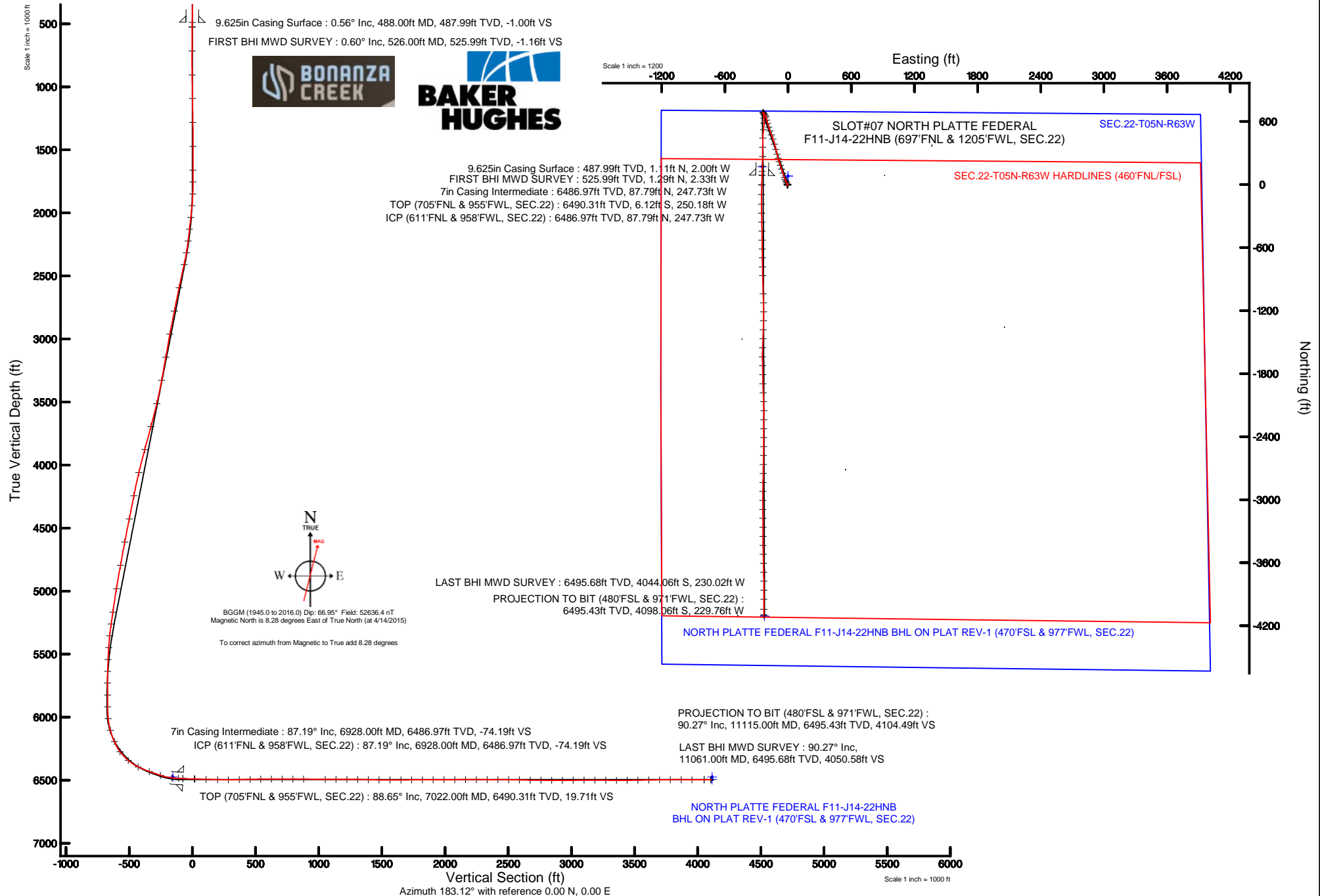


BONANZA CREEK OIL COMPANY

Location: COLORADO Slot: SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Field: WELD COUNTY Well: NORTH PLATTE FEDERAL F11-J14-22HNB
Facility: SEC.22-T5N-R63W Wellbore: NORTH PLATTE FEDERAL F11-J14-22HNB PWB

Plot reference wellpath is NORTH PLATTE FEDERAL F11-J14-22HNB PWP (REV-B.0)

True vertical depths are referenced to XTREME 22 (17KB) (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 22 (17KB) (RKB)	North Reference: True north
XTREME 22 (17KB) (RKB) to Mean Sea Level: 4877 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ingmjmr on 8/16/2015





Actual Wellpath Report

NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Area	COLORADO	Well	NORTH PLATTE FEDERAL F11-J14-22HNB
Field	WELD COUNTY	Wellbore	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
Facility	SEC.22-T5N-R63W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.1.1
North Reference	True	User	Ingmjmr
Scale	0.99996	Report Generated	6/16/2015 at 10:48:41 AM
Convergence at slot	0.69° East	Database/Source file	Denver/NORTH_PLATTE_FEDERAL_F11-J14-22HNB_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-374.80	-1370.51	3298928.08	1386810.12	40°23'24.828"N	104°25'36.545"W
Facility Reference Pt			3300293.87	1387201.53	40°23'28.532"N	104°25'18.833"W
Field Reference Pt			3335925.10	1457282.25	40°34'56.460"N	104°17'26.016"W

WELLPATH DATUM

Calculation method	Minimum curvature	XTREME 22 (17'KB) (RKB) to Facility Vertical Datum	4677.00ft
Horizontal Reference Pt	Slot	XTREME 22 (17'KB) (RKB) to Mean Sea Level	4677.00ft
Vertical Reference Pt	XTREME 22 (17'KB) (RKB)	XTREME 22 (17'KB) (RKB) to Mud Line at Slot (SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22))	4677.00ft
MD Reference Pt	XTREME 22 (17'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	183.12°



Actual Wellpath Report

NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Area	COLORADO	Well	NORTH PLATTE FEDERAL F11-J14-22HNB
Field	WELD COUNTY	Wellbore	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
Facility	SEC.22-T5N-R63W		

WELLPATH DATA (100 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	298.970	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	298.970	17.00	0.00	0.00	0.00	0.00	
526.00	0.600	298.970	525.99	-1.16	1.29	-2.33	0.12	FIRST BHI MWD SURVEY
716.00	0.740	321.100	715.98	-2.51	2.73	-3.97	0.15	
905.00	1.060	211.780	904.96	-1.88	2.19	-5.66	0.78	
1093.00	0.930	209.040	1092.94	1.02	-0.62	-7.32	0.07	
1282.00	1.010	214.040	1281.91	3.83	-3.34	-8.99	0.06	
1472.00	0.610	105.910	1471.90	5.49	-5.01	-8.96	0.70	
1661.00	0.830	68.440	1660.88	5.14	-4.78	-6.72	0.27	
1755.00	0.730	103.940	1754.88	4.97	-4.67	-5.50	0.52	
1849.00	2.500	352.480	1848.85	3.06	-2.79	-5.19	3.03	
1943.00	5.470	337.720	1942.61	-3.00	3.39	-7.16	3.32	
2037.00	7.430	336.080	2036.01	-12.46	13.10	-11.32	2.09	
2132.00	7.140	332.940	2130.24	-23.04	23.97	-16.50	0.52	
2226.00	7.990	336.990	2223.43	-33.95	35.19	-21.71	1.07	
2320.00	10.380	335.980	2316.21	-47.36	48.94	-27.71	2.55	
2415.00	13.720	341.120	2409.11	-65.42	67.42	-34.84	3.69	
2604.00	12.390	341.670	2593.22	-105.08	107.88	-48.47	0.71	
2793.00	12.090	341.150	2777.92	-142.31	145.85	-61.24	0.17	
2980.00	11.490	341.540	2960.98	-177.79	182.05	-73.47	0.32	
3167.00	10.220	342.670	3144.63	-210.65	215.56	-84.31	0.69	
3354.00	11.060	344.870	3328.41	-243.23	248.71	-93.93	0.50	
3543.00	14.010	345.440	3512.89	-282.26	288.36	-104.42	1.56	
3732.00	15.440	347.320	3695.68	-328.27	335.05	-115.69	0.80	
3920.00	16.140	342.490	3876.59	-376.80	384.39	-129.05	0.79	
4110.00	14.420	340.970	4059.87	-423.44	431.94	-144.71	0.93	
4298.00	12.080	340.140	4242.85	-463.23	472.58	-159.03	1.25	
4486.00	12.100	341.090	4426.68	-499.61	509.72	-172.09	0.11	
4674.00	11.370	342.960	4610.75	-535.27	546.08	-183.91	0.44	
4863.00	10.600	343.810	4796.29	-569.17	580.59	-194.22	0.42	



Actual Wellpath Report

NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Page 3 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Area	COLORADO	Well	NORTH PLATTE FEDERAL F11-J14-22HNB
Field	WELD COUNTY	Wellbore	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
Facility	SEC.22-T5N-R63W		

WELLPATH DATA (100 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5051.00	10.130	345.170	4981.22	-601.22	613.18	-203.27	0.28	
5240.00	8.230	343.570	5167.79	-629.78	642.22	-211.35	1.01	
5334.00	9.430	334.800	5260.68	-642.90	655.65	-216.53	1.92	
5428.00	7.390	327.770	5353.66	-654.61	667.73	-223.04	2.43	
5523.00	5.060	318.100	5448.10	-662.56	676.02	-229.09	2.68	
5617.00	3.510	315.350	5541.83	-667.42	681.15	-233.88	1.66	
5711.00	2.290	325.110	5635.71	-670.84	684.74	-236.98	1.40	
5805.00	0.700	186.480	5729.69	-671.74	685.71	-238.12	3.04	
5899.00	0.090	171.670	5823.69	-671.10	685.06	-238.17	0.65	
5993.00	0.400	144.510	5917.69	-670.77	684.72	-237.97	0.34	
6087.00	5.350	161.560	6011.54	-666.43	680.30	-236.40	5.29	
6181.00	16.290	169.170	6103.73	-649.51	663.14	-232.52	11.71	
6276.00	23.040	177.030	6193.16	-618.05	631.44	-229.05	7.62	
6369.00	36.100	181.630	6273.88	-572.36	585.68	-228.88	14.24	
6464.00	49.930	186.080	6343.19	-507.76	521.23	-233.55	14.90	
6558.00	64.290	182.450	6394.11	-429.06	442.73	-239.21	15.61	
6653.00	70.430	180.670	6430.66	-341.46	355.13	-241.56	6.69	
6747.00	71.740	180.620	6461.13	-252.62	266.21	-242.56	1.39	
6841.00	84.010	182.270	6480.84	-160.94	174.51	-244.91	13.17	
6892.00	86.600	181.730	6485.02	-110.12	123.72	-246.68	5.19	
6928.00†	87.191	181.627	6486.97	-74.19	87.79	-247.73	1.67	ICP (611'FNL & 958'FWL, SEC.22)
7018.00	88.670	181.370	6490.22	15.72	-2.12	-250.08	1.67	
7022.00†	88.654	181.322	6490.31	19.71	-6.12	-250.18	1.26	TOP (705'FNL & 955'FWL, SEC.22)
7111.00	88.290	180.260	6492.68	108.61	-95.07	-251.41	1.26	
7203.00	88.730	179.950	6495.08	200.45	-187.04	-251.57	0.58	
7288.00	90.150	179.510	6495.91	285.29	-272.04	-251.17	1.75	
7374.00	91.230	179.000	6494.87	371.09	-358.02	-250.06	1.39	
7460.00	90.960	178.530	6493.23	456.83	-443.98	-248.20	0.63	
7545.00	90.800	179.660	6491.92	541.60	-528.96	-246.86	1.34	
7629.00	90.180	178.330	6491.20	625.38	-612.94	-245.39	1.75	



Actual Wellpath Report

NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Page 4 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Area	COLORADO	Well	NORTH PLATTE FEDERAL F11-J14-22HNB
Field	WELD COUNTY	Wellbore	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
Facility	SEC.22-T5N-R63W		

WELLPATH DATA (100 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7714.00	90.330	179.770	6490.82	710.16	-697.93	-243.98	1.70	
7800.00	89.620	178.710	6490.86	795.97	-783.92	-242.84	1.48	
7885.00	89.260	178.850	6491.69	880.72	-868.90	-241.03	0.45	
8057.00	89.750	178.280	6493.18	1052.17	-1040.83	-236.72	0.44	
8142.00	90.270	178.140	6493.16	1136.86	-1125.79	-234.06	0.63	
8228.00	89.680	179.710	6493.20	1222.62	-1211.77	-232.45	1.95	
8313.00	89.620	180.870	6493.72	1307.52	-1296.77	-232.88	1.37	
8399.00	88.330	182.220	6495.26	1393.47	-1382.72	-235.20	2.17	
8484.00	88.940	182.110	6497.28	1478.43	-1467.64	-238.41	0.73	
8570.00	89.690	182.510	6498.31	1564.41	-1553.56	-241.88	0.99	
8656.00	90.430	179.900	6498.22	1650.36	-1639.53	-243.68	3.15	
8741.00	91.280	178.180	6496.95	1735.13	-1724.51	-242.26	2.26	
8827.00	89.870	179.540	6496.09	1820.88	-1810.48	-240.55	2.28	
8912.00	90.460	178.340	6495.85	1905.66	-1895.46	-238.98	1.57	
8998.00	89.780	177.920	6495.67	1991.33	-1981.42	-236.17	0.93	
9084.00	90.310	177.430	6495.60	2076.94	-2067.35	-232.68	0.84	
9169.00	90.590	179.810	6494.93	2161.67	-2152.31	-230.64	2.82	
9255.00	89.410	180.900	6494.93	2247.57	-2238.31	-231.17	1.87	
9341.00	89.870	180.020	6495.47	2333.47	-2324.30	-231.86	1.15	
9426.00	90.640	180.080	6495.09	2418.35	-2409.30	-231.93	0.91	
9511.00	88.850	180.650	6495.47	2503.25	-2494.30	-232.47	2.21	
9596.00	88.720	180.850	6497.27	2588.16	-2579.27	-233.59	0.28	
9682.00	88.880	180.950	6499.07	2674.07	-2665.24	-234.94	0.22	
9767.00	89.350	180.650	6500.39	2758.99	-2750.22	-236.12	0.66	
9853.00	90.180	181.670	6500.74	2844.94	-2836.20	-237.86	1.53	
9938.00	89.790	180.060	6500.76	2929.87	-2921.19	-239.15	1.95	
10023.00	90.580	180.660	6500.49	3014.77	-3006.18	-239.68	1.17	
10109.00	89.900	179.360	6500.13	3100.64	-3092.18	-239.70	1.71	
10194.00	90.300	179.640	6499.98	3185.47	-3177.18	-238.96	0.57	
10280.00	89.350	179.880	6500.24	3271.32	-3263.18	-238.59	1.14	



Actual Wellpath Report

NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Area	COLORADO	Well	NORTH PLATTE FEDERAL F11-J14-22HNB
Field	WELD COUNTY	Wellbore	NORTH PLATTE FEDERAL F11-J14-22HNB AWP
Facility	SEC.22-T5N-R63W		

WELLPATH DATA (100 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
10365.00	89.810	179.780	6500.86	3356.18	-3348.17	-238.34	0.55	
10451.00	90.430	178.980	6500.68	3442.00	-3434.17	-237.41	1.18	
10536.00	90.950	178.710	6499.66	3526.75	-3519.14	-235.70	0.69	
10622.00	90.800	178.910	6498.35	3612.50	-3605.11	-233.91	0.29	
10708.00	91.170	178.710	6496.87	3698.24	-3691.08	-232.13	0.49	
10793.00	90.580	179.450	6495.57	3783.02	-3776.06	-230.76	1.11	
10879.00	89.720	179.970	6495.35	3868.87	-3862.06	-230.33	1.17	
10965.00	89.780	179.970	6495.72	3954.74	-3948.06	-230.28	0.07	
11061.00	90.270	179.720	6495.68	4050.58	-4044.06	-230.02	0.57	LAST BHI MWD SURVEY
11115.00	90.270	179.720	6495.43	4104.49	-4098.06	-229.76	0.00	PROJECTION TO BIT (480'FSL & 971'FWL, SEC.22)

HOLE & CASING SECTIONS -

Ref Wellbore: NORTH PLATTE FEDERAL F11-J14-22HNB AWP Ref Wellpath: NORTH PLATTE FEDERAL F11-J14-22HNB 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	488.00	471.00	17.00	487.99	0.00	0.00	1.11	-2.00
8.75in Open Hole	488.00	6940.00	6452.00	487.99	6487.53	1.11	-2.00	75.81	-248.07
7in Casing Intermediate	17.00	6928.00	6911.00	17.00	6486.97	0.00	0.00	87.79	-247.73
6.125in Open Hole	6940.00	11115.00	4175.00	6487.53	6495.43	75.81	-248.07	-4098.06	-229.76



Actual Wellpath Report

NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Area	COLORADO	Well	NORTH PLATTE FEDERAL F11-J14-22HNB
Field	WELD COUNTY	Wellbore	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
Facility	SEC.22-T5N-R63W		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.22-T05N-R63W	2.00	80.15	-0.56	3298926.55	1386890.25	40°23'25.620"N	104°25'36.552"W	polygon
NORTH PLATTE FEDERAL F11-J14-22HNB BHL ON PLAT (470'FSL & 977'FWL, SEC.22)	6474.00	-4108.33	-223.72	3298754.10	1382699.55	40°22'44.231"N	104°25'39.436"W	point
NORTH PLATTE FEDERAL F11-J14-22HNB ENTRY POINT (531'FNL & 960'FWL, SEC.22)	6474.00	168.31	-245.13	3298680.94	1386975.44	40°23'26.491"N	104°25'39.713"W	point
NORTH PLATTE FEDERAL F11-J14-22HNB BHL ON PLAT REV-1 (470'FSL & 977'FWL, SEC.22)	6495.00	-4108.31	-223.75	3298754.07	1382699.57	40°22'44.231"N	104°25'39.436"W	point
SEC.22-T05N-R63W HARDLINES (460'FNL/FSL)	6628.00	80.15	-0.56	3298926.55	1386890.25	40°23'25.620"N	104°25'36.552"W	polygon

WELLPATH COMPOSITION -

Ref Wellbore: NORTH PLATTE FEDERAL F11-J14-22HNB AWB Ref Wellpath: NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	6892.00	NaviTrak (MagCorr)	BHI MWD/NAVITRAK (MAGCORR) 8.75" HOLE <526-6892>	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
6892.00	11061.00	NaviTrak (MagCorr)	BHI MWD/NAVITRAK (MAGCORR) 6.125" HOLE <7018-11061>	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
11061.00	11115.00	Blind Drilling (std)	Projection to bit	NORTH PLATTE FEDERAL F11-J14-22HNB AWB



Actual Wellpath Report

NORTH PLATTE FEDERAL F11-J14-22HNB AWP

Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#07 NORTH PLATTE FEDERAL F11-J14-22HNB (697'FNL & 1205'FWL, SEC.22)
Area	COLORADO	Well	NORTH PLATTE FEDERAL F11-J14-22HNB
Field	WELD COUNTY	Wellbore	NORTH PLATTE FEDERAL F11-J14-22HNB AWB
Facility	SEC.22-T5N-R63W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
526.00	0.600	298.970	525.99	FIRST BHI MWD SURVEY
6928.00	87.191	181.627	6486.97	ICP (611'FNL & 958'FWL, SEC.22)
7022.00	88.654	181.322	6490.31	TOP (705'FNL & 955'FWL, SEC.22)
11061.00	90.270	179.720	6495.68	LAST BHI MWD SURVEY
11115.00	90.270	179.720	6495.43	PROJECTION TO BIT (480'FSL & 971'FWL, SEC.22)