



Planned Wellpath Report

JANET 0780 10S-4H9 (REV-C.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	FULCRUM ENERGY OPERATING	Well	JANET 0780 10S-4H9
Field	JACKSON COUNTY (NAD83/TN)	API	05-057-06637
Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 6.0
North Reference	True	User	Martsam01
Scale	0.999977	Report Generated	5/7/2025 at 10:42:49 PM
Convergence at slot	0.58° West	Database	WA_Denver

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.61	59.99	2752797.41	1467805.74	40.6141171°	-106.3904158°
Facility Reference Pt			2752737.42	1467805.74	40.6141155°	-106.3906318°
Field Reference Pt			2986049.83	1344849.24	40.2800000°	-105.5500000°

WELLPATH DATUM

Calculation method	Minimum curvature	(8099'GL+25.5'KB = 8124.5'RKB) (RKB) to Facility Vertical Datum	8124.50ft
Horizontal Reference Pt	Slot	(8099'GL+25.5'KB = 8124.5'RKB) (RKB) to Mean Sea Level	8124.50ft
Vertical Reference Pt	(8099'GL+25.5'KB = 8124.5'RKB) (RKB)	(8099'GL+25.5'KB = 8124.5'RKB) (RKB) to Ground Level at Slot (SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04))	8124.50ft
MD Reference Pt	(8099'GL+25.5'KB = 8124.5'RKB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	167.71°



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Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	65.167	0.00	0.00	0.00	0.00	2752797.41	1467805.74	40.6141171	-106.3904158	0.00	
25.50	0.000	65.167	25.50	0.00	0.00	0.00	2752797.41	1467805.74	40.6141171	-106.3904158	0.00	Tie On
100.00†	0.000	65.167	100.00	0.00	0.00	0.00	2752797.41	1467805.74	40.6141171	-106.3904158	0.00	
200.00†	0.000	65.167	200.00	0.00	0.00	0.00	2752797.41	1467805.74	40.6141171	-106.3904158	0.00	
300.00	0.000	65.167	300.00	0.00	0.00	0.00	2752797.41	1467805.74	40.6141171	-106.3904158	0.00	End of Tangent
400.00†	2.000	65.167	399.98	-0.38	0.73	1.58	2752799.00	1467806.46	40.6141191	-106.3904101	2.00	
500.00†	4.000	65.167	499.84	-1.52	2.93	6.33	2752803.77	1467808.61	40.6141252	-106.3903930	2.00	
600.00†	6.000	65.167	599.45	-3.41	6.59	14.24	2752811.72	1467812.19	40.6141352	-106.3903645	2.00	
700.00†	8.000	65.167	698.70	-6.06	11.71	25.30	2752822.83	1467817.19	40.6141493	-106.3903246	2.00	
800.00†	10.000	65.167	797.47	-9.45	18.28	39.50	2752837.09	1467823.62	40.6141673	-106.3902735	2.00	
900.00†	12.000	65.167	895.62	-13.60	26.29	56.81	2752854.48	1467831.46	40.6141893	-106.3902111	2.00	
1000.00†	14.000	65.167	993.06	-18.48	35.74	77.23	2752874.99	1467840.70	40.6142152	-106.3901376	2.00	
1100.00†	16.000	65.167	1089.64	-24.11	46.61	100.72	2752898.59	1467851.33	40.6142451	-106.3900530	2.00	
1200.00†	18.000	65.167	1185.27	-30.46	58.88	127.25	2752925.24	1467863.34	40.6142788	-106.3899574	2.00	
1249.67	18.993	65.167	1232.37	-33.88	65.50	141.55	2752939.61	1467869.82	40.6142969	-106.3899059	2.00	Build (XS)
1300.00†	18.993	65.167	1279.96	-37.44	72.38	156.42	2752954.54	1467876.55	40.6143158	-106.3898524	0.00	
1400.00†	18.993	65.167	1374.52	-44.51	86.05	185.95	2752984.21	1467889.92	40.6143533	-106.3897460	0.00	
1500.00†	18.993	65.167	1469.07	-51.58	99.72	215.49	2753013.88	1467903.29	40.6143908	-106.3896396	0.00	
1600.00†	18.993	65.167	1563.63	-58.65	113.39	245.02	2753043.55	1467916.66	40.6144284	-106.3895332	0.00	
1700.00†	18.993	65.167	1658.18	-65.72	127.05	274.56	2753073.23	1467930.03	40.6144659	-106.3894268	0.00	
1800.00†	18.993	65.167	1752.74	-72.78	140.72	304.10	2753102.90	1467943.40	40.6145034	-106.3893205	0.00	
1900.00†	18.993	65.167	1847.30	-79.85	154.39	333.63	2753132.57	1467956.77	40.6145409	-106.3892141	0.00	
2000.00†	18.993	65.167	1941.85	-86.92	168.06	363.17	2753162.24	1467970.14	40.6145784	-106.3891077	0.00	
2100.00†	18.993	65.167	2036.41	-93.99	181.73	392.71	2753191.91	1467983.51	40.6146159	-106.3890013	0.00	
2200.00†	18.993	65.167	2130.96	-101.06	195.40	422.24	2753221.58	1467996.88	40.6146534	-106.3888949	0.00	
2300.00†	18.993	65.167	2225.52	-108.13	209.06	451.78	2753251.26	1468010.25	40.6146910	-106.3887885	0.00	
2400.00†	18.993	65.167	2320.07	-115.20	222.73	481.32	2753280.93	1468023.62	40.6147285	-106.3886821	0.00	
2500.00†	18.993	65.167	2414.63	-122.27	236.40	510.85	2753310.60	1468036.99	40.6147660	-106.3885757	0.00	
2600.00†	18.993	65.167	2509.19	-129.34	250.07	540.39	2753340.27	1468050.36	40.6148035	-106.3884694	0.00	
2700.00†	18.993	65.167	2603.74	-136.41	263.74	569.93	2753369.94	1468063.73	40.6148410	-106.3883630	0.00	
2800.00†	18.993	65.167	2698.30	-143.48	277.40	599.46	2753399.61	1468077.10	40.6148785	-106.3882566	0.00	
2900.00†	18.993	65.167	2792.85	-150.55	291.07	629.00	2753429.29	1468090.47	40.6149160	-106.3881502	0.00	
3000.00†	18.993	65.167	2887.41	-157.62	304.74	658.54	2753458.96	1468103.84	40.6149536	-106.3880438	0.00	
3100.00†	18.993	65.167	2981.96	-164.69	318.41	688.07	2753488.63	1468117.22	40.6149911	-106.3879374	0.00	
3200.00†	18.993	65.167	3076.52	-171.76	332.08	717.61	2753518.30	1468130.59	40.6150286	-106.3878310	0.00	
3300.00†	18.993	65.167	3171.07	-178.83	345.74	747.15	2753547.97	1468143.96	40.6150661	-106.3877246	0.00	
3400.00†	18.993	65.167	3265.63	-185.90	359.41	776.68	2753577.64	1468157.33	40.6151036	-106.3876183	0.00	
3500.00†	18.993	65.167	3360.19	-192.97	373.08	806.22	2753607.32	1468170.70	40.6151411	-106.3875119	0.00	
3600.00†	18.993	65.167	3454.74	-200.04	386.75	835.76	2753636.99	1468184.07	40.6151786	-106.3874055	0.00	
3700.00†	18.993	65.167	3549.30	-207.11	400.42	865.29	2753666.66	1468197.44	40.6152162	-106.3872991	0.00	
3800.00†	18.993	65.167	3643.85	-214.17	414.09	894.83	2753696.33	1468210.81	40.6152537	-106.3871927	0.00	
3900.00†	18.993	65.167	3738.41	-221.24	427.75	924.37	2753726.00	1468224.18	40.6152912	-106.3870863	0.00	
4000.00†	18.993	65.167	3832.96	-228.31	441.42	953.90	2753755.67	1468237.55	40.6153287	-106.3869799	0.00	
4100.00†	18.993	65.167	3927.52	-235.38	455.09	983.44	2753785.34	1468250.92	40.6153662	-106.3868735	0.00	
4200.00†	18.993	65.167	4022.08	-242.45	468.76	1012.98	2753815.02	1468264.29	40.6154037	-106.3867671	0.00	



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Field	JACKSON COUNTY (NAD83/TN)	API	05-057-06637
Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS ["/100ft]	Comments
4300.00†	18.993	65.167	4116.63	-249.52	482.43	1042.51	2753844.69	1468277.66	40.6154412	-106.3866608	0.00	
4400.00†	18.993	65.167	4211.19	-256.59	496.09	1072.05	2753874.36	1468291.03	40.6154787	-106.3865544	0.00	
4500.00†	18.993	65.167	4305.74	-263.66	509.76	1101.59	2753904.03	1468304.40	40.6155163	-106.3864480	0.00	
4600.00†	18.993	65.167	4400.30	-270.73	523.43	1131.12	2753933.70	1468317.77	40.6155538	-106.3863416	0.00	
4700.00†	18.993	65.167	4494.85	-277.80	537.10	1160.66	2753963.37	1468331.14	40.6155913	-106.3862352	0.00	
4800.00†	18.993	65.167	4589.41	-284.87	550.77	1190.20	2753993.05	1468344.51	40.6156288	-106.3861288	0.00	
4900.00†	18.993	65.167	4683.97	-291.94	564.44	1219.73	2754022.72	1468357.89	40.6156663	-106.3860224	0.00	
5000.00†	18.993	65.167	4778.52	-299.01	578.10	1249.27	2754052.39	1468371.26	40.6157038	-106.3859160	0.00	
5100.00†	18.993	65.167	4873.08	-306.08	591.77	1278.81	2754082.06	1468384.63	40.6157413	-106.3858096	0.00	
5200.00†	18.993	65.167	4967.63	-313.15	605.44	1308.34	2754111.73	1468398.00	40.6157788	-106.3857032	0.00	
5300.00†	18.993	65.167	5062.19	-320.22	619.11	1337.88	2754141.40	1468411.37	40.6158164	-106.3855969	0.00	
5400.00†	18.993	65.167	5156.74	-327.29	632.78	1367.42	2754171.08	1468424.74	40.6158539	-106.3854905	0.00	
5500.00†	18.993	65.167	5251.30	-334.36	646.44	1396.95	2754200.75	1468438.11	40.6158914	-106.3853841	0.00	
5600.00†	18.993	65.167	5345.85	-341.43	660.11	1426.49	2754230.42	1468451.48	40.6159289	-106.3852777	0.00	
5700.00†	18.993	65.167	5440.41	-348.49	673.78	1456.02	2754260.09	1468464.85	40.6159664	-106.3851713	0.00	
5800.00†	18.993	65.167	5534.97	-355.56	687.45	1485.56	2754289.76	1468478.22	40.6160039	-106.3850649	0.00	
5900.00†	18.993	65.167	5629.52	-362.63	701.12	1515.10	2754319.43	1468491.59	40.6160414	-106.3849585	0.00	
6000.00†	18.993	65.167	5724.08	-369.70	714.79	1544.63	2754349.11	1468504.96	40.6160789	-106.3848521	0.00	
6100.00†	18.993	65.167	5818.63	-376.77	728.45	1574.17	2754378.78	1468518.33	40.6161165	-106.3847457	0.00	
6200.00†	18.993	65.167	5913.19	-383.84	742.12	1603.71	2754408.45	1468531.70	40.6161540	-106.3846393	0.00	
6300.00†	18.993	65.167	6007.74	-390.91	755.79	1633.24	2754438.12	1468545.07	40.6161915	-106.3845329	0.00	
6400.00†	18.993	65.167	6102.30	-397.98	769.46	1662.78	2754467.79	1468558.44	40.6162290	-106.3844265	0.00	
6500.00†	18.993	65.167	6196.86	-405.05	783.13	1692.32	2754497.46	1468571.81	40.6162665	-106.3843202	0.00	
6600.00†	18.993	65.167	6291.41	-412.12	796.79	1721.85	2754527.13	1468585.18	40.6163040	-106.3842138	0.00	
6700.00†	18.993	65.167	6385.97	-419.19	810.46	1751.39	2754556.81	1468598.56	40.6163415	-106.3841074	0.00	
6800.00†	18.993	65.167	6480.52	-426.26	824.13	1780.93	2754586.48	1468611.93	40.6163790	-106.3840010	0.00	
6900.00†	18.993	65.167	6575.08	-433.33	837.80	1810.46	2754616.15	1468625.30	40.6164165	-106.3838946	0.00	
7000.00†	18.993	65.167	6669.63	-440.40	851.47	1840.00	2754645.82	1468638.67	40.6164540	-106.3837882	0.00	
7100.00†	18.993	65.167	6764.19	-447.47	865.13	1869.54	2754675.49	1468652.04	40.6164916	-106.3836818	0.00	
7200.00†	18.993	65.167	6858.75	-454.54	878.80	1899.07	2754705.16	1468665.41	40.6165291	-106.3835754	0.00	
7300.00†	18.993	65.167	6953.30	-461.61	892.47	1928.61	2754734.84	1468678.78	40.6165666	-106.3834690	0.00	
7400.00†	18.993	65.167	7047.86	-468.68	906.14	1958.15	2754764.51	1468692.15	40.6166041	-106.3833626	0.00	
7500.00†	18.993	65.167	7142.41	-475.75	919.81	1987.68	2754794.18	1468705.52	40.6166416	-106.3832562	0.00	
7600.00†	18.993	65.167	7236.97	-482.81	933.48	2017.22	2754823.85	1468718.89	40.6166791	-106.3831498	0.00	
7700.00†	18.993	65.167	7331.52	-489.88	947.14	2046.76	2754853.52	1468732.26	40.6167166	-106.3830434	0.00	
7800.00†	18.993	65.167	7426.08	-496.95	960.81	2076.29	2754883.19	1468745.63	40.6167541	-106.3829370	0.00	
7900.00†	18.993	65.167	7520.63	-504.02	974.48	2105.83	2754912.87	1468759.00	40.6167916	-106.3828307	0.00	
8000.00†	18.993	65.167	7615.19	-511.09	988.15	2135.37	2754942.54	1468772.37	40.6168291	-106.3827243	0.00	
8043.00	18.993	65.167	7655.85	-514.13	994.03	2148.07	2754955.30	1468778.12	40.6168453	-106.3826785	0.00	KOP
8100.00†	17.635	79.059	7709.99	-515.95	999.56	2164.97	2754972.25	1468783.49	40.6168605	-106.3826176	8.00	
8200.00†	17.918	105.459	7805.37	-508.42	998.34	2194.72	2755001.99	1468781.96	40.6168571	-106.3825105	8.00	
8300.00†	21.335	127.189	7899.67	-487.39	983.22	2224.08	2755031.20	1468766.55	40.6168156	-106.3824047	8.00	
8400.00†	26.708	141.870	7991.06	-453.29	954.50	2252.50	2755059.32	1468737.55	40.6167367	-106.3823024	8.00	
8500.00†	33.095	151.592	8077.75	-406.76	912.74	2279.40	2755085.81	1468695.52	40.6166221	-106.3822055	8.00	
8600.00†	40.012	158.371	8158.07	-348.71	858.75	2304.28	2755110.14	1468641.29	40.6164739	-106.3821159	8.00	



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REFERENCE WELLPATH IDENTIFICATION

Operator	FULCRUM ENERGY OPERATING	Well	JANET 0780 10S-4H9
Field	JACKSON COUNTY (NAD83/TN)	API	05-057-06637
Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
8700.00†	47.223	163.408	8230.44	-280.29	793.59	2326.65	2755131.85	1468575.91	40.6162951	-106.3820353	8.00	
8800.00†	54.608	167.380	8293.45	-202.80	718.52	2346.07	2755150.51	1468500.65	40.6160890	-106.3819654	8.00	
8900.00†	62.101	170.677	8345.89	-117.78	635.01	2362.16	2755165.76	1468416.98	40.6158598	-106.3819075	8.00	
9000.00†	69.662	173.544	8386.73	-26.86	544.67	2374.61	2755177.31	1468326.52	40.6156118	-106.3818627	8.00	
9100.00†	77.265	176.141	8415.18	68.18	449.27	2383.17	2755184.92	1468231.04	40.6153500	-106.3818319	8.00	
9200.00†	84.893	178.585	8430.68	165.49	350.66	2387.69	2755188.45	1468132.40	40.6150793	-106.3818156	8.00	
9276.18	90.710	180.404	8433.60 [†]	239.98	274.57	2388.36	2755188.35	1468056.31	40.6148705	-106.3818132	8.00	LP
9300.00†	90.710	180.404	8433.30	263.21	250.76	2388.20	2755187.94	1468032.50	40.6148051	-106.3818138	0.00	
9400.00†	90.710	180.404	8432.06	360.76	150.77	2387.49	2755186.23	1467932.53	40.6145306	-106.3818164	0.00	
9500.00†	90.710	180.404	8430.82	458.31	50.78	2386.78	2755184.52	1467832.55	40.6142562	-106.3818190	0.00	
9600.00†	90.710	180.404	8429.59	555.86	-49.21	2386.08	2755182.81	1467732.57	40.6139817	-106.3818216	0.00	
9700.00†	90.710	180.404	8428.35	653.41	-149.20	2385.37	2755181.11	1467632.60	40.6137073	-106.3818241	0.00	
9800.00†	90.710	180.404	8427.11	750.96	-249.19	2384.67	2755179.40	1467532.62	40.6134328	-106.3818267	0.00	
9900.00†	90.710	180.404	8425.87	848.51	-349.18	2383.96	2755177.69	1467432.65	40.6131584	-106.3818293	0.00	
10000.00†	90.710	180.404	8424.63	946.06	-449.17	2383.26	2755175.98	1467332.67	40.6128839	-106.3818319	0.00	
10100.00†	90.710	180.404	8423.39	1043.60	-549.16	2382.55	2755174.27	1467232.70	40.6126095	-106.3818344	0.00	
10200.00†	90.710	180.404	8422.15	1141.15	-649.15	2381.85	2755172.56	1467132.72	40.6123350	-106.3818370	0.00	
10300.00†	90.710	180.404	8420.91	1238.70	-749.14	2381.14	2755170.85	1467032.75	40.6120606	-106.3818396	0.00	
10400.00†	90.710	180.404	8419.67	1336.25	-849.13	2380.44	2755169.14	1466932.77	40.6117861	-106.3818422	0.00	
10500.00†	90.710	180.404	8418.43	1433.80	-949.12	2379.73	2755167.43	1466832.80	40.6115117	-106.3818447	0.00	
10600.00†	90.710	180.404	8417.19	1531.35	-1049.11	2379.02	2755165.72	1466732.82	40.6112372	-106.3818473	0.00	
10700.00†	90.710	180.404	8415.95	1628.90	-1149.10	2378.32	2755164.01	1466632.85	40.6109628	-106.3818499	0.00	
10800.00†	90.710	180.404	8414.71	1726.45	-1249.09	2377.61	2755162.30	1466532.87	40.6106883	-106.3818525	0.00	
10900.00†	90.710	180.404	8413.47	1824.00	-1349.08	2376.91	2755160.59	1466432.90	40.6104139	-106.3818551	0.00	
11000.00†	90.710	180.404	8412.23	1921.55	-1449.07	2376.20	2755158.88	1466332.92	40.6101394	-106.3818576	0.00	
11100.00†	90.710	180.404	8410.99	2019.10	-1549.06	2375.50	2755157.17	1466232.95	40.6098650	-106.3818602	0.00	
11200.00†	90.710	180.404	8409.75	2116.65	-1649.05	2374.79	2755155.46	1466132.97	40.6095905	-106.3818628	0.00	
11300.00†	90.710	180.404	8408.51	2214.20	-1749.04	2374.09	2755153.75	1466033.00	40.6093161	-106.3818654	0.00	
11400.00†	90.710	180.404	8407.27	2311.75	-1849.03	2373.38	2755152.05	1465933.02	40.6090416	-106.3818679	0.00	
11500.00†	90.710	180.404	8406.03	2409.30	-1949.02	2372.68	2755150.34	1465833.05	40.6087672	-106.3818705	0.00	
11600.00†	90.710	180.404	8404.79	2506.84	-2049.01	2371.97	2755148.63	1465733.07	40.6084927	-106.3818731	0.00	
11700.00†	90.710	180.404	8403.55	2604.39	-2149.00	2371.26	2755146.92	1465633.10	40.6082183	-106.3818757	0.00	
11736.10	90.710	180.404	8403.10 [‡]	2639.61	-2185.10	2371.01	2755146.30	1465597.00	40.6081192	-106.3818766	0.00	WP1
11737.50	90.729	180.425	8403.08	2640.98	-2186.50	2371.00	2755146.28	1465595.60	40.6081153	-106.3818766	2.00	3D Arc (J)
11800.00†	90.729	180.425	8402.29	2701.94	-2248.99	2370.54	2755145.19	1465533.12	40.6079438	-106.3818783	0.00	
11900.00†	90.729	180.425	8401.01	2799.48	-2348.98	2369.79	2755143.44	1465433.15	40.6076694	-106.3818810	0.00	
12000.00†	90.729	180.425	8399.74	2897.02	-2448.96	2369.05	2755141.69	1465333.17	40.6073949	-106.3818837	0.00	
12100.00†	90.729	180.425	8398.47	2994.56	-2548.95	2368.31	2755139.95	1465233.20	40.6071205	-106.3818864	0.00	
12200.00†	90.729	180.425	8397.19	3092.10	-2648.94	2367.57	2755138.20	1465133.22	40.6068460	-106.3818891	0.00	
12300.00†	90.729	180.425	8395.92	3189.64	-2748.93	2366.83	2755136.46	1465033.25	40.6065716	-106.3818918	0.00	
12400.00†	90.729	180.425	8394.65	3287.18	-2848.92	2366.09	2755134.71	1464933.28	40.6062971	-106.3818945	0.00	
12500.00†	90.729	180.425	8393.37	3384.73	-2948.91	2365.35	2755132.97	1464833.30	40.6060227	-106.3818972	0.00	
12600.00†	90.729	180.425	8392.10	3482.27	-3048.90	2364.61	2755131.22	1464733.33	40.6057482	-106.3818999	0.00	
12700.00†	90.729	180.425	8390.83	3579.81	-3148.89	2363.87	2755129.48	1464633.35	40.6054738	-106.3819026	0.00	
12800.00†	90.729	180.425	8389.56	3677.35	-3248.88	2363.12	2755127.73	1464533.38	40.6051993	-106.3819054	0.00	



Planned Wellpath Report

JANET 0780 10S-4H9 (REV-C.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	FULCRUM ENERGY OPERATING	Well	JANET 0780 10S-4H9
Field	JACKSON COUNTY (NAD83/TN)	API	05-057-06637
Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12900.00†	90.729	180.425	8388.28	3774.89	-3348.87	2362.38	2755125.99	1464433.41	40.6049249	-106.3819081	0.00	
13000.00†	90.729	180.425	8387.01	3872.43	-3448.86	2361.64	2755124.24	1464333.43	40.6046504	-106.3819108	0.00	
13100.00†	90.729	180.425	8385.74	3969.97	-3548.84	2360.90	2755122.50	1464233.46	40.6043759	-106.3819135	0.00	
13200.00†	90.729	180.425	8384.46	4067.51	-3648.83	2360.16	2755120.75	1464133.48	40.6041015	-106.3819162	0.00	
13300.00†	90.729	180.425	8383.19	4165.05	-3748.82	2359.42	2755119.01	1464033.51	40.6038270	-106.3819189	0.00	
13400.00†	90.729	180.425	8381.92	4262.60	-3848.81	2358.68	2755117.26	1463933.53	40.6035526	-106.3819216	0.00	
13500.00†	90.729	180.425	8380.64	4360.14	-3948.80	2357.94	2755115.52	1463833.56	40.6032781	-106.3819243	0.00	
13600.00†	90.729	180.425	8379.37	4457.68	-4048.79	2357.19	2755113.77	1463733.59	40.6030037	-106.3819270	0.00	
13700.00†	90.729	180.425	8378.10	4555.22	-4148.78	2356.45	2755112.03	1463633.61	40.6027292	-106.3819297	0.00	
13800.00†	90.729	180.425	8376.82	4652.76	-4248.77	2355.71	2755110.28	1463533.64	40.6024548	-106.3819324	0.00	
13900.00†	90.729	180.425	8375.55	4750.30	-4348.76	2354.97	2755108.54	1463433.66	40.6021803	-106.3819351	0.00	
13920.47	90.729	180.425	8375.29 [‡]	4770.27	-4369.23	2354.82	2755108.18	1463413.20	40.6021242	-106.3819356	0.00	WP2
14000.00†	93.115	180.425	8372.62	4847.80	-4448.70	2354.23	2755106.79	1463333.73	40.6019060	-106.3819378	3.00	
14100.00†	96.115	180.425	8364.58	4945.02	-4548.36	2353.49	2755105.05	1463234.09	40.6016325	-106.3819405	3.00	
14200.00†	99.115	180.424	8351.33	5041.70	-4647.47	2352.76	2755103.32	1463135.00	40.6013604	-106.3819432	3.00	
14300.00†	102.115	180.424	8332.91	5137.57	-4745.74	2352.03	2755101.61	1463036.74	40.6010907	-106.3819458	3.00	
14400.00†	105.115	180.424	8309.37	5232.36	-4842.92	2351.31	2755099.91	1462939.58	40.6008240	-106.3819484	3.00	
14500.00†	108.115	180.424	8280.78	5325.83	-4938.73	2350.60	2755098.24	1462843.78	40.6005610	-106.3819510	3.00	
14600.00†	111.115	180.424	8247.21	5417.71	-5032.91	2349.90	2755096.60	1462749.61	40.6003025	-106.3819536	3.00	
14649.87	112.611	180.424	8228.64	5462.85	-5079.19	2349.56	2755095.79	1462703.34	40.6001754	-106.3819548	3.00	3D Arc (XS)
14700.00†	112.611	180.424	8209.37	5508.00	-5125.47	2349.22	2755094.99	1462657.07	40.6000484	-106.3819561	0.00	
14800.00†	112.611	180.424	8170.92	5598.05	-5217.78	2348.54	2755093.38	1462564.77	40.5997950	-106.3819586	0.00	
14900.00†	112.611	180.424	8132.47	5688.10	-5310.09	2347.85	2755091.77	1462472.47	40.5995417	-106.3819611	0.00	
14944.57	112.611	180.424	8115.33	5728.23	-5351.23	2347.55	2755091.05	1462431.34	40.5994288	-106.3819622	0.00	End of Tangent (XS)
15000.00†	110.948	180.424	8094.77	5778.45	-5402.70	2347.17	2755090.15	1462379.88	40.5992875	-106.3819636	3.00	
15100.00†	107.948	180.424	8061.48	5870.42	-5496.98	2346.47	2755088.51	1462285.61	40.5990287	-106.3819661	3.00	
15200.00†	104.948	180.425	8033.16	5963.96	-5592.88	2345.76	2755086.83	1462189.73	40.5987655	-106.3819687	3.00	
15300.00†	101.948	180.425	8009.91	6058.83	-5690.12	2345.04	2755085.14	1462092.50	40.5984986	-106.3819713	3.00	
15400.00†	98.948	180.425	7991.78	6154.75	-5788.45	2344.31	2755083.42	1461994.19	40.5982287	-106.3819740	3.00	
15500.00†	95.948	180.426	7978.81	6251.46	-5887.59	2343.57	2755081.69	1461895.06	40.5979565	-106.3819767	3.00	
15551.08	94.416	180.426	7974.20 [‡]	6301.08	-5938.46	2343.19	2755080.80	1461844.20	40.5978169	-106.3819780	3.00	WP3
15600.00†	94.416	180.426	7970.43	6348.66	-5987.23	2342.83	2755079.95	1461795.43	40.5976830	-106.3819794	0.00	
15700.00†	94.416	180.426	7962.73	6445.92	-6086.94	2342.09	2755078.21	1461695.75	40.5974094	-106.3819821	0.00	
15800.00†	94.416	180.426	7955.03	6543.18	-6186.64	2341.35	2755076.46	1461596.06	40.5971357	-106.3819848	0.00	
15900.00†	94.416	180.426	7947.33	6640.44	-6286.34	2340.61	2755074.72	1461496.38	40.5968621	-106.3819875	0.00	
16000.00†	94.416	180.426	7939.63	6737.70	-6386.04	2339.87	2755072.98	1461396.69	40.5965884	-106.3819902	0.00	
16100.00†	94.416	180.426	7931.93	6834.96	-6485.74	2339.13	2755071.24	1461297.01	40.5963148	-106.3819929	0.00	
16200.00†	94.416	180.426	7924.23	6932.22	-6585.44	2338.39	2755069.50	1461197.32	40.5960411	-106.3819956	0.00	
16300.00†	94.416	180.426	7916.53	7029.48	-6685.14	2337.65	2755067.75	1461097.64	40.5957674	-106.3819983	0.00	
16400.00†	94.416	180.426	7908.83	7126.74	-6784.84	2336.90	2755066.01	1460997.95	40.5954938	-106.3820010	0.00	
16500.00†	94.416	180.426	7901.13	7223.99	-6884.54	2336.16	2755064.27	1460898.26	40.5952201	-106.3820037	0.00	
16600.00†	94.416	180.426	7893.43	7321.25	-6984.24	2335.42	2755062.53	1460798.58	40.5949465	-106.3820064	0.00	
16700.00†	94.416	180.426	7885.73	7418.51	-7083.94	2334.68	2755060.79	1460698.89	40.5946728	-106.3820091	0.00	
16800.00†	94.416	180.426	7878.03	7515.77	-7183.64	2333.94	2755059.04	1460599.21	40.5943991	-106.3820118	0.00	
16808.23	94.416	180.426	7877.40 [‡]	7523.78	-7191.85	2333.88	2755058.90	1460591.00	40.5943766	-106.3820120	0.00	WP4



Planned Wellpath Report

JANET 0780 10S-4H9 (REV-C.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	FULCRUM ENERGY OPERATING	Well	JANET 0780 10S-4H9
Field	JACKSON COUNTY (NAD83/TN)	API	05-057-06637
Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

WELLPATH DATA (220 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
16900.00†	97.169	180.423	7868.14	7612.83	-7283.13	2333.20	2755057.31	1460499.73	40.5941260	-106.3820145	3.00	
17000.00†	100.169	180.420	7853.07	7709.26	-7381.98	2332.48	2755055.59	1460400.90	40.5938547	-106.3820171	3.00	
17100.00†	103.169	180.416	7832.84	7804.78	-7479.90	2331.76	2755053.89	1460302.99	40.5935860	-106.3820197	3.00	
17152.73	104.751	180.414	7820.13	7854.69	-7531.06	2331.39	2755053.01	1460251.84	40.5934455	-106.3820211	3.00	3D Arc (XS)
17200.00†	104.751	180.414	7808.09	7899.29	-7576.78	2331.06	2755052.22	1460206.13	40.5933201	-106.3820223	0.00	
17300.00†	104.751	180.414	7782.63	7993.63	-7673.48	2330.36	2755050.55	1460109.44	40.5930546	-106.3820248	0.00	
17400.00†	104.751	180.414	7757.17	8087.97	-7770.18	2329.66	2755048.88	1460012.75	40.5927892	-106.3820274	0.00	
17452.49	104.751	180.414	7743.80 ⁶	8137.49	-7820.94	2329.30	2755048.00	1459962.00	40.5926499	-106.3820287	0.00	WP5
17500.00†	103.801	180.416	7732.09	8182.40	-7866.98	2328.96	2755047.20	1459915.97	40.5925235	-106.3820300	2.00	
17600.00†	101.801	180.420	7709.93	8277.52	-7964.49	2328.25	2755045.51	1459818.48	40.5922559	-106.3820325	2.00	
17700.00†	99.801	180.424	7691.19	8373.34	-8062.71	2327.53	2755043.80	1459720.27	40.5919863	-106.3820352	2.00	
17781.42	98.172	180.427	7678.47	8451.79	-8143.12	2326.93	2755042.40	1459639.87	40.5917655	-106.3820374	2.00	End of 3D Arc (XS)
17800.00†	98.172	180.427	7675.83	8469.73	-8161.52	2326.79	2755042.08	1459621.48	40.5917151	-106.3820379	0.00	
17900.00†	98.172	180.427	7661.62	8566.29	-8260.50	2326.05	2755040.35	1459522.51	40.5914434	-106.3820406	0.00	
18000.00†	98.172	180.427	7647.40	8662.84	-8359.48	2325.32	2755038.61	1459423.54	40.5911717	-106.3820432	0.00	
18100.00†	98.172	180.427	7633.19	8759.40	-8458.46	2324.58	2755036.88	1459324.58	40.5909000	-106.3820459	0.00	
18200.00†	98.172	180.427	7618.97	8855.96	-8557.44	2323.84	2755035.15	1459225.61	40.5906283	-106.3820486	0.00	
18300.00†	98.172	180.427	7604.76	8952.52	-8656.42	2323.10	2755033.42	1459126.64	40.5903566	-106.3820513	0.00	
18400.00†	98.172	180.427	7590.54	9049.07	-8755.41	2322.37	2755031.69	1459027.68	40.5900849	-106.3820540	0.00	
18500.00†	98.172	180.427	7576.33	9145.63	-8854.39	2321.63	2755029.96	1458928.71	40.5898133	-106.3820567	0.00	
18600.00†	98.172	180.427	7562.11	9242.19	-8953.37	2320.89	2755028.23	1458829.74	40.5895416	-106.3820594	0.00	
18700.00†	98.172	180.427	7547.90	9338.75	-9052.35	2320.15	2755026.49	1458730.78	40.5892699	-106.3820621	0.00	
18800.00†	98.172	180.427	7533.68	9435.30	-9151.33	2319.42	2755024.76	1458631.81	40.5889982	-106.3820648	0.00	
18849.82	98.172	180.427	7526.60 ⁷	9483.41	-9200.65	2319.05	2755023.90	1458582.50	40.5888628	-106.3820661	0.00	WP6
18900.00†	97.173	180.519	7519.90	9531.91	-9250.37	2318.64	2755022.99	1458532.78	40.5887263	-106.3820676	2.00	
18990.42	95.372	180.683	7510.02	9619.53	-9340.25	2317.69	2755021.14	1458442.92	40.5884797	-106.3820710	2.00	3D Arc (J)
19000.00†	95.372	180.683	7509.13	9628.82	-9349.78	2317.58	2755020.94	1458433.39	40.5884535	-106.3820714	0.00	
19100.00†	95.372	180.683	7499.76	9725.84	-9449.34	2316.39	2755018.75	1458333.86	40.5881802	-106.3820757	0.00	
19200.00†	95.372	180.683	7490.40	9822.86	-9548.89	2315.21	2755016.56	1458234.32	40.5879070	-106.3820801	0.00	
19300.00†	95.372	180.683	7481.04	9919.88	-9648.44	2314.02	2755014.37	1458134.79	40.5876337	-106.3820844	0.00	
19400.00†	95.372	180.683	7471.68	10016.90	-9748.00	2312.83	2755012.19	1458035.26	40.5873605	-106.3820887	0.00	
19500.00†	95.372	180.683	7462.32	10113.92	-9847.55	2311.64	2755010.00	1457935.72	40.5870872	-106.3820930	0.00	
19600.00†	95.372	180.683	7452.95	10210.94	-9947.10	2310.46	2755007.81	1457836.19	40.5868139	-106.3820973	0.00	
19700.00†	95.372	180.683	7443.59	10307.96	-10046.66	2309.27	2755005.63	1457736.65	40.5865407	-106.3821016	0.00	
19800.00†	95.372	180.683	7434.23	10404.98	-10146.21	2308.08	2755003.44	1457637.12	40.5862674	-106.3821059	0.00	
19900.00†	95.372	180.683	7424.87	10502.00	-10245.77	2306.89	2755001.25	1457537.58	40.5859942	-106.3821102	0.00	
20000.00†	95.372	180.683	7415.51	10599.02	-10345.32	2305.70	2754999.06	1457438.05	40.5857209	-106.3821145	0.00	
20100.00†	95.372	180.683	7406.14	10696.04	-10444.87	2304.52	2754996.88	1457338.52	40.5854477	-106.3821188	0.00	
20200.00†	95.372	180.683	7396.78	10793.06	-10544.43	2303.33	2754994.69	1457238.98	40.5851744	-106.3821231	0.00	
20229.72	95.372	180.683	7394.00 ⁸	10821.90	-10574.01	2302.98	2754994.04	1457209.40	40.5850932	-106.3821244	0.00	BHL



Planned Wellpath Report

JANET 0780 10S-4H9 (REV-C.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	FULCRUM ENERGY OPERATING	Well	JANET 0780 10S-4H9
Field	JACKSON COUNTY (NAD83/TN)	API	05-057-06637
Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.04-T07N-R80W	N/A	6.50	420.34	518.81	2753320.41	1468220.84	40.6152709	-106.3885471	polygon
2D Polygon: dimensions not calculated									
SEC.05-T07N-R80W	N/A	6.50	410.34	518.81	2753320.31	1468210.84	40.6152434	-106.3885471	polygon
2D Polygon: dimensions not calculated									
SEC.09-T07N-R80W	N/A	6.50	399.40	518.01	2753319.39	1468199.90	40.6152134	-106.3885500	polygon
2D Polygon: dimensions not calculated									
SEC.33-T08N-R80W	N/A	6.50	430.34	518.81	2753320.51	1468230.84	40.6152983	-106.3885471	polygon
2D Polygon: dimensions not calculated									
JANET 0780 10S-4H9 BHL Rev-2 (143'FSL & 1642'FWL,SEC.09)	N/A	7394.00	-10574.01	2302.98	2754994.04	1457209.40	40.5850932	-106.3821244	point
8) JANET 0780 10S-4H9 BHL Rev-3 (100'FSL & 1636'FWL,SEC.09)	20229.72	7394.00	-10574.01	2302.98	2754994.04	1457209.40	40.5850932	-106.3821244	point
7) JANET 0780 10S-4H9 WP6	18849.82	7526.60	-9200.65	2319.05	2755023.90	1458582.50	40.5888628	-106.3820661	point
6) JANET 0780 10S-4H9 WP5 Rev-2	17452.49	7743.80	-7820.94	2329.30	2755048.00	1459962.00	40.5926499	-106.3820287	point
5) JANET 0780 10S-4H9 WP4	16808.23	7877.40	-7191.85	2333.88	2755058.90	1460591.00	40.5943766	-106.3820120	point
4) JANET 0780 10S-4H9 WP3	15551.08	7974.20	-5938.46	2343.19	2755080.80	1461844.20	40.5978169	-106.3819780	point
3) JANET 0780 10S-4H9 WP2 Rev-2	13920.47	8375.29	-4369.23	2354.82	2755108.18	1463413.20	40.6021242	-106.3819356	point
2) JANET 0780 10S-4H9 WP1	11736.10	8403.10	-2185.10	2371.01	2755146.30	1465597.00	40.6081192	-106.3818766	point
JANET 0780 10S-4H9 LP Rev-2 (39'FNL & 1517'FWL,SEC.04)	N/A	8433.60	336.07	2388.80	2755189.40	1468117.80	40.6150393	-106.3818116	point

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) JANET 0780 10S-4H9 LP Rev-3 (100'FNL & 1520'FWL,SEC.04)	9276.18	8433.60	274.57	2388.36	2755188.35	1468056.31	40.6148705	-106.3818132	point
JANET 0780 S5 Hardlines (300'FWL & 100'FSL)	N/A	9000.00	399.40	518.01	2753319.39	1468199.90	40.6152134	-106.3885500	polygon
2D Polygon: dimensions not calculated									

SURVEY PROGRAM - Ref Wellbore: JANET 0780 10S-4H9 PWB Ref Wellpath: JANET 0780 10S-4H9 (REV-C.0) PWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
25.50	5004.13	OWSG MWD rev2 - Standard		JANET 0780 10S-4H9 PWB
5004.13	20525.54	BH AutoTrak Curve/eXpress (2019) (HRGM, Short spacing)		JANET 0780 10S-4H9 PWB



Planned Wellpath Report

JANET 0780 10S-4H9 (REV-C.0) PWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	FULCRUM ENERGY OPERATING	Well	JANET 0780 10S-4H9
Field	JACKSON COUNTY (NAD83/TN)	API	05-057-06637
Facility	SEC.04-T07N-R80W	Wellbore	JANET 0780 10S-4H9 PWB
Slot	SLOT#04 JANET 0780 10S-4H9 (378'FNL & 859'FEL,SEC.04)		

DESIGN COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
25.50	0.000	65.167	25.50	Tie On
300.00	0.000	65.167	300.00	End of Tangent
1249.67	18.993	65.167	1232.37	Build (XS)
8043.00	18.993	65.167	7655.85	KOP
9276.18	90.710	180.404	8433.60	LP
11736.10	90.710	180.404	8403.10	WP1
11737.50	90.729	180.425	8403.08	3D Arc (J)
13920.47	90.729	180.425	8375.29	WP2
14649.87	112.611	180.424	8228.64	3D Arc (XS)
14944.57	112.611	180.424	8115.33	End of Tangent (XS)
15551.08	94.416	180.426	7974.20	WP3
16808.23	94.416	180.426	7877.40	WP4
17152.73	104.751	180.414	7820.13	3D Arc (XS)
17452.49	104.751	180.414	7743.80	WP5
17781.42	98.172	180.427	7678.47	End of 3D Arc (XS)
18849.82	98.172	180.427	7526.60	WP6
18990.42	95.372	180.683	7510.02	3D Arc (J)
20229.72	95.372	180.683	7394.00	BHL