
13417.00†	6302.00	-8358.83	-611.07	13434.54	6377.00	-8353.55	-72.94	-97.93	543.36	531.85	1.02	PASS
13517.00†	6302.00	-8458.83	-610.89	13534.54	6377.00	-8453.54	-71.95	-97.92	544.15	538.15	1.01	PASS
13617.00†	6302.00	-8558.83	-610.71	13634.54	6377.00	-8553.53	-70.97	-97.91	544.95	544.45	1.00	PASS
13717.00†	6302.00	-8658.83	-610.52	13734.53	6377.00	-8653.52	-69.99	-97.90	545.74	550.75	0.99	FAIL
13817.00†	6302.00	-8758.83	-610.34	13834.53	6377.00	-8753.51	-69.01	-97.89	546.53	557.05	0.98	FAIL
13917.00†	6302.00	-8858.83	-610.16	13934.53	6377.00	-8853.51	-68.02	-97.88	547.33	563.35	0.97	FAIL
14017.00†	6302.00	-8958.83	-609.98	14034.52	6377.00	-8953.50	-67.04	-97.87	548.12	569.66	0.96	FAIL
14117.00†	6302.00	-9058.83	-609.80	14134.52	6377.00	-9053.49	-66.06	-97.85	548.92	575.96	0.95	FAIL
14217.00†	6302.00	-9158.83	-609.62	14234.52	6377.00	-9153.48	-65.07	-97.84	549.71	582.26	0.94	FAIL
14317.00†	6302.00	-9258.83	-609.44	14334.51	6377.00	-9253.47	-64.09	-97.83	550.50	588.57	0.94	FAIL
14417.00†	6302.00	-9358.83	-609.25	14434.51	6377.00	-9353.47	-63.11	-97.82	551.30	594.88	0.93	FAIL
14517.00†	6302.00	-9458.83	-609.07	14534.51	6377.00	-9453.46	-62.13	-97.81	552.09	601.18	0.92	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#22 STATE NORTH PLATTE F-35-2XRLNC		Well: STATE NORTH PLATTE F-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14617.00†	6302.00	-9558.83	-608.89	14634.50	6377.00	-9553.45	-61.14	-97.80	552.88	607.49	0.91	FAIL
14717.00†	6302.00	-9658.83	-608.71	14734.50	6377.00	-9653.44	-60.16	-97.79	553.68	613.80	0.90	FAIL
14817.00†	6302.00	-9758.83	-608.53	14834.50	6377.00	-9753.43	-59.18	-97.77	554.47	620.11	0.89	FAIL
14917.00†	6302.00	-9858.83	-608.35	14934.49	6377.00	-9853.43	-58.20	-97.76	555.27	626.41	0.89	FAIL
15017.00†	6302.00	-9958.83	-608.17	15034.49	6377.00	-9953.42	-57.21	-97.75	556.06	632.72	0.88	FAIL
15117.00†	6302.00	-10058.83	-607.99	15134.49	6377.00	-10053.41	-56.23	-97.74	556.85	639.03	0.87	FAIL
15217.00†	6302.00	-10158.83	-607.80	15234.48	6377.00	-10153.40	-55.25	-97.73	557.65	645.35	0.86	FAIL
15317.00†	6302.00	-10258.83	-607.62	15334.48	6377.00	-10253.39	-54.27	-97.72	558.44	651.66	0.86	FAIL
15417.00†	6302.00	-10358.83	-607.44	15434.48	6377.00	-10353.39	-53.28	-97.71	559.24	657.97	0.85	FAIL
15517.00†	6302.00	-10458.83	-607.26	15534.47	6377.00	-10453.38	-52.30	-97.70	560.03	664.28	0.84	FAIL
15617.00†	6302.00	-10558.83	-607.08	15634.47	6377.00	-10553.37	-51.32	-97.69	560.82	670.59	0.84	FAIL
15717.00†	6302.00	-10658.83	-606.90	15734.47	6377.00	-10653.36	-50.34	-97.68	561.62	676.91	0.83	FAIL
15817.00†	6302.00	-10758.83	-606.72	15834.46	6377.00	-10753.35	-49.35	-97.66	562.41	683.22	0.82	FAIL
15917.00†	6302.00	-10858.83	-606.53	15934.46	6377.00	-10853.35	-48.37	-97.65	563.21	689.54	0.82	FAIL
16017.00†	6302.00	-10958.83	-606.35	16034.46	6377.00	-10953.34	-47.39	-97.64	564.00	695.85	0.81	FAIL
16117.00†	6302.00	-11058.83	-606.17	16134.46	6377.00	-11053.33	-46.41	-97.63	564.79	702.17	0.80	FAIL
16217.00†	6302.00	-11158.83	-605.99	16234.45	6377.00	-11153.32	-45.42	-97.62	565.59	708.48	0.80	FAIL
16317.00†	6302.00	-11258.83	-605.81	16334.45	6377.00	-11253.31	-44.44	-97.61	566.38	714.80	0.79	FAIL
16417.00†	6302.00	-11358.83	-605.63	16434.45	6377.00	-11353.31	-43.46	-97.60	567.18	721.12	0.79	FAIL
16517.00†	6302.00	-11458.83	-605.45	16534.44	6377.00	-11453.30	-42.47	-97.59	567.97	727.43	0.78	FAIL
16617.00†	6302.00	-11558.83	-605.26	16634.44	6377.00	-11553.29	-41.49	-97.58	568.77	733.75	0.78	FAIL
16638.65	6302.00	-11580.48	-605.23	16656.09	6377.00	-11574.94	-41.28	-97.58	568.94	735.12	0.77	FAIL

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) 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 Surface	17.00	1550.00	1533.00	17.00	1550.00	-4.44	11.89	-4.44	11.89

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE F-35-2XRLNC PWB
1550.00	16661.63	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE F-35-2XRLNC PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE F-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE F-35-2XRLNC (REV-A.1) PWP

MD Reference: RIG (4555'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#20 STATE NORTH PLATTE A11-35-2XRLNC		Well: STATE NORTH PLATTE A11-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	17.00	17.00	5.83	-18.39	-72.42	19.29	1.40	30.82	PASS
117.00†	117.00	0.00	0.00	117.00	117.00	5.83	-18.39	-72.42	19.29	2.02	15.17	PASS
217.00†	217.00	0.00	0.00	217.00	217.00	5.83	-18.39	-72.42	19.29	3.00	8.41	PASS
317.00†	317.00	0.00	0.00	317.00	317.00	5.83	-18.39	-72.42	19.29	4.02	5.74	PASS
417.00†	417.00	0.00	0.00	417.00	417.00	5.83	-18.39	-72.42	19.29	5.06	4.34	PASS
517.00†	517.00	0.00	0.00	517.00	517.00	5.83	-18.39	-72.42	19.29	6.10	3.49	PASS
617.00†	617.00	0.00	0.00	617.00	617.00	5.83	-18.39	-72.42	19.29	7.14	2.92	PASS
717.00†	717.00	0.00	0.00	717.00	717.00	5.83	-18.39	-72.42	19.29	8.18	2.51	PASS
817.00†	817.00	0.00	0.00	817.00	817.00	5.83	-18.39	-72.42	19.29	9.23	2.19	PASS
917.00†	917.00	0.00	0.00	917.00	917.00	5.83	-18.39	-72.42	19.29	10.27	1.95	PASS
1017.00†	1017.00	0.00	0.00	1017.00	1017.00	5.83	-18.39	-72.42	19.29	11.32	1.76	PASS
1117.00†	1117.00	0.00	0.00	1117.00	1117.00	5.83	-18.39	-72.42	19.29	12.36	1.60	PASS
1217.00†	1217.00	0.00	0.00	1217.00	1217.00	5.83	-18.39	-72.42	19.29	13.41	1.47	PASS
1317.00†	1317.00	0.00	0.00	1317.00	1317.00	5.83	-18.39	-72.42	19.29	14.46	1.35	PASS
1417.00†	1417.00	0.00	0.00	1417.00	1417.00	5.83	-18.39	-72.42	19.29	15.50	1.26	PASS
1517.00†	1517.00	0.00	0.00	1517.00	1517.00	5.83	-18.39	-72.42	19.29	16.55	1.17	PASS
1617.00†	1617.00	0.00	0.00	1617.00	1617.00	5.83	-18.39	-72.42	19.29	16.27	1.19	PASS
1717.00†	1717.00	0.00	0.00	1717.00	1717.00	5.83	-18.39	-72.42	19.29	16.33	1.18	PASS
1817.00†	1817.00	0.00	0.00	1817.00	1817.00	5.83	-18.39	-72.42	19.29	16.46	1.17	PASS
1917.00†	1917.00	0.00	0.00	1917.00	1917.00	5.83	-18.39	-72.42	19.29	16.65	1.16	PASS
2000.00	2000.00	0.00	0.00	2000.00	2000.00	5.83	-18.39	-72.42	19.29	16.85	1.14	PASS
2017.00†	2017.00	-0.05	-0.02	2016.98	2016.98	5.81	-18.41	84.44	19.30	16.90	1.14	PASS
2117.00†	2116.97	-2.20	-0.94	2116.88	2116.87	4.85	-19.08	88.00	19.45	17.21	1.13	PASS
2131.37†	2131.32	-2.77	-1.19	2131.24	2131.23	4.60	-19.25	88.94	19.51	17.27	1.13	PASS
2217.00†	2216.79	-7.55	-3.24	2216.77	2216.72	2.47	-20.74	96.53	20.17	17.59	1.15	PASS
2317.00†	2316.35	-16.10	-6.91	2316.66	2316.50	-1.34	-23.41	108.53	22.14	18.06	1.23	PASS
2417.00†	2415.53	-27.84	-11.95	2416.53	2416.17	-6.57	-27.07	121.27	26.11	18.68	1.40	PASS
2517.00†	2514.20	-42.75	-18.35	2516.39	2515.69	-13.22	-31.73	132.28	32.46	19.42	1.67	PASS
2617.00†	2612.24	-60.82	-26.10	2616.23	2615.04	-21.29	-37.38	140.73	41.20	20.23	2.04	PASS
2717.00†	2709.54	-82.02	-35.20	2716.04	2714.18	-30.77	-44.02	146.88	52.21	21.07	2.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#20 STATE NORTH PLATTE A11-35-2XRLNC		Well: STATE NORTH PLATTE A11-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2817.00†	2805.97	-106.33	-45.63	2815.82	2813.07	-41.67	-51.65	151.33	65.33	21.93	2.98	PASS
2917.00†	2901.42	-133.72	-57.39	2915.58	2911.68	-53.97	-60.26	154.58	80.46	22.81	3.53	PASS
3017.00†	2995.77	-164.15	-70.45	3015.29	3009.99	-67.67	-69.85	156.99	97.53	23.71	4.11	PASS
3117.00†	3088.91	-197.59	-84.80	3114.97	3107.95	-82.76	-80.42	158.81	116.48	24.65	4.73	PASS
3151.91	3121.12	-209.97	-90.11	3149.76	3142.06	-88.36	-84.34	159.34	123.54	24.97	4.95	PASS
3217.00†	3181.02	-233.37	-100.16	3214.76	3205.68	-99.26	-91.97	160.20	136.60	25.54	5.35	PASS
3317.00†	3273.04	-269.34	-115.59	3315.14	3303.62	-117.27	-104.58	160.97	155.50	26.45	5.88	PASS
3417.00†	3365.07	-305.30	-131.02	3416.12	3401.74	-136.80	-118.26	161.28	172.92	27.41	6.31	PASS
3517.00†	3457.09	-341.26	-146.46	3517.62	3499.94	-157.85	-133.00	161.26	188.82	28.42	6.64	PASS
3617.00†	3549.12	-377.22	-161.89	3619.60	3598.12	-180.44	-148.81	160.99	203.21	29.51	6.89	PASS
3717.00†	3641.14	-413.19	-177.33	3721.98	3696.18	-204.55	-165.69	160.50	216.08	30.66	7.05	PASS
3817.00†	3733.16	-449.15	-192.76	3824.71	3794.03	-230.18	-183.64	159.83	227.45	31.89	7.13	PASS
3917.00†	3825.19	-485.11	-208.19	3927.73	3891.56	-257.32	-202.65	158.99	237.32	33.21	7.15	PASS
4017.00†	3917.21	-521.07	-223.63	4030.96	3988.69	-285.96	-222.69	157.98	245.74	34.63	7.10	PASS
4117.00†	4009.24	-557.04	-239.06	4134.33	4085.31	-316.07	-243.78	156.80	252.74	36.16	6.99	PASS
4217.00†	4101.26	-593.00	-254.49	4237.79	4181.33	-347.62	-265.87	155.45	258.36	37.82	6.83	PASS
4317.00†	4193.29	-628.96	-269.93	4341.27	4276.65	-380.60	-288.96	153.91	262.67	39.64	6.63	PASS
4417.00†	4285.31	-664.92	-285.36	4444.69	4371.19	-414.96	-313.02	152.18	265.74	41.63	6.38	PASS
4517.00†	4377.34	-700.89	-300.80	4547.99	4464.83	-450.68	-338.03	150.23	267.67	43.82	6.11	PASS
4617.00†	4469.36	-736.85	-316.23	4651.11	4557.52	-487.70	-363.95	148.05	268.56	46.24	5.81	PASS
4717.00†	4561.38	-772.81	-331.66	4753.97	4649.14	-525.98	-390.75	145.62	268.55	48.91	5.49	PASS
4817.00†	4653.41	-808.78	-347.10	4856.51	4739.64	-565.49	-418.41	142.91	267.79	51.87	5.16	PASS
4917.00†	4745.43	-844.74	-362.53	4958.68	4828.93	-606.16	-446.89	139.90	266.47	55.14	4.83	PASS
5017.00†	4837.46	-880.70	-377.97	5060.39	4916.93	-647.94	-476.14	136.57	264.83	58.74	4.51	PASS
5117.00†	4929.48	-916.66	-393.40	5161.61	5003.59	-690.77	-506.14	132.91	263.11	62.66	4.20	PASS
5217.00†	5021.51	-952.63	-408.83	5262.25	5088.83	-734.61	-536.83	128.90	261.62	66.88	3.91	PASS
5317.00†	5113.53	-988.59	-424.27	5362.28	5172.60	-779.38	-568.18	124.54	260.70	71.34	3.65	PASS
5417.00†	5205.55	-1024.55	-439.70	5461.63	5254.85	-825.03	-600.14	119.85	260.73	75.95	3.43	PASS
5517.00†	5297.58	-1060.51	-455.14	5560.26	5335.53	-871.50	-632.68	114.89	262.08	80.59	3.25	PASS
5617.00†	5389.60	-1096.48	-470.57	5658.11	5414.60	-918.72	-665.74	109.69	265.17	85.10	3.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W				Slot: SLOT#20 STATE NORTH PLATTE A11-35-2XRLNC				Well: STATE NORTH PLATTE A11-35-2XRLNC				Threshold Value=1.00 † = interpolated/extrapolated station
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5717.00†	5481.63	-1132.44	-486.00	5755.13	5492.01	-966.62	-699.28	104.35	270.35	89.28	3.03	PASS
5817.00†	5573.65	-1168.40	-501.44	5851.43	5568.33	-1014.74	-732.97	99.11	277.93	92.98	2.99	PASS
5917.00†	5665.68	-1204.36	-516.87	5947.72	5644.63	-1062.85	-766.66	94.17	287.86	96.16	2.99	PASS
6017.00†	5757.70	-1240.33	-532.31	6044.01	5720.93	-1110.96	-800.34	89.56	299.88	98.86	3.03	PASS
6117.00†	5849.72	-1276.29	-547.74	6140.30	5797.24	-1159.08	-834.03	85.32	313.78	101.15	3.10	PASS
6215.13	5940.03	-1311.58	-562.89	6234.80	5872.11	-1206.29	-867.09	81.51	329.00	103.06	3.19	PASS
6217.00†	5941.75	-1312.26	-563.17	6236.60	5873.54	-1207.19	-867.72	81.59	329.30	103.09	3.19	PASS
6317.00†	6030.08	-1356.45	-577.97	6333.85	5950.61	-1255.79	-901.74	84.53	348.25	105.62	3.30	PASS
6417.00†	6109.51	-1415.53	-591.24	6430.95	6027.55	-1304.30	-935.72	86.65	371.15	109.66	3.38	PASS
6517.00†	6177.62	-1487.69	-602.58	6524.95	6102.04	-1351.27	-968.60	89.18	397.86	114.83	3.46	PASS
6617.00†	6232.34	-1570.74	-611.65	6640.83	6190.08	-1415.24	-1007.97	92.74	427.83	121.24	3.53	PASS
6717.00†	6272.01	-1662.17	-618.18	6780.07	6277.31	-1515.18	-1049.12	95.75	455.36	127.31	3.58	PASS
6817.00†	6295.42	-1759.18	-621.93	6936.61	6344.90	-1651.33	-1084.45	97.77	477.50	131.77	3.62	PASS
6904.53	6302.00	-1846.38	-622.88	7086.22	6374.93	-1796.00	-1105.09	98.60	490.29	133.89	3.66	PASS
6917.00†	6302.00	-1858.85	-622.86	7108.25	6376.34	-1817.91	-1106.94	98.73	491.47	134.06	3.67	PASS
7017.00†	6302.00	-1958.84	-622.68	7220.59	6377.00	-1930.02	-1113.79	98.68	497.64	138.99	3.58	PASS
7117.00†	6302.00	-2058.84	-622.49	7320.40	6377.00	-2029.66	-1119.64	98.58	503.62	144.79	3.48	PASS
7217.00†	6302.00	-2158.84	-622.31	7420.22	6377.00	-2129.31	-1125.49	98.48	509.59	150.64	3.38	PASS
7317.00†	6302.00	-2258.84	-622.13	7520.04	6377.00	-2228.96	-1131.34	98.38	515.56	156.53	3.29	PASS
7417.00†	6302.00	-2358.84	-621.95	7619.86	6377.00	-2328.60	-1137.18	98.28	521.54	162.45	3.21	PASS
7517.00†	6302.00	-2458.84	-621.77	7719.67	6377.00	-2428.25	-1143.03	98.19	527.52	168.41	3.13	PASS
7617.00†	6302.00	-2558.84	-621.59	7819.49	6377.00	-2527.89	-1148.88	98.10	533.50	174.38	3.06	PASS
7717.00†	6302.00	-2658.84	-621.41	7919.31	6377.00	-2627.54	-1154.73	98.01	539.48	180.39	2.99	PASS
7817.00†	6302.00	-2758.84	-621.23	8019.13	6377.00	-2727.19	-1160.58	97.92	545.46	186.40	2.93	PASS
7917.00†	6302.00	-2858.84	-621.04	8118.94	6377.00	-2826.83	-1166.43	97.83	551.45	192.45	2.87	PASS
8017.00†	6302.00	-2958.84	-620.86	8218.76	6377.00	-2926.48	-1172.28	97.75	557.43	198.52	2.81	PASS
8117.00†	6302.00	-3058.84	-620.68	8318.58	6377.00	-3026.12	-1178.13	97.66	563.42	204.60	2.75	PASS
8217.00†	6302.00	-3158.84	-620.50	8418.39	6377.00	-3125.77	-1183.97	97.58	569.41	210.69	2.70	PASS
8317.00†	6302.00	-3258.84	-620.32	8518.21	6377.00	-3225.42	-1189.82	97.50	575.39	216.80	2.65	PASS
8417.00†	6302.00	-3358.84	-620.14	8618.03	6377.00	-3325.06	-1195.67	97.43	581.38	222.92	2.61	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#20 STATE NORTH PLATTE A11-35-2XRLNC		Well: STATE NORTH PLATTE A11-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8517.00†	6302.00	-3458.84	-619.96	8717.85	6377.00	-3424.71	-1201.52	97.35	587.37	229.05	2.56	PASS
8617.00†	6302.00	-3558.84	-619.77	8817.66	6377.00	-3524.35	-1207.37	97.28	593.37	235.19	2.52	PASS
8717.00†	6302.00	-3658.84	-619.59	8917.48	6377.00	-3624.00	-1213.22	97.20	599.36	241.35	2.48	PASS
8817.00†	6302.00	-3758.84	-619.41	9017.30	6377.00	-3723.65	-1219.07	97.13	605.35	247.51	2.45	PASS
8917.00†	6302.00	-3858.84	-619.23	9117.12	6377.00	-3823.29	-1224.92	97.06	611.35	253.68	2.41	PASS
9017.00†	6302.00	-3958.84	-619.05	9216.93	6377.00	-3922.94	-1230.76	96.99	617.34	259.86	2.38	PASS
9117.00†	6302.00	-4058.84	-618.87	9316.75	6377.00	-4022.58	-1236.61	96.92	623.34	266.04	2.34	PASS
9217.00†	6302.00	-4158.84	-618.69	9416.57	6377.00	-4122.23	-1242.46	96.86	629.33	272.24	2.31	PASS
9317.00†	6302.00	-4258.84	-618.50	9516.39	6377.00	-4221.87	-1248.31	96.79	635.33	278.44	2.28	PASS
9417.00†	6302.00	-4358.84	-618.32	9616.20	6377.00	-4321.52	-1254.16	96.73	641.33	284.64	2.25	PASS
9517.00†	6302.00	-4458.84	-618.14	9716.02	6377.00	-4421.17	-1260.01	96.67	647.33	290.85	2.23	PASS
9617.00†	6302.00	-4558.84	-617.96	9815.84	6377.00	-4520.81	-1265.86	96.60	653.33	297.07	2.20	PASS
9717.00†	6302.00	-4658.84	-617.78	9915.66	6377.00	-4620.46	-1271.71	96.54	659.33	303.29	2.17	PASS
9817.00†	6302.00	-4758.84	-617.60	10015.47	6377.00	-4720.10	-1277.55	96.48	665.33	309.52	2.15	PASS
9917.00†	6302.00	-4858.84	-617.42	10115.29	6377.00	-4819.75	-1283.40	96.43	671.34	315.75	2.13	PASS
10017.00†	6302.00	-4958.84	-617.24	10215.11	6377.00	-4919.40	-1289.25	96.37	677.34	321.98	2.10	PASS
10117.00†	6302.00	-5058.84	-617.05	10314.93	6377.00	-5019.04	-1295.10	96.31	683.34	328.22	2.08	PASS
10217.00†	6302.00	-5158.84	-616.87	10414.74	6377.00	-5118.69	-1300.95	96.26	689.35	334.47	2.06	PASS
10317.00†	6302.00	-5258.84	-616.69	10514.56	6377.00	-5218.33	-1306.80	96.20	695.35	340.71	2.04	PASS
10417.00†	6302.00	-5358.84	-616.51	10614.38	6377.00	-5317.98	-1312.65	96.15	701.36	346.96	2.02	PASS
10517.00†	6302.00	-5458.84	-616.33	10714.19	6377.00	-5417.63	-1318.50	96.10	707.36	353.21	2.00	PASS
10617.00†	6302.00	-5558.84	-616.15	10814.01	6377.00	-5517.27	-1324.34	96.05	713.37	359.47	1.98	PASS
10717.00†	6302.00	-5658.84	-615.97	10913.83	6377.00	-5616.92	-1330.19	96.00	719.38	365.73	1.97	PASS
10817.00†	6302.00	-5758.84	-615.78	11013.65	6377.00	-5716.56	-1336.04	95.95	725.38	371.99	1.95	PASS
10917.00†	6302.00	-5858.84	-615.60	11113.46	6377.00	-5816.21	-1341.89	95.90	731.39	378.25	1.93	PASS
11017.00†	6302.00	-5958.84	-615.42	11213.28	6377.00	-5915.85	-1347.74	95.85	737.40	384.52	1.92	PASS
11117.00†	6302.00	-6058.84	-615.24	11313.10	6377.00	-6015.50	-1353.59	95.80	743.41	390.79	1.90	PASS
11217.00†	6302.00	-6158.84	-615.06	11412.92	6377.00	-6115.15	-1359.44	95.75	749.42	397.06	1.89	PASS
11317.00†	6302.00	-6258.84	-614.88	11512.73	6377.00	-6214.79	-1365.29	95.71	755.43	403.33	1.87	PASS
11417.00†	6302.00	-6358.84	-614.70	11612.55	6377.00	-6314.44	-1371.13	95.66	761.44	409.61	1.86	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#20 STATE NORTH PLATTE A11-35-2XRLNC		Well: STATE NORTH PLATTE A11-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11517.00†	6302.00	-6458.84	-614.51	11712.37	6377.00	-6414.08	-1376.98	95.62	767.45	415.88	1.85	PASS
11617.00†	6302.00	-6558.84	-614.33	11812.19	6377.00	-6513.73	-1382.83	95.58	773.47	422.16	1.83	PASS
11717.00†	6302.00	-6658.84	-614.15	11912.00	6377.00	-6613.38	-1388.68	95.53	779.48	428.44	1.82	PASS
11817.00†	6302.00	-6758.84	-613.97	12011.82	6377.00	-6713.02	-1394.53	95.49	785.49	434.72	1.81	PASS
11917.00†	6302.00	-6858.84	-613.79	12111.64	6377.00	-6812.67	-1400.38	95.45	791.50	441.01	1.79	PASS
12017.00†	6302.00	-6958.84	-613.61	12211.46	6377.00	-6912.31	-1406.23	95.41	797.52	447.29	1.78	PASS
12117.00†	6302.00	-7058.84	-613.43	12311.27	6377.00	-7011.96	-1412.08	95.37	803.53	453.58	1.77	PASS
12217.00†	6302.00	-7158.84	-613.24	12411.09	6377.00	-7111.61	-1417.92	95.33	809.55	459.86	1.76	PASS
12317.00†	6302.00	-7258.84	-613.06	12510.91	6377.00	-7211.25	-1423.77	95.29	815.56	466.15	1.75	PASS
12417.00†	6302.00	-7358.84	-612.88	12610.73	6377.00	-7310.90	-1429.62	95.25	821.58	472.44	1.74	PASS
12517.00†	6302.00	-7458.84	-612.70	12710.54	6377.00	-7410.54	-1435.47	95.21	827.59	478.74	1.73	PASS
12617.00†	6302.00	-7558.84	-612.52	12810.36	6377.00	-7510.19	-1441.32	95.17	833.61	485.03	1.72	PASS
12717.00†	6302.00	-7658.84	-612.34	12910.18	6377.00	-7609.84	-1447.17	95.13	839.62	491.32	1.71	PASS
12817.00†	6302.00	-7758.84	-612.16	13009.99	6377.00	-7709.48	-1453.02	95.10	845.64	497.62	1.70	PASS
12917.00†	6302.00	-7858.84	-611.98	13109.81	6377.00	-7809.13	-1458.87	95.06	851.66	503.91	1.69	PASS
13017.00†	6302.00	-7958.84	-611.79	13209.63	6377.00	-7908.77	-1464.71	95.03	857.67	510.21	1.68	PASS
13117.00†	6302.00	-8058.83	-611.61	13309.45	6377.00	-8008.42	-1470.56	94.99	863.69	516.51	1.67	PASS
13217.00†	6302.00	-8158.83	-611.43	13409.26	6377.00	-8108.06	-1476.41	94.96	869.71	522.80	1.66	PASS
13317.00†	6302.00	-8258.83	-611.25	13509.08	6377.00	-8207.71	-1482.26	94.92	875.73	529.10	1.66	PASS
13417.00†	6302.00	-8358.83	-611.07	13608.90	6377.00	-8307.36	-1488.11	94.89	881.75	535.40	1.65	PASS
13517.00†	6302.00	-8458.83	-610.89	13708.72	6377.00	-8407.00	-1493.96	94.86	887.76	541.71	1.64	PASS
13617.00†	6302.00	-8558.83	-610.71	13808.53	6377.00	-8506.65	-1499.81	94.82	893.78	548.01	1.63	PASS
13717.00†	6302.00	-8658.83	-610.52	13908.35	6377.00	-8606.29	-1505.66	94.79	899.80	554.31	1.62	PASS
13817.00†	6302.00	-8758.83	-610.34	14008.17	6377.00	-8705.94	-1511.50	94.76	905.82	560.61	1.62	PASS
13917.00†	6302.00	-8858.83	-610.16	14107.99	6377.00	-8805.59	-1517.35	94.73	911.84	566.92	1.61	PASS
14017.00†	6302.00	-8958.83	-609.98	14207.80	6377.00	-8905.23	-1523.20	94.70	917.86	573.22	1.60	PASS
14117.00†	6302.00	-9058.83	-609.80	14307.62	6377.00	-9004.88	-1529.05	94.67	923.88	579.53	1.59	PASS
14217.00†	6302.00	-9158.83	-609.62	14407.44	6377.00	-9104.52	-1534.90	94.64	929.90	585.83	1.59	PASS
14317.00†	6302.00	-9258.83	-609.44	14507.26	6377.00	-9204.17	-1540.75	94.61	935.92	592.14	1.58	PASS
14417.00†	6302.00	-9358.83	-609.25	14607.07	6377.00	-9303.82	-1546.60	94.58	941.95	598.45	1.57	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#20 STATE NORTH PLATTE A11-35-2XRLNC		Well: STATE NORTH PLATTE A11-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14517.00†	6302.00	-9458.83	-609.07	14706.89	6377.00	-9403.46	-1552.44	94.55	947.97	604.76	1.57	PASS
14617.00†	6302.00	-9558.83	-608.89	14806.71	6377.00	-9503.11	-1558.29	94.52	953.99	611.06	1.56	PASS
14717.00†	6302.00	-9658.83	-608.71	14906.53	6377.00	-9602.75	-1564.14	94.49	960.01	617.37	1.55	PASS
14817.00†	6302.00	-9758.83	-608.53	15006.34	6377.00	-9702.40	-1569.99	94.46	966.03	623.68	1.55	PASS
14917.00†	6302.00	-9858.83	-608.35	15106.16	6377.00	-9802.04	-1575.84	94.43	972.05	629.99	1.54	PASS
15017.00†	6302.00	-9958.83	-608.17	15205.98	6377.00	-9901.69	-1581.69	94.41	978.08	636.30	1.54	PASS
15117.00†	6302.00	-10058.83	-607.99	15305.80	6377.00	-10001.34	-1587.54	94.38	984.10	642.61	1.53	PASS
15217.00†	6302.00	-10158.83	-607.80	15405.61	6377.00	-10100.98	-1593.39	94.35	990.12	648.92	1.53	PASS
15317.00†	6302.00	-10258.83	-607.62	15505.43	6377.00	-10200.63	-1599.23	94.33	996.15	655.24	1.52	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) 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 Open Hole	17.00	1550.00	1533.00	17.00	1550.00	3.55	-11.21	3.55	-11.21

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE A11-35-2XRLNC PWB
1550.00	16887.65	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE A11-35-2XRLNC PWB



Clearance Report
STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE A11-35-2XRLNC PWB Offset Wellpath: STATE NORTH PLATTE A11-35-2XRLNC (REV-A.1) PWP	
MD Reference: RIG (4555'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP

Facility: SEC.02-T4N-R63W				Slot: SLOT#09 Ex.Latham 14-11-2HZ (613'FSL & 734'FWL,SEC.2)				Well: Ex.Latham 14-11-2HZ		Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status	
17.00	17.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9591.05	69.17	140.27	PASS	
117.00†	117.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9525.82	69.38	138.90	PASS	
217.00†	217.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9461.18	69.46	137.78	PASS	
317.00†	317.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9397.17	69.56	136.66	PASS	
417.00†	417.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9333.79	69.66	135.54	PASS	
517.00†	517.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9271.06	69.77	134.40	PASS	
617.00†	617.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9208.98	69.90	133.27	PASS	
717.00†	717.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9147.58	70.03	132.13	PASS	
817.00†	817.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9086.86	70.17	130.98	PASS	
917.00†	917.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	9026.84	70.32	129.83	PASS	
1017.00†	1017.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8967.53	70.48	128.68	PASS	
1117.00†	1117.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8908.96	70.65	127.53	PASS	
1217.00†	1217.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8851.12	70.83	126.38	PASS	
1317.00†	1317.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8794.04	71.02	125.22	PASS	
1417.00†	1417.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8737.73	71.22	124.07	PASS	
1517.00†	1517.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8682.21	71.43	122.92	PASS	
1617.00†	1617.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8627.49	70.78	121.89	PASS	
1717.00†	1717.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8573.59	70.87	120.97	PASS	
1817.00†	1817.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8520.52	70.97	120.05	PASS	
1917.00†	1917.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8468.30	71.08	119.14	PASS	
2000.00	2000.00	0.00	0.00	10968.00	6302.84	-7167.28	-1051.98	-171.65	8425.62	71.18	118.37	PASS	
2017.00†	2017.00	-0.05	-0.02	10968.00	6302.84	-7167.28	-1051.98	-14.93	8416.90	71.20	118.22	PASS	
2117.00†	2116.97	-2.20	-0.94	10968.00	6302.84	-7167.28	-1051.98	-15.25	8364.49	71.34	117.25	PASS	
2217.00†	2216.79	-7.55	-3.24	10968.00	6302.84	-7167.28	-1051.98	-15.60	8310.08	71.52	116.19	PASS	
2317.00†	2316.35	-16.10	-6.91	10968.00	6302.84	-7167.28	-1051.98	-15.97	8253.70	71.70	115.11	PASS	
2417.00†	2415.53	-27.84	-11.95	10968.00	6302.84	-7167.28	-1051.98	-16.37	8195.39	71.89	114.00	PASS	
2517.00†	2514.20	-42.75	-18.35	10968.00	6302.84	-7167.28	-1051.98	-16.80	8135.18	72.08	112.87	PASS	
2617.00†	2612.24	-60.82	-26.10	10968.00	6302.84	-7167.28	-1051.98	-17.26	8073.08	72.27	111.71	PASS	
2717.00†	2709.54	-82.02	-35.20	10968.00	6302.84	-7167.28	-1051.98	-17.76	8009.15	72.46	110.53	PASS	
2817.00†	2805.97	-106.33	-45.63	10968.00	6302.84	-7167.28	-1051.98	-18.30	7943.41	72.66	109.32	PASS	

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP												
Facility: SEC.02-T4N-R63W Slot: SLOT#09 Ex.Latham 14-11-2HZ (613'FSL & 734'FWL,SEC.2)				Well: Ex.Latham 14-11-2HZ				Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	10968.00	6302.84	-7167.28	-1051.98	-18.88	7875.90	72.87	108.08	PASS
3017.00†	2995.77	-164.15	-70.45	10968.00	6302.84	-7167.28	-1051.98	-19.52	7806.66	73.08	106.83	PASS
3117.00†	3088.91	-197.59	-84.80	10968.00	6302.84	-7167.28	-1051.98	-20.20	7735.72	73.30	105.54	PASS
3151.91	3121.12	-209.97	-90.11	10968.00	6302.84	-7167.28	-1051.98	-20.45	7710.56	73.37	105.09	PASS
3217.00†	3181.02	-233.37	-100.16	10968.00	6302.84	-7167.28	-1051.98	-20.45	7663.60	73.50	104.27	PASS
3317.00†	3273.04	-269.34	-115.59	10968.00	6302.84	-7167.28	-1051.98	-20.45	7591.98	73.70	103.01	PASS
3417.00†	3365.07	-305.30	-131.02	10968.00	6302.84	-7167.28	-1051.98	-20.45	7521.00	73.93	101.74	PASS
3517.00†	3457.09	-341.26	-146.46	10968.00	6302.84	-7167.28	-1051.98	-20.45	7450.69	74.16	100.47	PASS
3617.00†	3549.12	-377.22	-161.89	10968.00	6302.84	-7167.28	-1051.98	-20.45	7381.07	74.41	99.19	PASS
3717.00†	3641.14	-413.19	-177.33	10968.00	6302.84	-7167.28	-1051.98	-20.45	7312.14	74.68	97.92	PASS
3817.00†	3733.16	-449.15	-192.76	10968.00	6302.84	-7167.28	-1051.98	-20.45	7243.95	74.96	96.64	PASS
3917.00†	3825.19	-485.11	-208.19	10968.00	6302.84	-7167.28	-1051.98	-20.45	7176.50	75.25	95.37	PASS
4017.00†	3917.21	-521.07	-223.63	10968.00	6302.84	-7167.28	-1051.98	-20.45	7109.81	75.56	94.09	PASS
4117.00†	4009.24	-557.04	-239.06	10968.00	6302.84	-7167.28	-1051.98	-20.45	7043.92	75.89	92.81	PASS
4217.00†	4101.26	-593.00	-254.49	10968.00	6302.84	-7167.28	-1051.98	-20.45	6978.83	76.24	91.54	PASS
4317.00†	4193.29	-628.96	-269.93	10968.00	6302.84	-7167.28	-1051.98	-20.45	6914.58	76.60	90.27	PASS
4417.00†	4285.31	-664.92	-285.36	10968.00	6302.84	-7167.28	-1051.98	-20.45	6851.19	76.97	89.01	PASS
4517.00†	4377.34	-700.89	-300.80	10968.00	6302.84	-7167.28	-1051.98	-20.45	6788.67	77.37	87.75	PASS
4617.00†	4469.36	-736.85	-316.23	10968.00	6302.84	-7167.28	-1051.98	-20.45	6727.07	77.78	86.49	PASS
4717.00†	4561.38	-772.81	-331.66	10968.00	6302.84	-7167.28	-1051.98	-20.45	6666.39	78.20	85.25	PASS
4817.00†	4653.41	-808.78	-347.10	10968.00	6302.84	-7167.28	-1051.98	-20.45	6606.67	78.64	84.01	PASS
4917.00†	4745.43	-844.74	-362.53	10968.00	6302.84	-7167.28	-1051.98	-20.45	6547.93	79.10	82.78	PASS
5017.00†	4837.46	-880.70	-377.97	10968.00	6302.84	-7167.28	-1051.98	-20.45	6490.20	79.57	81.56	PASS
5117.00†	4929.48	-916.66	-393.40	10968.00	6302.84	-7167.28	-1051.98	-20.45	6433.51	80.07	80.35	PASS
5217.00†	5021.51	-952.63	-408.83	10968.00	6302.84	-7167.28	-1051.98	-20.45	6377.88	80.57	79.16	PASS
5317.00†	5113.53	-988.59	-424.27	10968.00	6302.84	-7167.28	-1051.98	-20.45	6323.35	81.09	77.98	PASS
5417.00†	5205.55	-1024.55	-439.70	10968.00	6302.84	-7167.28	-1051.98	-20.45	6269.93	81.63	76.81	PASS
5517.00†	5297.58	-1060.51	-455.14	10968.00	6302.84	-7167.28	-1051.98	-20.45	6217.67	82.18	75.65	PASS
5617.00†	5389.60	-1096.48	-470.57	10968.00	6302.84	-7167.28	-1051.98	-20.45	6166.58	82.75	74.52	PASS
5717.00†	5481.63	-1132.44	-486.00	10968.00	6302.84	-7167.28	-1051.98	-20.45	6116.70	83.34	73.40	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP												
Facility: SEC.02-T4N-R63W				Slot: SLOT#09 Ex.Latham 14-11-2HZ (613'FSL & 734'FWL,SEC.2)			Well: Ex.Latham 14-11-2HZ		Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	10968.00	6302.84	-7167.28	-1051.98	-20.45	6068.06	83.93	72.30	PASS
5917.00†	5665.68	-1204.36	-516.87	10968.00	6302.84	-7167.28	-1051.98	-20.45	6020.69	84.55	71.21	PASS
6017.00†	5757.70	-1240.33	-532.31	10968.00	6302.84	-7167.28	-1051.98	-20.45	5974.61	85.17	70.15	PASS
6117.00†	5849.72	-1276.29	-547.74	10968.00	6302.84	-7167.28	-1051.98	-20.45	5929.87	85.81	69.10	PASS
6215.13	5940.03	-1311.58	-562.89	10968.00	6302.84	-7167.28	-1051.98	-20.45	5887.28	86.45	68.10	PASS
6217.00†	5941.75	-1312.26	-563.17	10968.00	6302.84	-7167.28	-1051.98	-20.26	5886.48	86.46	68.08	PASS
6317.00†	6030.08	-1356.45	-577.97	10968.00	6302.84	-7167.28	-1051.98	-12.82	5836.51	87.28	66.87	PASS
6417.00†	6109.51	-1415.53	-591.24	10968.00	6302.84	-7167.28	-1051.98	-8.38	5773.42	88.50	65.23	PASS
6517.00†	6177.62	-1487.69	-602.58	10968.00	6302.84	-7167.28	-1051.98	-4.94	5698.72	89.49	63.68	PASS
6617.00†	6232.34	-1570.74	-611.65	10968.00	6302.84	-7167.28	-1051.98	-1.30	5614.28	90.21	62.24	PASS
6717.00†	6272.01	-1662.17	-618.16	10968.00	6302.84	-7167.28	-1051.98	4.43	5522.27	90.67	60.90	PASS
6817.00†	6295.42	-1759.18	-621.93	10968.00	6302.84	-7167.28	-1051.98	20.52	5425.17	90.88	59.70	PASS
6904.53	6302.00	-1846.38	-622.88	10968.00	6302.84	-7167.28	-1051.98	90.11	5338.18	90.87	58.75	PASS
6917.00†	6302.00	-1858.85	-622.86	10968.00	6302.84	-7167.28	-1051.98	90.11	5325.75	90.86	58.62	PASS
7017.00†	6302.00	-1958.84	-622.68	10968.00	6302.84	-7167.28	-1051.98	90.11	5226.10	90.76	57.58	PASS
7117.00†	6302.00	-2058.84	-622.49	10968.00	6302.84	-7167.28	-1051.98	90.11	5126.46	90.66	56.54	PASS
7217.00†	6302.00	-2158.84	-622.31	10968.00	6302.84	-7167.28	-1051.98	90.11	5026.83	90.57	55.51	PASS
7317.00†	6302.00	-2258.84	-622.13	10968.00	6302.84	-7167.28	-1051.98	90.11	4927.22	90.47	54.46	PASS
7417.00†	6302.00	-2358.84	-621.95	10968.00	6302.84	-7167.28	-1051.98	90.11	4827.63	90.37	53.42	PASS
7517.00†	6302.00	-2458.84	-621.77	10968.00	6302.84	-7167.28	-1051.98	90.11	4728.05	90.28	52.37	PASS
7617.00†	6302.00	-2558.84	-621.59	10968.00	6302.84	-7167.28	-1051.98	90.11	4628.49	90.18	51.32	PASS
7717.00†	6302.00	-2658.84	-621.41	10968.00	6302.84	-7167.28	-1051.98	90.11	4528.95	90.09	50.27	PASS
7817.00†	6302.00	-2758.84	-621.23	10968.00	6302.84	-7167.28	-1051.98	90.11	4429.43	90.00	49.21	PASS
7917.00†	6302.00	-2858.84	-621.04	10968.00	6302.84	-7167.28	-1051.98	90.11	4329.94	89.92	48.15	PASS
8017.00†	6302.00	-2958.84	-620.86	10968.00	6302.84	-7167.28	-1051.98	90.11	4230.46	89.84	47.09	PASS
8117.00†	6302.00	-3058.84	-620.68	10968.00	6302.84	-7167.28	-1051.98	90.11	4131.01	89.76	46.02	PASS
8217.00†	6302.00	-3158.84	-620.50	10968.00	6302.84	-7167.28	-1051.98	90.11	4031.59	89.69	44.95	PASS
8317.00†	6302.00	-3258.84	-620.32	10968.00	6302.84	-7167.28	-1051.98	90.11	3932.20	89.62	43.88	PASS
8417.00†	6302.00	-3358.84	-620.14	10968.00	6302.84	-7167.28	-1051.98	90.11	3832.84	89.57	42.79	PASS
8517.00†	6302.00	-3458.84	-619.96	10968.00	6302.84	-7167.28	-1051.98	90.11	3733.52	89.52	41.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP												
Facility: SEC.02-T4N-R63W				Slot: SLOT#09 Ex.Latham 14-11-2HZ (613°FSL & 734°FWL, SEC.2)			Well: Ex.Latham 14-11-2HZ		Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8617.00†	6302.00	-3558.84	-619.77	10968.00	6302.84	-7167.28	-1051.98	90.11	3634.23	89.49	40.61	PASS
8717.00†	6302.00	-3658.84	-619.59	10968.00	6302.84	-7167.28	-1051.98	90.11	3534.98	89.47	39.51	PASS
8817.00†	6302.00	-3758.84	-619.41	10968.00	6302.84	-7167.28	-1051.98	90.11	3435.78	89.47	38.40	PASS
8917.00†	6302.00	-3858.84	-619.23	10968.00	6302.84	-7167.28	-1051.98	90.11	3336.62	89.48	37.29	PASS
9017.00†	6302.00	-3958.84	-619.05	10968.00	6302.84	-7167.28	-1051.98	90.11	3237.52	89.53	36.16	PASS
9117.00†	6302.00	-4058.84	-618.87	10968.00	6302.84	-7167.28	-1051.98	90.11	3138.47	89.60	35.03	PASS
9217.00†	6302.00	-4158.84	-618.69	10968.00	6302.84	-7167.28	-1051.98	90.11	3039.48	89.70	33.88	PASS
9317.00†	6302.00	-4258.84	-618.50	10968.00	6302.84	-7167.28	-1051.98	90.11	2940.57	89.85	32.73	PASS
9417.00†	6302.00	-4358.84	-618.32	10968.00	6302.84	-7167.28	-1051.98	90.11	2841.72	90.05	31.56	PASS
9517.00†	6302.00	-4458.84	-618.14	10968.00	6302.84	-7167.28	-1051.98	90.11	2742.97	90.30	30.38	PASS
9617.00†	6302.00	-4558.84	-617.96	10968.00	6302.84	-7167.28	-1051.98	90.11	2644.30	90.63	29.18	PASS
9717.00†	6302.00	-4658.84	-617.78	10968.00	6302.84	-7167.28	-1051.98	90.11	2545.74	91.04	27.96	PASS
9817.00†	6302.00	-4758.84	-617.60	10968.00	6302.84	-7167.28	-1051.98	90.11	2447.30	91.54	26.73	PASS
9917.00†	6302.00	-4858.84	-617.42	10968.00	6302.84	-7167.28	-1051.98	90.11	2348.99	92.17	25.48	PASS
10017.00†	6302.00	-4958.84	-617.24	10968.00	6302.84	-7167.28	-1051.98	90.11	2250.83	92.94	24.22	PASS
10117.00†	6302.00	-5058.84	-617.05	10968.00	6302.84	-7167.28	-1051.98	90.11	2152.83	93.89	22.93	PASS
10217.00†	6302.00	-5158.84	-616.87	10968.00	6302.84	-7167.28	-1051.98	90.11	2055.03	95.04	21.62	PASS
10317.00†	6302.00	-5258.84	-616.69	10968.00	6302.84	-7167.28	-1051.98	90.11	1957.45	96.45	20.29	PASS
10417.00†	6302.00	-5358.84	-616.51	10968.00	6302.84	-7167.28	-1051.98	90.11	1860.13	98.16	18.95	PASS
10517.00†	6302.00	-5458.84	-616.33	10968.00	6302.84	-7167.28	-1051.98	90.11	1763.11	100.25	17.59	PASS
10617.00†	6302.00	-5558.84	-616.15	10968.00	6302.84	-7167.28	-1051.98	90.11	1666.44	102.78	16.21	PASS
10717.00†	6302.00	-5658.84	-615.97	10968.00	6302.84	-7167.28	-1051.98	90.11	1570.19	105.86	14.83	PASS
10817.00†	6302.00	-5758.84	-615.78	10968.00	6302.84	-7167.28	-1051.98	90.11	1474.44	109.61	13.45	PASS
10917.00†	6302.00	-5858.84	-615.60	10968.00	6302.84	-7167.28	-1051.98	90.11	1379.29	114.18	12.08	PASS
11017.00†	6302.00	-5958.84	-615.42	10968.00	6302.84	-7167.28	-1051.98	90.11	1284.88	119.75	10.73	PASS
11117.00†	6302.00	-6058.84	-615.24	10968.00	6302.84	-7167.28	-1051.98	90.11	1191.38	126.57	9.41	PASS
11217.00†	6302.00	-6158.84	-615.06	10968.00	6302.84	-7167.28	-1051.98	90.11	1099.03	134.94	8.14	PASS
11317.00†	6302.00	-6258.84	-614.88	10968.00	6302.84	-7167.28	-1051.98	90.11	1008.13	145.23	6.94	PASS
11417.00†	6302.00	-6358.84	-614.70	10968.00	6302.84	-7167.28	-1051.98	90.11	919.13	157.91	5.82	PASS
11517.00†	6302.00	-6458.84	-614.51	10968.00	6302.84	-7167.28	-1051.98	90.11	832.63	173.57	4.80	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP												
Facility: SEC.02-T4N-R63W				Slot: SLOT#09 Ex.Latham 14-11-2HZ (613°FSL & 734°FWL,SEC.2)			Well: Ex.Latham 14-11-2HZ		Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11617.00†	6302.00	-6558.84	-614.33	10968.00	6302.84	-7167.28	-1051.98	90.11	749.49	192.87	3.89	PASS
11717.00†	6302.00	-6658.84	-614.15	10968.00	6302.84	-7167.28	-1051.98	90.11	670.98	216.51	3.10	PASS
11817.00†	6302.00	-6758.84	-613.97	10968.00	6302.84	-7167.28	-1051.98	90.11	598.90	244.89	2.45	PASS
11917.00†	6302.00	-6858.84	-613.79	10968.00	6302.84	-7167.28	-1051.98	90.11	535.86	277.56	1.93	PASS
12017.00†	6302.00	-6958.84	-613.61	10968.00	6302.84	-7167.28	-1051.98	90.11	485.41	312.04	1.56	PASS
12117.00†	6302.00	-7058.84	-613.43	10968.00	6302.84	-7167.28	-1051.98	90.11	451.76	342.77	1.32	PASS
12217.00†	6302.00	-7158.84	-613.24	10968.00	6302.84	-7167.28	-1051.98	90.11	438.82	361.99	1.21	PASS
12229.50†	6302.00	-7171.34	-613.22	10968.00	6302.84	-7167.28	-1051.98	90.11	438.78	363.26	1.21	PASS
12251.75†	6302.00	-7193.58	-613.18	10968.00	6302.84	-7167.28	-1051.98	90.11	439.59	364.84	1.20	PASS
12317.00†	6302.00	-7258.84	-613.06	10915.08	6303.21	-7220.00	-1056.60	90.16	445.23	365.54	1.22	PASS
12417.00†	6302.00	-7358.84	-612.88	10807.02	6304.32	-7327.80	-1063.96	90.29	452.15	365.65	1.24	PASS
12517.00†	6302.00	-7458.84	-612.70	10708.34	6304.26	-7426.24	-1070.76	90.28	459.22	366.11	1.25	PASS
12617.00†	6302.00	-7558.84	-612.52	10602.84	6305.61	-7531.50	-1077.65	90.44	465.95	366.28	1.27	PASS
12717.00†	6302.00	-7658.84	-612.34	10508.97	6307.60	-7625.14	-1083.82	90.68	472.72	366.93	1.29	PASS
12817.00†	6302.00	-7758.84	-612.16	10415.28	6308.72	-7718.51	-1091.42	90.80	481.00	367.54	1.31	PASS
12917.00†	6302.00	-7858.84	-611.98	10281.28	6311.21	-7852.29	-1097.94	91.09	486.09	366.23	1.33	PASS
13017.00†	6302.00	-7958.84	-611.79	10197.88	6312.70	-7935.63	-1100.50	91.26	489.37	367.70	1.33	PASS
13117.00†	6302.00	-8058.83	-611.61	10099.04	6313.15	-8034.34	-1105.34	91.29	494.46	368.21	1.34	PASS
13217.00†	6302.00	-8158.83	-611.43	9984.38	6314.30	-8148.89	-1110.15	91.41	498.97	367.82	1.36	PASS
13317.00†	6302.00	-8258.83	-611.25	9896.13	6313.74	-8237.10	-1112.61	91.34	501.97	369.02	1.36	PASS
13417.00†	6302.00	-8358.83	-611.07	9795.85	6315.36	-8337.30	-1116.22	91.52	505.79	369.48	1.37	PASS
13517.00†	6302.00	-8458.83	-610.89	9705.81	6316.71	-8427.23	-1120.50	91.65	510.80	370.42	1.38	PASS
13617.00†	6302.00	-8558.83	-610.71	9613.57	6316.58	-8519.28	-1126.38	91.62	517.39	371.22	1.39	PASS
13717.00†	6302.00	-8658.83	-610.52	9515.43	6314.90	-8617.17	-1132.96	91.41	524.25	371.87	1.41	PASS
13817.00†	6302.00	-8758.83	-610.34	9421.12	6311.64	-8711.14	-1140.38	91.04	532.26	372.63	1.43	PASS
13917.00†	6302.00	-8858.83	-610.16	9296.01	6311.89	-8835.91	-1149.01	91.05	539.42	372.43	1.45	PASS
14017.00†	6302.00	-8958.83	-609.98	9198.39	6312.00	-8933.42	-1153.72	91.05	544.42	373.17	1.46	PASS
14117.00†	6302.00	-9058.83	-609.80	9111.94	6312.04	-9019.73	-1158.56	91.05	550.25	374.30	1.47	PASS
14217.00†	6302.00	-9158.83	-609.62	9014.16	6311.77	-9117.31	-1164.74	91.01	556.76	375.04	1.48	PASS
14317.00†	6302.00	-9258.83	-609.44	8907.84	6311.99	-9223.37	-1172.21	91.02	563.97	375.59	1.50	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP												
Facility: SEC.02-T4N-R63W Slot: SLOT#09 Ex.Latham 14-11-2HZ (613'FSL & 734'FWL,SEC.2)				Well: Ex.Latham 14-11-2HZ				Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14417.00†	6302.00	-9358.83	-609.25	8786.79	6310.24	-9344.28	-1177.19	90.83	568.19	375.50	1.51	PASS
14517.00†	6302.00	-9458.83	-609.07	8690.14	6310.02	-9440.88	-1180.07	90.80	571.33	376.47	1.52	PASS
14617.00†	6302.00	-9558.83	-608.89	8594.33	6311.61	-9536.61	-1183.80	90.96	575.42	377.48	1.52	PASS
14717.00†	6302.00	-9658.83	-608.71	8488.38	6312.33	-9642.45	-1188.28	91.02	579.90	378.09	1.53	PASS
14817.00†	6302.00	-9758.83	-608.53	8397.54	6310.99	-9733.22	-1191.46	90.88	583.56	379.44	1.54	PASS
14917.00†	6302.00	-9858.83	-608.35	8305.46	6308.40	-9825.16	-1195.85	90.62	588.50	380.72	1.55	PASS
15017.00†	6302.00	-9958.83	-608.17	8204.29	6307.52	-9926.12	-1202.08	90.53	594.84	381.75	1.56	PASS
15117.00†	6302.00	-10058.83	-607.99	8114.04	6307.99	-10016.21	-1207.28	90.57	600.83	383.10	1.57	PASS
15217.00†	6302.00	-10158.83	-607.80	8011.87	6308.69	-10118.15	-1214.09	90.63	607.69	384.24	1.58	PASS
15317.00†	6302.00	-10258.83	-607.62	7898.13	6307.13	-10231.69	-1220.47	90.48	613.47	385.21	1.59	PASS
15417.00†	6302.00	-10358.83	-607.44	7809.21	6307.63	-10320.45	-1225.77	90.52	619.54	386.86	1.60	PASS
15517.00†	6302.00	-10458.83	-607.26	7704.91	6308.75	-10424.51	-1232.77	90.62	626.49	388.25	1.61	PASS
15617.00†	6302.00	-10558.83	-607.08	7592.52	6309.25	-10536.75	-1238.39	90.66	631.74	389.54	1.62	PASS
15717.00†	6302.00	-10658.83	-606.90	7511.54	6310.13	-10617.60	-1242.62	90.73	637.11	391.66	1.63	PASS
15817.00†	6302.00	-10758.83	-606.72	7411.57	6313.26	-10717.27	-1249.69	91.00	644.42	393.48	1.64	PASS
15917.00†	6302.00	-10858.83	-606.53	7306.07	6314.95	-10822.61	-1255.15	91.14	649.76	395.39	1.64	PASS
16017.00†	6302.00	-10958.83	-606.35	7216.22	6315.09	-10912.27	-1260.96	91.15	656.40	397.62	1.65	PASS
16117.00†	6302.00	-11058.83	-606.17	7127.86	6314.07	-11000.35	-1267.89	91.05	664.41	399.90	1.66	PASS
16217.00†	6302.00	-11158.83	-605.99	6986.27	6309.41	-11141.45	-1278.09	90.63	672.36	402.22	1.67	PASS
16317.00†	6302.00	-11258.83	-605.81	6870.58	6307.27	-11257.08	-1280.78	90.45	675.00	404.61	1.67	PASS
16417.00†	6302.00	-11358.83	-605.63	6767.58	6309.27	-11360.06	-1280.89	90.62	675.30	407.35	1.66	PASS
16517.00†	6302.00	-11458.83	-605.45	6674.94	6309.35	-11452.70	-1280.91	90.62	675.53	410.83	1.64	PASS
16617.00†	6302.00	-11558.83	-605.26	6596.25	6305.00	-11531.17	-1283.08	90.25	678.39	414.08	1.64	PASS
16638.65	6302.00	-11580.48	-605.23	6570.97	6301.41	-11556.18	-1284.04	89.95	679.25	414.71	1.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

POSITIONAL UNCERTAINTY - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP			
Slot Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ 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	15.00	774.00	759.00	31.00	785.18	-6957.12	-942.41	-6977.79	-933.94
7in Casing Intermediate	15.00	6763.00	6748.00	31.00	6307.32	-6957.12	-942.41	-6942.49	-861.72

WELLPATH COMPOSITION - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	6725.00	ISCWSA MWD, Rev. 3 (Standard)	Ensign Directional MWD Vert/Curve From COGCC <15'-6725'>	Ex.Latham 14-11-2HZ AWB
6725.00	10915.00	ISCWSA MWD, Rev. 3 (Standard)	Ensign Directional Lat. MWD Surveys From COGCC <6771'-10915'>	Ex.Latham 14-11-2HZ AWB
10915.00	10968.00	Blind Drilling (std)	Projection to bit	Ex.Latham 14-11-2HZ AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: Ex.Latham 14-11-2HZ AWB Offset Wellpath: Ex.Latham 14-11-2HZ AWP	
MD Reference: RIG (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	15.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE 41-34-2XRLNC PWB Offset Wellpath: NORTH PLATTE 41-34-2XRLNC (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#19 NORTH PLATTE 41-34-2XRLNC		Well: NORTH PLATTE 41-34-2XRLNC		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	17.00	17.00	12.02	-37.90	-72.40	39.76	1.40	64.93	PASS
117.00†	117.00	0.00	0.00	117.00	117.00	12.02	-37.90	-72.40	39.76	2.02	31.95	PASS
217.00†	217.00	0.00	0.00	217.00	217.00	12.02	-37.90	-72.40	39.76	3.00	17.71	PASS
317.00†	317.00	0.00	0.00	317.00	317.00	12.02	-37.90	-72.40	39.76	4.02	12.09	PASS
417.00†	417.00	0.00	0.00	417.00	417.00	12.02	-37.90	-72.40	39.76	5.06	9.15	PASS
517.00†	517.00	0.00	0.00	517.00	517.00	12.02	-37.90	-72.40	39.76	6.10	7.36	PASS
617.00†	617.00	0.00	0.00	617.00	617.00	12.02	-37.90	-72.40	39.76	7.14	6.15	PASS
717.00†	717.00	0.00	0.00	717.00	717.00	12.02	-37.90	-72.40	39.76	8.18	5.28	PASS
817.00†	817.00	0.00	0.00	817.00	817.00	12.02	-37.90	-72.40	39.76	9.23	4.62	PASS
917.00†	917.00	0.00	0.00	917.00	917.00	12.02	-37.90	-72.40	39.76	10.27	4.11	PASS
1017.00†	1017.00	0.00	0.00	1017.00	1017.00	12.02	-37.90	-72.40	39.76	11.32	3.70	PASS
1117.00†	1117.00	0.00	0.00	1117.00	1117.00	12.02	-37.90	-72.40	39.76	12.36	3.37	PASS
1217.00†	1217.00	0.00	0.00	1217.00	1217.00	12.02	-37.90	-72.40	39.76	13.41	3.09	PASS
1317.00†	1317.00	0.00	0.00	1317.00	1317.00	12.02	-37.90	-72.40	39.76	14.46	2.85	PASS
1417.00†	1417.00	0.00	0.00	1417.00	1417.00	12.02	-37.90	-72.40	39.76	15.50	2.65	PASS
1517.00†	1517.00	0.00	0.00	1517.00	1517.00	12.02	-37.90	-72.40	39.76	16.55	2.47	PASS
1617.00†	1617.00	0.00	0.00	1617.00	1617.00	12.02	-37.90	-72.40	39.76	16.27	2.44	PASS
1717.00†	1717.00	0.00	0.00	1717.00	1717.00	12.02	-37.90	-72.40	39.76	16.33	2.43	PASS
1817.00†	1817.00	0.00	0.00	1817.00	1817.00	12.02	-37.90	-72.40	39.76	16.46	2.42	PASS
1917.00†	1917.00	0.00	0.00	1917.00	1917.00	12.02	-37.90	-72.40	39.76	16.65	2.39	PASS
2000.00	2000.00	0.00	0.00	2000.00	2000.00	12.02	-37.90	-72.40	39.76	16.85	2.36	PASS
2017.00†	2017.00	-0.05	-0.02	2016.86	2016.86	11.99	-37.94	84.39	39.78	16.90	2.35	PASS
2117.00†	2116.97	-2.20	-0.94	2116.05	2116.02	10.61	-39.78	84.97	40.90	17.22	2.37	PASS
2217.00†	2216.79	-7.55	-3.24	2215.19	2214.99	7.17	-44.35	86.30	43.71	17.64	2.48	PASS
2317.00†	2316.35	-16.10	-6.91	2314.22	2313.59	1.67	-51.66	88.09	48.23	18.12	2.66	PASS
2417.00†	2415.53	-27.84	-11.95	2413.11	2411.68	-5.85	-61.66	90.04	54.49	18.66	2.92	PASS
2517.00†	2514.20	-42.75	-18.35	2511.81	2509.09	-15.39	-74.34	91.93	62.53	19.30	3.24	PASS
2617.00†	2612.24	-60.82	-26.10	2610.27	2605.67	-26.90	-89.65	93.64	72.33	20.06	3.61	PASS
2717.00†	2709.54	-82.02	-35.20	2708.46	2701.26	-40.37	-107.55	95.10	83.89	20.97	4.00	PASS
2817.00†	2805.97	-106.33	-45.63	2806.34	2795.73	-55.74	-127.99	96.31	97.19	22.04	4.41	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE 41-34-2XRLNC PWB Offset Wellpath: NORTH PLATTE 41-34-2XRLNC (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#19 NORTH PLATTE 41-34-2XRLNC		Well: NORTH PLATTE 41-34-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	2903.86	2888.94	-72.98	-150.91	97.28	112.21	23.31	4.81	PASS
3017.00†	2995.77	-164.15	-70.45	3001.01	2980.76	-92.03	-176.24	98.06	128.92	24.81	5.20	PASS
3117.00†	3088.91	-197.59	-84.80	3097.73	3071.06	-112.86	-203.93	98.67	147.28	26.47	5.56	PASS
3151.91	3121.12	-209.97	-90.11	3131.40	3102.22	-120.53	-214.14	98.84	154.07	27.11	5.68	PASS
3217.00†	3181.02	-233.37	-100.16	3194.04	3159.77	-135.40	-233.90	99.14	167.15	28.35	5.90	PASS
3317.00†	3273.04	-269.34	-115.59	3289.93	3246.78	-159.61	-266.09	98.73	188.10	30.39	6.19	PASS
3417.00†	3365.07	-305.30	-131.02	3385.20	3331.85	-185.39	-300.36	97.57	210.14	32.56	6.45	PASS
3517.00†	3457.09	-341.26	-146.46	3479.65	3414.73	-212.60	-336.55	95.89	233.41	34.82	6.70	PASS
3617.00†	3549.12	-377.22	-161.89	3573.09	3495.22	-241.13	-374.48	93.87	258.11	37.14	6.95	PASS
3717.00†	3641.14	-413.19	-177.33	3665.33	3573.11	-270.83	-413.96	91.65	284.41	39.48	7.20	PASS
3817.00†	3733.16	-449.15	-192.76	3756.22	3648.26	-301.55	-454.80	89.33	312.51	41.80	7.48	PASS
3917.00†	3825.19	-485.11	-208.19	3846.12	3720.98	-333.32	-497.04	86.97	342.54	44.06	7.77	PASS
4017.00†	3917.21	-521.07	-223.63	3940.18	3796.36	-367.14	-542.01	84.72	373.72	46.47	8.04	PASS
4117.00†	4009.24	-557.04	-239.06	4034.23	3871.73	-400.96	-586.97	82.81	405.35	48.89	8.29	PASS
4217.00†	4101.26	-593.00	-254.49	4128.28	3947.10	-434.77	-631.93	81.18	437.33	51.32	8.52	PASS
4317.00†	4193.29	-628.96	-269.93	4222.34	4022.47	-468.59	-676.89	79.77	469.59	53.75	8.74	PASS
4417.00†	4285.31	-664.92	-285.36	4316.39	4097.84	-502.41	-721.86	78.54	502.08	56.17	8.94	PASS
4517.00†	4377.34	-700.89	-300.80	4410.45	4173.21	-536.23	-766.82	77.45	534.75	58.60	9.13	PASS
4617.00†	4469.36	-736.85	-316.23	4504.50	4248.59	-570.04	-811.78	76.49	567.57	61.03	9.30	PASS
4717.00†	4561.38	-772.81	-331.66	4598.55	4323.96	-603.86	-856.74	75.64	600.52	63.47	9.46	PASS
4817.00†	4653.41	-808.78	-347.10	4692.61	4399.33	-637.68	-901.71	74.87	633.58	65.90	9.61	PASS
4917.00†	4745.43	-844.74	-362.53	4786.66	4474.70	-671.50	-946.67	74.18	666.72	68.34	9.76	PASS
5017.00†	4837.46	-880.70	-377.97	4880.72	4550.07	-705.32	-991.63	73.56	699.95	70.79	9.89	PASS
5117.00†	4929.48	-916.66	-393.40	4974.77	4625.45	-739.13	-1036.59	72.99	733.25	73.23	10.01	PASS
5217.00†	5021.51	-952.63	-408.83	5068.83	4700.82	-772.95	-1081.56	72.47	766.60	75.68	10.13	PASS
5317.00†	5113.53	-988.59	-424.27	5162.88	4776.19	-806.77	-1126.52	71.99	800.01	78.13	10.24	PASS
5417.00†	5205.55	-1024.55	-439.70	5256.93	4851.56	-840.59	-1171.48	71.55	833.46	80.59	10.34	PASS
5517.00†	5297.58	-1060.51	-455.14	5350.99	4926.93	-874.40	-1216.44	71.15	866.95	83.05	10.44	PASS
5617.00†	5389.60	-1096.48	-470.57	5445.04	5002.30	-908.22	-1261.40	70.77	900.48	85.51	10.53	PASS
5717.00†	5481.63	-1132.44	-486.00	5539.10	5077.68	-942.04	-1306.37	70.42	934.04	87.97	10.62	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE 41-34-2XRLNC PWB Offset Wellpath: NORTH PLATTE 41-34-2XRLNC (REV-A.0) PWP

Facility: SEC.26-T5N-R63W Slot: SLOT#19 NORTH PLATTE 41-34-2XRLNC Well: NORTH PLATTE 41-34-2XRLNC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	5633.15	5153.05	-975.86	-1351.33	70.10	967.62	90.44	10.70	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE 41-34-2XRLNC PWB Offset Wellpath: NORTH PLATTE 41-34-2XRLNC (REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE 41-34-2XRLNC PWB Offset Wellpath: NORTH PLATTE 41-34-2XRLNC (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]
9.625in Casing Surface	17.00	1550.00	1533.00	17.00	1550.00	7.33	-23.10	7.33	-23.10

SURVEY PROGRAM - Offset Wellbore: NORTH PLATTE 41-34-2XRLNC (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		NORTH PLATTE 41-34-2XRLNC PWB
1550.00	17120.29	BHI AutoTrak Curve (Axial Corr, Short spacing)		NORTH PLATTE 41-34-2XRLNC PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE 41-34-2XRLNC PWB Offset Wellpath: NORTH PLATTE 41-34-2XRLNC (REV-A.0) PWP

MD Reference: RIG (4555'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#23 STATE NORTH PLATTE 21-35-2MRLNB		Well: STATE NORTH PLATTE 21-35-2MRLNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	17.00	17.00	-19.31	57.40	108.59	60.56	1.40	99.60	PASS
117.00†	117.00	0.00	0.00	117.00	117.00	-19.31	57.40	108.59	60.56	2.02	49.02	PASS
217.00†	217.00	0.00	0.00	217.00	217.00	-19.31	57.40	108.59	60.56	3.00	27.17	PASS
317.00†	317.00	0.00	0.00	317.00	317.00	-19.31	57.40	108.59	60.56	4.02	18.55	PASS
417.00†	417.00	0.00	0.00	417.00	417.00	-19.31	57.40	108.59	60.56	5.06	14.04	PASS
517.00†	517.00	0.00	0.00	517.00	517.00	-19.31	57.40	108.59	60.56	6.10	11.28	PASS
617.00†	617.00	0.00	0.00	617.00	617.00	-19.31	57.40	108.59	60.56	7.14	9.43	PASS
717.00†	717.00	0.00	0.00	717.00	717.00	-19.31	57.40	108.59	60.56	8.18	8.10	PASS
817.00†	817.00	0.00	0.00	817.00	817.00	-19.31	57.40	108.59	60.56	9.23	7.09	PASS
917.00†	917.00	0.00	0.00	917.00	917.00	-19.31	57.40	108.59	60.56	10.27	6.31	PASS
1017.00†	1017.00	0.00	0.00	1017.00	1017.00	-19.31	57.40	108.59	60.56	11.32	5.68	PASS
1117.00†	1117.00	0.00	0.00	1117.00	1117.00	-19.31	57.40	108.59	60.56	12.36	5.17	PASS
1217.00†	1217.00	0.00	0.00	1217.00	1217.00	-19.31	57.40	108.59	60.56	13.41	4.74	PASS
1317.00†	1317.00	0.00	0.00	1317.00	1317.00	-19.31	57.40	108.59	60.56	14.46	4.38	PASS
1417.00†	1417.00	0.00	0.00	1417.00	1417.00	-19.31	57.40	108.59	60.56	15.50	4.07	PASS
1517.00†	1517.00	0.00	0.00	1517.00	1517.00	-19.31	57.40	108.59	60.56	16.55	3.80	PASS
1617.00†	1617.00	0.00	0.00	1617.00	1617.00	-19.31	57.40	108.59	60.56	16.27	3.72	PASS
1717.00†	1717.00	0.00	0.00	1717.00	1717.00	-19.31	57.40	108.59	60.56	16.33	3.71	PASS
1817.00†	1817.00	0.00	0.00	1817.00	1817.00	-19.31	57.40	108.59	60.56	16.46	3.68	PASS
1917.00†	1917.00	0.00	0.00	1917.00	1917.00	-19.31	57.40	108.59	60.56	16.65	3.64	PASS
2000.00	2000.00	0.00	0.00	2000.00	2000.00	-19.31	57.40	108.59	60.56	16.85	3.59	PASS
2017.00†	2017.00	-0.05	-0.02	2016.82	2016.82	-19.36	57.41	-94.64	60.59	16.90	3.59	PASS
2117.00†	2116.97	-2.20	-0.94	2115.76	2115.73	-21.60	57.87	-94.92	61.94	17.22	3.60	PASS
2217.00†	2216.79	-7.55	-3.24	2214.62	2214.42	-27.18	59.00	-95.55	65.31	17.63	3.70	PASS
2317.00†	2316.35	-16.10	-6.91	2313.35	2312.72	-36.09	60.81	-96.42	70.70	18.10	3.91	PASS
2417.00†	2415.53	-27.84	-11.95	2411.88	2410.46	-48.27	63.29	-97.41	78.12	18.65	4.19	PASS
2517.00†	2514.20	-42.75	-18.35	2510.16	2507.47	-63.71	66.42	-98.41	87.58	19.30	4.54	PASS
2617.00†	2612.24	-60.82	-26.10	2608.13	2603.57	-82.33	70.20	-99.34	99.05	20.06	4.94	PASS
2717.00†	2709.54	-82.02	-35.20	2705.73	2698.61	-104.07	74.61	-100.15	112.54	20.96	5.37	PASS
2817.00†	2805.97	-106.33	-45.63	2802.91	2792.44	-128.85	79.65	-100.84	128.01	22.02	5.81	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#23 STATE NORTH PLATTE 21-35-2MRLNB		Well: STATE NORTH PLATTE 21-35-2MRLNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	2899.63	2884.92	-156.60	85.28	-101.40	145.43	23.25	6.26	PASS
3017.00†	2995.77	-164.15	-70.45	2995.84	2975.90	-187.23	91.50	-101.84	164.79	24.71	6.67	PASS
3117.00†	3088.91	-197.59	-84.80	3092.19	3065.99	-220.72	98.30	-102.22	185.97	26.27	7.08	PASS
3151.91	3121.12	-209.97	-90.11	3126.22	3097.72	-232.78	100.75	-102.48	193.64	26.88	7.20	PASS
3217.00†	3181.02	-233.37	-100.16	3189.64	3156.84	-255.25	105.32	-103.28	208.04	28.05	7.42	PASS
3317.00†	3273.04	-269.34	-115.59	3287.07	3247.67	-289.79	112.33	-104.31	230.24	29.94	7.69	PASS
3417.00†	3365.07	-305.30	-131.02	3384.50	3338.51	-324.32	119.34	-105.16	252.49	31.91	7.91	PASS
3517.00†	3457.09	-341.26	-146.46	3481.93	3429.35	-358.85	126.35	-105.88	274.78	33.95	8.09	PASS
3617.00†	3549.12	-377.22	-161.89	3579.36	3520.18	-393.38	133.36	-106.48	297.11	36.03	8.25	PASS
3717.00†	3641.14	-413.19	-177.33	3676.79	3611.02	-427.91	140.38	-107.01	319.47	38.15	8.37	PASS
3817.00†	3733.16	-449.15	-192.76	3774.22	3701.85	-462.44	147.39	-107.46	341.85	40.31	8.48	PASS
3917.00†	3825.19	-485.11	-208.19	3871.65	3792.69	-496.97	154.40	-107.86	364.24	42.50	8.57	PASS
4017.00†	3917.21	-521.07	-223.63	3969.08	3883.52	-531.51	161.41	-108.21	386.65	44.72	8.65	PASS
4117.00†	4009.24	-557.04	-239.06	4066.51	3974.36	-566.04	168.43	-108.52	409.08	46.95	8.71	PASS
4217.00†	4101.26	-593.00	-254.49	4163.94	4065.20	-600.57	175.44	-108.80	431.51	49.21	8.77	PASS
4317.00†	4193.29	-628.96	-269.93	4261.37	4156.03	-635.10	182.45	-109.05	453.95	51.48	8.82	PASS
4417.00†	4285.31	-664.92	-285.36	4358.80	4246.87	-669.63	189.46	-109.28	476.40	53.76	8.86	PASS
4517.00†	4377.34	-700.89	-300.80	4456.23	4337.70	-704.16	196.47	-109.49	498.86	56.06	8.90	PASS
4617.00†	4469.36	-736.85	-316.23	4553.66	4428.54	-738.69	203.49	-109.68	521.32	58.37	8.93	PASS
4717.00†	4561.38	-772.81	-331.66	4651.09	4519.37	-773.23	210.50	-109.86	543.79	60.69	8.96	PASS
4817.00†	4653.41	-808.78	-347.10	4748.52	4610.21	-807.76	217.51	-110.02	566.26	63.02	8.99	PASS
4917.00†	4745.43	-844.74	-362.53	4845.95	4701.05	-842.29	224.52	-110.17	588.74	65.35	9.01	PASS
5017.00†	4837.46	-880.70	-377.97	4943.39	4791.88	-876.82	231.54	-110.30	611.22	67.69	9.03	PASS
5117.00†	4929.48	-916.66	-393.40	5040.82	4882.72	-911.35	238.55	-110.43	633.70	70.04	9.05	PASS
5217.00†	5021.51	-952.63	-408.83	5138.25	4973.55	-945.88	245.56	-110.55	656.18	72.39	9.06	PASS
5317.00†	5113.53	-988.59	-424.27	5235.68	5064.39	-980.41	252.57	-110.66	678.67	74.75	9.08	PASS
5417.00†	5205.55	-1024.55	-439.70	5333.11	5155.22	-1014.94	259.58	-110.77	701.16	77.12	9.09	PASS
5517.00†	5297.58	-1060.51	-455.14	5430.54	5246.06	-1049.48	266.60	-110.86	723.65	79.48	9.10	PASS
5617.00†	5389.60	-1096.48	-470.57	5527.97	5336.90	-1084.01	273.61	-110.95	746.15	81.85	9.12	PASS
5717.00†	5481.63	-1132.44	-486.00	5625.40	5427.73	-1118.54	280.62	-111.04	768.64	84.23	9.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#23 STATE NORTH PLATTE 21-35-2MRLNB		Well: STATE NORTH PLATTE 21-35-2MRLNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	5722.83	5518.57	-1153.07	287.63	-111.12	791.14	86.61	9.13	PASS
5917.00†	5665.68	-1204.36	-516.87	5820.26	5609.40	-1187.60	294.64	-111.20	813.64	88.99	9.14	PASS
6017.00†	5757.70	-1240.33	-532.31	5917.69	5700.24	-1222.13	301.66	-111.27	836.14	91.37	9.15	PASS
6117.00†	5849.72	-1276.29	-547.74	6015.12	5791.07	-1256.66	308.67	-111.34	858.64	93.76	9.16	PASS
6215.13	5940.03	-1311.58	-562.89	6110.73	5880.21	-1290.55	315.55	-111.41	880.72	96.10	9.16	PASS
6217.00†	5941.75	-1312.26	-563.17	6112.55	5881.91	-1291.20	315.68	-111.18	881.14	96.15	9.16	PASS
6317.00†	6030.08	-1356.45	-577.97	6211.77	5973.78	-1327.93	322.78	-102.57	902.96	98.78	9.14	PASS
6417.00†	6109.51	-1415.53	-591.24	6315.49	6062.88	-1380.28	329.70	-97.62	922.80	102.29	9.02	PASS
6517.00†	6177.62	-1487.69	-602.58	6422.04	6143.09	-1449.90	336.00	-94.42	939.97	106.68	8.81	PASS
6617.00†	6232.34	-1570.74	-611.65	6531.37	6210.59	-1535.52	341.36	-92.28	953.90	111.86	8.53	PASS
6717.00†	6272.01	-1662.17	-618.16	6643.16	6261.58	-1634.72	345.50	-90.92	964.11	117.67	8.19	PASS
6817.00†	6295.42	-1759.18	-621.93	6756.80	6292.76	-1743.77	348.15	-90.19	970.21	123.90	7.83	PASS
6904.53	6302.00	-1846.38	-622.88	6857.12	6301.99	-1843.53	349.11	-90.00	972.00	129.49	7.51	PASS
6917.00†	6302.00	-1858.85	-622.86	6869.95	6302.00	-1856.37	349.15	-90.00	972.01	130.22	7.46	PASS
7017.00†	6302.00	-1958.84	-622.68	6969.95	6302.00	-1956.37	349.40	-90.00	972.08	136.00	7.15	PASS
7117.00†	6302.00	-2058.84	-622.49	7069.95	6302.00	-2056.36	349.66	-90.00	972.15	141.91	6.85	PASS
7217.00†	6302.00	-2158.84	-622.31	7169.95	6302.00	-2156.36	349.91	-90.00	972.23	147.85	6.58	PASS
7317.00†	6302.00	-2258.84	-622.13	7269.95	6302.00	-2256.36	350.17	-90.00	972.30	153.84	6.32	PASS
7417.00†	6302.00	-2358.84	-621.95	7369.95	6302.00	-2356.36	350.42	-90.00	972.37	159.85	6.08	PASS
7517.00†	6302.00	-2458.84	-621.77	7469.95	6302.00	-2456.36	350.68	-90.00	972.45	165.89	5.86	PASS
7617.00†	6302.00	-2558.84	-621.59	7569.95	6302.00	-2556.36	350.93	-90.00	972.52	171.95	5.66	PASS
7717.00†	6302.00	-2658.84	-621.41	7669.95	6302.00	-2656.36	351.19	-90.00	972.60	178.03	5.46	PASS
7817.00†	6302.00	-2758.84	-621.23	7769.95	6302.00	-2756.36	351.44	-90.00	972.67	184.13	5.28	PASS
7917.00†	6302.00	-2858.84	-621.04	7869.95	6302.00	-2856.36	351.70	-90.00	972.74	190.48	5.11	PASS
8017.00†	6302.00	-2958.84	-620.86	7969.95	6302.00	-2956.36	351.95	-90.00	972.82	196.38	4.95	PASS
8117.00†	6302.00	-3058.84	-620.68	8069.95	6302.00	-3056.36	352.21	-90.00	972.89	202.53	4.80	PASS
8217.00†	6302.00	-3158.84	-620.50	8169.95	6302.00	-3156.36	352.46	-90.00	972.96	208.69	4.66	PASS
8317.00†	6302.00	-3258.84	-620.32	8269.95	6302.00	-3256.36	352.72	-90.00	973.04	214.86	4.53	PASS
8417.00†	6302.00	-3358.84	-620.14	8369.95	6302.00	-3356.36	352.97	-90.00	973.11	221.05	4.40	PASS
8517.00†	6302.00	-3458.84	-619.96	8469.95	6302.00	-3456.36	353.23	-90.00	973.19	227.24	4.28	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#23 STATE NORTH PLATTE 21-35-2MRLNB		Well: STATE NORTH PLATTE 21-35-2MRLNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8617.00†	6302.00	-3558.84	-619.77	8569.95	6302.00	-3556.36	353.48	-90.00	973.26	233.44	4.17	PASS
8717.00†	6302.00	-3658.84	-619.59	8669.95	6302.00	-3656.36	353.74	-90.00	973.33	239.65	4.06	PASS
8817.00†	6302.00	-3758.84	-619.41	8769.95	6302.00	-3756.36	353.99	-90.00	973.41	245.87	3.96	PASS
8917.00†	6302.00	-3858.84	-619.23	8869.95	6302.00	-3856.36	354.25	-90.00	973.48	252.09	3.86	PASS
9017.00†	6302.00	-3958.84	-619.05	8969.95	6302.00	-3956.36	354.50	-90.00	973.55	258.33	3.77	PASS
9117.00†	6302.00	-4058.84	-618.87	9069.95	6302.00	-4056.36	354.76	-90.00	973.63	264.56	3.68	PASS
9217.00†	6302.00	-4158.84	-618.69	9169.95	6302.00	-4156.36	355.01	-90.00	973.70	270.81	3.60	PASS
9317.00†	6302.00	-4258.84	-618.50	9269.95	6302.00	-4256.36	355.27	-90.00	973.78	277.06	3.51	PASS
9417.00†	6302.00	-4358.84	-618.32	9369.95	6302.00	-4356.36	355.52	-90.00	973.85	283.31	3.44	PASS
9517.00†	6302.00	-4458.84	-618.14	9469.95	6302.00	-4456.36	355.78	-90.00	973.92	289.57	3.36	PASS
9617.00†	6302.00	-4558.84	-617.96	9569.95	6302.00	-4556.36	356.03	-90.00	974.00	295.83	3.29	PASS
9717.00†	6302.00	-4658.84	-617.78	9669.95	6302.00	-4656.36	356.29	-90.00	974.07	302.10	3.22	PASS
9817.00†	6302.00	-4758.84	-617.60	9769.95	6302.00	-4756.36	356.54	-90.00	974.14	308.37	3.16	PASS
9917.00†	6302.00	-4858.84	-617.42	9869.95	6302.00	-4856.36	356.80	-90.00	974.22	314.65	3.10	PASS
10017.00†	6302.00	-4958.84	-617.24	9969.95	6302.00	-4956.35	357.05	-90.00	974.29	320.92	3.04	PASS
10117.00†	6302.00	-5058.84	-617.05	10069.95	6302.00	-5056.35	357.31	-90.00	974.36	327.20	2.98	PASS
10217.00†	6302.00	-5158.84	-616.87	10169.95	6302.00	-5156.35	357.56	-90.00	974.44	333.49	2.92	PASS
10317.00†	6302.00	-5258.84	-616.69	10269.95	6302.00	-5256.35	357.82	-90.00	974.51	339.78	2.87	PASS
10417.00†	6302.00	-5358.84	-616.51	10369.95	6302.00	-5356.35	358.07	-90.00	974.59	346.07	2.82	PASS
10517.00†	6302.00	-5458.84	-616.33	10469.95	6302.00	-5456.35	358.33	-90.00	974.66	352.36	2.77	PASS
10617.00†	6302.00	-5558.84	-616.15	10569.95	6302.00	-5556.35	358.58	-90.00	974.73	358.65	2.72	PASS
10717.00†	6302.00	-5658.84	-615.97	10669.95	6302.00	-5656.35	358.84	-90.00	974.81	364.95	2.67	PASS
10817.00†	6302.00	-5758.84	-615.78	10769.95	6302.00	-5756.35	359.09	-90.00	974.88	371.25	2.63	PASS
10917.00†	6302.00	-5858.84	-615.60	10869.95	6302.00	-5856.35	359.35	-90.00	974.95	377.55	2.58	PASS
11017.00†	6302.00	-5958.84	-615.42	10969.95	6302.00	-5956.35	359.60	-90.00	975.03	383.86	2.54	PASS
11117.00†	6302.00	-6058.84	-615.24	11069.95	6302.00	-6056.35	359.86	-90.00	975.10	390.16	2.50	PASS
11217.00†	6302.00	-6158.84	-615.06	11169.95	6302.00	-6156.35	360.11	-90.00	975.18	396.47	2.46	PASS
11317.00†	6302.00	-6258.84	-614.88	11269.95	6302.00	-6256.35	360.37	-90.00	975.25	402.78	2.42	PASS
11417.00†	6302.00	-6358.84	-614.70	11369.95	6302.00	-6356.35	360.62	-90.00	975.32	409.09	2.38	PASS
11517.00†	6302.00	-6458.84	-614.51	11469.95	6302.00	-6456.35	360.88	-90.00	975.40	415.40	2.35	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#23 STATE NORTH PLATTE 21-35-2MRLNB		Well: STATE NORTH PLATTE 21-35-2MRLNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11617.00†	6302.00	-6558.84	-614.33	11569.95	6302.00	-6556.35	361.13	-90.00	975.47	421.71	2.31	PASS
11717.00†	6302.00	-6658.84	-614.15	11669.95	6302.00	-6656.35	361.39	-90.00	975.54	428.03	2.28	PASS
11763.22†	6302.00	-6705.06	-614.07	11693.25	6302.00	-6679.65	361.45	-90.00	975.85	429.86	2.27	PASS
11817.00†	6302.00	-6758.84	-613.97	11693.25	6302.00	-6679.65	361.45	-90.00	978.63	429.80	2.28	PASS
11917.00†	6302.00	-6858.84	-613.79	11693.25	6302.00	-6679.65	361.45	-90.00	991.56	426.43	2.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) 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 Surface	17.00	1550.00	1533.00	17.00	1550.00	-11.77	34.99	-11.77	34.99

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE 21-35-2MRLNB PWB
1550.00	12370.37	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE 21-35-2MRLNB PWB



Clearance Report
STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE 21-35-2MRLNB PWB Offset Wellpath: STATE NORTH PLATTE 21-35-2MRLNB (REV-B.1) PWP	
MD Reference: RIG (4555'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP												
Facility: SEC.02-T4N-R63W		Slot: SLOT#08 Ex.Latham 14-2 (614°FSL & 719°FWL,SEC.2)		Well: Ex.Latham 14-2		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	-1.00	17.00	-11412.65	-1559.53	-172.22	11518.72	25.40	468.17	PASS
117.00†	117.00	0.00	0.00	128.55	146.55	-11412.53	-1559.39	-172.22	11518.61	60.16	193.90	PASS
217.00†	217.00	0.00	0.00	257.34	275.34	-11412.07	-1558.90	-172.22	11518.20	60.18	193.82	PASS
317.00†	317.00	0.00	0.00	311.99	329.99	-11411.94	-1558.58	-172.22	11517.89	60.22	193.70	PASS
417.00†	417.00	0.00	0.00	366.64	384.64	-11412.04	-1558.19	-172.23	11517.98	60.26	193.56	PASS
517.00†	517.00	0.00	0.00	421.29	439.28	-11412.37	-1557.74	-172.23	11518.45	60.32	193.38	PASS
617.00†	617.00	0.00	0.00	475.93	493.92	-11412.92	-1557.22	-172.23	11519.32	60.38	193.19	PASS
717.00†	717.00	0.00	0.00	729.12	747.07	-11414.89	-1553.23	-172.25	11520.12	60.50	192.81	PASS
817.00†	817.00	0.00	0.00	829.28	847.21	-11414.83	-1551.31	-172.26	11519.80	60.44	192.46	PASS
917.00†	917.00	0.00	0.00	905.29	923.21	-11414.90	-1549.86	-172.27	11519.64	60.56	192.09	PASS
1017.00†	1017.00	0.00	0.00	979.88	997.77	-11415.13	-1548.45	-172.28	11519.69	60.68	191.69	PASS
1117.00†	1117.00	0.00	0.00	1226.00	1243.82	-11415.19	-1542.65	-172.30	11519.66	60.88	191.06	PASS
1217.00†	1217.00	0.00	0.00	1322.99	1340.79	-11414.17	-1540.99	-172.31	11518.39	61.04	190.52	PASS
1317.00†	1317.00	0.00	0.00	1435.66	1453.46	-11413.15	-1540.40	-172.31	11517.44	61.22	189.94	PASS
1417.00†	1417.00	0.00	0.00	1567.46	1585.24	-11411.41	-1540.27	-172.31	11516.11	61.42	189.29	PASS
1517.00†	1517.00	0.00	0.00	1656.28	1674.05	-11410.09	-1540.13	-172.31	11514.63	61.62	188.65	PASS
1617.00†	1617.00	0.00	0.00	1716.20	1733.97	-11409.42	-1539.66	-172.32	11513.43	61.33	188.29	PASS
1717.00†	1717.00	0.00	0.00	1757.48	1775.25	-11409.17	-1539.20	-172.32	11512.67	61.36	188.21	PASS
1817.00†	1817.00	0.00	0.00	1798.77	1816.53	-11409.13	-1538.67	-172.32	11512.42	61.41	188.04	PASS
1917.00†	1917.00	0.00	0.00	1942.64	1960.39	-11409.05	-1536.93	-172.33	11512.18	61.52	187.68	PASS
2000.00	2000.00	0.00	0.00	2112.65	2130.40	-11408.00	-1536.21	-172.33	11511.71	61.66	187.27	PASS
2017.00†	2017.00	-0.05	-0.02	2142.31	2160.05	-11407.66	-1536.15	-15.56	11511.46	61.68	187.18	PASS
2117.00†	2116.97	-2.20	-0.94	2248.36	2266.10	-11406.23	-1536.19	-15.58	11507.87	61.82	186.72	PASS
2217.00†	2216.79	-7.55	-3.24	2378.43	2396.15	-11404.29	-1536.75	-15.63	11500.85	62.02	186.01	PASS
2317.00†	2316.35	-16.10	-6.91	2445.18	2462.89	-11403.29	-1537.08	-15.69	11490.48	62.19	185.32	PASS
2417.00†	2415.53	-27.84	-11.95	2557.08	2574.78	-11401.79	-1537.39	-15.78	11476.89	62.41	184.45	PASS
2517.00†	2514.20	-42.75	-18.35	2654.33	2672.02	-11400.43	-1537.37	-15.89	11459.90	62.63	183.52	PASS
2617.00†	2612.24	-60.82	-26.10	2743.59	2761.27	-11399.21	-1537.54	-16.03	11439.65	62.86	182.53	PASS
2717.00†	2709.54	-82.02	-35.20	2870.45	2888.12	-11397.34	-1537.73	-16.20	11416.04	63.13	181.36	PASS
2817.00†	2805.97	-106.33	-45.63	2986.06	3003.71	-11395.44	-1537.61	-16.41	11388.98	63.41	180.13	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP												
Facility: SEC.02-T4N-R63W Slot: SLOT#08 Ex.Latham 14-2 (614°FSL & 719°FWL,SEC.2)				Well: Ex.Latham 14-2		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	3039.09	3056.74	-11394.60	-1537.59	-16.61	11358.80	63.66	178.96	PASS
3017.00†	2995.77	-164.15	-70.45	3089.14	3106.78	-11393.98	-1537.79	-16.84	11325.83	63.92	177.72	PASS
3117.00†	3088.91	-197.59	-84.80	3154.82	3172.46	-11393.36	-1538.21	-17.09	11290.02	64.20	176.37	PASS
3151.91	3121.12	-209.97	-90.11	3177.57	3195.20	-11393.17	-1538.37	-17.19	11276.84	64.30	175.89	PASS
3217.00†	3181.02	-233.37	-100.16	3200.56	3218.20	-11393.03	-1538.55	-17.20	11252.04	64.45	175.09	PASS
3317.00†	3273.04	-269.34	-115.59	3234.20	3251.83	-11392.98	-1538.82	-17.23	11214.34	64.69	173.86	PASS
3417.00†	3365.07	-305.30	-131.02	3283.28	3300.91	-11393.12	-1539.26	-17.25	11177.08	64.96	172.56	PASS
3517.00†	3457.09	-341.26	-146.46	3344.18	3361.81	-11393.49	-1539.94	-17.29	11140.13	65.25	171.21	PASS
3617.00†	3549.12	-377.22	-161.89	3410.16	3427.77	-11394.02	-1540.83	-17.33	11103.43	65.57	169.83	PASS
3717.00†	3641.14	-413.19	-177.33	3474.67	3492.28	-11394.70	-1541.70	-17.36	11066.95	65.90	168.42	PASS
3817.00†	3733.16	-449.15	-192.76	3533.59	3551.18	-11395.46	-1542.75	-17.40	11030.75	66.24	167.00	PASS
3917.00†	3825.19	-485.11	-208.19	3598.45	3616.03	-11396.46	-1544.07	-17.43	10994.81	66.60	165.55	PASS
4017.00†	3917.21	-521.07	-223.63	3686.38	3703.92	-11398.02	-1545.89	-17.48	10959.10	67.00	164.03	PASS
4117.00†	4009.24	-557.04	-239.06	3851.27	3868.75	-11400.25	-1549.41	-17.57	10923.01	67.48	162.31	PASS
4217.00†	4101.26	-593.00	-254.49	3961.24	3978.68	-11401.35	-1552.10	-17.63	10886.65	67.94	160.69	PASS
4317.00†	4193.29	-628.96	-269.93	4080.09	4097.50	-11402.16	-1555.06	-17.70	10850.00	68.41	159.03	PASS
4417.00†	4285.31	-664.92	-285.36	4196.00	4213.39	-11402.76	-1557.10	-17.77	10813.12	68.90	157.35	PASS
4517.00†	4377.34	-700.89	-300.80	4255.09	4272.47	-11403.11	-1558.22	-17.80	10776.35	69.36	155.79	PASS
4617.00†	4469.36	-736.85	-316.23	4323.32	4340.68	-11403.71	-1559.58	-17.84	10739.85	69.83	154.21	PASS
4717.00†	4561.38	-772.81	-331.66	4396.48	4413.83	-11404.53	-1560.71	-17.88	10703.54	70.32	152.61	PASS
4817.00†	4653.41	-808.78	-347.10	4467.46	4484.79	-11405.51	-1561.32	-17.93	10667.40	70.82	151.02	PASS
4917.00†	4745.43	-844.74	-362.53	4523.20	4540.53	-11406.46	-1561.57	-17.97	10631.54	71.32	149.45	PASS
5017.00†	4837.46	-880.70	-377.97	4668.42	4685.73	-11408.96	-1561.92	-18.07	10595.71	71.93	147.70	PASS
5117.00†	4929.48	-916.66	-393.40	4749.33	4766.62	-11410.14	-1562.25	-18.12	10559.63	72.48	146.07	PASS
5217.00†	5021.51	-952.63	-408.83	4855.59	4872.87	-11411.76	-1562.43	-18.20	10523.62	73.06	144.40	PASS
5317.00†	5113.53	-988.59	-424.27	5034.15	5051.42	-11413.47	-1561.99	-18.33	10486.96	73.74	142.58	PASS
5417.00†	5205.55	-1024.55	-439.70	5110.32	5127.59	-11414.01	-1561.72	-18.39	10450.16	74.32	140.96	PASS
5517.00†	5297.58	-1060.51	-455.14	5186.33	5203.60	-11414.68	-1561.36	-18.45	10413.52	74.92	139.35	PASS
5617.00†	5389.60	-1096.48	-470.57	5309.60	5326.86	-11415.72	-1560.45	-18.54	10376.83	75.57	137.65	PASS
5717.00†	5481.63	-1132.44	-486.00	5368.51	5385.77	-11416.22	-1560.05	-18.59	10340.16	76.17	136.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP

Facility: SEC.02-T4N-R63W Slot: SLOT#08 Ex.Latham 14-2 (614°FSL & 719°FWL,SEC.2) Well: Ex.Latham 14-2 Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	5461.57	5478.82	-11417.18	-1559.70	-18.66	10303.71	76.82	134.46	PASS
5917.00†	5665.68	-1204.36	-516.87	5561.68	5578.92	-11418.06	-1559.64	-18.74	10267.16	77.48	132.83	PASS
6017.00†	5757.70	-1240.33	-532.31	5688.45	5705.69	-11418.92	-1559.43	-18.84	10230.42	78.18	131.17	PASS
6117.00†	5849.72	-1276.29	-547.74	5761.88	5779.12	-11419.37	-1559.41	-18.89	10193.65	78.83	129.61	PASS
6215.13	5940.03	-1311.58	-562.89	5879.35	5896.59	-11419.93	-1559.73	-18.98	10157.47	79.53	128.02	PASS
6217.00†	5941.75	-1312.26	-563.17	5880.60	5897.84	-11419.93	-1559.73	-18.79	10156.78	79.54	127.99	PASS
6317.00†	6030.08	-1356.45	-577.97	5945.28	5962.52	-11420.28	-1559.82	-11.34	10111.84	80.37	126.11	PASS
6417.00†	6109.51	-1415.53	-591.24	6041.28	6058.52	-11420.86	-1559.89	-6.82	10052.24	81.66	123.38	PASS
6517.00†	6177.62	-1487.69	-602.58	6109.42	6126.66	-11421.19	-1560.01	-3.19	9979.67	82.67	120.98	PASS
6617.00†	6232.34	-1570.74	-611.65	6181.78	6199.02	-11421.52	-1560.03	0.83	9896.39	83.43	118.89	PASS
6717.00†	6272.01	-1662.17	-618.16	6201.00	6218.24	-11421.59	-1559.97	7.38	9804.91	83.87	117.16	PASS
6817.00†	6295.42	-1759.18	-621.93	6201.00	6218.24	-11421.59	-1559.97	24.85	9708.14	84.06	115.75	PASS
6904.53	6302.00	-1846.38	-622.88	6201.00	6218.24	-11421.59	-1559.97	84.99	9621.32	84.06	114.72	PASS
6917.00†	6302.00	-1858.85	-622.86	6201.00	6218.24	-11421.59	-1559.97	84.99	9608.91	84.05	114.58	PASS
7017.00†	6302.00	-1958.84	-622.68	6201.00	6218.24	-11421.59	-1559.97	84.99	9509.42	83.96	113.51	PASS
7117.00†	6302.00	-2058.84	-622.49	6201.00	6218.24	-11421.59	-1559.97	84.99	9409.93	83.87	112.44	PASS
7217.00†	6302.00	-2158.84	-622.31	6201.00	6218.24	-11421.59	-1559.97	84.99	9310.46	83.79	111.36	PASS
7317.00†	6302.00	-2258.84	-622.13	6201.00	6218.24	-11421.59	-1559.97	84.99	9210.99	83.71	110.28	PASS
7417.00†	6302.00	-2358.84	-621.95	6201.00	6218.24	-11421.59	-1559.97	84.99	9111.54	83.63	109.19	PASS
7517.00†	6302.00	-2458.84	-621.77	6201.00	6218.24	-11421.59	-1559.97	84.99	9012.10	83.56	108.09	PASS
7617.00†	6302.00	-2558.84	-621.59	6201.00	6218.24	-11421.59	-1559.97	84.99	8912.68	83.49	106.99	PASS
7717.00†	6302.00	-2658.84	-621.41	6201.00	6218.24	-11421.59	-1559.97	84.99	8813.26	83.42	105.89	PASS
7817.00†	6302.00	-2758.84	-621.23	6201.00	6218.24	-11421.59	-1559.97	84.99	8713.86	83.35	104.78	PASS
7917.00†	6302.00	-2858.84	-621.04	6201.00	6218.24	-11421.59	-1559.97	84.99	8614.48	83.29	103.66	PASS
8017.00†	6302.00	-2958.84	-620.86	6201.00	6218.24	-11421.59	-1559.97	84.99	8515.10	83.23	102.53	PASS
8117.00†	6302.00	-3058.84	-620.68	6201.00	6218.24	-11421.59	-1559.97	84.99	8415.75	83.18	101.40	PASS
8217.00†	6302.00	-3158.84	-620.50	6201.00	6218.24	-11421.59	-1559.97	84.99	8316.40	83.13	100.26	PASS
8317.00†	6302.00	-3258.84	-620.32	6201.00	6218.24	-11421.59	-1559.97	84.99	8217.08	83.09	99.12	PASS
8417.00†	6302.00	-3358.84	-620.14	6201.00	6218.24	-11421.59	-1559.97	84.99	8117.77	83.05	97.97	PASS
8517.00†	6302.00	-3458.84	-619.96	6201.00	6218.24	-11421.59	-1559.97	84.99	8018.48	83.02	96.81	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
Closest Approach
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP

Facility: SEC.02-T4N-R63W Slot: SLOT#08 Ex.Latham 14-2 (614°FSL & 719°FWL,SEC.2) Well: Ex.Latham 14-2 Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
8617.00†	6302.00	-3558.84	-619.77	6201.00	6218.24	-11421.59	-1559.97	84.99	7919.20	82.99	95.64	PASS
8717.00†	6302.00	-3658.84	-619.59	6201.00	6218.24	-11421.59	-1559.97	84.99	7819.95	82.97	94.46	PASS
8817.00†	6302.00	-3758.84	-619.41	6201.00	6218.24	-11421.59	-1559.97	84.99	7720.71	82.96	93.28	PASS
8917.00†	6302.00	-3858.84	-619.23	6201.00	6218.24	-11421.59	-1559.97	84.99	7621.49	82.95	92.08	PASS
9017.00†	6302.00	-3958.84	-619.05	6201.00	6218.24	-11421.59	-1559.97	84.99	7522.30	82.96	90.88	PASS
9117.00†	6302.00	-4058.84	-618.87	6201.00	6218.24	-11421.59	-1559.97	84.99	7423.12	82.97	89.67	PASS
9217.00†	6302.00	-4158.84	-618.69	6201.00	6218.24	-11421.59	-1559.97	84.99	7323.97	82.99	88.45	PASS
9317.00†	6302.00	-4258.84	-618.50	6201.00	6218.24	-11421.59	-1559.97	84.99	7224.84	83.02	87.21	PASS
9417.00†	6302.00	-4358.84	-618.32	6201.00	6218.24	-11421.59	-1559.97	84.99	7125.74	83.07	85.97	PASS
9517.00†	6302.00	-4458.84	-618.14	6201.00	6218.24	-11421.59	-1559.97	84.99	7026.66	83.12	84.72	PASS
9617.00†	6302.00	-4558.84	-617.96	6201.00	6218.24	-11421.59	-1559.97	84.99	6927.60	83.19	83.46	PASS
9717.00†	6302.00	-4658.84	-617.78	6201.00	6218.24	-11421.59	-1559.97	84.99	6828.58	83.28	82.18	PASS
9817.00†	6302.00	-4758.84	-617.60	6201.00	6218.24	-11421.59	-1559.97	84.99	6729.58	83.37	80.89	PASS
9917.00†	6302.00	-4858.84	-617.42	6201.00	6218.24	-11421.59	-1559.97	84.99	6630.62	83.49	79.60	PASS
10017.00†	6302.00	-4958.84	-617.24	6201.00	6218.24	-11421.59	-1559.97	84.99	6531.68	83.62	78.28	PASS
10117.00†	6302.00	-5058.84	-617.05	6201.00	6218.24	-11421.59	-1559.97	84.99	6432.78	83.77	76.96	PASS
10217.00†	6302.00	-5158.84	-616.87	6201.00	6218.24	-11421.59	-1559.97	84.99	6333.91	83.94	75.62	PASS
10317.00†	6302.00	-5258.84	-616.69	6201.00	6218.24	-11421.59	-1559.97	84.99	6235.08	84.13	74.28	PASS
10417.00†	6302.00	-5358.84	-616.51	6201.00	6218.24	-11421.59	-1559.97	84.99	6136.29	84.34	72.91	PASS
10517.00†	6302.00	-5458.84	-616.33	6201.00	6218.24	-11421.59	-1559.97	84.99	6037.54	84.58	71.54	PASS
10617.00†	6302.00	-5558.84	-616.15	6201.00	6218.24	-11421.59	-1559.97	84.99	5938.83	84.85	70.15	PASS
10717.00†	6302.00	-5658.84	-615.97	6201.00	6218.24	-11421.59	-1559.97	84.99	5840.16	85.14	68.74	PASS
10817.00†	6302.00	-5758.84	-615.78	6201.00	6218.24	-11421.59	-1559.97	84.99	5741.54	85.47	67.32	PASS
10917.00†	6302.00	-5858.84	-615.60	6201.00	6218.24	-11421.59	-1559.97	84.99	5642.96	85.83	65.89	PASS
11017.00†	6302.00	-5958.84	-615.42	6201.00	6218.24	-11421.59	-1559.97	84.99	5544.44	86.22	64.45	PASS
11117.00†	6302.00	-6058.84	-615.24	6201.00	6218.24	-11421.59	-1559.97	84.99	5445.97	86.65	62.99	PASS
11217.00†	6302.00	-6158.84	-615.06	6201.00	6218.24	-11421.59	-1559.97	84.99	5347.56	87.12	61.51	PASS
11317.00†	6302.00	-6258.84	-614.88	6201.00	6218.24	-11421.59	-1559.97	84.99	5249.21	87.63	60.03	PASS
11417.00†	6302.00	-6358.84	-614.70	6201.00	6218.24	-11421.59	-1559.97	84.99	5150.92	88.19	58.53	PASS
11517.00†	6302.00	-6458.84	-614.51	6201.00	6218.24	-11421.59	-1559.97	84.99	5052.70	88.80	57.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP												
Facility: SEC.02-T4N-R63W				Slot: SLOT#08 Ex.Latham 14-2 (614°FSL & 719°FWL,SEC.2)				Well: Ex.Latham 14-2		Threshold Value=1.00 † = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
11617.00†	6302.00	-6558.84	-614.33	6201.00	6218.24	-11421.59	-1559.97	84.99	4954.55	89.46	55.49	PASS
11717.00†	6302.00	-6658.84	-614.15	6201.00	6218.24	-11421.59	-1559.97	84.99	4856.48	90.18	53.96	PASS
11817.00†	6302.00	-6758.84	-613.97	6201.00	6218.24	-11421.59	-1559.97	84.99	4758.48	90.96	52.42	PASS
11917.00†	6302.00	-6858.84	-613.79	6201.00	6218.24	-11421.59	-1559.97	84.99	4660.58	91.81	50.87	PASS
12017.00†	6302.00	-6958.84	-613.61	6201.00	6218.24	-11421.59	-1559.97	84.99	4562.76	92.72	49.31	PASS
12117.00†	6302.00	-7058.84	-613.43	6201.00	6218.24	-11421.59	-1559.97	84.99	4465.04	93.71	47.74	PASS
12217.00†	6302.00	-7158.84	-613.24	6201.00	6218.24	-11421.59	-1559.97	84.99	4367.42	94.78	46.17	PASS
12317.00†	6302.00	-7258.84	-613.06	6201.00	6218.24	-11421.59	-1559.97	84.99	4269.91	95.94	44.59	PASS
12417.00†	6302.00	-7358.84	-612.88	6201.00	6218.24	-11421.59	-1559.97	84.99	4172.52	97.19	43.01	PASS
12517.00†	6302.00	-7458.84	-612.70	6201.00	6218.24	-11421.59	-1559.97	84.99	4075.26	98.53	41.44	PASS
12617.00†	6302.00	-7558.84	-612.52	6201.00	6218.24	-11421.59	-1559.97	84.99	3978.13	99.98	39.86	PASS
12717.00†	6302.00	-7658.84	-612.34	6201.00	6218.24	-11421.59	-1559.97	84.99	3881.15	101.55	38.29	PASS
12817.00†	6302.00	-7758.84	-612.16	6201.00	6218.24	-11421.59	-1559.97	84.99	3784.33	103.23	36.72	PASS
12917.00†	6302.00	-7858.84	-611.98	6201.00	6218.24	-11421.59	-1559.97	84.99	3687.67	105.05	35.17	PASS
13017.00†	6302.00	-7958.84	-611.79	6201.00	6218.24	-11421.59	-1559.97	84.99	3591.20	107.00	33.62	PASS
13117.00†	6302.00	-8058.83	-611.61	6201.00	6218.24	-11421.59	-1559.97	84.99	3494.93	109.11	32.08	PASS
13217.00†	6302.00	-8158.83	-611.43	6201.00	6218.24	-11421.59	-1559.97	84.99	3398.87	111.38	30.57	PASS
13317.00†	6302.00	-8258.83	-611.25	6201.00	6218.24	-11421.59	-1559.97	84.99	3303.04	113.82	29.07	PASS
13417.00†	6302.00	-8358.83	-611.07	6201.00	6218.24	-11421.59	-1559.97	84.99	3207.47	116.46	27.58	PASS
13517.00†	6302.00	-8458.83	-610.89	6201.00	6218.24	-11421.59	-1559.97	84.99	3112.18	119.30	26.13	PASS
13617.00†	6302.00	-8558.83	-610.71	6201.00	6218.24	-11421.59	-1559.97	84.99	3017.20	122.36	24.69	PASS
13717.00†	6302.00	-8658.83	-610.52	6201.00	6218.24	-11421.59	-1559.97	84.99	2922.55	125.67	23.29	PASS
13817.00†	6302.00	-8758.83	-610.34	6201.00	6218.24	-11421.59	-1559.97	84.99	2828.26	129.23	21.92	PASS
13917.00†	6302.00	-8858.83	-610.16	6201.00	6218.24	-11421.59	-1559.97	84.99	2734.38	133.08	20.57	PASS
14017.00†	6302.00	-8958.83	-609.98	6201.00	6218.24	-11421.59	-1559.97	84.99	2640.96	137.25	19.27	PASS
14117.00†	6302.00	-9058.83	-609.80	6201.00	6218.24	-11421.59	-1559.97	84.99	2548.03	141.75	18.00	PASS
14217.00†	6302.00	-9158.83	-609.62	6201.00	6218.24	-11421.59	-1559.97	84.99	2455.66	146.63	16.77	PASS
14317.00†	6302.00	-9258.83	-609.44	6201.00	6218.24	-11421.59	-1559.97	84.99	2363.90	151.92	15.58	PASS
14417.00†	6302.00	-9358.83	-609.25	6201.00	6218.24	-11421.59	-1559.97	84.99	2272.85	157.65	14.43	PASS
14517.00†	6302.00	-9458.83	-609.07	6201.00	6218.24	-11421.59	-1559.97	84.99	2182.57	163.88	13.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP												
Facility: SEC.02-T4N-R63W Slot: SLOT#08 Ex.Latham 14-2 (614'FSL & 719'FWL,SEC.2)				Well: Ex.Latham 14-2		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
14617.00†	6302.00	-9558.83	-608.89	6201.00	6218.24	-11421.59	-1559.97	84.99	2093.18	170.65	12.28	PASS
14717.00†	6302.00	-9658.83	-608.71	6201.00	6218.24	-11421.59	-1559.97	84.99	2004.80	178.01	11.27	PASS
14817.00†	6302.00	-9758.83	-608.53	6201.00	6218.24	-11421.59	-1559.97	84.99	1917.55	186.03	10.32	PASS
14917.00†	6302.00	-9858.83	-608.35	6201.00	6218.24	-11421.59	-1559.97	84.99	1831.61	194.77	9.41	PASS
15017.00†	6302.00	-9958.83	-608.17	6201.00	6218.24	-11421.59	-1559.97	84.99	1747.17	204.28	8.56	PASS
15117.00†	6302.00	-10058.83	-607.99	6201.00	6218.24	-11421.59	-1559.97	84.99	1664.45	214.65	7.76	PASS
15217.00†	6302.00	-10158.83	-607.80	6201.00	6218.24	-11421.59	-1559.97	84.99	1583.73	225.94	7.01	PASS
15317.00†	6302.00	-10258.83	-607.62	6201.00	6218.24	-11421.59	-1559.97	84.99	1505.32	238.19	6.32	PASS
15417.00†	6302.00	-10358.83	-607.44	6201.00	6218.24	-11421.59	-1559.97	84.99	1429.61	251.47	5.69	PASS
15517.00†	6302.00	-10458.83	-607.26	6201.00	6218.24	-11421.59	-1559.97	84.99	1357.05	265.77	5.11	PASS
15617.00†	6302.00	-10558.83	-607.08	6201.00	6218.24	-11421.59	-1559.97	84.99	1288.16	281.08	4.59	PASS
15717.00†	6302.00	-10658.83	-606.90	6201.00	6218.24	-11421.59	-1559.97	84.99	1223.59	297.28	4.12	PASS
15817.00†	6302.00	-10758.83	-606.72	6201.00	6218.24	-11421.59	-1559.97	84.99	1164.03	314.17	3.71	PASS
15917.00†	6302.00	-10858.83	-606.53	6201.00	6218.24	-11421.59	-1559.97	84.99	1110.29	331.42	3.35	PASS
16017.00†	6302.00	-10958.83	-606.35	6201.00	6218.24	-11421.59	-1559.97	84.99	1063.27	348.55	3.05	PASS
16117.00†	6302.00	-11058.83	-606.17	6201.00	6218.24	-11421.59	-1559.97	84.99	1023.88	364.90	2.81	PASS
16217.00†	6302.00	-11158.83	-605.99	6201.00	6218.24	-11421.59	-1559.97	84.99	993.04	379.69	2.62	PASS
16317.00†	6302.00	-11258.83	-605.81	6201.00	6218.24	-11421.59	-1559.97	84.99	971.56	392.08	2.48	PASS
16417.00†	6302.00	-11358.83	-605.63	6201.00	6218.24	-11421.59	-1559.97	84.99	960.06	401.32	2.39	PASS
16478.88†	6302.00	-11420.70	-605.51	6201.00	6218.24	-11421.59	-1559.97	84.99	958.12	405.20	2.37	PASS
16517.00†	6302.00	-11458.83	-605.45	6201.00	6218.24	-11421.59	-1559.97	84.99	958.91	406.85	2.36	PASS
16539.26†	6302.00	-11481.09	-605.41	6201.00	6218.24	-11421.59	-1559.97	84.99	960.08	407.55	2.36	PASS
16617.00†	6302.00	-11558.83	-605.26	6201.00	6218.24	-11421.59	-1559.97	84.99	968.15	408.48	2.37	PASS
16638.65	6302.00	-11580.48	-605.23	6201.00	6218.24	-11421.59	-1559.97	84.99	971.49	408.32	2.38	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

POSITIONAL UNCERTAINTY - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP				
Slot Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 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]
8.625in Casing Surface	15.00	774.00	759.00	31.00	789.93	-6957.12	-950.91	-6957.80	-948.72
4.5in Casing Intermediate	15.00	6701.00	6686.00	31.00	N/A	-6957.12	-950.91	N/A	N/A

WELLPATH COMPOSITION - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	6139.00	ISCWSA MWD, Rev. 3 (Standard)	Ensign Directional MWD From COGCC <253'-6139'>	Ex.Latham 14-2 AWB
6139.00	6201.00	Blind Drilling (std)	Projection to bit	Ex.Latham 14-2 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: Ex.Latham 14-2 AWB Offset Wellpath: Ex.Latham 14-2 AWP	
MD Reference: Rig on SLOT#08 Ex.Latham 14-2 (614'FSL & 719'FWL,SEC.2) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	15.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE J24-F21-26HNC PWB Offset Wellpath: STATE NORTH PLATTE J24-F21-26HNC (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#24 STATE NORTH PLATTE J24-F21-26HNC Well: STATE NORTH PLATTE J24-F21-26HNC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	17.00	17.00	-13.12	38.18	108.96	40.37	1.40	65.94	PASS
117.00†	117.00	0.00	0.00	117.00	117.00	-13.12	38.18	108.96	40.37	2.02	32.45	PASS
217.00†	217.00	0.00	0.00	217.00	217.00	-13.12	38.18	108.96	40.37	3.00	17.99	PASS
317.00†	317.00	0.00	0.00	317.00	317.00	-13.12	38.18	108.96	40.37	4.02	12.28	PASS
417.00†	417.00	0.00	0.00	417.00	417.00	-13.12	38.18	108.96	40.37	5.06	9.30	PASS
517.00†	517.00	0.00	0.00	517.00	517.00	-13.12	38.18	108.96	40.37	6.10	7.47	PASS
617.00†	617.00	0.00	0.00	617.00	617.00	-13.12	38.18	108.96	40.37	7.14	6.24	PASS
717.00†	717.00	0.00	0.00	717.00	717.00	-13.12	38.18	108.96	40.37	8.18	5.36	PASS
817.00†	817.00	0.00	0.00	817.00	817.00	-13.12	38.18	108.96	40.37	9.23	4.70	PASS
917.00†	917.00	0.00	0.00	917.00	917.00	-13.12	38.18	108.96	40.37	10.27	4.18	PASS
1017.00†	1017.00	0.00	0.00	1017.00	1017.00	-13.12	38.18	108.96	40.37	11.32	3.76	PASS
1117.00†	1117.00	0.00	0.00	1117.00	1117.00	-13.12	38.18	108.96	40.37	12.36	3.42	PASS
1217.00†	1217.00	0.00	0.00	1217.00	1217.00	-13.12	38.18	108.96	40.37	13.41	3.14	PASS
1317.00†	1317.00	0.00	0.00	1317.00	1317.00	-13.12	38.18	108.96	40.37	14.46	2.90	PASS
1417.00†	1417.00	0.00	0.00	1417.00	1417.00	-13.12	38.18	108.96	40.37	15.50	2.69	PASS
1517.00†	1517.00	0.00	0.00	1517.00	1517.00	-13.12	38.18	108.96	40.37	16.55	2.51	PASS
1617.00†	1617.00	0.00	0.00	1617.00	1617.00	-13.12	38.18	108.96	40.37	16.27	2.48	PASS
1717.00†	1717.00	0.00	0.00	1717.00	1717.00	-13.12	38.18	108.96	40.37	16.33	2.47	PASS
1817.00†	1817.00	0.00	0.00	1817.00	1817.00	-13.12	38.18	108.96	40.37	16.46	2.45	PASS
1917.00†	1917.00	0.00	0.00	1917.00	1917.00	-13.12	38.18	108.96	40.37	16.65	2.42	PASS
2000.00	2000.00	0.00	0.00	2000.00	2000.00	-13.12	38.18	108.96	40.37	16.85	2.40	PASS
2017.00†	2017.00	-0.05	-0.02	2016.92	2016.92	-13.17	38.18	-94.27	40.39	16.90	2.39	PASS
2053.90†	2053.90	-0.47	-0.20	2053.66	2053.65	-13.62	38.18	-94.30	40.57	17.02	2.38	PASS
2117.00†	2116.97	-2.20	-0.94	2116.45	2116.42	-15.48	38.18	-94.44	41.32	17.22	2.40	PASS
2217.00†	2216.79	-7.55	-3.24	2215.95	2215.75	-21.25	38.20	-94.82	43.66	17.61	2.48	PASS
2317.00†	2316.35	-16.10	-6.91	2315.39	2314.75	-30.46	38.23	-95.34	47.40	18.07	2.62	PASS
2417.00†	2415.53	-27.84	-11.95	2414.73	2413.28	-43.08	38.28	-95.93	52.53	18.61	2.82	PASS
2517.00†	2514.20	-42.75	-18.35	2513.95	2511.20	-59.09	38.33	-96.51	59.06	19.26	3.07	PASS
2617.00†	2612.24	-60.82	-26.10	2613.03	2608.36	-78.46	38.39	-97.05	66.98	20.04	3.34	PASS
2717.00†	2709.54	-82.02	-35.20	2711.93	2704.63	-101.12	38.47	-97.52	76.27	20.96	3.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE J24-F21-26HNC PWB Offset Wellpath: STATE NORTH PLATTE J24-F21-26HNC (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#24 STATE NORTH PLATTE J24-F21-26HNC		Well: STATE NORTH PLATTE J24-F21-26HNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2817.00†	2805.97	-106.33	-45.63	2810.64	2799.87	-127.04	38.56	-97.91	86.92	22.05	3.94	PASS
2917.00†	2901.42	-133.72	-57.39	2909.13	2893.94	-156.16	38.65	-98.22	98.91	23.33	4.24	PASS
3017.00†	2995.77	-164.15	-70.45	3007.37	2986.74	-188.41	38.76	-98.46	112.24	24.84	4.52	PASS
3117.00†	3088.91	-197.59	-84.80	3105.35	3078.13	-223.73	38.88	-98.63	126.87	26.51	4.79	PASS
3151.91	3121.12	-209.97	-90.11	3139.49	3109.68	-236.76	38.92	-98.67	132.28	27.15	4.87	PASS
3217.00†	3181.02	-233.37	-100.16	3203.06	3168.01	-262.04	39.01	-98.65	142.68	28.39	5.03	PASS
3317.00†	3273.04	-269.34	-115.59	3300.45	3256.25	-303.24	39.15	-97.66	159.29	30.42	5.24	PASS
3417.00†	3365.07	-305.30	-131.02	3397.78	3343.05	-347.27	39.29	-95.84	176.79	32.56	5.43	PASS
3517.00†	3457.09	-341.26	-146.46	3496.01	3430.28	-392.43	39.44	-94.10	194.67	34.79	5.59	PASS
3617.00†	3549.12	-377.22	-161.89	3594.24	3517.52	-437.59	39.59	-92.66	212.69	37.09	5.73	PASS
3717.00†	3641.14	-413.19	-177.33	3692.48	3604.75	-482.75	39.74	-91.44	230.83	39.43	5.85	PASS
3817.00†	3733.16	-449.15	-192.76	3790.71	3691.99	-527.91	39.90	-90.40	249.05	41.80	5.96	PASS
3917.00†	3825.19	-485.11	-208.19	3888.94	3779.23	-573.07	40.05	-89.50	267.34	44.19	6.05	PASS
4017.00†	3917.21	-521.07	-223.63	3987.17	3866.46	-618.23	40.20	-88.72	285.69	46.61	6.13	PASS
4117.00†	4009.24	-557.04	-239.06	4085.41	3953.70	-663.39	40.35	-88.03	304.08	49.04	6.20	PASS
4217.00†	4101.26	-593.00	-254.49	4183.64	4040.94	-708.55	40.50	-87.42	322.51	51.49	6.26	PASS
4317.00†	4193.29	-628.96	-269.93	4281.87	4128.17	-753.71	40.65	-86.88	340.97	53.95	6.32	PASS
4417.00†	4285.31	-664.92	-285.36	4380.10	4215.41	-798.87	40.80	-86.39	359.46	56.42	6.37	PASS
4517.00†	4377.34	-700.89	-300.80	4478.34	4302.64	-844.03	40.95	-85.95	377.97	58.91	6.42	PASS
4617.00†	4469.36	-736.85	-316.23	4576.57	4389.88	-889.19	41.10	-85.55	396.50	61.40	6.46	PASS
4717.00†	4561.38	-772.81	-331.66	4674.80	4477.12	-934.35	41.25	-85.18	415.05	63.90	6.49	PASS
4817.00†	4653.41	-808.78	-347.10	4773.03	4564.35	-979.51	41.40	-84.85	433.61	66.41	6.53	PASS
4917.00†	4745.43	-844.74	-362.53	4871.27	4651.59	-1024.67	41.56	-84.55	452.18	68.92	6.56	PASS
5017.00†	4837.46	-880.70	-377.97	4969.50	4738.83	-1069.83	41.71	-84.27	470.77	71.44	6.59	PASS
5117.00†	4929.48	-916.66	-393.40	5067.73	4826.06	-1114.99	41.86	-84.01	489.36	73.97	6.62	PASS
5217.00†	5021.51	-952.63	-408.83	5165.96	4913.30	-1160.15	42.01	-83.76	507.97	76.50	6.64	PASS
5317.00†	5113.53	-988.59	-424.27	5264.19	5000.53	-1205.31	42.16	-83.54	526.58	79.03	6.66	PASS
5417.00†	5205.55	-1024.55	-439.70	5362.43	5087.77	-1250.47	42.31	-83.33	545.20	81.57	6.68	PASS
5517.00†	5297.58	-1060.51	-455.14	5460.66	5175.01	-1295.63	42.46	-83.14	563.83	84.11	6.70	PASS
5617.00†	5389.60	-1096.48	-470.57	5558.89	5262.24	-1340.79	42.61	-82.95	582.46	86.65	6.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE J24-F21-26HNC PWB Offset Wellpath: STATE NORTH PLATTE J24-F21-26HNC (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#24 STATE NORTH PLATTE J24-F21-26HNC Well: STATE NORTH PLATTE J24-F21-26HNC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5717.00†	5481.63	-1132.44	-486.00	5657.12	5349.48	-1385.95	42.76	-82.78	601.10	89.20	6.74	PASS
5817.00†	5573.65	-1168.40	-501.44	5755.36	5436.72	-1431.11	42.91	-82.62	619.74	91.75	6.75	PASS
5917.00†	5665.68	-1204.36	-516.87	5853.59	5523.95	-1476.27	43.06	-82.47	638.39	94.30	6.77	PASS
6017.00†	5757.70	-1240.33	-532.31	6037.01	5695.62	-1538.73	43.85	-84.04	651.81	98.63	6.61	PASS
6117.00†	5849.72	-1276.29	-547.74	6217.25	5875.01	-1544.72	45.79	-89.85	651.90	102.53	6.36	PASS
6215.13	5940.03	-1311.58	-562.89	6350.12	6003.77	-1513.23	47.84	-96.77	646.31	106.33	6.08	PASS
6217.00†	5941.75	-1312.26	-563.17	6352.23	6005.75	-1512.49	47.88	-96.72	646.20	106.36	6.08	PASS
6317.00†	6030.08	-1356.45	-577.97	6437.90	6083.38	-1476.49	49.44	-96.25	641.01	107.71	5.95	PASS
6417.00†	6109.51	-1415.53	-591.24	6480.64	6119.89	-1454.29	50.27	-95.94	642.76	108.48	5.93	PASS
6517.00†	6177.62	-1487.69	-602.58	6495.75	6132.38	-1445.80	50.57	-93.80	656.05	107.99	6.08	PASS
6617.00†	6232.34	-1570.74	-611.65	6493.49	6130.52	-1447.09	50.52	-89.71	681.26	106.12	6.42	PASS
6717.00†	6272.01	-1662.17	-618.16	6480.06	6119.40	-1454.61	50.25	-84.13	716.34	103.27	6.94	PASS
6817.00†	6295.42	-1759.18	-621.93	6459.20	6101.78	-1465.77	49.85	-77.69	758.20	99.97	7.58	PASS
6904.53	6302.00	-1846.38	-622.88	6436.68	6082.31	-1477.09	49.41	-71.92	797.88	97.06	8.22	PASS
6917.00†	6302.00	-1858.85	-622.86	6433.28	6079.34	-1478.73	49.35	-71.69	803.70	96.64	8.32	PASS
7017.00†	6302.00	-1958.84	-622.68	6408.47	6057.33	-1490.16	48.88	-70.01	854.70	93.15	9.18	PASS
7117.00†	6302.00	-2058.84	-622.49	6387.37	6038.24	-1499.13	48.50	-68.57	912.73	89.68	10.18	PASS
7217.00†	6302.00	-2158.84	-622.31	6369.26	6021.59	-1506.27	48.18	-67.34	976.75	86.41	11.30	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE J24-F21-26HNC PWB Offset Wellpath: STATE NORTH PLATTE J24-F21-26HNC (REV-A.0) PWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE J24-F21-26HNC PWB Offset Wellpath: STATE NORTH PLATTE J24-F21-26HNC (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]
9.625in Casing Surface	17.00	1550.00	1533.00	17.00	1550.00	-7.99	23.27	-7.99	23.27

SURVEY PROGRAM - Offset Wellbore: Offset Wellpath: STATE NORTH PLATTE J24-F21-26HNC (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE J24-F21-26HNC PWB
1550.00	11318.30	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE J24-F21-26HNC PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE J24-F21-26HNC PWB Offset Wellpath: STATE NORTH PLATTE J24-F21-26HNC (REV-A.0) PWP	
MD Reference: RIG (4555'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.LATHAM O-K-2HNB AWB Offset Wellpath: Ex.LATHAM O-K-2HNB AWP												
Facility: SEC.02-T4N-R63W				Slot: SLOT#02 Ex.LATHAM O-K-2HNB (295°FSL & 2162°FEL,SEC.2)				Well: Ex.LATHAM O-K-2HNB		Threshold Value=1.00 † = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	10917.00	6317.88	-7122.07	491.08	176.06	9521.88	65.88	146.29	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: Ex.LATHAM O-K-2HNB AWB Offset Wellpath: Ex.LATHAM O-K-2HNB AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: Ex.LATHAM O-K-2HNB AWB Offset Wellpath: Ex.LATHAM O-K-2HNB 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	12.00	755.00	743.00	46.00	788.92	-7097.07	587.48	-7094.44	586.29
7in Casing Intermediate	12.00	6742.00	6730.00	46.00	6316.73	-7097.07	587.48	-6991.14	419.60

WELLPATH COMPOSITION - Offset Wellbore: Ex.LATHAM O-K-2HNB AWB Offset Wellpath: Ex.LATHAM O-K-2HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
12.00	6680.00	ISCWSA MWD, Rev. 3 (Standard)	Ensign Directional MWD <138'-6680'>	Ex.LATHAM O-K-2HNB AWB
6680.00	10862.00	ISCWSA MWD, Rev. 3 (Standard)	Ensign Directional MWD <6770'-10862'>	Ex.LATHAM O-K-2HNB AWB
10862.00	10917.00	Blind Drilling (std)	Projection to bit	Ex.LATHAM O-K-2HNB AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: Ex.LATHAM O-K-2HNB AWB Offset Wellpath: Ex.LATHAM O-K-2HNB AWP	
MD Reference: Rig on SLOT#02 Ex.LATHAM O-K-2HNB (295°FSL & 2162°FEL,SEC.2) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	12.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: LATHAM 034-K31-2HC AWB Offset Wellpath: LATHAM 034-K31-2HC AWP

Facility: SEC.02-T4N-R63W		Slot: SLOT#03 LATHAM 034-K31-2HC (328°FSL & 2195°FEL, SEC.2)		Well: LATHAM 034-K31-2HC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	11040.00	6489.76	-7128.84	812.37	173.50	9663.18	72.78	133.97	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: LATHAM 034-K31-2HC AWB Offset Wellpath: LATHAM 034-K31-2HC AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: LATHAM 034-K31-2HC AWB Offset Wellpath: LATHAM 034-K31-2HC 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	781.00	764.00	52.00	815.98	-7079.30	568.78	-7079.61	570.31
8.75in Open Hole	17.00	6780.00	6763.00	52.00	6492.93	-7079.30	568.78	-7010.53	510.64
7in Casing Intermediate	17.00	6768.00	6751.00	52.00	6492.80	-7079.30	568.78	-7014.19	510.60
6.125in Open Hole	6768.00	11040.00	4272.00	6492.80	6489.76	-7014.19	510.60	-5712.52	532.02

WELLPATH COMPOSITION - Offset Wellbore: LATHAM 034-K31-2HC AWB Offset Wellpath: LATHAM 034-K31-2HC AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	6738.00	BHI NaviTrak (Axial)	BHI/Navitrak MagCorr MWD <17'-6738'>	LATHAM 034-K31-2HC AWB
6738.00	10983.00	BHI NaviTrak (Axial)	BHI/Navitrak, MagCorr MWD 6.125" Hole <6799'-10983'>	LATHAM 034-K31-2HC AWB
10983.00	11040.00	Blind Drilling (std)	Projection to bit	LATHAM 034-K31-2HC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: LATHAM 034-K31-2HC AWB Offset Wellpath: LATHAM 034-K31-2HC AWP	
MD Reference: RIG (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: 70 RANCH USX BB #35-03 AWB Offset Wellpath: 70 RANCH USX BB #35-03 AWP												
Facility: SEC.35-T05N-R63W Slot: SLOT#01 EX 70 RANCH USX BB #35-03 (803'FNL & 1808'FWL, SEC.35, 6672, SI) Well: 70 RANCH USX BB #35-03 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	-6.00	17.00	-2243.05	216.26	174.49	2253.46	25.40	91.56	PASS
117.00†	117.00	0.00	0.00	94.00	117.00	-2243.05	216.26	174.49	2253.46	52.15	43.87	PASS
217.00†	217.00	0.00	0.00	194.00	217.00	-2243.05	216.26	174.49	2253.46	54.44	42.00	PASS
317.00†	317.00	0.00	0.00	294.00	317.00	-2243.05	216.26	174.49	2253.46	56.75	40.27	PASS
417.00†	417.00	0.00	0.00	394.00	417.00	-2243.05	216.26	174.49	2253.46	59.06	38.67	PASS
517.00†	517.00	0.00	0.00	494.00	517.00	-2243.05	216.26	174.49	2253.46	61.39	37.18	PASS
617.00†	617.00	0.00	0.00	594.00	617.00	-2243.05	216.26	174.49	2253.46	63.72	35.80	PASS
717.00†	717.00	0.00	0.00	694.00	717.00	-2243.05	216.26	174.49	2253.46	66.07	34.51	PASS
817.00†	817.00	0.00	0.00	794.00	817.00	-2243.05	216.26	174.49	2253.46	68.43	33.31	PASS
917.00†	917.00	0.00	0.00	894.00	917.00	-2243.05	216.26	174.49	2253.46	70.79	32.18	PASS
1017.00†	1017.00	0.00	0.00	994.00	1017.00	-2243.05	216.26	174.49	2253.46	73.17	31.13	PASS
1117.00†	1117.00	0.00	0.00	1094.00	1117.00	-2243.05	216.26	174.49	2253.46	75.56	30.13	PASS
1217.00†	1217.00	0.00	0.00	1194.00	1217.00	-2243.05	216.26	174.49	2253.46	77.96	29.19	PASS
1317.00†	1317.00	0.00	0.00	1294.00	1317.00	-2243.05	216.26	174.49	2253.46	80.37	28.31	PASS
1417.00†	1417.00	0.00	0.00	1394.00	1417.00	-2243.05	216.26	174.49	2253.46	82.79	27.47	PASS
1517.00†	1517.00	0.00	0.00	1494.00	1517.00	-2243.05	216.26	174.49	2253.46	85.22	26.68	PASS
1617.00†	1617.00	0.00	0.00	1594.00	1617.00	-2243.05	216.26	174.49	2253.46	86.78	25.97	PASS
1717.00†	1717.00	0.00	0.00	1694.00	1717.00	-2243.05	216.26	174.49	2253.46	89.06	25.30	PASS
1817.00†	1817.00	0.00	0.00	1794.00	1817.00	-2243.05	216.26	174.49	2253.46	91.36	24.67	PASS
1917.00†	1917.00	0.00	0.00	1894.00	1917.00	-2243.05	216.26	174.49	2253.46	93.66	24.06	PASS
2000.00	2000.00	0.00	0.00	1977.00	2000.00	-2243.05	216.26	174.49	2253.46	95.58	23.58	PASS
2017.00†	2017.00	-0.05	-0.02	1994.00	2017.00	-2243.05	216.26	-28.74	2253.41	95.98	23.48	PASS
2117.00†	2116.97	-2.20	-0.94	2093.97	2116.97	-2243.05	216.26	-28.78	2251.36	98.32	22.90	PASS
2217.00†	2216.79	-7.55	-3.24	2193.79	2216.79	-2243.05	216.26	-28.91	2246.26	100.69	22.31	PASS
2317.00†	2316.35	-16.10	-6.91	2293.35	2316.35	-2243.05	216.26	-29.10	2238.11	103.08	21.71	PASS
2417.00†	2415.53	-27.84	-11.95	2392.53	2415.53	-2243.05	216.26	-29.37	2226.94	105.46	21.12	PASS
2517.00†	2514.20	-42.75	-18.35	2491.20	2514.20	-2243.05	216.26	-29.72	2212.77	107.85	20.52	PASS
2617.00†	2612.24	-60.82	-26.10	2589.24	2612.24	-2243.05	216.26	-30.14	2195.65	110.24	19.92	PASS
2717.00†	2709.54	-82.02	-35.20	2686.54	2709.54	-2243.05	216.26	-30.65	2175.61	112.62	19.32	PASS
2817.00†	2805.97	-106.33	-45.63	2782.97	2805.97	-2243.05	216.26	-31.25	2152.71	115.01	18.72	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: 70 RANCH USX BB #35-03 AWB Offset Wellpath: 70 RANCH USX BB #35-03 AWP												
Facility: SEC.35-T05N-R63W Slot: SLOT#01 EX 70 RANCH USX BB #35-03 (803'FNL & 1808'FWL, SEC.35, 6672, SI) Well: 70 RANCH USX BB #35-03 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	2878.42	2901.42	-2243.05	216.26	-31.94	2127.01	117.39	18.12	PASS
3017.00†	2995.77	-164.15	-70.45	2972.77	2995.77	-2243.05	216.26	-32.73	2098.58	119.78	17.52	PASS
3117.00†	3088.91	-197.59	-84.80	3065.91	3088.91	-2243.05	216.26	-33.63	2067.50	122.16	16.92	PASS
3151.91	3121.12	-209.97	-90.11	3098.12	3121.12	-2243.05	216.26	-33.97	2056.04	122.99	16.72	PASS
3217.00†	3181.02	-233.37	-100.16	3158.02	3181.02	-2243.05	216.26	-34.36	2034.44	124.53	16.34	PASS
3317.00†	3273.04	-269.34	-115.59	3250.04	3273.04	-2243.05	216.26	-34.97	2001.42	126.92	15.77	PASS
3417.00†	3365.07	-305.30	-131.02	3342.07	3365.07	-2243.05	216.26	-35.61	1968.63	129.34	15.22	PASS
3517.00†	3457.09	-341.26	-146.46	3434.09	3457.09	-2243.05	216.26	-36.27	1936.07	131.79	14.69	PASS
3617.00†	3549.12	-377.22	-161.89	3526.12	3549.12	-2243.05	216.26	-36.94	1903.77	134.28	14.18	PASS
3717.00†	3641.14	-413.19	-177.33	3618.14	3641.14	-2243.05	216.26	-37.64	1871.72	136.81	13.68	PASS
3817.00†	3733.16	-449.15	-192.76	3710.16	3733.16	-2243.05	216.26	-38.37	1839.94	139.37	13.20	PASS
3917.00†	3825.19	-485.11	-208.19	3802.19	3825.19	-2243.05	216.26	-39.11	1808.46	141.96	12.74	PASS
4017.00†	3917.21	-521.07	-223.63	3894.21	3917.21	-2243.05	216.26	-39.88	1777.28	144.60	12.29	PASS
4117.00†	4009.24	-557.04	-239.06	3986.24	4009.24	-2243.05	216.26	-40.68	1746.42	147.27	11.86	PASS
4217.00†	4101.26	-593.00	-254.49	4078.26	4101.26	-2243.05	216.26	-41.50	1715.89	149.98	11.44	PASS
4317.00†	4193.29	-628.96	-269.93	4170.29	4193.29	-2243.05	216.26	-42.35	1685.73	152.74	11.04	PASS
4417.00†	4285.31	-664.92	-285.36	4262.31	4285.31	-2243.05	216.26	-43.23	1655.93	155.53	10.65	PASS
4517.00†	4377.34	-700.89	-300.80	4354.34	4377.34	-2243.05	216.26	-44.14	1626.54	158.37	10.27	PASS
4617.00†	4469.36	-736.85	-316.23	4446.36	4469.36	-2243.05	216.26	-45.08	1597.56	161.25	9.91	PASS
4717.00†	4561.38	-772.81	-331.66	4538.38	4561.38	-2243.05	216.26	-46.05	1569.02	164.17	9.56	PASS
4817.00†	4653.41	-808.78	-347.10	4630.41	4653.41	-2243.05	216.26	-47.05	1540.95	167.13	9.22	PASS
4917.00†	4745.43	-844.74	-362.53	4722.43	4745.43	-2243.05	216.26	-48.09	1513.37	170.14	8.89	PASS
5017.00†	4837.46	-880.70	-377.97	4814.46	4837.46	-2243.05	216.26	-49.16	1486.31	173.20	8.58	PASS
5117.00†	4929.48	-916.66	-393.40	4906.48	4929.48	-2243.05	216.26	-50.27	1459.79	176.30	8.28	PASS
5217.00†	5021.51	-952.63	-408.83	4998.51	5021.51	-2243.05	216.26	-51.41	1433.86	179.44	7.99	PASS
5317.00†	5113.53	-988.59	-424.27	5090.53	5113.53	-2243.05	216.26	-52.60	1408.53	182.64	7.71	PASS
5417.00†	5205.55	-1024.55	-439.70	5182.55	5205.55	-2243.05	216.26	-53.82	1383.85	185.87	7.45	PASS
5517.00†	5297.58	-1060.51	-455.14	5274.58	5297.58	-2243.05	216.26	-55.08	1359.84	189.15	7.19	PASS
5617.00†	5389.60	-1096.48	-470.57	5366.60	5389.60	-2243.05	216.26	-56.38	1336.55	192.48	6.94	PASS
5717.00†	5481.63	-1132.44	-486.00	5458.63	5481.63	-2243.05	216.26	-57.72	1314.02	195.84	6.71	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: 70 RANCH USX BB #35-03 AWB Offset Wellpath: 70 RANCH USX BB #35-03 AWP												
Facility: SEC.35-T05N-R63W Slot: SLOT#01 EX 70 RANCH USX BB #35-03 (803'FNL & 1808'FWL, SEC.35, 6672, SI) Well: 70 RANCH USX BB #35-03 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	5550.65	5573.65	-2243.05	216.26	-59.10	1292.27	199.25	6.49	PASS
5917.00†	5665.68	-1204.36	-516.87	5642.68	5665.68	-2243.05	216.26	-60.53	1271.36	202.70	6.27	PASS
6017.00†	5757.70	-1240.33	-532.31	5734.70	5757.70	-2243.05	216.26	-61.99	1251.32	206.18	6.07	PASS
6117.00†	5849.72	-1276.29	-547.74	5826.72	5849.72	-2243.05	216.26	-63.49	1232.20	209.70	5.88	PASS
6215.13	5940.03	-1311.58	-562.89	5917.03	5940.03	-2243.05	216.26	-65.01	1214.38	213.18	5.70	PASS
6217.00†	5941.75	-1312.26	-563.17	5918.75	5941.75	-2243.05	216.26	-64.88	1214.04	213.25	5.69	PASS
6317.00†	6030.08	-1356.45	-577.97	6007.08	6030.08	-2243.05	216.26	-61.35	1190.32	217.02	5.48	PASS
6417.00†	6109.51	-1415.53	-591.24	6086.51	6109.51	-2243.05	216.26	-62.49	1156.23	221.20	5.23	PASS
6517.00†	6177.62	-1487.69	-602.58	6154.62	6177.62	-2243.05	216.26	-66.47	1114.04	225.31	4.94	PASS
6617.00†	6232.34	-1570.74	-611.65	6209.34	6232.34	-2243.05	216.26	-72.27	1066.50	229.33	4.65	PASS
6717.00†	6272.01	-1662.17	-618.16	6249.01	6272.01	-2243.05	216.26	-78.91	1016.70	233.20	4.36	PASS
6817.00†	6295.42	-1759.18	-621.93	6272.42	6295.42	-2243.05	216.26	-85.32	967.83	236.80	4.09	PASS
6904.53	6302.00	-1846.38	-622.88	6279.00	6302.00	-2243.05	216.26	-90.00	928.17	239.61	3.87	PASS
6917.00†	6302.00	-1858.85	-622.86	6279.00	6302.00	-2243.05	216.26	-90.00	922.89	239.98	3.85	PASS
7017.00†	6302.00	-1958.84	-622.68	6279.00	6302.00	-2243.05	216.26	-90.00	885.77	242.78	3.65	PASS
7117.00†	6302.00	-2058.84	-622.49	6279.00	6302.00	-2243.05	216.26	-90.00	858.74	245.26	3.50	PASS
7217.00†	6302.00	-2158.84	-622.31	6279.00	6302.00	-2243.05	216.26	-90.00	842.79	247.16	3.41	PASS
7304.50†	6302.00	-2246.34	-622.15	6281.06	6304.06	-2243.05	216.26	-90.14	838.42	248.26	3.38	PASS
7317.00†	6302.00	-2258.84	-622.13	6279.00	6302.00	-2243.05	216.26	-90.00	838.54	248.31	3.38	PASS
7417.00†	6302.00	-2358.84	-621.95	6279.00	6302.00	-2243.05	216.26	-90.00	846.17	248.62	3.40	PASS
7517.00†	6302.00	-2458.84	-621.77	6279.00	6302.00	-2243.05	216.26	-90.00	865.36	248.12	3.49	PASS
7617.00†	6302.00	-2558.84	-621.59	6279.00	6302.00	-2243.05	216.26	-90.00	895.38	246.94	3.63	PASS
7717.00†	6302.00	-2658.84	-621.41	6279.00	6302.00	-2243.05	216.26	-90.00	935.18	245.26	3.81	PASS
7817.00†	6302.00	-2758.84	-621.23	6279.00	6302.00	-2243.05	216.26	-90.00	983.57	243.27	4.04	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

POSITIONAL UNCERTAINTY - Offset Wellbore: 70 RANCH USX BB #35-03 AWB Offset Wellpath: 70 RANCH USX BB #35-03 AWP			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft

WELLPATH COMPOSITION - Offset Wellbore: 70 RANCH USX BB #35-03 AWB Offset Wellpath: 70 RANCH USX BB #35-03 AWP			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment Wellbore
0.00	6672.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTIVAL <6672> 70 RANCH USX BB #35-03 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: 70 RANCH USX BB #35-03 AWB Offset Wellpath: 70 RANCH USX BB #35-03 AWP	
MD Reference: Rig on SLOT#01 EX 70 RANCH USX BB #35-03 (803'FNL & 1808'FWL, SEC.35, 6672, SI) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE K21-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE K21-35-2MRLNC (REV-B.0) PWP

Facility: SEC.26-T5N-R63W Slot: SLOT#27 NORTH PLATTE K21-35-2MRLNC Well: NORTH PLATTE K21-35-2MRLNC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-940.26	1085.41	130.90	1436.04	1.10	4784.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE K21-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE K21-35-2MRLNC (REV-B.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE K21-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE K21-35-2MRLNC (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1555.00	-573.17	661.68	-573.17	661.68

SURVEY PROGRAM - Offset Wellbore: NORTH PLATTE K21-35-2MRLNC (REV-B.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		NORTH PLATTE K21-35-2MRLNC PWB
1550.00	11532.07	BHI AutoTrak Curve (Axial Corr, Short spacing)		NORTH PLATTE K21-35-2MRLNC PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE K21-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE K21-35-2MRLNC (REV-B.0) PWP

MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: LATHAM 34-31-2HNB AWB Offset Wellpath: LATHAM 34-31-2HNB AWP												
Facility: SEC.02-T4N-R63W		Slot: SLOT#07 LATHAM 34-31-2HNB (385'FSL & 2252'FEL,SEC.2)		Well: LATHAM 34-31-2HNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	10878.00	6317.02	-7118.88	1106.72	171.16	9570.45	74.95	128.81	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: LATHAM 34-31-2HNB AWB Offset Wellpath: LATHAM 34-31-2HNB AWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: LATHAM 34-31-2HNB AWB Offset Wellpath: LATHAM 34-31-2HNB 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]
13.5in Open Hole	17.00	799.00	782.00	52.00	833.89	-7043.77	533.08	-7043.40	529.85
9.625in Casing Surface	17.00	790.00	773.00	52.00	824.89	-7043.77	533.08	-7043.40	529.93
8.75in Open Hole	799.00	6680.00	5881.00	833.89	6318.43	-7043.40	529.85	-6970.89	609.65
7in Casing Intermediate	17.00	6680.00	6663.00	52.00	6318.43	-7043.77	533.08	-6970.89	609.65
6.125in Open Hole	6680.00	10878.00	4198.00	6318.43	6317.02	-6970.89	609.65	-5691.71	603.88

WELLPATH COMPOSITION - Offset Wellbore: LATHAM 34-31-2HNB AWB Offset Wellpath: LATHAM 34-31-2HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	741.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 13.5" Hole <17 - 741>	LATHAM 34-31-2HNB AWB
741.00	6637.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 8.75" Hole <741 - 6637>	LATHAM 34-31-2HNB AWB
6637.00	10823.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 6.125" Hole <6637 - 10823>	LATHAM 34-31-2HNB AWB
10823.00	10878.00	Blind Drilling (std)	Projection to bit	LATHAM 34-31-2HNB AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: LATHAM 34-31-2HNB AWB Offset Wellpath: LATHAM 34-31-2HNB AWP	
MD Reference: RIG (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 11-14-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#04 STATE NORTH PLATTE 11-14-26HNB (393'FNL & 956'FWL, SEC.26)			Well: STATE NORTH PLATTE 11-14-26HNB			Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	34.38	28.38	3385.51	-572.25	-9.59	3433.55	1.44	5398.20	PASS
117.00†	117.00	0.00	0.00	136.54	130.54	3385.16	-571.50	-9.58	3433.09	2.15	2553.71	PASS
217.00†	217.00	0.00	0.00	245.59	239.58	3384.73	-570.34	-9.57	3432.52	3.19	1434.98	PASS
317.00†	317.00	0.00	0.00	338.52	332.51	3384.35	-569.54	-9.55	3431.97	4.19	1011.50	PASS
417.00†	417.00	0.00	0.00	402.53	396.52	3384.36	-569.22	-9.55	3431.96	5.04	808.98	PASS
517.00†	517.00	0.00	0.00	534.82	528.80	3384.97	-568.62	-9.54	3432.42	6.25	629.69	PASS
617.00†	617.00	0.00	0.00	637.78	631.75	3384.74	-567.61	-9.52	3432.03	7.32	526.13	PASS
717.00†	717.00	0.00	0.00	738.26	732.23	3384.44	-566.60	-9.50	3431.57	8.38	452.51	PASS
817.00†	817.00	0.00	0.00	839.35	833.31	3384.17	-565.58	-9.49	3431.15	9.42	397.90	PASS
917.00†	917.00	0.00	0.00	913.24	907.20	3384.02	-564.95	-9.48	3430.87	10.33	360.10	PASS
1017.00†	1017.00	0.00	0.00	966.55	960.51	3384.53	-565.01	-9.48	3431.83	11.18	330.70	PASS
1117.00†	1117.00	0.00	0.00	1017.80	1011.74	3385.66	-565.57	-9.48	3434.19	11.92	308.82	PASS
1217.00†	1217.00	0.00	0.00	1068.44	1062.34	3387.43	-566.58	-9.49	3437.97	12.71	288.57	PASS
1317.00†	1317.00	0.00	0.00	1116.89	1110.71	3389.75	-568.09	-9.51	3443.21	13.48	271.59	PASS
1417.00†	1417.00	0.00	0.00	1166.75	1160.43	3392.80	-570.24	-9.54	3449.94	14.24	256.61	PASS
1517.00†	1517.00	0.00	0.00	1222.94	1216.38	3396.88	-573.29	-9.58	3458.01	15.04	242.75	PASS
1617.00†	1617.00	0.00	0.00	1325.19	1318.07	3404.93	-580.40	-9.67	3466.95	15.03	230.64	PASS
1717.00†	1717.00	0.00	0.00	1478.80	1470.90	3415.01	-592.04	-9.84	3474.68	15.88	218.87	PASS
1817.00†	1817.00	0.00	0.00	1580.60	1572.32	3420.92	-598.64	-9.93	3481.51	16.48	211.30	PASS
1917.00†	1917.00	0.00	0.00	1641.87	1633.32	3424.92	-602.66	-9.98	3489.09	16.89	206.56	PASS
2000.00	2000.00	0.00	0.00	1710.27	1701.37	3430.04	-607.41	-10.04	3496.18	17.36	201.42	PASS
2017.00†	2017.00	-0.05	-0.02	1739.70	1730.64	3432.16	-609.51	146.69	3497.64	17.54	199.38	PASS
2117.00†	2116.97	-2.20	-0.94	1868.74	1859.06	3440.33	-619.22	146.47	3507.10	18.44	190.24	PASS
2217.00†	2216.79	-7.55	-3.24	1980.62	1970.30	3446.81	-629.18	146.26	3519.25	19.36	181.83	PASS
2317.00†	2316.35	-16.10	-6.91	2105.03	2094.12	3453.15	-639.55	146.05	3533.45	20.37	173.46	PASS
2417.00†	2415.53	-27.84	-11.95	2199.64	2188.29	3457.75	-647.44	145.86	3550.33	21.24	167.13	PASS
2517.00†	2514.20	-42.75	-18.35	2272.56	2260.85	3461.63	-653.56	145.65	3570.49	22.02	162.16	PASS
2617.00†	2612.24	-60.82	-26.10	2343.10	2331.01	3465.90	-659.40	145.42	3594.15	22.81	157.58	PASS
2717.00†	2709.54	-82.02	-35.20	2410.01	2397.53	3470.47	-665.02	145.17	3621.35	23.60	153.42	PASS
2817.00†	2805.97	-106.33	-45.63	9953.45	6329.22	-155.41	-891.11	129.66	3623.60	57.27	63.27	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 11-14-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 11-14-26HNB AWP												
Facility: SEC.26-T5N-R63W				Slot: SLOT#04 STATE NORTH PLATTE 11-14-26HNB (393'FNL & 956'FWL, SEC.26)				Well: STATE NORTH PLATTE 11-14-26HNB		Threshold Value=1.00 † = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	9992.07	6328.65	-194.03	-890.94	133.88	3527.65	58.04	60.78	PASS
3017.00†	2995.77	-164.15	-70.45	10016.75	6328.21	-218.71	-891.00	137.80	3432.41	58.66	58.52	PASS
3117.00†	3088.91	-197.59	-84.80	10107.73	6325.32	-309.63	-892.10	140.30	3337.46	60.08	55.55	PASS
3151.91	3121.12	-209.97	-90.11	10113.51	6325.12	-315.40	-892.14	141.48	3304.53	60.27	54.83	PASS
3217.00†	3181.02	-233.37	-100.16	10124.43	6324.76	-326.32	-892.20	141.35	3243.32	60.62	53.50	PASS
3317.00†	3273.04	-269.34	-115.59	10139.87	6324.32	-341.75	-892.31	141.16	3149.42	61.18	51.48	PASS
3417.00†	3365.07	-305.30	-131.02	10155.80	6323.95	-357.68	-892.48	140.96	3055.74	61.77	49.47	PASS
3517.00†	3457.09	-341.26	-146.46	10178.01	6323.55	-379.88	-892.76	140.67	2962.27	62.47	47.42	PASS
3617.00†	3549.12	-377.22	-161.89	10209.72	6323.07	-411.59	-893.03	140.24	2868.89	63.31	45.32	PASS
3717.00†	3641.14	-413.19	-177.33	10230.13	6322.85	-432.00	-893.12	139.95	2775.66	64.05	43.34	PASS
3817.00†	3733.16	-449.15	-192.76	10251.14	6322.74	-453.01	-893.17	139.66	2682.63	64.82	41.38	PASS
3917.00†	3825.19	-485.11	-208.19	10296.09	6322.50	-497.96	-893.53	138.96	2589.68	65.89	39.30	PASS
4017.00†	3917.21	-521.07	-223.63	10345.03	6321.92	-546.88	-894.23	138.12	2496.59	67.04	37.24	PASS
4117.00†	4009.24	-557.04	-239.06	10384.84	6321.18	-586.68	-895.10	137.34	2403.41	68.13	35.28	PASS
4217.00†	4101.26	-593.00	-254.49	10410.87	6320.66	-612.69	-895.95	136.78	2310.32	69.12	33.42	PASS
4317.00†	4193.29	-628.96	-269.93	10442.77	6320.04	-644.56	-897.25	136.04	2217.40	70.23	31.57	PASS
4417.00†	4285.31	-664.92	-285.36	10478.68	6319.35	-680.43	-898.65	135.15	2124.54	71.44	29.74	PASS
4517.00†	4377.34	-700.89	-300.80	10510.73	6318.74	-712.45	-899.88	134.29	2031.77	72.66	27.96	PASS
4617.00†	4469.36	-736.85	-316.23	10528.63	6318.50	-730.34	-900.58	133.78	1939.28	73.83	26.27	PASS
4717.00†	4561.38	-772.81	-331.66	10547.41	6318.41	-749.10	-901.35	133.23	1847.23	75.09	24.60	PASS
4817.00†	4653.41	-808.78	-347.10	10604.43	6318.07	-806.08	-903.49	131.41	1755.19	76.77	22.86	PASS
4917.00†	4745.43	-844.74	-362.53	10631.97	6317.93	-833.61	-904.26	130.45	1663.23	78.30	21.24	PASS
5017.00†	4837.46	-880.70	-377.97	10668.21	6317.89	-869.84	-905.17	129.10	1571.54	80.00	19.64	PASS
5117.00†	4929.48	-916.66	-393.40	10730.68	6317.04	-932.28	-906.89	126.41	1479.61	81.52	18.15	PASS
5217.00†	5021.51	-952.63	-408.83	10765.00	6316.33	-966.58	-907.78	124.71	1387.70	84.02	16.52	PASS
5317.00†	5113.53	-988.59	-424.27	10765.00	6316.33	-966.58	-907.78	124.71	1296.53	86.18	15.05	PASS
5417.00†	5205.55	-1024.55	-439.70	10765.00	6316.33	-966.58	-907.78	124.71	1206.76	88.65	13.61	PASS
5517.00†	5297.58	-1060.51	-455.14	10765.00	6316.33	-966.58	-907.78	124.71	1118.73	91.49	12.23	PASS
5617.00†	5389.60	-1096.48	-470.57	10765.00	6316.33	-966.58	-907.78	124.71	1032.88	94.76	10.90	PASS
5717.00†	5481.63	-1132.44	-486.00	10765.00	6316.33	-966.58	-907.78	124.71	949.80	98.52	9.64	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 11-14-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 11-14-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#04 STATE NORTH PLATTE 11-14-26HNB (393'FNL & 956'FWL, SEC.26)		Well: STATE NORTH PLATTE 11-14-26HNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	10765.00	6316.33	-966.58	-907.78	124.71	870.30	102.82	8.46	PASS
5917.00†	5665.68	-1204.36	-516.87	10765.00	6316.33	-966.58	-907.78	124.71	795.42	107.67	7.39	PASS
6017.00†	5757.70	-1240.33	-532.31	10765.00	6316.33	-966.58	-907.78	124.71	726.63	112.97	6.43	PASS
6117.00†	5849.72	-1276.29	-547.74	10765.00	6316.33	-966.58	-907.78	124.71	665.78	118.47	5.62	PASS
6215.13	5940.03	-1311.58	-562.89	10765.00	6316.33	-966.58	-907.78	124.71	616.10	123.55	4.99	PASS
6217.00†	5941.75	-1312.26	-563.17	10765.00	6316.33	-966.58	-907.78	124.95	615.27	123.64	4.98	PASS
6317.00†	6030.08	-1356.45	-577.97	10765.00	6316.33	-966.58	-907.78	133.44	585.42	127.24	4.60	PASS
6362.00†	6067.08	-1381.29	-584.16	10765.00	6316.33	-966.58	-907.78	135.50	582.11	128.00	4.55	PASS
6369.04†	6072.68	-1385.44	-585.09	10765.00	6316.33	-966.58	-907.78	135.76	582.18	128.05	4.55	PASS
6417.00†	6109.51	-1415.53	-591.24	10765.00	6316.33	-966.58	-907.78	137.02	586.96	127.82	4.59	PASS
6517.00†	6177.62	-1487.69	-602.58	10765.00	6316.33	-966.58	-907.78	137.44	619.63	124.80	4.97	PASS
6617.00†	6232.34	-1570.74	-611.65	10765.00	6316.33	-966.58	-907.78	134.85	678.06	119.83	5.66	PASS
6717.00†	6272.01	-1662.17	-618.16	10765.00	6316.33	-966.58	-907.78	128.18	754.78	114.67	6.58	PASS
6817.00†	6295.42	-1759.18	-621.93	10765.00	6316.33	-966.58	-907.78	114.46	842.84	110.27	7.64	PASS
6904.53	6302.00	-1846.38	-622.88	10765.00	6316.33	-966.58	-907.78	92.90	924.89	107.26	8.62	PASS
6917.00†	6302.00	-1858.85	-622.86	10765.00	6316.33	-966.58	-907.78	92.90	936.77	106.90	8.76	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE 11-14-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 11-14-26HNB AWP			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE 11-14-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 11-14-26HNB AWP			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment
12.00	10710.00	ISCSWA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL SURVEYS <48-10710>
10710.00	10765.00	Blind Drilling (std)	Projection to bit

STATE NORTH PLATTE 11-14-26HNB AWP
STATE NORTH PLATTE 11-14-26HNB AWP



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE 11-14-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HNB AWP	
MD Reference: ENSIGN (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	12.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-E14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE A11-E14-26HNC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#13 STATE NORTH PLATTE A11-E14-26HNC (376°FNL & 1080°FWL, SEC.26)			Well: STATE NORTH PLATTE A11-E14-26HNC			Threshold Value=1.00		† = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	26.25	15.25	3402.99	-447.08	-7.49	3432.23	1.42	5546.88	PASS
117.00†	117.00	0.00	0.00	110.34	99.34	3403.20	-447.32	-7.49	3432.51	1.89	3161.90	PASS
217.00†	217.00	0.00	0.00	217.05	206.05	3403.62	-447.80	-7.50	3432.97	2.69	1814.17	PASS
317.00†	317.00	0.00	0.00	320.63	309.63	3403.79	-448.33	-7.50	3433.20	3.51	1268.56	PASS
417.00†	417.00	0.00	0.00	412.90	401.90	3404.02	-448.83	-7.51	3433.51	4.30	980.46	PASS
517.00†	517.00	0.00	0.00	502.37	491.37	3404.48	-449.35	-7.52	3434.11	5.10	799.48	PASS
617.00†	617.00	0.00	0.00	601.12	590.11	3405.24	-450.06	-7.53	3434.96	5.92	670.42	PASS
717.00†	717.00	0.00	0.00	703.89	692.87	3405.82	-450.87	-7.54	3435.62	6.77	575.90	PASS
817.00†	817.00	0.00	0.00	794.50	783.47	3406.42	-452.01	-7.56	3436.45	7.57	507.64	PASS
917.00†	917.00	0.00	0.00	876.37	865.33	3407.26	-453.12	-7.58	3437.65	8.34	455.74	PASS
1017.00†	1017.00	0.00	0.00	945.15	934.09	3408.34	-454.73	-7.60	3439.54	9.10	414.34	PASS
1117.00†	1117.00	0.00	0.00	1005.44	994.30	3409.85	-457.04	-7.63	3442.53	9.84	380.93	PASS
1217.00†	1217.00	0.00	0.00	1068.26	1057.00	3412.00	-460.37	-7.68	3446.63	10.61	351.30	PASS
1317.00†	1317.00	0.00	0.00	1142.05	1130.55	3415.09	-465.48	-7.76	3451.70	11.42	325.05	PASS
1417.00†	1417.00	0.00	0.00	1211.80	1199.97	3418.31	-471.44	-7.85	3457.49	12.20	303.29	PASS
1517.00†	1517.00	0.00	0.00	1276.05	1263.81	3421.85	-477.66	-7.95	3464.30	12.96	284.86	PASS
1617.00†	1617.00	0.00	0.00	1347.67	1334.86	3426.30	-485.55	-8.07	3472.01	13.12	272.98	PASS
1717.00†	1717.00	0.00	0.00	1440.28	1426.50	3432.25	-497.51	-8.25	3480.27	13.52	265.23	PASS
1817.00†	1817.00	0.00	0.00	1509.94	1495.23	3436.86	-507.89	-8.41	3489.05	13.74	261.53	PASS
1917.00†	1917.00	0.00	0.00	1591.69	1575.68	3442.66	-521.20	-8.61	3498.58	14.36	250.68	PASS
2000.00	2000.00	0.00	0.00	1642.34	1625.47	3446.47	-529.65	-8.74	3506.99	14.62	246.70	PASS
2017.00†	2017.00	-0.05	-0.02	1651.04	1634.02	3447.19	-531.10	147.99	3508.87	14.65	246.14	PASS
2117.00†	2116.97	-2.20	-0.94	1702.14	1684.21	3451.81	-539.55	147.73	3522.44	15.31	235.50	PASS
2217.00†	2216.79	-7.55	-3.24	1752.95	1734.05	3457.11	-547.87	147.44	3540.27	15.66	231.27	PASS
2317.00†	2316.35	-16.10	-6.91	1800.40	1780.55	3462.73	-555.46	147.13	3562.34	16.21	224.67	PASS
2417.00†	2415.53	-27.84	-11.95	1847.47	1826.63	3469.03	-562.66	146.79	3588.62	16.80	218.25	PASS
2517.00†	2514.20	-42.75	-18.35	1911.26	1889.05	3478.36	-571.95	146.40	3618.78	17.38	212.49	PASS
2617.00†	2612.24	-60.82	-26.10	2420.61	2386.76	3527.32	-663.12	145.65	3651.21	20.88	177.90	PASS
2717.00†	2709.54	-82.02	-35.20	2488.74	2453.34	3529.19	-677.42	145.27	3676.82	21.74	171.93	PASS
2817.00†	2805.97	-106.33	-45.63	2547.09	2510.36	3531.37	-689.63	144.88	3706.07	22.57	166.78	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-E14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE A11-E14-26HNC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#13 STATE NORTH PLATTE A11-E14-26HNC (376'FNL & 1080'FWL, SEC.26)			Well: STATE NORTH PLATTE A11-E14-26HNC			Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	10098.56	6426.39	-67.00	-1231.66	123.36	3716.01	66.48	56.19	PASS
3017.00†	2995.77	-164.15	-70.45	10126.82	6426.44	-95.22	-1233.13	126.88	3622.99	67.42	54.02	PASS
3117.00†	3088.91	-197.59	-84.80	10157.86	6426.49	-126.21	-1234.87	129.98	3530.89	68.43	51.87	PASS
3151.91	3121.12	-209.97	-90.11	10169.74	6426.50	-138.08	-1235.57	130.97	3498.97	68.80	51.12	PASS
3217.00†	3181.02	-233.37	-100.16	10197.91	6426.54	-166.19	-1237.19	130.48	3439.59	69.57	49.69	PASS
3317.00†	3273.04	-269.34	-115.59	10241.05	6426.59	-209.28	-1239.45	129.70	3348.37	70.80	47.52	PASS
3417.00†	3365.07	-305.30	-131.02	10277.53	6426.65	-245.72	-1241.21	129.01	3257.20	72.02	45.44	PASS
3517.00†	3457.09	-341.26	-146.46	10309.79	6426.69	-277.93	-1242.91	128.38	3166.18	73.26	43.43	PASS
3617.00†	3549.12	-377.22	-161.89	10342.11	6426.71	-310.20	-1244.77	127.71	3075.33	74.56	41.44	PASS
3717.00†	3641.14	-413.19	-177.33	10379.74	6426.73	-347.76	-1247.04	126.89	2984.64	75.98	39.46	PASS
3817.00†	3733.16	-449.15	-192.76	10418.05	6426.75	-386.01	-1249.30	126.02	2894.07	77.47	37.52	PASS
3917.00†	3825.19	-485.11	-208.19	10457.93	6426.77	-425.82	-1251.57	125.07	2803.64	79.05	35.62	PASS
4017.00†	3917.21	-521.07	-223.63	10498.90	6426.82	-466.73	-1253.71	124.05	2713.32	80.71	33.76	PASS
4117.00†	4009.24	-557.04	-239.06	10539.42	6426.88	-507.21	-1255.62	123.00	2623.14	82.44	31.95	PASS
4217.00†	4101.26	-593.00	-254.49	10579.29	6426.91	-547.04	-1257.43	121.90	2533.11	84.25	30.19	PASS
4317.00†	4193.29	-628.96	-269.93	10620.60	6426.92	-588.31	-1259.23	120.71	2443.25	86.17	28.47	PASS
4417.00†	4285.31	-664.92	-285.36	10666.42	6426.91	-634.10	-1260.91	119.31	2353.53	88.22	26.78	PASS
4517.00†	4377.34	-700.89	-300.80	10712.65	6426.89	-680.31	-1262.19	117.83	2263.93	90.37	25.15	PASS
4617.00†	4469.36	-736.85	-316.23	10760.29	6426.89	-727.94	-1262.93	116.21	2174.45	92.63	23.56	PASS
4717.00†	4561.38	-772.81	-331.66	10806.76	6426.89	-774.41	-1263.09	114.55	2085.11	95.00	22.03	PASS
4817.00†	4653.41	-808.78	-347.10	10851.46	6426.78	-819.11	-1263.02	112.84	1995.96	97.50	20.54	PASS
4917.00†	4745.43	-844.74	-362.53	10896.18	6426.54	-863.83	-1262.76	111.02	1907.06	100.17	19.10	PASS
5017.00†	4837.46	-880.70	-377.97	10941.52	6426.33	-909.16	-1261.92	109.07	1818.44	103.01	17.71	PASS
5117.00†	4929.48	-916.66	-393.40	10987.53	6426.17	-955.15	-1260.45	106.97	1730.13	106.02	16.37	PASS
5217.00†	5021.51	-952.63	-408.83	11015.00	6426.07	-982.60	-1259.39	105.65	1642.30	109.35	15.06	PASS
5317.00†	5113.53	-988.59	-424.27	11015.00	6426.07	-982.60	-1259.39	105.65	1555.71	113.19	13.78	PASS
5417.00†	5205.55	-1024.55	-439.70	11015.00	6426.07	-982.60	-1259.39	105.65	1470.82	117.44	12.56	PASS
5517.00†	5297.58	-1060.51	-455.14	11015.00	6426.07	-982.60	-1259.39	105.65	1387.94	122.16	11.39	PASS
5617.00†	5389.60	-1096.48	-470.57	11015.00	6426.07	-982.60	-1259.39	105.65	1307.47	127.37	10.29	PASS
5717.00†	5481.63	-1132.44	-486.00	11015.00	6426.07	-982.60	-1259.39	105.65	1229.86	133.11	9.26	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A11-E14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE A11-E14-26HNC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#13 STATE NORTH PLATTE A11-E14-26HNC (376'FNL & 1080'FWL, SEC.26)		Well: STATE NORTH PLATTE A11-E14-26HNC		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	11015.00	6426.07	-982.60	-1259.39	105.65	1155.69	139.39	8.31	PASS
5917.00†	5665.68	-1204.36	-516.87	11015.00	6426.07	-982.60	-1259.39	105.65	1085.68	146.16	7.44	PASS
6017.00†	5757.70	-1240.33	-532.31	11015.00	6426.07	-982.60	-1259.39	105.65	1020.68	153.35	6.67	PASS
6117.00†	5849.72	-1276.29	-547.74	11015.00	6426.07	-982.60	-1259.39	105.65	961.70	160.77	5.99	PASS
6215.13	5940.03	-1311.58	-562.89	11015.00	6426.07	-982.60	-1259.39	105.65	910.81	167.99	5.43	PASS
6217.00†	5941.75	-1312.26	-563.17	11015.00	6426.07	-982.60	-1259.39	105.91	909.92	168.12	5.42	PASS
6317.00†	6030.08	-1356.45	-577.97	11015.00	6426.07	-982.60	-1259.39	115.87	872.30	174.79	5.00	PASS
6417.00†	6109.51	-1415.53	-591.24	11015.00	6426.07	-982.60	-1259.39	120.66	856.77	179.77	4.77	PASS
6470.55†	6147.52	-1452.67	-597.58	11015.00	6426.07	-982.60	-1259.39	121.84	858.23	181.27	4.74	PASS
6517.00†	6177.62	-1487.69	-602.58	11015.00	6426.07	-982.60	-1259.39	122.21	865.01	181.82	4.76	PASS
6617.00†	6232.34	-1570.74	-611.65	11015.00	6426.07	-982.60	-1259.39	121.12	896.11	180.89	4.96	PASS
6717.00†	6272.01	-1662.17	-618.16	11015.00	6426.07	-982.60	-1259.39	117.34	946.96	177.72	5.34	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE A11-E14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE A11-E14-26HNC AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE A11-E14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE A11-E14-26HNC 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]
13.5in Open Hole	17.00	1678.00	1661.00	6.00	1660.50	2074.46	-272.52	2088.65	-299.49
9.625in Casing Surface	17.00	1666.00	1649.00	6.00	1648.72	2074.46	-272.52	2088.33	-298.88
8.5in Open Hole	1678.00	11015.00	9337.00	1660.50	6426.07	2088.65	-299.49	737.74	-520.14



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE A11-E14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE A11-E14-26HNC AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1612.00	Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model)	BHI MWD NAVITRAK +SR+ROCKIES <121-1612>	STATE NORTH PLATTE A11-E14-26HNC AWB
1612.00	10991.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BHI MWD ATCURVE +AC+SS+ROCKIES <1757-10991>	STATE NORTH PLATTE A11-E14-26HNC AWB
10991.00	11015.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE A11-E14-26HNC AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE A11-E14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE A11-E14-26HNC AWP	
MD Reference: XTREME 19 (4567'GL + 17'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE P41-35-2XRLNC pwb Offset Wellpath: NORTH PLATTE P41-35-2XRLNC (REV-A.0) PWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#31 NORTH PLATTE P41-35-2XRLNC		Well: NORTH PLATTE P41-35-2XRLNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-840.07	1086.24	127.72	1373.19	1.10	4574.63	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE P41-35-2XRLNC pwb Offset Wellpath: NORTH PLATTE P41-35-2XRLNC (REV-A.0) PWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE P41-35-2XRLNC pwb Offset Wellpath: NORTH PLATTE P41-35-2XRLNC (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1555.00	-512.10	662.19	-512.10	662.19

SURVEY PROGRAM - Offset Wellbore: NORTH PLATTE P41-35-2XRLNC (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		NORTH PLATTE P41-35-2XRLNC pwb
1550.00	16736.11	BHI AutoTrak Curve (Axial Corr, Short spacing)		NORTH PLATTE P41-35-2XRLNC pwb

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE P41-35-2XRLNC pwb Offset Wellpath: NORTH PLATTE P41-35-2XRLNC (REV-A.0) PWP	
MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: LATHAM T34-P31-2HC AWB Offset Wellpath: LATHAM T34-P31-2HC AWP

Facility: SEC.02-T4N-R63W		Slot: SLOT#04 LATHAM T34-P31-2HC (342°FSL & 2209°FEL, SEC.2)		Well: LATHAM T34-P31-2HC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	11038.00	6501.68	-7118.85	1451.14	168.48	9738.32	81.69	120.17	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: LATHAM T34-P31-2HC AWB Offset Wellpath: LATHAM T34-P31-2HC AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: LATHAM T34-P31-2HC AWB Offset Wellpath: LATHAM T34-P31-2HC 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	797.00	780.00	52.00	831.95	-7070.42	558.58	-7069.56	561.07
8.75in Open Hole	797.00	6795.00	5998.00	831.95	6479.85	-7069.56	561.07	-6997.87	710.06
7in Casing Intermediate	17.00	6795.00	6778.00	52.00	6479.85	-7070.42	558.58	-6997.87	710.06
6.125in Open Hole	6798.00	11038.00	4240.00	6479.89	6501.68	-6996.95	710.04	-5705.02	721.61

WELLPATH COMPOSITION - Offset Wellbore: LATHAM T34-P31-2HC AWB Offset Wellpath: LATHAM T34-P31-2HC AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	6795.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 8.75" Hole <17'-6795'>	LATHAM T34-P31-2HC AWB
6795.00	10982.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 6.125" Hole <6926'-9645'>	LATHAM T34-P31-2HC AWB
10982.00	11038.00	Blind Drilling (std)	Projection to bit	LATHAM T34-P31-2HC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: LATHAM T34-P31-2HC AWB Offset Wellpath: LATHAM T34-P31-2HC AWP	
MD Reference: RIG (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE K31-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE K31-35-2MRLNB (REV-A.0) PWP

Facility: SEC.26-T5N-R63W Slot: SLOT#28 NORTH PLATTE K31-35-2MRLNB Well: NORTH PLATTE K31-35-2MRLNB Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-960.30	1085.41	131.50	1449.24	1.10	4828.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE K31-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE K31-35-2MRLNB (REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE K31-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE K31-35-2MRLNB (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1544.46	-585.38	661.68	-627.64	686.08

SURVEY PROGRAM - Offset Wellbore: NORTH PLATTE K31-35-2MRLNB (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		NORTH PLATTE K31-35-2MRLNB PWB
1550.00	11420.31	BHI AutoTrak Curve (Axial Corr, Short spacing)		NORTH PLATTE K31-35-2MRLNB PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE K31-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE K31-35-2MRLNB (REV-A.0) PWP

MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-J-26HNB AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#01 STATE NORTH PLATTE F-J-26HNB (457'FNL & 956'FWL,SEC.26)		Well: STATE NORTH PLATTE F-J-26HNB		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	26.49	21.49	3323.60	-572.28	-9.77	3372.51	1.43	5402.68	PASS
117.00†	117.00	0.00	0.00	102.05	97.05	3323.59	-572.38	-9.77	3372.58	1.99	2835.74	PASS
217.00†	217.00	0.00	0.00	178.55	173.54	3324.34	-572.98	-9.78	3373.64	2.83	1661.22	PASS
317.00†	317.00	0.00	0.00	276.03	271.02	3325.51	-573.87	-9.79	3374.97	3.84	1111.04	PASS
417.00†	417.00	0.00	0.00	383.16	378.13	3326.91	-574.27	-9.79	3376.33	4.91	820.88	PASS
517.00†	517.00	0.00	0.00	516.94	511.90	3327.42	-575.76	-9.82	3376.87	6.14	632.91	PASS
617.00†	617.00	0.00	0.00	592.45	587.40	3327.72	-576.29	-9.82	3377.38	7.05	540.05	PASS
717.00†	717.00	0.00	0.00	662.45	657.39	3328.76	-575.67	-9.81	3378.69	7.94	473.17	PASS
817.00†	817.00	0.00	0.00	765.70	760.59	3331.18	-573.34	-9.77	3380.63	9.01	411.98	PASS
917.00†	917.00	0.00	0.00	860.40	855.24	3333.19	-570.93	-9.72	3382.30	10.03	366.57	PASS
1017.00†	1017.00	0.00	0.00	954.05	948.84	3335.41	-568.71	-9.68	3384.24	11.05	330.15	PASS
1117.00†	1117.00	0.00	0.00	1050.68	1045.43	3337.70	-567.15	-9.64	3386.30	12.08	300.09	PASS
1217.00†	1217.00	0.00	0.00	1192.22	1186.88	3340.27	-563.04	-9.57	3387.52	13.36	269.68	PASS
1317.00†	1317.00	0.00	0.00	1272.07	1266.66	3341.67	-560.19	-9.52	3388.68	14.31	250.81	PASS
1417.00†	1417.00	0.00	0.00	1349.97	1344.51	3343.54	-557.97	-9.47	3390.55	15.25	234.62	PASS
1517.00†	1517.00	0.00	0.00	1479.71	1474.17	3346.53	-554.72	-9.41	3392.47	16.47	216.47	PASS
1617.00†	1617.00	0.00	0.00	1613.43	1607.86	3347.75	-551.88	-9.36	3392.95	16.65	203.84	PASS
1717.00†	1717.00	0.00	0.00	1699.54	1693.95	3348.21	-550.69	-9.34	3393.28	17.13	198.05	PASS
1817.00†	1817.00	0.00	0.00	1755.58	1749.98	3349.12	-549.74	-9.32	3394.60	17.50	194.02	PASS
1917.00†	1917.00	0.00	0.00	1812.10	1806.46	3350.85	-548.39	-9.29	3397.23	17.89	189.88	PASS
2000.00	2000.00	0.00	0.00	1865.46	1859.75	3353.10	-546.83	-9.26	3400.29	18.28	186.00	PASS
2017.00†	2017.00	-0.05	-0.02	1876.38	1870.65	3353.62	-546.48	147.51	3401.05	18.36	185.21	PASS
2117.00†	2116.97	-2.20	-0.94	1942.73	1936.86	3357.25	-544.15	147.50	3407.84	18.91	180.23	PASS
2217.00†	2216.79	-7.55	-3.24	2029.00	2022.88	3362.62	-540.49	147.51	3418.22	19.69	173.63	PASS
2317.00†	2316.35	-16.10	-6.91	2135.96	2129.47	3369.62	-534.92	147.56	3431.74	20.61	166.52	PASS
2417.00†	2415.53	-27.84	-11.95	2235.84	2228.96	3375.92	-528.76	147.62	3447.82	21.52	160.25	PASS
2517.00†	2514.20	-42.75	-18.35	2318.64	2311.35	3381.51	-522.74	147.65	3467.15	22.35	155.11	PASS
2617.00†	2612.24	-60.82	-26.10	2389.94	2382.24	3386.77	-517.26	147.63	3489.99	23.15	150.75	PASS
2717.00†	2709.54	-82.02	-35.20	2458.96	2450.84	3392.33	-512.04	147.58	3516.45	23.96	146.75	PASS
2817.00†	2805.97	-106.33	-45.63	9905.05	6331.91	-118.01	-288.85	166.18	3534.34	53.54	66.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-J-26HNB AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#01 STATE NORTH PLATTE F-J-26HNB (457'FNL & 956'FWL,SEC.26)		Well: STATE NORTH PLATTE F-J-26HNB		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	9969.77	6331.34	-182.68	-291.27	168.35	3438.23	54.45	63.15	PASS
3017.00†	2995.77	-164.15	-70.45	9984.20	6331.14	-197.10	-291.71	169.72	3342.86	54.74	61.07	PASS
3117.00†	3088.91	-197.59	-84.80	10000.48	6331.00	-213.38	-291.98	170.85	3248.74	55.05	59.01	PASS
3151.91	3121.12	-209.97	-90.11	10007.76	6330.97	-220.66	-292.03	171.22	3216.20	55.18	58.29	PASS
3217.00†	3181.02	-233.37	-100.16	10111.76	6329.58	-324.61	-289.59	172.76	3155.57	56.48	55.87	PASS
3317.00†	3273.04	-269.34	-115.59	10179.92	6327.28	-392.73	-289.33	173.84	3061.66	57.40	53.34	PASS
3417.00†	3365.07	-305.30	-131.02	10195.10	6326.70	-407.90	-289.48	174.08	2967.64	57.72	51.42	PASS
3517.00†	3457.09	-341.26	-146.46	10210.84	6326.19	-423.63	-289.71	174.34	2873.85	58.05	49.51	PASS
3617.00†	3549.12	-377.22	-161.89	10226.53	6325.77	-439.31	-290.00	174.61	2780.30	58.39	47.62	PASS
3717.00†	3641.14	-413.19	-177.33	10241.98	6325.47	-454.75	-290.31	174.87	2687.03	58.74	45.75	PASS
3817.00†	3733.16	-449.15	-192.76	10258.04	6325.26	-470.81	-290.66	175.16	2594.04	59.11	43.89	PASS
3917.00†	3825.19	-485.11	-208.19	10279.72	6325.13	-492.48	-291.12	175.55	2501.33	59.55	42.00	PASS
4017.00†	3917.21	-521.07	-223.63	10304.08	6325.11	-516.83	-291.53	176.02	2408.85	60.04	40.12	PASS
4117.00†	4009.24	-557.04	-239.06	10330.38	6325.20	-543.14	-291.84	176.56	2316.61	60.56	38.25	PASS
4217.00†	4101.26	-593.00	-254.49	10375.94	6325.48	-588.70	-292.05	177.59	2224.54	61.30	36.29	PASS
4317.00†	4193.29	-628.96	-269.93	10408.12	6325.50	-620.87	-292.01	178.39	2132.34	61.91	34.45	PASS
4417.00†	4285.31	-664.92	-285.36	10429.94	6325.66	-642.70	-291.97	178.96	2040.48	62.42	32.69	PASS
4517.00†	4377.34	-700.89	-300.80	10529.68	6325.27	-742.43	-291.77	-178.07	1948.40	63.75	30.56	PASS
4617.00†	4469.36	-736.85	-316.23	10573.71	6324.16	-786.44	-291.12	-176.48	1855.63	64.52	28.76	PASS
4717.00†	4561.38	-772.81	-331.66	10602.66	6323.41	-815.37	-290.56	-175.33	1763.02	65.19	27.05	PASS
4817.00†	4653.41	-808.78	-347.10	10624.17	6322.95	-836.87	-290.14	-174.43	1670.75	65.83	25.38	PASS
4917.00†	4745.43	-844.74	-362.53	10645.95	6322.66	-858.65	-289.79	-173.47	1578.96	66.53	23.73	PASS
5017.00†	4837.46	-880.70	-377.97	10680.57	6322.35	-893.26	-289.46	-171.85	1487.59	67.43	22.06	PASS
5117.00†	4929.48	-916.66	-393.40	10720.44	6321.92	-933.13	-289.30	-169.82	1396.42	68.11	20.50	PASS
5217.00†	5021.51	-952.63	-408.83	10755.20	6321.50	-967.88	-289.11	-167.86	1305.58	69.63	18.75	PASS
5317.00†	5113.53	-988.59	-424.27	10758.00	6321.46	-970.69	-289.10	-167.69	1215.60	70.76	17.18	PASS
5417.00†	5205.55	-1024.55	-439.70	10758.00	6321.46	-970.69	-289.10	-167.69	1127.31	72.13	15.63	PASS
5517.00†	5297.58	-1060.51	-455.14	10758.00	6321.46	-970.69	-289.10	-167.69	1041.14	73.83	14.10	PASS
5617.00†	5389.60	-1096.48	-470.57	10758.00	6321.46	-970.69	-289.10	-167.69	957.66	75.96	12.61	PASS
5717.00†	5481.63	-1132.44	-486.00	10758.00	6321.46	-970.69	-289.10	-167.69	877.64	78.65	11.16	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-J-26HNB AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#01 STATE NORTH PLATTE F-J-26HNB (457'FNL & 956'FWL,SEC.26)		Well: STATE NORTH PLATTE F-J-26HNB		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	10758.00	6321.46	-970.69	-289.10	-167.69	802.12	82.00	9.78	PASS
5917.00†	5665.68	-1204.36	-516.87	10758.00	6321.46	-970.69	-289.10	-167.69	732.49	86.15	8.50	PASS
6017.00†	5757.70	-1240.33	-532.31	10758.00	6321.46	-970.69	-289.10	-167.69	670.58	91.12	7.36	PASS
6117.00†	5849.72	-1276.29	-547.74	10758.00	6321.46	-970.69	-289.10	-167.69	618.73	96.77	6.39	PASS
6215.13	5940.03	-1311.58	-562.89	10758.00	6321.46	-970.69	-289.10	-167.69	580.22	102.52	5.66	PASS
6217.00†	5941.75	-1312.26	-563.17	10758.00	6321.46	-970.69	-289.10	-167.54	579.63	102.63	5.65	PASS
6317.00†	6030.08	-1356.45	-577.97	10758.00	6321.46	-970.69	-289.10	-161.62	563.17	107.32	5.25	PASS
6357.55†	6063.51	-1378.70	-583.56	10758.00	6321.46	-970.69	-289.10	-159.74	565.44	108.55	5.21	PASS
6417.00†	6109.51	-1415.53	-591.24	10758.00	6321.46	-970.69	-289.10	-157.05	578.01	109.28	5.29	PASS
6517.00†	6177.62	-1487.69	-602.58	10758.00	6321.46	-970.69	-289.10	-151.84	621.49	108.02	5.75	PASS
6617.00†	6232.34	-1570.74	-611.65	10758.00	6321.46	-970.69	-289.10	-144.50	687.05	104.79	6.56	PASS
6717.00†	6272.01	-1662.17	-618.16	10758.00	6321.46	-970.69	-289.10	-133.02	767.38	100.95	7.60	PASS
6817.00†	6295.42	-1759.18	-621.93	10758.00	6321.46	-970.69	-289.10	-114.82	856.26	97.27	8.80	PASS
6904.53	6302.00	-1846.38	-622.88	10758.00	6321.46	-970.69	-289.10	-93.32	937.35	94.45	9.92	PASS
6917.00†	6302.00	-1858.85	-622.86	10758.00	6321.46	-970.69	-289.10	-93.32	949.00	94.08	10.09	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE F-J-26HNB AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HNB AWP				
Slot Surface Uncertainty @1SD		Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft	Vertical 3.000ft

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE F-J-26HNB AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
12.00	10703.00	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL SURVEYS <50-10703>	STATE NORTH PLATTE F-J-26HNB AWB
10703.00	10758.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE F-J-26HNB AWB



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE F-J-26HNB AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HNB AWP	
MD Reference: ENSIGN (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	12.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE U41-35-1XRLNB PWB Offset Wellpath: STATE NORTH PLATTE U41-35-1XRLNB (REV-A.0) PWP

Facility: SEC.26-T5N-R63W Slot: SLOT#32 STATE NORTH PLATTE U41-35-1XRLNB Well: STATE NORTH PLATTE U41-35-1XRLNB Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-819.67	1086.24	127.04	1360.80	1.10	4533.34	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE U41-35-1XRLNB PWB Offset Wellpath: STATE NORTH PLATTE U41-35-1XRLNB (REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE U41-35-1XRLNB PWB Offset Wellpath: STATE NORTH PLATTE U41-35-1XRLNB (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1555.00	-499.66	662.18	-499.66	662.18

SURVEY PROGRAM - Offset Wellbore: STATE NORTH PLATTE U41-35-1XRLNB (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE U41-35-1XRLNB PWB
1550.00	16849.94	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE U41-35-1XRLNB PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE U41-35-1XRLNB PWB Offset Wellpath: STATE NORTH PLATTE U41-35-1XRLNB (REV-A.0) PWP

MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE A-E-26HNB AWB Offset Wellpath: STATE NORTH PLATTE A-E-26HNB AWP

Facility: SEC.26-T5N-R63W		Slot: SLOT#17 STATE NORTH PLATTE A-E-26HNB (456'FNL & 1081'FWL, SEC.26)				Well: STATE NORTH PLATTE A-E-26HNB		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	28.34	16.34	3323.00	-447.68	-7.67	3353.02	1.42	5399.34	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE A-E-26HNB AWB Offset Wellpath: STATE NORTH PLATTE A-E-26HNB AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE A-E-26HNB AWB Offset Wellpath: STATE NORTH PLATTE A-E-26HNB 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]
13.5in Open Hole	17.00	1630.00	1613.00	5.00	1608.56	2025.70	-272.89	2025.56	-306.66
9.625in Casing Surface	17.00	1640.00	1623.00	5.00	1618.30	2025.70	-272.89	2025.59	-307.34
8.5in Open Hole	1630.00	11005.00	9375.00	1608.56	6352.35	2025.56	-306.66	715.79	-610.54

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE A-E-26HNB AWB Offset Wellpath: STATE NORTH PLATTE A-E-26HNB AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1575.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI MWD NAVITRAK+SR+AC +ROCKIES <121-1575>	STATE NORTH PLATTE A-E-26HNB AWB
1575.00	10980.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BHI ATCURVE+AC+SS+ROCKIES <1667-10980>	STATE NORTH PLATTE A-E-26HNB AWB
10980.00	11005.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE A-E-26HNB AWB



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE A-E-26HNB AWB Offset Wellpath: STATE NORTH PLATTE A-E-26HNB AWP	
MD Reference: XTREME 19 (4567'GL + 17'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: LATHAM T-P-2HNB AWB Offset Wellpath: LATHAM T-P-2HNB AWP												
Facility: SEC.02-T4N-R63W		Slot: SLOT#06 LATHAM T-P-2HNB (371°FSL & 2238°FEL,SEC.2)		Well: LATHAM T-P-2HNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	10702.00	6285.83	-7358.83	1762.76	166.53	9826.39	87.59	113.02	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: LATHAM T-P-2HNB AWB Offset Wellpath: LATHAM T-P-2HNB AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: LATHAM T-P-2HNB AWB Offset Wellpath: LATHAM T-P-2HNB 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	751.00	734.00	52.00	785.96	-7052.66	541.58	-7050.79	542.29
8.75in Open Hole	798.00	6715.00	5917.00	832.96	6294.23	-7050.84	542.26	-6984.30	806.63
7in Casing Intermediate	17.00	6661.00	6644.00	52.00	6289.14	-7052.66	541.58	-7000.68	806.32
6.125in Open Hole	6715.00	10702.00	3987.00	6294.23	6285.83	-6984.30	806.63	-5769.29	808.10

WELLPATH COMPOSITION - Offset Wellbore: LATHAM T-P-2HNB AWB Offset Wellpath: LATHAM T-P-2HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	6609.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 8.75" Hole <17'-6609'>	LATHAM T-P-2HNB AWB
6609.00	10603.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 6.125" Hole <6657'-9179'>	LATHAM T-P-2HNB AWB
10603.00	10702.00	Blind Drilling (std)	Projection to bit	LATHAM T-P-2HNB AWB



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: LATHAM T-P-2HNB AWB Offset Wellpath: LATHAM T-P-2HNB AWP	
MD Reference: RIG (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 11-14-26HC AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#05 STATE NORTH PLATTE 11-14-26HC (377'FNL & 956'FWL, SEC.26)				Well: STATE NORTH PLATTE 11-14-26HC			Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	22.33	16.33	3403.76	-572.28	-9.54	3451.53	1.43	5509.62	PASS
117.00†	117.00	0.00	0.00	118.49	112.49	3403.93	-571.81	-9.54	3451.63	2.07	2719.62	PASS
217.00†	217.00	0.00	0.00	218.35	212.34	3404.18	-571.16	-9.52	3451.76	3.05	1533.43	PASS
317.00†	317.00	0.00	0.00	318.57	312.57	3404.42	-570.50	-9.51	3451.89	4.09	1049.96	PASS
417.00†	417.00	0.00	0.00	418.50	412.49	3404.66	-569.85	-9.50	3452.02	5.14	796.12	PASS
517.00†	517.00	0.00	0.00	501.38	495.36	3405.05	-569.24	-9.49	3452.38	6.10	651.69	PASS
617.00†	617.00	0.00	0.00	614.85	608.82	3405.84	-567.95	-9.47	3452.88	7.23	537.42	PASS
717.00†	717.00	0.00	0.00	706.92	700.89	3406.35	-566.60	-9.44	3453.19	8.24	464.13	PASS
817.00†	817.00	0.00	0.00	762.58	756.54	3407.02	-566.36	-9.44	3454.30	9.05	418.96	PASS
917.00†	917.00	0.00	0.00	825.23	819.17	3408.39	-567.20	-9.45	3456.65	9.90	379.90	PASS
1017.00†	1017.00	0.00	0.00	895.10	888.99	3410.37	-568.91	-9.47	3459.86	10.77	346.94	PASS
1117.00†	1117.00	0.00	0.00	936.00	929.83	3412.00	-570.46	-9.49	3464.42	11.49	324.05	PASS
1217.00†	1217.00	0.00	0.00	976.78	970.49	3414.22	-572.61	-9.52	3470.67	12.23	303.57	PASS
1317.00†	1317.00	0.00	0.00	1025.26	1018.74	3417.53	-575.91	-9.57	3478.52	13.00	285.16	PASS
1417.00†	1417.00	0.00	0.00	1077.04	1070.17	3421.67	-580.30	-9.63	3487.81	13.78	268.60	PASS
1517.00†	1517.00	0.00	0.00	1179.00	1171.37	3430.18	-589.31	-9.75	3497.56	14.85	248.98	PASS
1617.00†	1617.00	0.00	0.00	1237.04	1228.91	3435.35	-594.96	-9.83	3508.03	14.61	240.10	PASS
1717.00†	1717.00	0.00	0.00	1323.94	1314.87	3443.69	-604.48	-9.96	3519.39	15.11	232.88	PASS
1817.00†	1817.00	0.00	0.00	1410.09	1400.13	3452.19	-613.45	-10.08	3530.97	15.65	225.67	PASS
1917.00†	1917.00	0.00	0.00	1494.97	1484.22	3461.28	-620.62	-10.16	3543.01	16.21	218.61	PASS
2000.00	2000.00	0.00	0.00	1627.26	1615.49	3474.60	-630.12	-10.28	3552.15	17.05	208.30	PASS
2017.00†	2017.00	-0.05	-0.02	1644.39	1632.49	3476.23	-631.53	146.46	3554.03	17.17	206.96	PASS
2117.00†	2116.97	-2.20	-0.94	1839.99	1826.65	3491.92	-649.16	146.13	3565.58	18.47	193.02	PASS
2217.00†	2216.79	-7.55	-3.24	1910.70	1896.92	3496.91	-655.29	145.94	3578.93	19.17	186.69	PASS
2317.00†	2316.35	-16.10	-6.91	1979.75	1965.49	3502.36	-661.18	145.73	3595.93	19.88	180.89	PASS
2417.00†	2415.53	-27.84	-11.95	2047.02	2032.30	3508.34	-666.38	145.50	3616.59	20.60	175.57	PASS
2517.00†	2514.20	-42.75	-18.35	2176.67	2161.04	3520.27	-675.84	145.31	3640.35	21.71	167.70	PASS
2617.00†	2612.24	-60.82	-26.10	2261.76	2245.56	3527.36	-682.72	145.07	3666.15	22.59	162.32	PASS
2717.00†	2709.54	-82.02	-35.20	2331.38	2314.63	3533.53	-688.87	144.79	3695.33	23.40	157.90	PASS
2817.00†	2805.97	-106.33	-45.63	2385.20	2367.97	3538.74	-693.91	144.46	3728.09	24.16	154.32	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 11-14-26HC AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HC AWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#05 STATE NORTH PLATTE 11-14-26HC (377'FNL & 956'FWL, SEC.26)				Well: STATE NORTH PLATTE 11-14-26HC				Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	10208.90	6498.94	-164.88	-941.61	134.04	3704.72	58.99	62.80	PASS
3017.00†	2995.77	-164.15	-70.45	10228.76	6498.82	-184.74	-941.53	137.93	3609.78	59.54	60.62	PASS
3117.00†	3088.91	-197.59	-84.80	10256.02	6498.70	-212.00	-941.44	141.18	3515.78	60.20	58.40	PASS
3151.91	3121.12	-209.97	-90.11	10270.15	6498.65	-226.14	-941.40	142.17	3483.20	60.48	57.59	PASS
3217.00†	3181.02	-233.37	-100.16	10303.63	6498.54	-259.61	-941.02	141.86	3422.52	61.10	56.01	PASS
3317.00†	3273.04	-269.34	-115.59	10338.99	6498.41	-294.97	-940.40	141.53	3329.26	61.89	53.79	PASS
3417.00†	3365.07	-305.30	-131.02	10369.22	6498.33	-325.19	-939.87	141.23	3236.04	62.64	51.66	PASS
3517.00†	3457.09	-341.26	-146.46	10415.02	6498.26	-370.98	-938.97	140.76	3142.87	63.59	49.42	PASS
3617.00†	3549.12	-377.22	-161.89	10459.46	6497.97	-415.41	-937.97	140.27	3049.51	64.54	47.25	PASS
3717.00†	3641.14	-413.19	-177.33	10515.61	6497.51	-471.54	-936.39	139.62	2956.09	65.64	45.04	PASS
3817.00†	3733.16	-449.15	-192.76	10544.06	6497.26	-499.96	-935.26	139.28	2862.53	66.45	43.08	PASS
3917.00†	3825.19	-485.11	-208.19	10584.63	6496.97	-540.50	-933.56	138.76	2769.05	67.41	41.08	PASS
4017.00†	3917.21	-521.07	-223.63	10628.47	6496.40	-584.30	-931.91	138.15	2675.42	68.43	39.10	PASS
4117.00†	4009.24	-557.04	-239.06	10666.29	6495.93	-622.08	-930.17	137.60	2581.76	69.40	37.20	PASS
4217.00†	4101.26	-593.00	-254.49	10736.80	6494.58	-692.49	-926.67	136.45	2487.91	70.69	35.20	PASS
4317.00†	4193.29	-628.96	-269.93	10756.73	6494.10	-712.38	-925.64	136.10	2393.88	71.55	33.46	PASS
4417.00†	4285.31	-664.92	-285.36	10777.12	6493.70	-732.75	-924.65	135.71	2300.06	72.46	31.74	PASS
4517.00†	4377.34	-700.89	-300.80	10796.09	6493.45	-751.69	-923.74	135.34	2206.49	73.42	30.05	PASS
4617.00†	4469.36	-736.85	-316.23	10815.81	6493.33	-771.39	-922.77	134.95	2113.18	74.43	28.39	PASS
4717.00†	4561.38	-772.81	-331.66	10837.27	6493.37	-792.82	-921.67	134.50	2020.17	75.51	26.76	PASS
4817.00†	4653.41	-808.78	-347.10	10859.88	6493.59	-815.40	-920.45	134.01	1927.45	76.66	25.14	PASS
4917.00†	4745.43	-844.74	-362.53	10888.79	6494.11	-844.25	-918.70	133.37	1834.99	77.90	23.56	PASS
5017.00†	4837.46	-880.70	-377.97	10921.35	6494.97	-876.71	-916.19	132.63	1742.71	79.21	22.00	PASS
5117.00†	4929.48	-916.66	-393.40	10956.31	6496.11	-911.50	-913.02	131.81	1650.56	80.59	20.48	PASS
5217.00†	5021.51	-952.63	-408.83	10991.74	6497.47	-946.71	-909.36	130.94	1558.53	82.02	19.00	PASS
5317.00†	5113.53	-988.59	-424.27	11015.00	6498.47	-969.80	-906.71	130.34	1466.68	83.55	17.55	PASS
5417.00†	5205.55	-1024.55	-439.70	11015.00	6498.47	-969.80	-906.71	130.34	1375.76	85.31	16.13	PASS
5517.00†	5297.58	-1060.51	-455.14	11015.00	6498.47	-969.80	-906.71	130.34	1286.19	87.30	14.73	PASS
5617.00†	5389.60	-1096.48	-470.57	11015.00	6498.47	-969.80	-906.71	130.34	1198.27	89.55	13.38	PASS
5717.00†	5481.63	-1132.44	-486.00	11015.00	6498.47	-969.80	-906.71	130.34	1112.39	92.10	12.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 11-14-26HC AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HC AWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#05 STATE NORTH PLATTE 11-14-26HC (377'FNL & 956'FWL,SEC.26)				Well: STATE NORTH PLATTE 11-14-26HC				Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	11015.00	6498.47	-969.80	-906.71	130.34	1029.06	95.00	10.83	PASS
5917.00†	5665.68	-1204.36	-516.87	11015.00	6498.47	-969.80	-906.71	130.34	948.97	98.26	9.66	PASS
6017.00†	5757.70	-1240.33	-532.31	11015.00	6498.47	-969.80	-906.71	130.34	872.98	101.89	8.57	PASS
6117.00†	5849.72	-1276.29	-547.74	11015.00	6498.47	-969.80	-906.71	130.34	802.29	105.83	7.58	PASS
6215.13	5940.03	-1311.58	-562.89	11015.00	6498.47	-969.80	-906.71	130.34	739.51	109.86	6.73	PASS
6217.00†	5941.75	-1312.26	-563.17	11015.00	6498.47	-969.80	-906.71	130.58	738.40	109.94	6.72	PASS
6317.00†	6030.08	-1356.45	-577.97	11015.00	6498.47	-969.80	-906.71	139.71	690.62	113.79	6.07	PASS
6417.00†	6109.51	-1415.53	-591.24	11015.00	6498.47	-969.80	-906.71	144.14	670.43	116.55	5.75	PASS
6446.52†	6130.89	-1435.56	-594.81	11015.00	6498.47	-969.80	-906.71	144.90	670.32	116.89	5.73	PASS
6517.00†	6177.62	-1487.69	-602.58	11015.00	6498.47	-969.80	-906.71	145.89	680.92	116.74	5.83	PASS
6617.00†	6232.34	-1570.74	-611.65	11015.00	6498.47	-969.80	-906.71	145.52	720.43	114.59	6.29	PASS
6717.00†	6272.01	-1662.17	-618.16	11015.00	6498.47	-969.80	-906.71	142.78	783.53	111.20	7.05	PASS
6817.00†	6295.42	-1759.18	-621.93	11015.00	6498.47	-969.80	-906.71	136.36	863.40	107.65	8.02	PASS
6904.53	6302.00	-1846.38	-622.88	11015.00	6498.47	-969.80	-906.71	124.84	942.10	104.88	8.98	PASS
6917.00†	6302.00	-1858.85	-622.86	11015.00	6498.47	-969.80	-906.71	124.84	953.72	104.52	9.12	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE 11-14-26HC AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HC AWP				
Slot Surface Uncertainty @1SD		Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft	Vertical 3.000ft

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE 11-14-26HC AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HC AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
12.00	11015.00	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL SURVEYS <80-11015>	STATE NORTH PLATTE 11-14-26HC AWB



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE 11-14-26HC AWB Offset Wellpath: STATE NORTH PLATTE 11-14-26HC AWP	
MD Reference: ENSIGN 136 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	12.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE 31-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE 31-35-2MRLNC (REV-A.0) PWP

Facility: SEC.26-T5N-R63W Slot: SLOT#29 NORTH PLATTE 31-35-2MRLNC Well: NORTH PLATTE 31-35-2MRLNC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-880.51	1086.25	129.03	1398.30	1.10	4658.31	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE 31-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE 31-35-2MRLNC (REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE 31-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE 31-35-2MRLNC (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1555.00	-536.75	662.19	-536.75	662.19

SURVEY PROGRAM - Offset Wellbore: NORTH PLATTE 31-35-2MRLNC (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		NORTH PLATTE 31-35-2MRLNC PWB
1550.00	11552.48	BHI AutoTrak Curve (Axial Corr, Short spacing)		NORTH PLATTE 31-35-2MRLNC PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE 31-35-2MRLNC PWB Offset Wellpath: NORTH PLATTE 31-35-2MRLNC (REV-A.0) PWP

MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-J-26HC AWP Offset Wellpath: STATE NORTH PLATTE F-J-26HC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#02 STATE NORTH PLATTE F-J-26HC (433'FNL & 956'FWL, SEC.26)				Well: STATE NORTH PLATTE F-J-26HC		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	19.92	14.92	3345.47	-572.29	-9.71	3394.07	1.42	5473.17	PASS
117.00†	117.00	0.00	0.00	104.31	99.30	3345.72	-572.61	-9.71	3394.42	2.00	2829.45	PASS
217.00†	217.00	0.00	0.00	201.69	196.68	3346.13	-573.31	-9.72	3394.95	2.97	1567.27	PASS
317.00†	317.00	0.00	0.00	293.78	288.77	3346.69	-573.88	-9.73	3395.66	3.96	1075.48	PASS
417.00†	417.00	0.00	0.00	383.01	378.00	3347.48	-574.53	-9.74	3396.65	4.95	818.96	PASS
517.00†	517.00	0.00	0.00	484.15	479.13	3348.52	-575.40	-9.75	3397.81	6.01	652.61	PASS
617.00†	617.00	0.00	0.00	588.27	583.24	3349.55	-575.94	-9.76	3398.87	7.08	541.65	PASS
717.00†	717.00	0.00	0.00	747.97	742.91	3350.55	-573.89	-9.72	3399.44	8.42	446.31	PASS
817.00†	817.00	0.00	0.00	814.22	809.17	3350.29	-574.35	-9.73	3399.17	9.28	400.86	PASS
917.00†	917.00	0.00	0.00	892.39	887.33	3350.68	-574.68	-9.73	3399.73	10.20	361.61	PASS
1017.00†	1017.00	0.00	0.00	1008.16	1003.08	3351.85	-572.90	-9.70	3400.48	11.33	322.81	PASS
1117.00†	1117.00	0.00	0.00	1094.02	1088.92	3352.63	-571.46	-9.67	3401.10	12.30	295.65	PASS
1217.00†	1217.00	0.00	0.00	1227.67	1222.57	3352.69	-570.44	-9.66	3400.88	13.51	267.47	PASS
1317.00†	1317.00	0.00	0.00	1319.56	1314.44	3353.06	-569.38	-9.64	3401.06	14.51	247.99	PASS
1417.00†	1417.00	0.00	0.00	1403.16	1398.05	3353.16	-568.68	-9.63	3401.09	15.47	231.77	PASS
1517.00†	1517.00	0.00	0.00	1457.56	1452.44	3353.95	-568.02	-9.61	3402.32	16.28	219.76	PASS
1617.00†	1617.00	0.00	0.00	1518.78	1513.62	3355.68	-566.95	-9.59	3404.81	16.07	211.93	PASS
1717.00†	1717.00	0.00	0.00	1582.18	1576.95	3358.24	-565.40	-9.56	3408.38	16.43	207.46	PASS
1817.00†	1817.00	0.00	0.00	1733.68	1728.23	3364.40	-560.19	-9.45	3411.87	17.31	197.15	PASS
1917.00†	1917.00	0.00	0.00	1794.02	1788.48	3366.74	-557.77	-9.41	3415.05	17.72	192.71	PASS
2000.00	2000.00	0.00	0.00	1844.06	1838.41	3369.23	-555.73	-9.37	3418.58	18.09	188.99	PASS
2017.00†	2017.00	-0.05	-0.02	1854.39	1848.72	3369.81	-555.31	147.41	3419.44	18.17	188.22	PASS
2117.00†	2116.97	-2.20	-0.94	1918.40	1912.53	3373.82	-552.34	147.40	3426.85	18.70	183.27	PASS
2217.00†	2216.79	-7.55	-3.24	1981.94	1975.79	3378.57	-548.75	147.38	3438.23	19.35	177.73	PASS
2317.00†	2316.35	-16.10	-6.91	2046.98	2040.47	3384.13	-544.76	147.35	3453.54	20.03	172.46	PASS
2417.00†	2415.53	-27.84	-11.95	2113.31	2106.37	3390.45	-540.69	147.30	3472.73	20.73	167.49	PASS
2517.00†	2514.20	-42.75	-18.35	2206.91	2199.28	3399.87	-534.30	147.32	3495.29	21.63	161.61	PASS
2617.00†	2612.24	-60.82	-26.10	2302.48	2294.04	3409.68	-526.71	147.36	3520.83	22.56	156.04	PASS
2717.00†	2709.54	-82.02	-35.20	2391.73	2382.47	3418.91	-518.95	147.37	3549.29	23.49	151.08	PASS
2817.00†	2805.97	-106.33	-45.63	2470.15	2460.10	3427.31	-511.69	147.34	3580.99	24.39	146.83	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-J-26HC AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HC AWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#02 STATE NORTH PLATTE F-J-26HC (433'FNL & 956'FWL,SEC.26)				Well: STATE NORTH PLATTE F-J-26HC				Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASH [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	10220.90	6502.91	-194.30	-239.49	171.93	3606.60	55.63	64.83	PASS
3017.00†	2995.77	-164.15	-70.45	10232.72	6502.74	-206.12	-239.55	172.94	3511.29	55.89	62.83	PASS
3117.00†	3088.91	-197.59	-84.80	10246.17	6502.61	-219.57	-239.60	173.76	3417.28	56.17	60.84	PASS
3151.91	3121.12	-209.97	-90.11	10251.26	6502.59	-224.66	-239.61	174.02	3384.80	56.26	60.16	PASS
3217.00†	3181.02	-233.37	-100.16	10261.04	6502.56	-234.44	-239.63	174.16	3324.47	56.46	58.89	PASS
3317.00†	3273.04	-269.34	-115.59	10353.68	6501.67	-327.07	-239.93	175.53	3231.54	57.69	56.02	PASS
3417.00†	3365.07	-305.30	-131.02	10373.12	6501.37	-346.51	-239.89	175.84	3138.46	58.06	54.06	PASS
3517.00†	3457.09	-341.26	-146.46	10393.57	6501.15	-366.96	-239.86	176.19	3045.60	58.45	52.10	PASS
3617.00†	3549.12	-377.22	-161.89	10418.98	6500.98	-392.37	-239.90	176.63	2952.93	58.92	50.12	PASS
3717.00†	3641.14	-413.19	-177.33	10449.55	6500.86	-422.94	-240.06	177.17	2860.42	59.46	48.11	PASS
3817.00†	3733.16	-449.15	-192.76	10485.38	6500.74	-458.76	-240.08	177.85	2767.99	60.06	46.08	PASS
3917.00†	3825.19	-485.11	-208.19	10520.73	6500.61	-494.11	-240.29	178.55	2675.63	60.68	44.10	PASS
4017.00†	3917.21	-521.07	-223.63	10556.53	6500.49	-529.91	-240.67	179.30	2583.34	61.31	42.14	PASS
4117.00†	4009.24	-557.04	-239.06	10638.46	6499.55	-611.84	-241.31	-178.79	2490.91	62.46	39.88	PASS
4217.00†	4101.26	-593.00	-254.49	10681.83	6498.47	-655.19	-241.86	-177.68	2398.05	63.19	37.95	PASS
4317.00†	4193.29	-628.96	-269.93	10714.21	6497.64	-687.55	-242.43	-176.79	2305.26	63.82	36.12	PASS
4417.00†	4285.31	-664.92	-285.36	10747.80	6496.81	-721.12	-243.07	-175.81	2212.61	64.49	34.31	PASS
4517.00†	4377.34	-700.89	-300.80	10780.84	6495.96	-754.15	-243.71	-174.78	2120.07	65.17	32.53	PASS
4617.00†	4469.36	-736.85	-316.23	10801.41	6495.53	-774.71	-244.20	-174.12	2027.80	65.76	30.83	PASS
4717.00†	4561.38	-772.81	-331.66	10827.37	6495.16	-800.65	-244.97	-173.24	1935.92	66.45	29.13	PASS
4817.00†	4653.41	-808.78	-347.10	10868.39	6494.56	-841.65	-246.27	-171.76	1844.21	67.33	27.39	PASS
4917.00†	4745.43	-844.74	-362.53	10906.62	6493.92	-879.84	-247.76	-170.28	1752.60	68.24	25.68	PASS
5017.00†	4837.46	-880.70	-377.97	10936.67	6493.45	-909.86	-249.07	-169.03	1661.26	69.15	24.03	PASS
5117.00†	4929.48	-916.66	-393.40	10971.60	6492.96	-944.75	-250.59	-167.46	1570.24	69.13	22.71	PASS
5217.00†	5021.51	-952.63	-408.83	10994.00	6492.65	-967.13	-251.57	-166.39	1479.60	71.27	20.76	PASS
5317.00†	5113.53	-988.59	-424.27	10994.00	6492.65	-967.13	-251.57	-166.39	1390.05	72.36	19.21	PASS
5417.00†	5205.55	-1024.55	-439.70	10994.00	6492.65	-967.13	-251.57	-166.39	1302.04	73.67	17.67	PASS
5517.00†	5297.58	-1060.51	-455.14	10994.00	6492.65	-967.13	-251.57	-166.39	1215.87	75.26	16.16	PASS
5617.00†	5389.60	-1096.48	-470.57	10994.00	6492.65	-967.13	-251.57	-166.39	1131.99	77.18	14.67	PASS
5717.00†	5481.63	-1132.44	-486.00	10994.00	6492.65	-967.13	-251.57	-166.39	1050.93	79.52	13.22	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F-J-26HC AWP Offset Wellpath: STATE NORTH PLATTE F-J-26HC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#02 STATE NORTH PLATTE F-J-26HC (433'FNL & 956'FWL,SEC.26)		Well: STATE NORTH PLATTE F-J-26HC		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	10994.00	6492.65	-967.13	-251.57	-166.39	973.40	82.36	11.82	PASS
5917.00†	5665.68	-1204.36	-516.87	10994.00	6492.65	-967.13	-251.57	-166.39	900.30	85.78	10.50	PASS
6017.00†	5757.70	-1240.33	-532.31	10994.00	6492.65	-967.13	-251.57	-166.39	832.83	89.86	9.27	PASS
6117.00†	5849.72	-1276.29	-547.74	10994.00	6492.65	-967.13	-251.57	-166.39	772.43	94.58	8.17	PASS
6215.13	5940.03	-1311.58	-562.89	10994.00	6492.65	-967.13	-251.57	-166.39	721.77	99.72	7.24	PASS
6217.00†	5941.75	-1312.26	-563.17	10994.00	6492.65	-967.13	-251.57	-166.27	720.90	99.82	7.22	PASS
6317.00†	6030.08	-1356.45	-577.97	10994.00	6492.65	-967.13	-251.57	-161.54	687.08	104.93	6.55	PASS
6392.00†	6090.62	-1399.45	-588.09	10994.00	6492.65	-967.13	-251.57	-159.06	679.54	108.05	6.29	PASS
6417.00†	6109.51	-1415.53	-591.24	10994.00	6492.65	-967.13	-251.57	-158.27	680.61	108.79	6.26	PASS
6436.22†	6123.54	-1428.44	-593.58	10994.00	6492.65	-967.13	-251.57	-157.65	682.65	109.25	6.25	PASS
6517.00†	6177.62	-1487.69	-602.58	10994.00	6492.65	-967.13	-251.57	-154.77	702.45	110.09	6.38	PASS
6617.00†	6232.34	-1570.74	-611.65	10994.00	6492.65	-967.13	-251.57	-150.06	749.51	108.98	6.88	PASS
6717.00†	6272.01	-1662.17	-618.16	10994.00	6492.65	-967.13	-251.57	-143.01	816.18	106.36	7.67	PASS
6817.00†	6295.42	-1759.18	-621.93	10994.00	6492.65	-967.13	-251.57	-131.88	896.33	103.14	8.69	PASS
6904.53	6302.00	-1846.38	-622.88	10994.00	6492.65	-967.13	-251.57	-117.08	973.29	100.32	9.70	PASS
6917.00†	6302.00	-1858.85	-622.86	10994.00	6492.65	-967.13	-251.57	-117.08	984.56	99.93	9.85	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE F-J-26HC AWP Offset Wellpath: STATE NORTH PLATTE F-J-26HC AWP			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE F-J-26HC AWP Offset Wellpath: STATE NORTH PLATTE F-J-26HC AWP			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment
12.00	10939.00	ISCVSA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL SURVEYS <79-10939>
10939.00	10994.00	Blind Drilling (std)	Projection to bit



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE F-J-26HC AWB Offset Wellpath: STATE NORTH PLATTE F-J-26HC AWP	
MD Reference: ENSIGN (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	12.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 11-36-1XRLNB AWB Offset Wellpath: STATE NORTH PLATTE 11-36-1XRLNB AWP

Facility: SEC.36-T5N-R63W		Slot: SLOT#04 STATE NORTH PLATTE 11-36-1XRLNB (330'FNL & 519'FWL,SEC.36)		Well: STATE NORTH PLATTE 11-36-1XRLNB		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	5.00	17.00	-1761.82	4145.60	113.03	4504.45	25.40	183.06	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE 11-36-1XRLNB AWB Offset Wellpath: STATE NORTH PLATTE 11-36-1XRLNB AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE 11-36-1XRLNB AWB Offset Wellpath: STATE NORTH PLATTE 11-36-1XRLNB 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	465.00	448.00	29.00	476.99	-1073.79	2527.25	-1073.64	2527.83
8.75in Open Hole	465.00	5647.00	5182.00	476.99	5628.52	-1073.64	2527.83	-1068.41	2412.06
7in Casing Intermediate	17.00	6547.00	6530.00	29.00	6303.33	-1073.79	2527.25	-1201.00	2409.04
6.125in Open Hole	6547.00	15767.00	9220.00	6303.33	6315.33	-1201.00	2409.04	-4010.31	2416.37

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE 11-36-1XRLNB AWB Offset Wellpath: STATE NORTH PLATTE 11-36-1XRLNB AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	6557.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 8.75" Hole <17'-6557'>	STATE NORTH PLATTE 11-36-1XRLNB AWB
6557.00	15710.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 6.125" Hole <6599'-15710'>	STATE NORTH PLATTE 11-36-1XRLNB AWB
15710.00	15767.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE 11-36-1XRLNB AWB



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE 11-36-1XRLNB AWB Offset Wellpath: STATE NORTH PLATTE 11-36-1XRLNB AWP	
MD Reference: RIG (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: LATHAM T44-P41-2HC AWB Offset Wellpath: LATHAM T44-P41-2HC AWP												
Facility: SEC.02-T4N-R63W			Slot: SLOT#05 LATHAM T44-P41-2HC (356°FSL & 2224°FEL, SEC.2)			Well: LATHAM T44-P41-2HC		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	11150.00	6478.68	-7112.41	2091.26	163.62	9834.28	98.27	100.74	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: LATHAM T44-P41-2HC AWB Offset Wellpath: LATHAM T44-P41-2HC AWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: LATHAM T44-P41-2HC AWB Offset Wellpath: LATHAM T44-P41-2HC 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]
13.5in Open Hole	170.00	800.00	630.00	205.00	834.99	-7061.42	550.03	-7060.86	549.91
9.625in Casing Surface	17.00	789.00	772.00	52.00	823.99	-7061.54	550.08	-7060.87	549.90
8.75in Open Hole	800.00	7143.00	6343.00	834.99	6479.61	-7060.86	549.91	-6919.57	909.93
7in Casing Intermediate	17.00	7143.00	7126.00	52.00	6479.61	-7061.54	550.08	-6919.57	909.93
6.125in Open Hole	7143.00	11150.00	4007.00	6479.61	6478.68	-6919.57	909.93	-5698.61	912.47

WELLPATH COMPOSITION - Offset Wellbore: LATHAM T44-P41-2HC AWB Offset Wellpath: LATHAM T44-P41-2HC AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	7103.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 8.75" Hole <17-7103>	LATHAM T44-P41-2HC AWB
7103.00	11094.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 6.125" Hole <7232'-11094>	LATHAM T44-P41-2HC AWB
11094.00	11150.00	Blind Drilling (std)	Projection to bit	LATHAM T44-P41-2HC AWB



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: LATHAM T44-P41-2HC AWB Offset Wellpath: LATHAM T44-P41-2HC AWP	
MD Reference: RIG (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F11-J14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE F11-J14-26HNC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#03 STATE NORTH PLATTE F11-J14-26HNC (417'FNL & 956'FWL, SEC.26)		Well: STATE NORTH PLATTE F11-J14-26HNC		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.37	18.37	3363.68	-572.29	-9.66	3412.02	1.44	5383.02	PASS
117.00†	117.00	0.00	0.00	127.37	133.37	3363.36	-572.54	-9.66	3411.78	2.17	2498.13	PASS
217.00†	217.00	0.00	0.00	233.64	239.63	3362.56	-573.23	-9.67	3411.15	3.20	1424.53	PASS
317.00†	317.00	0.00	0.00	331.35	337.34	3361.82	-573.87	-9.69	3410.51	4.22	996.96	PASS
417.00†	417.00	0.00	0.00	427.54	433.53	3361.21	-574.35	-9.70	3409.97	5.25	766.45	PASS
517.00†	517.00	0.00	0.00	533.04	539.02	3360.49	-574.99	-9.71	3409.40	6.33	616.19	PASS
617.00†	617.00	0.00	0.00	635.85	641.83	3359.61	-575.83	-9.73	3408.70	7.41	516.06	PASS
717.00†	717.00	0.00	0.00	721.22	727.19	3358.92	-576.51	-9.74	3408.05	8.38	449.75	PASS
817.00†	817.00	0.00	0.00	785.07	791.03	3359.05	-576.64	-9.74	3408.28	9.23	404.43	PASS
917.00†	917.00	0.00	0.00	888.08	894.04	3359.86	-576.30	-9.73	3409.01	10.22	361.98	PASS
1017.00†	1017.00	0.00	0.00	974.19	980.15	3360.69	-575.94	-9.73	3409.88	11.21	327.40	PASS
1117.00†	1117.00	0.00	0.00	1063.73	1069.68	3361.83	-575.84	-9.72	3411.12	12.19	299.42	PASS
1217.00†	1217.00	0.00	0.00	1168.32	1174.26	3363.10	-575.86	-9.72	3412.31	13.25	273.98	PASS
1317.00†	1317.00	0.00	0.00	1225.76	1231.70	3364.22	-575.68	-9.71	3414.19	14.07	257.23	PASS
1417.00†	1417.00	0.00	0.00	1281.99	1287.89	3366.06	-575.36	-9.70	3417.32	14.88	242.63	PASS
1517.00†	1517.00	0.00	0.00	1337.45	1343.29	3368.63	-574.91	-9.69	3421.74	15.69	229.79	PASS
1617.00†	1617.00	0.00	0.00	1398.02	1403.74	3372.23	-574.13	-9.66	3427.39	15.46	221.69	PASS
1717.00†	1717.00	0.00	0.00	1462.49	1468.04	3376.87	-572.91	-9.63	3434.16	15.82	217.06	PASS
1817.00†	1817.00	0.00	0.00	1531.02	1536.33	3382.46	-571.47	-9.59	3441.86	16.24	211.97	PASS
1917.00†	1917.00	0.00	0.00	1602.86	1607.86	3388.95	-570.08	-9.55	3450.44	16.70	206.56	PASS
2000.00	2000.00	0.00	0.00	1664.07	1668.78	3394.79	-569.50	-9.52	3458.13	17.13	201.93	PASS
2017.00†	2017.00	-0.05	-0.02	1676.60	1681.25	3396.03	-569.46	147.24	3459.81	17.21	200.99	PASS
2117.00†	2116.97	-2.20	-0.94	1767.16	1771.36	3405.06	-569.55	147.15	3471.62	17.88	194.12	PASS
2217.00†	2216.79	-7.55	-3.24	1855.64	1859.38	3414.03	-569.95	147.05	3486.56	18.66	186.84	PASS
2317.00†	2316.35	-16.10	-6.91	1939.83	1943.10	3422.93	-570.00	146.94	3504.76	19.44	180.32	PASS
2417.00†	2415.53	-27.84	-11.95	2007.89	2010.73	3430.61	-569.70	146.81	3526.45	20.14	175.06	PASS
2517.00†	2514.20	-42.75	-18.35	2079.79	2082.09	3439.38	-569.02	146.66	3551.79	20.90	169.97	PASS
2617.00†	2612.24	-60.82	-26.10	2175.00	2176.55	3451.26	-567.96	146.56	3580.25	21.81	164.16	PASS
2717.00†	2709.54	-82.02	-35.20	2232.82	2233.89	3458.69	-567.32	146.34	3611.93	22.53	160.31	PASS
2817.00†	2805.97	-106.33	-45.63	10186.32	6401.94	-184.30	-589.13	147.55	3637.65	56.82	64.02	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F11-J14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE F11-J14-26HNC AWP												
Facility: SEC.26-T5N-R63W				Slot: SLOT#03 STATE NORTH PLATTE F11-J14-26HNC (417'FNL & 956'FWL, SEC.26)				Well: STATE NORTH PLATTE F11-J14-26HNC				Threshold Value=1.00 † = interpolated/extrapolated station
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	10191.39	6401.84	-189.37	-589.22	151.33	3541.02	57.04	62.08	PASS
3017.00†	2995.77	-164.15	-70.45	10197.33	6401.75	-195.30	-589.32	154.30	3445.41	57.28	60.15	PASS
3117.00†	3088.91	-197.59	-84.80	10204.16	6401.69	-202.14	-589.44	156.67	3351.00	57.53	58.25	PASS
3151.91	3121.12	-209.97	-90.11	10206.77	6401.69	-204.75	-589.49	157.39	3318.36	57.61	57.60	PASS
3217.00†	3181.02	-233.37	-100.16	10211.82	6401.69	-209.79	-589.58	157.40	3257.74	57.78	56.38	PASS
3317.00†	3273.04	-269.34	-115.59	10219.86	6401.77	-217.84	-589.72	157.41	3164.87	58.07	54.50	PASS
3417.00†	3365.07	-305.30	-131.02	10236.27	6402.07	-234.24	-589.91	157.43	3072.29	58.47	52.54	PASS
3517.00†	3457.09	-341.26	-146.46	10253.35	6402.53	-251.31	-589.90	157.47	2979.99	58.89	50.60	PASS
3617.00†	3549.12	-377.22	-161.89	10378.43	6404.95	-376.34	-587.58	157.89	2887.39	60.61	47.64	PASS
3717.00†	3641.14	-413.19	-177.33	10409.30	6405.00	-407.21	-587.22	158.00	2794.10	61.21	45.65	PASS
3817.00†	3733.16	-449.15	-192.76	10432.73	6405.14	-430.64	-586.98	158.08	2700.97	61.73	43.75	PASS
3917.00†	3825.19	-485.11	-208.19	10451.15	6405.36	-449.06	-586.82	158.14	2608.05	62.20	41.93	PASS
4017.00†	3917.21	-521.07	-223.63	10469.93	6405.70	-467.83	-586.72	158.21	2515.40	62.69	40.12	PASS
4117.00†	4009.24	-557.04	-239.06	10492.51	6406.27	-490.40	-586.73	158.29	2423.03	63.23	38.32	PASS
4217.00†	4101.26	-593.00	-254.49	10517.59	6407.00	-515.47	-587.01	158.36	2330.88	63.82	36.52	PASS
4317.00†	4193.29	-628.96	-269.93	10720.95	6403.72	-718.45	-597.39	158.39	2236.35	66.46	33.65	PASS
4417.00†	4285.31	-664.92	-285.36	10744.52	6402.66	-741.98	-598.37	158.40	2141.75	67.02	31.96	PASS
4517.00†	4377.34	-700.89	-300.80	10766.25	6401.83	-763.68	-599.02	158.44	2047.31	67.58	30.30	PASS
4617.00†	4469.36	-736.85	-316.23	10792.15	6401.02	-789.56	-599.51	158.51	1953.03	68.17	28.65	PASS
4717.00†	4561.38	-772.81	-331.66	10819.71	6400.26	-817.10	-599.80	158.62	1858.85	68.79	27.02	PASS
4817.00†	4653.41	-808.78	-347.10	10835.74	6399.93	-833.14	-599.94	158.70	1764.90	69.31	25.46	PASS
4917.00†	4745.43	-844.74	-362.53	10852.70	6399.76	-850.09	-600.13	158.77	1671.31	69.86	23.92	PASS
5017.00†	4837.46	-880.70	-377.97	10885.82	6399.70	-883.21	-600.54	158.94	1578.02	70.55	22.37	PASS
5117.00†	4929.48	-916.66	-393.40	10936.14	6399.29	-933.53	-600.87	159.25	1484.47	71.40	20.79	PASS
5217.00†	5021.51	-952.63	-408.83	10971.06	6398.86	-968.44	-601.06	159.51	1390.79	72.06	19.30	PASS
5317.00†	5113.53	-988.59	-424.27	10974.00	6398.83	-971.38	-601.07	159.53	1297.51	72.63	17.87	PASS
5417.00†	5205.55	-1024.55	-439.70	10974.00	6398.83	-971.38	-601.07	159.53	1205.31	73.25	16.45	PASS
5517.00†	5297.58	-1060.51	-455.14	10974.00	6398.83	-971.38	-601.07	159.53	1114.44	73.94	15.07	PASS
5617.00†	5389.60	-1096.48	-470.57	10974.00	6398.83	-971.38	-601.07	159.53	1025.28	74.72	13.72	PASS
5717.00†	5481.63	-1132.44	-486.00	10974.00	6398.83	-971.38	-601.07	159.53	938.31	75.57	12.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE F11-J14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE F11-J14-26HNC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#03 STATE NORTH PLATTE F11-J14-26HNC (417'FNL & 956'FWL, SEC.26)		Well: STATE NORTH PLATTE F11-J14-26HNC		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5817.00†	5573.65	-1168.40	-501.44	10974.00	6398.83	-971.38	-601.07	159.53	854.20	76.51	11.16	PASS
5917.00†	5665.68	-1204.36	-516.87	10974.00	6398.83	-971.38	-601.07	159.53	773.87	77.50	9.99	PASS
6017.00†	5757.70	-1240.33	-532.31	10974.00	6398.83	-971.38	-601.07	159.53	698.64	78.50	8.90	PASS
6117.00†	5849.72	-1276.29	-547.74	10974.00	6398.83	-971.38	-601.07	159.53	630.34	79.37	7.94	PASS
6215.13	5940.03	-1311.58	-562.89	10974.00	6398.83	-971.38	-601.07	159.53	572.44	79.92	7.16	PASS
6217.00†	5941.75	-1312.26	-563.17	10974.00	6398.83	-971.38	-601.07	159.70	571.45	79.93	7.15	PASS
6317.00†	6030.08	-1356.45	-577.97	10974.00	6398.83	-971.38	-601.07	166.32	533.65	80.24	6.65	PASS
6377.00†	6078.97	-1390.21	-586.14	10974.00	6398.83	-971.38	-601.07	168.71	527.21	80.62	6.54	PASS
6383.62†	6084.14	-1394.25	-587.01	10974.00	6398.83	-971.38	-601.07	168.93	527.30	80.64	6.54	PASS
6417.00†	6109.51	-1415.53	-591.24	10974.00	6398.83	-971.38	-601.07	169.95	530.15	80.74	6.57	PASS
6517.00†	6177.62	-1487.69	-602.58	10974.00	6398.83	-971.38	-601.07	172.35	561.70	80.69	6.96	PASS
6617.00†	6232.34	-1570.74	-611.65	10974.00	6398.83	-971.38	-601.07	174.32	622.14	80.43	7.73	PASS
6717.00†	6272.01	-1662.17	-618.16	10974.00	6398.83	-971.38	-601.07	176.53	702.54	80.19	8.76	PASS
6817.00†	6295.42	-1759.18	-621.93	10974.00	6398.83	-971.38	-601.07	-179.44	794.83	80.02	9.93	PASS
6904.53	6302.00	-1846.38	-622.88	10974.00	6398.83	-971.38	-601.07	-166.42	880.61	79.95	11.01	PASS
6917.00†	6302.00	-1858.85	-622.86	10974.00	6398.83	-971.38	-601.07	-166.42	892.99	79.95	11.17	PASS
7017.00†	6302.00	-1958.84	-622.68	10974.00	6398.83	-971.38	-601.07	-166.42	992.43	79.91	12.42	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE F11-J14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE F11-J14-26HNC AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE F11-J14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE F11-J14-26HNC AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	10919.00	ISCWSA MWD, Rev. 4 (Standard)	ENSIGN DIRECTIONAL SURVEYS <76-10919>	STATE NORTH PLATTE F11-J14-26HNC AWB
10919.00	10974.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE F11-J14-26HNC AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE F11-J14-26HNC AWB Offset Wellpath: STATE NORTH PLATTE F11-J14-26HNC AWP	
MD Reference: ENSIGN (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE P-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE P-35-2MRLNB (REV-A.0) PWP

Facility: SEC.26-T5N-R63W		Slot: SLOT#30 NORTH PLATTE P-35-2MRLNB		Well: NORTH PLATTE P-35-2MRLNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-860.11	1086.24	128.37	1385.54	1.10	4615.79	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE P-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE P-35-2MRLNB (REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE P-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE P-35-2MRLNB (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1555.00	-524.31	662.19	-524.31	662.19

SURVEY PROGRAM - Offset Wellbore: NORTH PLATTE P-35-2MRLNB (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		NORTH PLATTE P-35-2MRLNB PWB
1550.00	11599.07	BHI AutoTrak Curve (Axial Corr, Short spacing)		NORTH PLATTE P-35-2MRLNB PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE P-35-2MRLNB PWB Offset Wellpath: NORTH PLATTE P-35-2MRLNB (REV-A.0) PWP

MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



Clearance Report

STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Ex.LATHAM 44-41-2HNB PWB Offset Wellpath: Ex.LATHAM 44-41-2HNB AWP												
Facility: SEC.02-T4N-R63W				Slot: SLOT#01 Ex.LATHAM 44-41-2HNB (282°FSL & 2149°FEL,SEC.2)		Well: Ex.LATHAM 44-41-2HNB		Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	10983.00	6300.93	-7071.96	2406.02	161.21	9761.63	91.86	107.19	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: Ex.LATHAM 44-41-2HNB PWB Offset Wellpath: Ex.LATHAM 44-41-2HNB AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: Ex.LATHAM 44-41-2HNB PWB Offset Wellpath: Ex.LATHAM 44-41-2HNB 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	12.00	752.80	740.80	46.00	783.55	-7085.96	595.98	-7089.23	611.63
7in Casing Intermediate	12.00	6842.50	6830.50	46.00	6286.86	-7085.96	595.98	-6960.02	1045.32

WELLPATH COMPOSITION - Offset Wellbore: Ex.LATHAM 44-41-2HNB PWB Offset Wellpath: Ex.LATHAM 44-41-2HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
12.00	6893.00	ISCWSA MWD, Rev. 3 (Standard)	Ensign Directional MWD <77'-6893'>	Ex.LATHAM 44-41-2HNB PWB
6893.00	10928.00	ISCWSA MWD, Rev. 3 (Standard)	Ensign Directional MWD <6935'-10928'>	Ex.LATHAM 44-41-2HNB PWB
10928.00	10983.00	Blind Drilling (std)	Projection to bit	Ex.LATHAM 44-41-2HNB PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: Ex.LATHAM 44-41-2HNB PWB Offset Wellpath: Ex.LATHAM 44-41-2HNB AWP	
MD Reference: Rig on SLOT#01 Ex.LATHAM 44-41-2HNB (282°FSL & 2149°FEL,SEC.2) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	12.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: 70 RANCH USX BB #35-02 AWB Offset Wellpath: 70 RANCH USX BB #35-02 AWP												
Facility: SEC.35-T05N-R63W				Slot: SLOT#02 EX 70 RANCH USX BB #35-02 (563'FNL & 1780'FWL, SEC.35, 6676, SI)			Well: 70 RANCH USX BB #35-02		Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	-8.00	17.00	-1998.90	1842.07	137.34	2718.24	25.40	110.46	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: 70 RANCH USX BB #35-02 AWB Offset Wellpath: 70 RANCH USX BB #35-02 AWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

WELLPATH COMPOSITION - Offset Wellbore: 70 RANCH USX BB #35-02 AWB Offset Wellpath: 70 RANCH USX BB #35-02 AWP			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Wellbore
0.00	6676.00	Drift Indicator - Inclination Only (Actual Survey)	70 RANCH USX BB #35-02 AWB
		Log Name/Comment	ASSUMED VERTICAL <6676>

OFFSET WELLPATH REFERENCE - Offset Wellbore: 70 RANCH USX BB #35-02 AWB Offset Wellpath: 70 RANCH USX BB #35-02 AWP	
MD Reference: Rig on SLOT#02 EX 70 RANCH USX BB #35-02 (563'FNL & 1780'FWL, SEC.35, 6676, SI) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#07 STATE NORTH PLATTE 24-21-26HNB (499'FSL & 2382'FEL, SEC.26)		Well: STATE NORTH PLATTE 24-21-26HNB		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-942.44	1258.47	126.83	1572.24	1.10	5238.11	PASS
117.00†	117.00	0.00	0.00	110.12	115.12	-942.57	1258.44	126.83	1572.29	2.04	1268.88	PASS
217.00†	217.00	0.00	0.00	209.20	214.20	-942.94	1258.36	126.85	1572.45	2.98	720.48	PASS
317.00†	317.00	0.00	0.00	308.44	313.43	-943.58	1258.12	126.87	1572.65	4.01	489.74	PASS
417.00†	417.00	0.00	0.00	409.84	414.83	-944.50	1257.68	126.91	1572.85	5.07	368.53	PASS
517.00†	517.00	0.00	0.00	509.51	514.50	-945.09	1257.42	126.93	1572.99	5.80	308.12	PASS
617.00†	617.00	0.00	0.00	609.30	614.29	-945.57	1257.28	126.95	1573.17	6.59	266.49	PASS
717.00†	717.00	0.00	0.00	719.09	724.07	-945.85	1257.05	126.96	1573.17	7.31	237.59	PASS
817.00†	817.00	0.00	0.00	837.05	842.00	-947.02	1254.43	127.05	1571.97	8.27	207.29	PASS
917.00†	917.00	0.00	0.00	944.98	949.82	-949.35	1250.20	127.21	1570.14	9.13	186.00	PASS
1017.00†	1017.00	0.00	0.00	1052.93	1057.63	-951.69	1245.23	127.39	1567.79	10.06	167.23	PASS
1117.00†	1117.00	0.00	0.00	1143.03	1147.59	-954.04	1240.80	127.56	1565.48	10.97	152.28	PASS
1217.00†	1217.00	0.00	0.00	1309.71	1313.78	-957.99	1229.08	127.93	1561.33	12.50	132.18	PASS
1317.00†	1317.00	0.00	0.00	1421.51	1424.59	-963.37	1215.31	128.40	1554.55	13.62	120.18	PASS
1417.00†	1417.00	0.00	0.00	1529.18	1530.75	-971.32	1199.23	129.01	1547.43	14.80	109.64	PASS
1517.00†	1517.00	0.00	0.00	1613.21	1613.08	-979.97	1184.86	129.59	1540.61	15.87	101.45	PASS
1617.00†	1617.00	0.00	0.00	1772.87	1768.46	-998.36	1153.15	130.89	1532.78	16.96	91.96	PASS
1717.00†	1717.00	0.00	0.00	1869.58	1862.16	-1008.47	1131.44	131.71	1522.58	17.84	86.75	PASS
1817.00†	1817.00	0.00	0.00	1948.36	1938.28	-1018.23	1113.64	132.44	1513.83	18.60	82.65	PASS
1917.00†	1917.00	0.00	0.00	2031.12	2018.35	-1028.95	1095.69	133.20	1506.50	19.44	78.68	PASS
2000.00	2000.00	0.00	0.00	2102.87	2087.69	-1038.96	1080.18	133.89	1501.30	20.19	75.45	PASS
2017.00†	2017.00	-0.05	-0.02	2118.17	2102.46	-1041.17	1076.86	-69.21	1500.31	20.35	74.78	PASS
2117.00†	2116.97	-2.20	-0.94	2208.12	2189.23	-1054.56	1057.31	-68.51	1494.19	21.33	71.02	PASS
2217.00†	2216.79	-7.55	-3.24	2317.71	2295.16	-1070.54	1034.20	-67.80	1487.41	22.59	66.70	PASS
2317.00†	2316.35	-16.10	-6.91	2428.51	2402.22	-1085.24	1009.78	-67.25	1477.86	23.89	62.60	PASS
2417.00†	2415.53	-27.84	-11.95	2505.84	2477.17	-1095.22	993.55	-67.06	1467.69	24.93	59.56	PASS
2517.00†	2514.20	-42.75	-18.35	2623.69	2590.60	-1113.46	967.36	-66.71	1457.35	26.48	55.64	PASS
2617.00†	2612.24	-60.82	-26.10	2762.98	2723.24	-1135.34	930.90	-66.30	1443.18	28.39	51.35	PASS
2717.00†	2709.54	-82.02	-35.20	2896.40	2851.80	-1148.20	897.71	-66.43	1423.83	30.12	47.73	PASS
2817.00†	2805.97	-106.33	-45.63	2973.13	2926.09	-1154.67	879.66	-66.85	1403.43	31.42	45.08	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 24-21-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#07 STATE NORTH PLATTE 24-21-26HNB (499'FSL & 2382'FEL, SEC.26)		Well: STATE NORTH PLATTE 24-21-26HNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2917.00†	2901.42	-133.72	-57.39	3051.94	3002.34	-1162.84	861.48	-67.34	1383.32	32.79	42.56	PASS
3017.00†	2995.77	-164.15	-70.45	3139.45	3087.53	-1171.26	843.28	-68.07	1362.93	34.29	40.08	PASS
3117.00†	3088.91	-197.59	-84.80	3252.05	3196.94	-1182.72	819.31	-69.07	1341.48	36.09	37.47	PASS
3151.91	3121.12	-209.97	-90.11	3295.34	3238.91	-1186.83	809.52	-69.49	1333.22	36.77	36.54	PASS
3217.00†	3181.02	-233.37	-100.16	3352.10	3293.99	-1192.04	796.83	-69.86	1317.72	37.86	35.07	PASS
3317.00†	3273.04	-269.34	-115.59	3431.29	3371.03	-1199.26	780.01	-70.43	1294.78	39.51	33.01	PASS
3417.00†	3365.07	-305.30	-131.02	3543.44	3480.37	-1209.75	757.39	-71.29	1273.03	41.45	30.92	PASS
3517.00†	3457.09	-341.26	-146.46	3661.84	3594.99	-1220.36	729.73	-72.13	1248.81	43.53	28.87	PASS
3617.00†	3549.12	-377.22	-161.89	3751.44	3681.28	-1229.40	707.34	-72.70	1224.43	45.46	27.10	PASS
3717.00†	3641.14	-413.19	-177.33	3848.12	3774.53	-1239.09	683.69	-73.36	1200.53	47.44	25.46	PASS
3817.00†	3733.16	-449.15	-192.76	3937.68	3861.11	-1247.54	662.46	-74.05	1176.95	49.37	23.97	PASS
3917.00†	3825.19	-485.11	-208.19	4015.66	3936.62	-1255.34	644.59	-74.66	1154.52	51.26	22.65	PASS
4017.00†	3917.21	-521.07	-223.63	4091.55	4010.07	-1264.37	627.78	-75.25	1134.03	53.17	21.44	PASS
4117.00†	4009.24	-557.04	-239.06	4175.20	4090.77	-1276.46	609.40	-75.83	1115.39	55.18	20.32	PASS
4217.00†	4101.26	-593.00	-254.49	4276.01	4187.32	-1293.18	585.72	-76.41	1097.10	57.39	19.21	PASS
4317.00†	4193.29	-628.96	-269.93	4375.28	4282.31	-1309.74	562.12	-76.98	1078.74	59.59	18.19	PASS
4417.00†	4285.31	-664.92	-285.36	4486.77	4389.87	-1325.34	537.28	-77.84	1060.10	61.81	17.23	PASS
4517.00†	4377.34	-700.89	-300.80	4587.06	4487.04	-1336.59	515.19	-78.78	1040.19	63.88	16.35	PASS
4617.00†	4469.36	-736.85	-316.23	4675.25	4572.92	-1345.44	497.19	-79.73	1021.15	65.84	15.57	PASS
4717.00†	4561.38	-772.81	-331.66	4766.85	4662.40	-1354.13	479.65	-80.82	1003.18	67.77	14.86	PASS
4817.00†	4653.41	-808.78	-347.10	4860.67	4754.17	-1362.78	462.14	-81.99	985.87	69.68	14.20	PASS
4917.00†	4745.43	-844.74	-362.53	4948.37	4840.21	-1370.00	446.78	-83.20	969.47	71.51	13.61	PASS
5017.00†	4837.46	-880.70	-377.97	5030.30	4920.97	-1375.80	434.22	-84.47	954.86	73.24	13.09	PASS
5117.00†	4929.48	-916.66	-393.40	5112.79	5002.56	-1381.09	423.35	-85.85	942.40	74.88	12.63	PASS
5217.00†	5021.51	-952.63	-408.83	5202.67	5091.67	-1386.11	412.77	-87.47	931.59	76.48	12.22	PASS
5317.00†	5113.53	-988.59	-424.27	5287.68	5176.10	-1390.39	403.80	-89.08	922.53	77.97	11.87	PASS
5417.00†	5205.55	-1024.55	-439.70	5369.35	5257.32	-1394.56	396.29	-90.67	915.68	79.37	11.58	PASS
5517.00†	5297.58	-1060.51	-455.14	5450.27	5337.91	-1398.45	390.22	-92.32	911.29	80.67	11.33	PASS
5617.00†	5389.60	-1096.48	-470.57	5537.09	5424.54	-1401.55	385.36	-94.18	909.34	81.89	11.14	PASS
5678.87†	5446.54	-1118.73	-480.12	5591.73	5479.07	-1403.61	382.46	-95.36	908.99	82.61	11.04	PASS

C-C Clearance Distance Cutoff: 1000.00 ft



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 24-21-26HNB AWP												
Facility: SEC.26-T5N-R63W Slot: SLOT#07 STATE NORTH PLATTE 24-21-26HNB (499'FSL & 2382'FEL, SEC.26) Well: STATE NORTH PLATTE 24-21-26HNB Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
5717.00†	5481.63	-1132.44	-486.00	5625.15	5512.43	-1404.70	380.87	-96.09	909.14	83.03	10.98	PASS
5817.00†	5573.65	-1168.40	-501.44	5709.81	5597.00	-1406.48	377.71	-98.01	911.11	84.03	10.88	PASS
5917.00†	5665.68	-1204.36	-516.87	5794.11	5681.28	-1407.04	375.73	-100.00	915.46	84.91	10.82	PASS
6017.00†	5757.70	-1240.33	-532.31	5904.98	5792.09	-1405.56	374.04	-102.72	921.93	85.81	10.78	PASS
6020.81†	5761.21	-1241.70	-532.89	5915.00	5802.06	-1404.57	373.81	-103.01	922.12	85.85	10.77	PASS
6117.00†	5849.72	-1276.29	-547.74	5995.39	5881.15	-1390.55	372.61	-105.66	927.95	86.04	10.82	PASS
6215.13	5940.03	-1311.58	-562.89	6070.70	5952.71	-1367.36	372.87	-108.64	937.50	85.72	10.97	PASS
6217.00†	5941.75	-1312.26	-563.17	6071.84	5953.75	-1366.93	372.88	-108.48	937.72	85.71	10.98	PASS
6317.00†	6030.08	-1356.45	-577.97	6125.64	6002.38	-1343.94	373.80	-102.67	952.26	85.06	11.23	PASS
6417.00†	6109.51	-1415.53	-591.24	6159.48	6031.78	-1327.20	374.44	-98.79	972.82	84.27	11.58	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 24-21-26HNB AWP			
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical 1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical 3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNB AWP Offset Wellpath: STATE NORTH PLATTE 24-21-26HNB 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]
13.5in Open Hole	17.00	421.00	404.00	22.00	425.99	-574.49	767.17	-575.14	766.93
9.625in Casing Surface	17.00	476.00	459.00	22.00	480.99	-574.49	767.17	-575.24	766.88
8.75in Open Hole	421.00	6817.00	6396.00	425.99	6308.91	-575.14	766.93	-520.60	498.93
7in Casing Intermediate	17.00	6811.00	6794.00	22.00	6309.06	-574.49	767.17	-522.42	498.87
6.125in Open Hole	6774.00	10876.00	4102.00	6310.13	6341.28	-533.69	498.56	716.08	511.91



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STATE NORTH PLATTE F11-35-2XRLNB (REV-A.1) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	421.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 13.5" Hole <17'-421'>	STATE NORTH PLATTE 24-21-26HNB AWB
421.00	6774.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 8.75" Hole <600'-6774'>	STATE NORTH PLATTE 24-21-26HNB AWB
6774.00	10821.00	BHI NaviTrak (Axial)	BHI/Navitrak 6.125" Hole <6898'-10821'>	STATE NORTH PLATTE 24-21-26HNB AWB
10821.00	10876.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE 24-21-26HNB AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNB AWP	
MD Reference: CADE 22 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: 70 RANCH USX BB #35-08 AWB Offset Wellpath: 70 RANCH USX BB #35-08 AWP												
Facility: SEC.35-T05N-R63W				Slot: SLOT#04 EX 70 RANCH USX BB #35-08 (1980'FNL & 660'FEL, SEC.35, 6676, SI)				Well: 70 RANCH USX BB #35-08		Threshold Value=1.00 † = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	-8.00	17.00	-3415.96	2944.14	139.24	4509.63	25.40	183.27	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: 70 RANCH USX BB #35-08 AWB Offset Wellpath: 70 RANCH USX BB #35-08 AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

WELLPATH COMPOSITION - Offset Wellbore: 70 RANCH USX BB #35-08 AWB Offset Wellpath: 70 RANCH USX BB #35-08 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6676.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <6676>	70 RANCH USX BB #35-08 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: 70 RANCH USX BB #35-08 AWB Offset Wellpath: 70 RANCH USX BB #35-08 AWP	
MD Reference: Rig on SLOT#04 EX 70 RANCH USX BB #35-08 (1980'FNL & 660'FEL, SEC.35, 6676, SI) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNC AWP

Facility: SEC.26-T5N-R63W		Slot: SLOT#09 STATE NORTH PLATTE 24-21-26HNC (539'FSL & 2383'FEL, SEC.26)		Well: STATE NORTH PLATTE 24-21-26HNC		Threshold Value=1.00		† = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-902.36	1258.46	125.64	1548.54	1.10	5159.14	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNC AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNC 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]
13.5in Open Hole	17.00	412.00	395.00	22.00	416.99	-550.06	767.17	-550.79	766.62
9.625in Casing Surface	17.00	467.00	450.00	22.00	471.98	-550.06	767.17	-550.76	766.47
8.75in Open Hole	467.00	6865.00	6398.00	471.98	6392.07	-550.76	766.47	-519.36	552.26
7in Casing Intermediate	17.00	6859.00	6842.00	22.00	6391.98	-550.06	767.17	-521.18	552.26
6.125in Open Hole	6859.00	10965.00	4106.00	6391.98	6404.47	-521.18	552.26	729.50	566.34

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNC AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6818.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 8.75" Hole <17'-6818'>	STATE NORTH PLATTE 24-21-26HNC AWB
6818.00	10911.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 6.125" Hole <6895'-109011'>	STATE NORTH PLATTE 24-21-26HNC AWB
10911.00	10965.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE 24-21-26HNC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE 24-21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE 24-21-26HNC AWP	
MD Reference: CADE 22 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE K-35-36MRLNB PWB Offset Wellpath: STATE NORTH PLATTE K-35-36MRLNB (REV-A.0) PWP

Facility: SEC.26-T5N-R63W Slot: SLOT#26 STATE NORTH PLATTE K-35-36MRLNB Well: STATE NORTH PLATTE K-35-36MRLNB Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-899.82	1086.25	129.64	1410.54	1.10	4699.11	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE K-35-36MRLNB PWB Offset Wellpath: STATE NORTH PLATTE K-35-36MRLNB (REV-A.0) PWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE K-35-36MRLNB PWB Offset Wellpath: STATE NORTH PLATTE K-35-36MRLNB (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]
9.625in Casing Surface	17.00	1550.00	1533.00	22.00	1551.64	-548.52	662.19	-569.80	649.90

SURVEY PROGRAM - Offset Wellbore: STATE NORTH PLATTE K-35-36MRLNB (REV-A.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1550.00	BHI NaviTrak (Rotating+Axial Corr)		STATE NORTH PLATTE K-35-36MRLNB PWB
1550.00	14099.23	BHI AutoTrak Curve (Axial Corr, Short spacing)		STATE NORTH PLATTE K-35-36MRLNB PWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE K-35-36MRLNB PWB Offset Wellpath: STATE NORTH PLATTE K-35-36MRLNB (REV-A.0) PWP

MD Reference: RIG (4550'GL + 17'RKB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: 70 RANCH USX BB #35-01P AWB Offset Wellpath: 70 RANCH USX BB #35-01P AWP												
Facility: SEC.35-T05N-R63W				Slot: SLOT#03 EX 70 RANCH USX BB #35-01P (789°FNL & 642°FEL, SEC.35, 6670, SI)				Well: 70 RANCH USX BB #35-01P		Threshold Value=1.00 † = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	-5.00	17.00	-2221.02	2975.21	126.74	3712.79	25.40	150.88	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: 70 RANCH USX BB #35-01P AWB Offset Wellpath: 70 RANCH USX BB #35-01P AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

WELLPATH COMPOSITION - Offset Wellbore: 70 RANCH USX BB #35-01P AWB Offset Wellpath: 70 RANCH USX BB #35-01P AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6670.00	Drift Indicator - Inclination Only (Actual Survey)	ASSUMED VERTICAL <6670>	70 RANCH USX BB #35-01P AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: 70 RANCH USX BB #35-01P AWB Offset Wellpath: 70 RANCH USX BB #35-01P AWP	
MD Reference: Rig on SLOT#03 EX 70 RANCH USX BB #35-01P (789°FNL & 642°FEL, SEC.35, 6670, SI) (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE 024-K21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 024-K21-26HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#08 STATE NORTH PLATTE 024-K21-26HNB (519'FSL & 2382'FEL,SEC.26)			Well: STATE NORTH PLATTE 024-K21-26HNB			Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-920.58	1258.46	126.19	1559.23	1.26	5194.22	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE 024-K21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 024-K21-26HNB AWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE 024-K21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 024-K21-26HNB 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]
13.5in Open Hole	0.00	437.00	437.00	5.00	442.00	-561.17	767.17	-561.34	766.68
9.625in Casing Intermediate	17.00	437.00	420.00	22.00	442.00	-561.17	767.17	-561.34	766.68
8.5in Open Hole	437.00	6731.00	6294.00	442.00	6317.77	-561.34	766.68	-528.56	597.79
7in Casing	17.00	6731.00	6714.00	22.00	6317.77	-561.17	767.17	-528.56	597.79
6.125in Open Hole	6731.00	10830.00	4099.00	6317.77	6335.27	-528.56	597.79	720.21	612.57

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE 024-K21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 024-K21-26HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6731.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 8.75" Hole <17'-6731>	STATE NORTH PLATTE 024-K21-26HNB AWB
6731.00	10776.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 6.125" Hole <6802'-10776>	STATE NORTH PLATTE 024-K21-26HNB AWB
10776.00	10830.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE 024-K21-26HNB AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE 024-K21-26HNB AWB Offset Wellpath: STATE NORTH PLATTE 024-K21-26HNB AWP	
MD Reference: CADE 22 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE O24-K21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE O24-K21-26HNC AWP

Facility: SEC.26-T5N-R63W		Slot: SLOT#10 STATE NORTH PLATTE O24-K21-26HNC (559'FSL & 2383'FEL,SEC.26)		Well: STATE NORTH PLATTE O24-K21-26HNC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	12.00	17.00	-880.51	1258.46	124.98	1535.91	1.26	5116.48	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE O24-K21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE O24-K21-26HNC AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE O24-K21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE O24-K21-26HNC 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]
13.5in Open Hole	0.00	523.00	523.00	5.00	527.97	-536.74	767.17	-536.90	765.67
9.625in Casing Surface	17.00	523.00	506.00	22.00	527.97	-536.74	767.17	-536.90	765.67
8.75in Open Hole	525.00	6835.00	6310.00	529.97	6386.09	-536.90	765.66	-508.62	652.13
7in Casing Intermediate	17.00	6829.00	6812.00	22.00	6386.35	-536.74	767.17	-510.45	652.07
6.125in Open Hole	6829.00	10910.00	4081.00	6386.35	6389.42	-510.45	652.07	732.89	667.70

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE O24-K21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE O24-K21-26HNC AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6793.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD <17'-6793'>	STATE NORTH PLATTE O24-K21-26HNC AWB
6793.00	10856.00	BHI NaviTrak (Axial)	BHI/Navitrak MWD 6.125" HOLE <6908'-10856'>	STATE NORTH PLATTE O24-K21-26HNC AWB
10856.00	10910.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE O24-K21-26HNC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE O24-K21-26HNC AWB Offset Wellpath: STATE NORTH PLATTE O24-K21-26HNC AWP	
MD Reference: CADE 22 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE O-K-26HNB AWP Offset Wellpath: STATE NORTH PLATTE O-K-26HNB AWP

Facility: SEC.26-T5N-R63W		Slot: SLOT#06 STATE NORTH PLATTE O-K-26HNB (479°FSL & 2382°FEL, SEC.26)		Well: STATE NORTH PLATTE O-K-26HNB		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	11.00	17.00	-960.65	1258.47	127.36	1583.22	1.10	5274.73	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE O-K-26HNB AWP Offset Wellpath: STATE NORTH PLATTE O-K-26HNB AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: STATE NORTH PLATTE O-K-26HNB AWP Offset Wellpath: STATE NORTH PLATTE O-K-26HNB 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]
13.5in Open Hole	17.00	384.00	367.00	23.00	389.97	-585.59	767.18	-585.62	765.99
9.625in Casing Surface	17.00	439.00	422.00	23.00	444.97	-585.59	767.18	-585.53	765.79
8.75in Open Hole	384.00	6690.00	6306.00	389.97	6310.14	-585.62	765.99	-546.10	703.69
7in Casing	17.00	6685.00	6668.00	23.00	6309.90	-585.59	767.18	-547.62	703.68
6.125in Open Hole	6685.00	10756.00	4071.00	6309.90	6339.68	-547.62	703.68	692.79	714.82

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE O-K-26HNB AWP Offset Wellpath: STATE NORTH PLATTE O-K-26HNB AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6645.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 8.75" Hole <17'-6645'>	STATE NORTH PLATTE O-K-26HNB AWP
6645.00	10756.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD 6.125" Hole <6738'-10756'>	STATE NORTH PLATTE O-K-26HNB AWP
10756.00	10811.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE O-K-26HNB AWP



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE O-K-26HNB AWB Offset Wellpath: STATE NORTH PLATTE O-K-26HNB AWP	
MD Reference: CADE 22 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE K-O-36HC ST01 AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC ST01 AWP

Facility: SEC.36-T5N-R63W Slot: SLOT#01 STATE NORTH PLATTE K-O-36HC (350'FNL & 520'FWL, SEC.36) Well: STATE NORTH PLATTE K-O-36HC ST01 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	5.70	17.70	-1783.68	4148.39	113.27	4515.60	25.40	183.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE K-O-36HC ST01 AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC ST01 AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE K-O-36HC ST01 AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC ST01 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7484.00	ISCWSA MWD, Rev. 3 (Standard)	3rd Party MWD Surveys provided by Bonanza Creek <92'-9569'>	STATE NORTH PLATTE K-O-36HC AWB
7484.00	11310.00	BHI NaviTrak (Standard)	BHI/Navitrak MWD Surveys<7544'-11310'>	STATE NORTH PLATTE K-O-36HC ST01 AWB
11310.00	11360.00	Blind Drilling (std)	Projection to bit	STATE NORTH PLATTE K-O-36HC ST01 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE K-O-36HC ST01 AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC ST01 AWP

MD Reference: CADE 22 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: Existing North Platte 14-36 AWB Offset Wellpath: Existing North Platte 14-36 AWP

Facility: SEC.36-T5N-R63W Slot: SLOT#02 Existing North Platte 14-36 (1075'FSL & 1093'FWL,SEC.36) 6755' TD Well: Existing North Platte 14-36 Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	-15.00	17.00	-5532.33	4673.02	139.81	7241.80	25.40	294.33	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: Existing North Platte 14-36 AWB Offset Wellpath: Existing North Platte 14-36 AWP

Slot Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: Existing North Platte 14-36 AWB Offset Wellpath: Existing North Platte 14-36 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	0.00	410.00	410.00	15.00	424.99	-3372.24	2848.99	-3371.88	2848.71
7in Casing Intermediate	0.00	6897.00	6897.00	15.00	N/A	-3372.24	2848.99	N/A	N/A

WELLPATH COMPOSITION - Offset Wellbore: Existing North Platte 14-36 AWB Offset Wellpath: Existing North Platte 14-36 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	6808.00	ISCWSA MWD, Rev. 3 (Standard)	3rd Party Survey from COGIS <131'-6808'>	Existing North Platte 14-36 AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: Existing North Platte 14-36 AWB Offset Wellpath: Existing North Platte 14-36 AWP

MD Reference: Rig on SLOT#02 Existing North Platte 14-36 (1075'FSL & 1093'FWL,SEC.36) 6755' TD (RT)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	0.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: STATE NORTH PLATTE K-O-36HC AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC AWP

Facility: SEC.36-T5N-R63W		Slot: SLOT#01 STATE NORTH PLATTE K-O-36HC (350'FNL & 520'FWL, SEC.36)		Well: STATE NORTH PLATTE K-O-36HC		Threshold Value=1.00 † = interpolated/extrapolated station						
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	5.70	17.70	-1783.68	4148.39	113.27	4515.60	25.40	183.51	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: STATE NORTH PLATTE K-O-36HC AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

WELLPATH COMPOSITION - Offset Wellbore: STATE NORTH PLATTE K-O-36HC AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	9569.00	ISCWSA MWD, Rev. 3 (Standard)	3rd Party MWD Surveys provided by Bonanza Creek <92'-9569'>	STATE NORTH PLATTE K-O-36HC AWB

OFFSET WELLPATH REFERENCE - Offset Wellbore: STATE NORTH PLATTE K-O-36HC AWB Offset Wellpath: STATE NORTH PLATTE K-O-36HC AWP

MD Reference: CADE 22 (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE E-A-23HNC AWB Offset Wellpath: NORTH PLATTE E-A-23HNC AWP

Facility: SEC.26-T5N-R63W Slot: SLOT#18 NORTH PLATTE E-A-23HNC (496'FNL & 1081'FWL, SEC.26) Well: NORTH PLATTE E-A-23HNC Threshold Value=1.00 † = interpolated/extrapolated station												
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	29.56	17.56	3282.95	-448.05	-7.77	3313.38	1.42	5329.47	PASS

C-C Clearance Distance Cutoff: 1000.00 ft

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE E-A-23HNC AWB Offset Wellpath: NORTH PLATTE E-A-23HNC AWP

Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE E-A-23HNC AWB Offset Wellpath: NORTH PLATTE E-A-23HNC 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]
13.5in Open Hole	17.00	1632.00	1615.00	5.00	1607.36	2001.29	-273.11	2018.36	-312.36
9.625in Casing Surface	17.00	1640.00	1623.00	5.00	1615.20	2001.29	-273.11	2018.58	-312.78
8.5in Open Hole	1632.00	11142.00	9510.00	1607.36	6442.05	2018.36	-312.36	3620.77	-605.70

WELLPATH COMPOSITION - Offset Wellbore: NORTH PLATTE E-A-23HNC AWB Offset Wellpath: NORTH PLATTE E-A-23HNC AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1577.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI MWD +SR+AC+ROCKIES <121-1577>	NORTH PLATTE E-A-23HNC AWB
1577.00	11118.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BHGE ATCURVE +AC+SS+ROCKIES <1666-11118>	NORTH PLATTE E-A-23HNC AWB
11118.00	11142.00	Blind Drilling (std)	Projection to bit	NORTH PLATTE E-A-23HNC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE E-A-23HNC AWP Offset Wellpath: NORTH PLATTE E-A-23HNC AWP	
MD Reference: XTREME 19 (4567'GL + 17'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE E14-A11-23HNB AWB Offset Wellpath: NORTH PLATTE E14-A11-23HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#12 NORTH PLATTE E14-A11-23HNB (356'FNL & 1080'FWL, SEC.26)			Well: NORTH PLATTE E14-A11-23HNB			Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	26.46	15.46	3422.99	-446.90	-7.44	3452.04	1.42	5591.89	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE E14-A11-23HNB AWB Offset Wellpath: NORTH PLATTE E14-A11-23HNB AWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE E14-A11-23HNB AWB Offset Wellpath: NORTH PLATTE E14-A11-23HNB 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]
13.5in Open Hole	17.00	1681.00	1664.00	6.00	1651.97	2086.66	-272.41	2121.20	-321.17
9.625in Casing Surface	17.00	1674.00	1657.00	6.00	1645.08	2086.66	-272.41	2120.99	-320.86
8.5in Open Hole	1681.00	11038.00	9357.00	1651.97	6373.96	2121.20	-321.17	3668.71	-468.13

WELLPATH COMPOSITION - Offset Wellbore: NORTH PLATTE E14-A11-23HNB AWB Offset Wellpath: NORTH PLATTE E14-A11-23HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1612.00	Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model)	BHI MWD NAVITRAK+SR+ROCKIES <121-1612>	NORTH PLATTE E14-A11-23HNB AWB
1612.00	11014.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BHI ATCURVE+AC+SS+ROCKIES <1762-11014>	NORTH PLATTE E14-A11-23HNB AWB
11014.00	11038.00	Blind Drilling (std)	Projection to bit	NORTH PLATTE E14-A11-23HNB AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE E14-A11-23HNB AWP Offset Wellpath: NORTH PLATTE E14-A11-23HNB AWP	
MD Reference: XTREME 19 (4567'GL + 17'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE 24-21-23HNC AWB Offset Wellpath: NORTH PLATTE 24-21-23HNC AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#15 NORTH PLATTE 24-21-23HNC (416'FNL & 1080'FWL, SEC.26)			Well: NORTH PLATTE 24-21-23HNC			Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	30.74	18.74	3362.99	-447.41	-7.58	3392.62	1.44	5322.16	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE 24-21-23HNC AWB Offset Wellpath: NORTH PLATTE 24-21-23HNC AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE 24-21-23HNC AWB Offset Wellpath: NORTH PLATTE 24-21-23HNC 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]
13.5in Open Hole	17.00	1680.00	1663.00	5.00	1664.92	2050.08	-272.72	2058.53	-258.06
9.625in Casing Surface	17.00	1671.00	1654.00	5.00	1656.03	2050.08	-272.72	2058.28	-258.39
8.5in Open Hole	1680.00	11096.00	9416.00	1664.92	6423.39	2058.53	-258.06	3640.09	-56.43

WELLPATH COMPOSITION - Offset Wellbore: NORTH PLATTE 24-21-23HNC AWB Offset Wellpath: NORTH PLATTE 24-21-23HNC AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1613.00	Custom BHI NaviTrak (Standard Rotating+Axial Corr) (Rockies 0.03Gt model)	BHI MWD NAVITRAK+SR+AC+ROCKIES <209-1613>	NORTH PLATTE 24-21-23HNC AWB
1613.00	11071.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BAKER ATCURVE+AC+SS+ROCKIES <1676-11071>	NORTH PLATTE 24-21-23HNC AWB
11071.00	11096.00	Blind Drilling (std)	Projection to bit	NORTH PLATTE 24-21-23HNC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE 24-21-23HNC AWP		Offset Wellpath: NORTH PLATTE 24-21-23HNC AWP
MD Reference: XTREME 19 (4567'GL + 17'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)	
Ellipse Start MD	17.00ft	



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE J14-F11-23HC AWB Offset Wellpath: NORTH PLATTE J14-F11-23HC AWP												
Facility: SEC.26-T5N-R63W				Slot: SLOT#11 NORTH PLATTE J14-F11-23HC (336'FNL & 1080'FWL, SEC.26)				Well: NORTH PLATTE J14-F11-23HC		Threshold Value=1.00 † = interpolated/extrapolated station		
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	25.24	14.24	3442.99	-446.73	-7.39	3471.86	1.42	5602.82	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE J14-F11-23HC AWB Offset Wellpath: NORTH PLATTE J14-F11-23HC AWP				
Slot Surface Uncertainty @1SD	Horizontal	0.100ft	Vertical	1.000ft
Facility Surface Uncertainty @1SD	Horizontal	8.200ft	Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE J14-F11-23HC AWB Offset Wellpath: NORTH PLATTE J14-F11-23HC 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]
13.5in Open Hole	17.00	1679.00	1662.00	6.00	1653.56	2098.85	-272.31	2148.16	-288.35
9.625in Casing Surface	17.00	1680.00	1663.00	6.00	1654.54	2098.85	-272.31	2148.21	-288.38
8.5in Open Hole	1679.00	11211.00	9532.00	1653.56	6530.13	2148.16	-288.35	3675.76	-349.53

WELLPATH COMPOSITION - Offset Wellbore: NORTH PLATTE J14-F11-23HC AWB Offset Wellpath: NORTH PLATTE J14-F11-23HC AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1612.00	Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model)	BHI NAVITRAK +SR+ROCKIES <121-1612>	NORTH PLATTE J14-F11-23HC AWB
1612.00	11187.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BHI ATCURVE +AC+SS+ROCKIES <1757-11187>	NORTH PLATTE J14-F11-23HC AWB
11187.00	11212.00	Blind Drilling (std)	Projection to bit	NORTH PLATTE J14-F11-23HC AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE J14-F11-23HC AWP Offset Wellpath: NORTH PLATTE J14-F11-23HC AWP	
MD Reference: XTREME 19 (4567'GL + 17'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE J-F-23HNB AWB Offset Wellpath: NORTH PLATTE J-F-23HNB AWP												
Facility: SEC.26-T5N-R63W			Slot: SLOT#14 NORTH PLATTE J-F-23HNB (396°FNL & 1080°FWL, SEC.26)			Well: NORTH PLATTE J-F-23HNB			Threshold Value=1.00 † = interpolated/extrapolated station			
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	26.75	15.75	3382.99	-447.23	-7.53	3412.43	1.59	5458.38	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE J-F-23HNB AWB Offset Wellpath: NORTH PLATTE J-F-23HNB AWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE J-F-23HNB AWB Offset Wellpath: NORTH PLATTE J-F-23HNB 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]
13.5in Open Hole	17.00	523.00	506.00	6.00	511.95	2062.27	-272.62	2062.98	-270.82
8.5in Open Hole	523.00	11010.00	10487.00	511.95	6357.12	2062.98	-270.82	3655.40	-194.01

WELLPATH COMPOSITION - Offset Wellbore: NORTH PLATTE J-F-23HNB AWB Offset Wellpath: NORTH PLATTE J-F-23HNB AWP			
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment
17.00	1613.00	Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model)	BHI MWD NAVITRAK+SR+ROCKIES <121-1613>
1613.00	10985.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BHI ATCURVE +AC+SS+ROCKIES <1757-10985>
10985.00	11010.00	Blind Drilling (std)	Projection to bit

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE J-F-23HNB AWB Offset Wellpath: NORTH PLATTE J-F-23HNB AWP	
MD Reference: XTREME 19 (4567°GL + 17°KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

CLEARANCE DATA - Offset Wellbore: NORTH PLATTE O24-K21-23HNB AWB Offset Wellpath: NORTH PLATTE O24-K21-23HNB AWP												
Facility: SEC.26-T5N-R63W		Slot: SLOT#16 NORTH PLATTE O24-K21-23HNB (436'FNL & 1081'FWL, SEC.26)			Well: NORTH PLATTE O24-K21-23HNB			Threshold Value=1.00 † = interpolated/extrapolated station				
Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Angle from Highside [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
17.00	17.00	0.00	0.00	32.30	20.30	3342.98	-447.57	-7.63	3372.81	1.43	5356.80	PASS
C-C Clearance Distance Cutoff: 1000.00 ft												

POSITIONAL UNCERTAINTY - Offset Wellbore: NORTH PLATTE O24-K21-23HNB AWB Offset Wellpath: NORTH PLATTE O24-K21-23HNB AWP			
Slot Surface Uncertainty @1SD		Horizontal	0.100ft
Facility Surface Uncertainty @1SD		Horizontal	8.200ft
		Vertical	1.000ft
		Vertical	3.000ft

HOLE & CASING SECTIONS - Offset Wellbore: NORTH PLATTE O24-K21-23HNB AWB Offset Wellpath: NORTH PLATTE O24-K21-23HNB 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]
13.5in Open Hole	17.00	1678.00	1661.00	5.00	1664.37	2037.89	-272.82	2038.39	-263.34
9.625in Casing Surface	17.00	1680.00	1663.00	5.00	1666.35	2037.89	-272.82	2038.41	-263.26
8.5in Open Hole	1678.00	11169.00	9491.00	1664.37	6357.40	2038.39	-263.34	3637.55	82.91

WELLPATH COMPOSITION - Offset Wellbore: NORTH PLATTE O24-K21-23HNB AWB Offset Wellpath: NORTH PLATTE O24-K21-23HNB AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1613.00	Custom BHI NaviTrak (Standard Rotating) (Rockies 0.03Gt model)	BHI MWD NAVITRAK +SR+ROCKIES <121-1613>	NORTH PLATTE O24-K21-23HNB AWB
1613.00	11140.00	Custom BHI AutoTrak Curve (Axial Corr, Short spacing) (Rockies 0.03Gt model)	BHI ATCURVE +AC+SS+ROCKIES <1755-11140>	NORTH PLATTE O24-K21-23HNB AWB
11140.00	11169.00	Blind Drilling (std)	Projection to bit	NORTH PLATTE O24-K21-23HNB AWB



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REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#21 STATE NORTH PLATTE F11-35-2XRLNB
Area	COLORADO	Well	STATE NORTH PLATTE F11-35-2XRLNB
Field	WELD COUNTY	Wellbore	STATE NORTH PLATTE F11-35-2XRLNB PWB
Facility	SEC.26-T5N-R63W		

OFFSET WELLPATH REFERENCE - Offset Wellbore: NORTH PLATTE O24-K21-23HNB AWB Offset Wellpath: NORTH PLATTE O24-K21-23HNB AWP	
MD Reference: XTREME 19 (4567'GL + 17'KB) (RKB)	Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)
Ellipse Start MD	17.00ft