





Planned Wellpath Report

LATHAM 41-11-14HNB (REV-B.0) PWP

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14)
Area	COLORADO	Well	LATHAM 41-11-14HNB
Field	WELD COUNTY	Wellbore	LATHAM 41-11-14HNB PWB
Facility	SEC.14-T4N-R63W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Guenaler
Scale	0.999958	Report Generated	3/25/2014 at 5:44:00 PM
Convergence at slot	n/a	Database/Source file	WA_Denver/LATHAM_41-11-14HNB_PWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-80.15	-1.08	3307689.01	1361061.09	40°19'09.329"N	104°23'47.468"W
Facility Reference Pt			3307689.09	1361141.24	40°19'10.121"N	104°23'47.454"W
Field Reference Pt			3327718.19	1377782.99	40°21'52.020"N	104°19'26.040"W

WELLPATH DATUM

Calculation method	Minimum curvature	RIG (RKB) to Facility Vertical Datum	4620.00ft
Horizontal Reference Pt	Slot	RIG (RKB) to Mean Sea Level	4620.00ft
Vertical Reference Pt	RIG (RKB)	RIG (RKB) to Mud Line at Slot (SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14))	4620.00ft
MD Reference Pt	RIG (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	264.04°



Planned Wellpath Report

LATHAM 41-11-14HNB (REV-B.0) PWP

Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14)
Area	COLORADO	Well	LATHAM 41-11-14HNB
Field	WELD COUNTY	Wellbore	LATHAM 41-11-14HNB PWB
Facility	SEC.14-T4N-R63W		

WELLPATH DATA (118 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	180.000	0.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
17.00	0.000	180.000	17.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	Tie On
117.00†	0.000	180.000	117.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
217.00†	0.000	180.000	217.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
317.00†	0.000	180.000	317.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
417.00†	0.000	180.000	417.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
517.00†	0.000	180.000	517.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
617.00†	0.000	180.000	617.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
717.00†	0.000	180.000	717.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
817.00†	0.000	180.000	817.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
917.00†	0.000	180.000	917.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
1017.00†	0.000	180.000	1017.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
1117.00†	0.000	180.000	1117.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	
1200.00	0.000	180.000	1200.00	0.00	0.00	0.00	40°19'09.329"N	104°23'47.468"W	0.00	End of Tangent
1217.00†	0.340	180.000	1217.00	0.01	-0.05	0.00	40°19'09.329"N	104°23'47.468"W	2.00	
1317.00†	2.340	180.000	1316.97	0.25	-2.39	0.00	40°19'09.305"N	104°23'47.468"W	2.00	
1417.00†	4.340	180.000	1416.79	0.85	-8.21	0.00	40°19'09.248"N	104°23'47.468"W	2.00	
1517.00†	6.340	180.000	1516.35	1.82	-17.52	0.00	40°19'09.156"N	104°23'47.468"W	2.00	
1617.00†	8.340	180.000	1615.53	3.14	-30.30	0.00	40°19'09.030"N	104°23'47.468"W	2.00	
1717.00†	10.340	180.000	1714.20	4.83	-46.52	0.00	40°19'08.869"N	104°23'47.468"W	2.00	
1817.00†	12.340	180.000	1812.24	6.87	-66.19	0.00	40°19'08.675"N	104°23'47.468"W	2.00	
1917.00†	14.340	180.000	1909.54	9.26	-89.26	0.00	40°19'08.447"N	104°23'47.468"W	2.00	
2017.00†	16.340	180.000	2005.97	12.01	-115.71	0.00	40°19'08.186"N	104°23'47.468"W	2.00	
2117.00†	18.340	180.000	2101.42	15.10	-145.51	0.00	40°19'07.891"N	104°23'47.468"W	2.00	
2200.00	20.000	180.000	2179.82	17.93	-172.77	0.00	40°19'07.622"N	104°23'47.468"W	2.00	End of Build
2217.00†	20.000	180.000	2195.79	18.53	-178.58	0.00	40°19'07.564"N	104°23'47.468"W	0.00	
2317.00†	20.000	180.000	2289.76	22.08	-212.78	0.00	40°19'07.226"N	104°23'47.468"W	0.00	
2318.31	20.000	180.000	2290.99	22.12	-213.23	0.00	40°19'07.222"N	104°23'47.468"W	0.00	End of Tangent
2417.00†	18.026	180.000	2384.29	25.46	-245.38	0.00	40°19'06.904"N	104°23'47.468"W	2.00	
2517.00†	16.026	180.000	2479.90	28.50	-274.66	0.00	40°19'06.615"N	104°23'47.468"W	2.00	



Planned Wellpath Report

LATHAM 41-11-14HNB (REV-B.0) PWP

Page 3 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14)
Area	COLORADO	Well	LATHAM 41-11-14HNB
Field	WELD COUNTY	Wellbore	LATHAM 41-11-14HNB PWB
Facility	SEC.14-T4N-R63W		

WELLPATH DATA (118 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
2617.00†	14.026	180.000	2576.48	31.19	-300.59	0.00	40°19'06.359"N	104°23'47.468"W	2.00	
2717.00†	12.026	180.000	2673.90	33.53	-323.12	0.00	40°19'06.136"N	104°23'47.468"W	2.00	
2817.00†	10.026	180.000	2772.05	35.51	-342.25	0.00	40°19'05.947"N	104°23'47.468"W	2.00	
2917.00†	8.026	180.000	2870.81	37.14	-357.94	0.00	40°19'05.792"N	104°23'47.468"W	2.00	
3017.00†	6.026	180.000	2970.05	38.41	-370.17	0.00	40°19'05.671"N	104°23'47.468"W	2.00	
3117.00†	4.026	180.000	3069.66	39.32	-378.93	0.00	40°19'05.584"N	104°23'47.468"W	2.00	
3217.00†	2.026	180.000	3169.52	39.86	-384.21	0.00	40°19'05.532"N	104°23'47.468"W	2.00	
3317.00†	0.026	180.000	3269.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	2.00	
3318.31	0.000	268.778	3270.81	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	2.00	End of Drop
3417.00†	0.000	268.778	3369.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
3517.00†	0.000	268.778	3469.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
3617.00†	0.000	268.778	3569.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
3717.00†	0.000	268.778	3669.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
3817.00†	0.000	268.778	3769.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
3917.00†	0.000	268.778	3869.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4017.00†	0.000	268.778	3969.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4117.00†	0.000	268.778	4069.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4217.00†	0.000	268.778	4169.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4317.00†	0.000	268.778	4269.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4417.00†	0.000	268.778	4369.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4517.00†	0.000	268.778	4469.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4617.00†	0.000	268.778	4569.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4717.00†	0.000	268.778	4669.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4817.00†	0.000	268.778	4769.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
4917.00†	0.000	268.778	4869.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5017.00†	0.000	268.778	4969.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5117.00†	0.000	268.778	5069.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5217.00†	0.000	268.778	5169.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5317.00†	0.000	268.778	5269.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5417.00†	0.000	268.778	5369.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	



Planned Wellpath Report

LATHAM 41-11-14HNB (REV-B.0) PWP

Page 4 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14)
Area	COLORADO	Well	LATHAM 41-11-14HNB
Field	WELD COUNTY	Wellbore	LATHAM 41-11-14HNB PWB
Facility	SEC.14-T4N-R63W		

WELLPATH DATA (118 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
5517.00†	0.000	268.778	5469.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5617.00†	0.000	268.778	5569.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5717.00†	0.000	268.778	5669.50	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	
5805.70	0.000	268.778	5758.20	40.05	-386.00	0.00	40°19'05.515"N	104°23'47.468"W	0.00	End of Tangent
5817.00†	1.243	268.778	5769.50	40.17	-386.00	-0.12	40°19'05.515"N	104°23'47.470"W	11.00	
5917.00†	12.243	268.778	5868.65	51.86	-386.25	-11.84	40°19'05.512"N	104°23'47.621"W	11.00	
6017.00†	23.243	268.778	5963.75	82.18	-386.90	-42.26	40°19'05.506"N	104°23'48.014"W	11.00	
6117.00†	34.243	268.778	6051.29	130.03	-387.93	-90.27	40°19'05.496"N	104°23'48.633"W	11.00	
6217.00†	45.243	268.778	6128.07	193.65	-389.29	-154.09	40°19'05.482"N	104°23'49.457"W	11.00	
6317.00†	56.243	268.778	6191.25	270.70	-390.94	-231.39	40°19'05.466"N	104°23'50.455"W	11.00	
6417.00†	67.243	268.778	6238.52	358.35	-392.81	-319.31	40°19'05.447"N	104°23'51.590"W	11.00	
6442.06	70.000	268.778	6247.65	381.60	-393.31	-342.64	40°19'05.442"N	104°23'51.891"W	11.00	End of Build
6512.06	70.000	268.778	6271.60	447.16	-394.71	-408.41	40°19'05.429"N	104°23'52.740"W	0.00	End of Tangent
6517.00†	70.543	268.778	6273.26	451.79	-394.81	-413.05	40°19'05.428"N	104°23'52.800"W	11.00	
6617.00†	81.543	268.778	6297.34	548.36	-396.88	-509.93	40°19'05.407"N	104°23'54.051"W	11.00	
6693.88	90.000	268.778	6303.01	624.70	-398.51	-586.52	40°19'05.391"N	104°23'55.040"W	11.00	End of 3D Arc
6717.00†	90.000	268.778	6303.01	647.74	-399.00	-609.63	40°19'05.386"N	104°23'55.338"W	0.00	
6817.00†	90.000	268.778	6303.01	747.40	-401.14	-709.61	40°19'05.365"N	104°23'56.629"W	0.00	
6917.00†	90.000	268.778	6303.01	847.06	-403.27	-809.58	40°19'05.344"N	104°23'57.920"W	0.00	
7017.00†	90.000	268.778	6303.01	946.71	-405.40	-909.56	40°19'05.323"N	104°23'59.210"W	0.00	
7117.00†	90.000	268.778	6303.01	1046.37	-407.53	-1009.54	40°19'05.302"N	104°24'00.501"W	0.00	
7217.00†	90.000	268.778	6303.01	1146.03	-409.67	-1109.52	40°19'05.281"N	104°24'01.792"W	0.00	
7317.00†	90.000	268.778	6303.01	1245.69	-411.80	-1209.49	40°19'05.259"N	104°24'03.082"W	0.00	
7417.00†	90.000	268.778	6303.01	1345.35	-413.93	-1309.47	40°19'05.238"N	104°24'04.373"W	0.00	
7517.00†	90.000	268.778	6303.01	1445.01	-416.06	-1409.45	40°19'05.217"N	104°24'05.664"W	0.00	
7617.00†	90.000	268.778	6303.01	1544.67	-418.20	-1509.42	40°19'05.196"N	104°24'06.954"W	0.00	
7717.00†	90.000	268.778	6303.01	1644.33	-420.33	-1609.40	40°19'05.175"N	104°24'08.245"W	0.00	
7817.00†	90.000	268.778	6303.01	1743.99	-422.46	-1709.38	40°19'05.154"N	104°24'09.536"W	0.00	
7917.00†	90.000	268.778	6303.01	1843.65	-424.59	-1809.36	40°19'05.133"N	104°24'10.826"W	0.00	
8017.00†	90.000	268.778	6303.01	1943.30	-426.72	-1909.33	40°19'05.111"N	104°24'12.117"W	0.00	



Planned Wellpath Report

LATHAM 41-11-14HNB (REV-B.0) PWP

Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14)
Area	COLORADO	Well	LATHAM 41-11-14HNB
Field	WELD COUNTY	Wellbore	LATHAM 41-11-14HNB PWB
Facility	SEC.14-T4N-R63W		

WELLPATH DATA (118 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8117.00†	90.000	268.778	6303.00	2042.96	-428.86	-2009.31	40°19'05.090"N	104°24'13.408"W	0.00	
8217.00†	90.000	268.778	6303.00	2142.62	-430.99	-2109.29	40°19'05.069"N	104°24'14.698"W	0.00	
8317.00†	90.000	268.778	6303.00	2242.28	-433.12	-2209.27	40°19'05.048"N	104°24'15.989"W	0.00	
8417.00†	90.000	268.778	6303.00	2341.94	-435.25	-2309.24	40°19'05.027"N	104°24'17.280"W	0.00	
8517.00†	90.000	268.778	6303.00	2441.60	-437.39	-2409.22	40°19'05.006"N	104°24'18.570"W	0.00	
8617.00†	90.000	268.778	6303.00	2541.26	-439.52	-2509.20	40°19'04.985"N	104°24'19.861"W	0.00	
8717.00†	90.000	268.778	6303.00	2640.92	-441.65	-2609.17	40°19'04.963"N	104°24'21.152"W	0.00	
8817.00†	90.000	268.778	6303.00	2740.58	-443.78	-2709.15	40°19'04.942"N	104°24'22.442"W	0.00	
8917.00†	90.000	268.778	6303.00	2840.23	-445.92	-2809.13	40°19'04.921"N	104°24'23.733"W	0.00	
9017.00†	90.000	268.778	6303.00	2939.89	-448.05	-2909.11	40°19'04.900"N	104°24'25.024"W	0.00	
9117.00†	90.000	268.778	6303.00	3039.55	-450.18	-3009.08	40°19'04.879"N	104°24'26.314"W	0.00	
9217.00†	90.000	268.778	6303.00	3139.21	-452.31	-3109.06	40°19'04.857"N	104°24'27.605"W	0.00	
9317.00†	90.000	268.778	6303.00	3238.87	-454.45	-3209.04	40°19'04.836"N	104°24'28.896"W	0.00	
9417.00†	90.000	268.778	6303.00	3338.53	-456.58	-3309.02	40°19'04.815"N	104°24'30.186"W	0.00	
9517.00†	90.000	268.778	6303.00	3438.19	-458.71	-3408.99	40°19'04.794"N	104°24'31.477"W	0.00	
9617.00†	90.000	268.778	6303.00	3537.85	-460.84	-3508.97	40°19'04.773"N	104°24'32.768"W	0.00	
9717.00†	90.000	268.778	6303.00	3637.51	-462.98	-3608.95	40°19'04.751"N	104°24'34.058"W	0.00	
9817.00†	90.000	268.778	6303.00	3737.16	-465.11	-3708.92	40°19'04.730"N	104°24'35.349"W	0.00	
9917.00†	90.000	268.778	6303.00	3836.82	-467.24	-3808.90	40°19'04.709"N	104°24'36.640"W	0.00	
10017.00†	90.000	268.778	6303.00	3936.48	-469.37	-3908.88	40°19'04.688"N	104°24'37.931"W	0.00	
10117.00†	90.000	268.778	6303.00	4036.14	-471.50	-4008.86	40°19'04.666"N	104°24'39.221"W	0.00	
10217.00†	90.000	268.778	6303.00	4135.80	-473.64	-4108.83	40°19'04.645"N	104°24'40.512"W	0.00	
10317.00†	90.000	268.778	6303.00	4235.46	-475.77	-4208.81	40°19'04.624"N	104°24'41.803"W	0.00	
10417.00†	90.000	268.778	6303.00	4335.12	-477.90	-4308.79	40°19'04.603"N	104°24'43.093"W	0.00	
10517.00†	90.000	268.778	6303.00	4434.78	-480.03	-4408.77	40°19'04.582"N	104°24'44.384"W	0.00	
10617.00†	90.000	268.778	6303.00	4534.44	-482.17	-4508.74	40°19'04.560"N	104°24'45.675"W	0.00	
10717.00†	90.000	268.778	6303.00	4634.09	-484.30	-4608.72	40°19'04.539"N	104°24'46.965"W	0.00	
10759.43	90.000	268.778	6303.00 ¹	4676.38	-485.20	-4651.14	40°19'04.530"N	104°24'47.513"W	0.00	End of Tangent



Planned Wellpath Report

LATHAM 41-11-14HNB (REV-B.0) PWP

Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14)
Area	COLORADO	Well	LATHAM 41-11-14HNB
Field	WELD COUNTY	Wellbore	LATHAM 41-11-14HNB PWB
Facility	SEC.14-T4N-R63W		

HOLE & CASING SECTIONS - Ref Wellbore: LATHAM 41-11-14HNB PWB Ref Wellpath: LATHAM 41-11-14HNB (REV-B.0) PWP									
String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
7in Casing Intermediate	17.00	6693.88	6676.88	17.00	6303.01	0.00	0.00	-398.51	-586.51
4.5in Casing Production	17.00	10759.00	10742.00	17.00	6303.00	0.00	0.00	-485.19	-4650.71

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
LATHAM SECTION 14		-1.00	80.13	1.08	3307689.09	1361141.22	40°19'10.121"N	104°23'47.454"W	polygon
1) LATHAM 41-11-14HNB REV-2 BHL From Plat (660'FNL & 470'FWL,SEC.14)	10759.43	6303.00	-485.20	-4651.14	3303044.47	1360518.07	40°19'04.530"N	104°24'47.513"W	point
LATHAM U-A-14HNB HARDLINES (460' SETBACK)		6325.00	80.13	1.08	3307689.09	1361141.22	40°19'10.121"N	104°23'47.454"W	polygon
LATHAM V-B-14HNB REV-1 BHL From Plat (1320'FNL & 470'FWL,SEC.14)		6325.00	-1145.33	-4641.78	3303062.04	1359858.14	40°18'58.007"N	104°24'47.390"W	point

SURVEY PROGRAM - Ref Wellbore: LATHAM 41-11-14HNB PWB Ref Wellpath: LATHAM 41-11-14HNB (REV-B.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	10759.43	NaviTrak (Standard)		LATHAM 41-11-14HNB PWB



Planned Wellpath Report
LATHAM 41-11-14HNB (REV-B.0) PWP
Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	BONANZA CREEK OIL COMPANY	Slot	SLOT#05 LATHAM 41-11-14HNB (274'FNL & 181'FEL,SEC.14)
Area	COLORADO	Well	LATHAM 41-11-14HNB
Field	WELD COUNTY	Wellbore	LATHAM 41-11-14HNB PWB
Facility	SEC.14-T4N-R63W		

DESIGN COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
17.00	0.000	180.000	17.00	Tie On
1200.00	0.000	180.000	1200.00	End of Tangent
2200.00	20.000	180.000	2179.82	End of Build
2318.31	20.000	180.000	2290.99	End of Tangent
3318.31	0.000	268.778	3270.81	End of Drop
5805.70	0.000	268.778	5758.20	End of Tangent
6442.06	70.000	268.778	6247.65	End of Build
6512.06	70.000	268.778	6271.60	End of Tangent
6693.88	90.000	268.778	6303.01	End of 3D Arc
10759.43	90.000	268.778	6303.00	End of Tangent