





**Planned Wellpath Report**  
 MILLENSIFER FED 37N-E30HZ (PERMIT) PWP  
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**REFERENCE WELLPATH IDENTIFICATION**

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30)
Area	COLORADO	Well	MILLENSIFER FED 37N-E30HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MILLENSIFER FED 37N-E30HZ PWB
Facility	SEC.30-T3N-R66W		

**REPORT SETUP INFORMATION**

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.2
North Reference	True	User	Wilsjef02
Scale	0.999957	Report Generated	8/24/2012 at 09:41:37
Convergence at slot	0.44° East	Database/Source file	WellArchitectDB/MILLENSIFER_FED_37N-E30HZ_PWB.xml

**WELLPATH LOCATION**

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	3190547.45	1317021.50	40°12'05.792"N	104°49'04.163"W
Facility Reference Pt			3190547.45	1317021.50	40°12'05.792"N	104°49'04.163"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

**WELLPATH DATUM**

Calculation method	Minimum curvature	Rig on SLOT#01 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30) (RKB) to Facility Vertical D
Horizontal Reference Pt	Slot	Rig on SLOT#01 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30) (RKB) to Mean Sea Level
Vertical Reference Pt	Rig on SLOT#01 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30) (RKB)	Rig on SLOT#01 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30) (RKB) to Mud Line at Slot (
MD Reference Pt	Rig on SLOT#01 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30) (RKB)	Section Origin
Field Vertical Reference	Mean Sea Level	Section Azimuth



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	MILLENSIFER FED 37N-E30HZ PWB
Facility	SEC.30-T3N-R66W		

WELLPATH DATA (130 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	61.900	0.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
16.00	0.000	61.900	16.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	Tie On
116.00†	0.000	61.900	116.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
216.00†	0.000	61.900	216.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
316.00†	0.000	61.900	316.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
416.00†	0.000	61.900	416.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
516.00†	0.000	61.900	516.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
616.00†	0.000	61.900	616.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
706.00†	0.000	61.900	706.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	FOX HILLS
716.00†	0.000	61.900	716.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	
800.00	0.000	61.900	800.00	0.00	0.00	0.00	40°12'05.792"N	104°49'04.163"W	0.00	End of Tangent
816.00†	0.320	61.900	816.00	-0.01	0.02	0.04	40°12'05.792"N	104°49'04.162"W	2.00	
916.00†	2.320	61.900	915.97	-0.67	1.11	2.07	40°12'05.803"N	104°49'04.136"W	2.00	
1016.00†	4.320	61.900	1015.80	-2.32	3.83	7.18	40°12'05.830"N	104°49'04.070"W	2.00	
1116.00†	6.320	61.900	1115.36	-4.96	8.20	15.36	40°12'05.873"N	104°49'03.965"W	2.00	
1216.00†	8.320	61.900	1214.54	-8.58	14.20	26.60	40°12'05.932"N	104°49'03.820"W	2.00	
1277.90	9.558	61.900	1275.69	-11.32	18.73	35.08	40°12'05.977"N	104°49'03.711"W	2.00	End of Build (J)
1316.00†	9.558	61.900	1313.26	-13.12	21.71	40.66	40°12'06.007"N	104°49'03.639"W	0.00	
1416.00†	9.558	61.900	1411.87	-17.85	29.53	55.31	40°12'06.084"N	104°49'03.450"W	0.00	
1516.00†	9.558	61.900	1510.48	-22.57	37.35	69.96	40°12'06.161"N	104°49'03.261"W	0.00	
1616.00†	9.558	61.900	1609.09	-27.30	45.17	84.60	40°12'06.238"N	104°49'03.073"W	0.00	
1716.00†	9.558	61.900	1707.70	-32.03	53.00	99.25	40°12'06.316"N	104°49'02.884"W	0.00	
1816.00†	9.558	61.900	1806.32	-36.75	60.82	113.90	40°12'06.393"N	104°49'02.695"W	0.00	
1916.00†	9.558	61.900	1904.93	-41.48	68.64	128.55	40°12'06.470"N	104°49'02.506"W	0.00	
2016.00†	9.558	61.900	2003.54	-46.20	76.46	143.19	40°12'06.548"N	104°49'02.318"W	0.00	
2116.00†	9.558	61.900	2102.15	-50.93	84.28	157.84	40°12'06.625"N	104°49'02.129"W	0.00	
2216.00†	9.558	61.900	2200.76	-55.66	92.10	172.49	40°12'06.702"N	104°49'01.940"W	0.00	
2316.00†	9.558	61.900	2299.38	-60.38	99.92	187.14	40°12'06.779"N	104°49'01.751"W	0.00	
2416.00†	9.558	61.900	2397.99	-65.11	107.74	201.78	40°12'06.857"N	104°49'01.562"W	0.00	
2516.00†	9.558	61.900	2496.60	-69.84	115.56	216.43	40°12'06.934"N	104°49'01.374"W	0.00	
2616.00†	9.558	61.900	2595.21	-74.56	123.38	231.08	40°12'07.011"N	104°49'01.185"W	0.00	
2716.00†	9.558	61.900	2693.82	-79.29	131.20	245.72	40°12'07.089"N	104°49'00.996"W	0.00	
2816.00†	9.558	61.900	2792.43	-84.01	139.03	260.37	40°12'07.166"N	104°49'00.807"W	0.00	
2916.00†	9.558	61.900	2891.05	-88.74	146.85	275.02	40°12'07.243"N	104°49'00.619"W	0.00	
3016.00†	9.558	61.900	2989.66	-93.47	154.67	289.67	40°12'07.320"N	104°49'00.430"W	0.00	
3116.00†	9.558	61.900	3088.27	-98.19	162.49	304.31	40°12'07.398"N	104°49'00.241"W	0.00	
3216.00†	9.558	61.900	3186.88	-102.92	170.31	318.96	40°12'07.475"N	104°49'00.052"W	0.00	
3316.00†	9.558	61.900	3285.49	-107.65	178.13	333.61	40°12'07.552"N	104°48'59.864"W	0.00	
3380.40†	9.558	61.900	3349.00	-110.69	183.17	343.04	40°12'07.602"N	104°48'59.742"W	0.00	PARKMAN
3416.00†	9.558	61.900	3384.11	-112.37	185.95	348.26	40°12'07.630"N	104°48'59.675"W	0.00	
3516.00†	9.558	61.900	3482.72	-117.10	193.77	362.90	40°12'07.707"N	104°48'59.486"W	0.00	
3616.00†	9.558	61.900	3581.33	-121.82	201.59	377.55	40°12'07.784"N	104°48'59.297"W	0.00	
3716.00†	9.558	61.900	3679.94	-126.55	209.41	392.20	40°12'07.861"N	104°48'59.108"W	0.00	
3816.00†	9.558	61.900	3778.55	-131.28	217.24	406.85	40°12'07.939"N	104°48'58.920"W	0.00	
3916.00†	9.558	61.900	3877.16	-136.00	225.06	421.49	40°12'08.016"N	104°48'58.731"W	0.00	



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Area	COLORADO	Well	MILLENSIFER FED 37N-E30HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MILLENSIFER FED 37N-E30HZ PWB
Facility	SEC.30-T3N-R66W		

WELLPATH DATA (130 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4016.00†	9.558	61.900	3975.78	-140.73	232.88	436.14	40°12'08.093"N	104°48'58.542"W	0.00	
4116.00†	9.558	61.900	4074.39	-145.46	240.70	450.79	40°12'08.171"N	104°48'58.353"W	0.00	
4216.00†	9.558	61.900	4173.00	-150.18	248.52	465.44	40°12'08.248"N	104°48'58.165"W	0.00	
4297.13†	9.558	61.900	4253.00	-154.02	254.86	477.32	40°12'08.311"N	104°48'58.011"W	0.00	SUSSEX
4316.00†	9.558	61.900	4271.61	-154.91	256.34	480.08	40°12'08.325"N	104°48'57.976"W	0.00	
4416.00†	9.558	61.900	4370.22	-159.63	264.16	494.73	40°12'08.402"N	104°48'57.787"W	0.00	
4516.00†	9.558	61.900	4468.84	-164.36	271.98	509.38	40°12'08.480"N	104°48'57.598"W	0.00	
4616.00†	9.558	61.900	4567.45	-169.09	279.80	524.02	40°12'08.557"N	104°48'57.409"W	0.00	
4716.00†	9.558	61.900	4666.06	-173.81	287.62	538.67	40°12'08.634"N	104°48'57.221"W	0.00	
4816.00†	9.558	61.900	4764.67	-178.54	295.45	553.32	40°12'08.712"N	104°48'57.032"W	0.00	
4916.00†	9.558	61.900	4863.28	-183.27	303.27	567.97	40°12'08.789"N	104°48'56.843"W	0.00	
5016.00†	9.558	61.900	4961.89	-187.99	311.09	582.61	40°12'08.866"N	104°48'56.654"W	0.00	
5116.00†	9.558	61.900	5060.51	-192.72	318.91	597.26	40°12'08.943"N	104°48'56.466"W	0.00	
5216.00†	9.558	61.900	5159.12	-197.44	326.73	611.91	40°12'09.021"N	104°48'56.277"W	0.00	
5316.00†	9.558	61.900	5257.73	-202.17	334.55	626.56	40°12'09.098"N	104°48'56.088"W	0.00	
5416.00†	9.558	61.900	5356.34	-206.90	342.37	641.20	40°12'09.175"N	104°48'55.899"W	0.00	
5516.00†	9.558	61.900	5454.95	-211.62	350.19	655.85	40°12'09.253"N	104°48'55.711"W	0.00	
5616.00†	9.558	61.900	5553.57	-216.35	358.01	670.50	40°12'09.330"N	104°48'55.522"W	0.00	
5716.00†	9.558	61.900	5652.18	-221.08	365.83	685.15	40°12'09.407"N	104°48'55.333"W	0.00	
5816.00†	9.558	61.900	5750.79	-225.80	373.65	699.79	40°12'09.484"N	104°48'55.144"W	0.00	
5916.00†	9.558	61.900	5849.40	-230.53	381.48	714.44	40°12'09.562"N	104°48'54.955"W	0.00	
6016.00†	9.558	61.900	5948.01	-235.25	389.30	729.09	40°12'09.639"N	104°48'54.767"W	0.00	
6116.00†	9.558	61.900	6046.62	-239.98	397.12	743.74	40°12'09.716"N	104°48'54.578"W	0.00	
6216.00†	9.558	61.900	6145.24	-244.71	404.94	758.38	40°12'09.793"N	104°48'54.389"W	0.00	
6316.00†	9.558	61.900	6243.85	-249.43	412.76	773.03	40°12'09.871"N	104°48'54.200"W	0.00	
6416.00†	9.558	61.900	6342.46	-254.16	420.58	787.68	40°12'09.948"N	104°48'54.012"W	0.00	
6516.00†	9.558	61.900	6441.07	-258.89	428.40	802.32	40°12'10.025"N	104°48'53.823"W	0.00	
6553.28	9.558	61.900	6477.83	-260.65	431.32	807.79	40°12'10.054"N	104°48'53.752"W	0.00	End of Tangent (J)
6616.00†	8.628	101.994	6539.83	-260.25	432.79	816.99	40°12'10.069"N	104°48'53.634"W	10.00	
6716.00†	14.457	144.906	6637.93	-245.77	420.99	831.54	40°12'09.952"N	104°48'53.446"W	10.00	
6816.00†	23.282	159.881	6732.51	-214.70	392.15	845.55	40°12'09.667"N	104°48'53.266"W	10.00	
6916.00†	32.766	166.727	6820.71	-167.99	347.14	858.59	40°12'09.222"N	104°48'53.098"W	10.00	
7016.00†	42.468	170.728	6899.84	-107.06	287.33	870.27	40°12'08.631"N	104°48'52.947"W	10.00	
7116.00†	52.265	173.465	6967.49	-33.75	214.54	880.24	40°12'07.912"N	104°48'52.819"W	10.00	
7123.43†	52.995	173.638	6972.00	-27.87	208.68	880.90	40°12'07.854"N	104°48'52.810"W	10.00	SHARON SPRINGS
7216.00†	62.110	175.556	7021.62	49.70	130.99	888.18	40°12'07.086"N	104°48'52.716"W	10.00	
7243.73†	64.845	176.065	7034.00	74.31	106.24	889.99	40°12'06.842"N	104°48'52.693"W	10.00	NIOBRARA A
7316.00†	71.982	177.295	7060.57	140.77	39.20	893.87	40°12'06.179"N	104°48'52.643"W	10.00	
7357.56†	76.088	177.955	7072.00	180.20	-0.71	895.52	40°12'05.785"N	104°48'52.622"W	10.00	NIOBRARA B
7416.00†	81.867	178.847	7083.17	236.67	-58.03	897.12	40°12'05.218"N	104°48'52.601"W	10.00	
7497.54	89.932	180.052	7089.00	316.44	-139.29	897.89	40°12'04.415"N	104°48'52.591"W	10.00	End of 3D Arc (J)
7516.00†	89.932	180.052	7089.02	334.52	-157.75	897.87	40°12'04.233"N	104°48'52.592"W	0.00	
7616.00†	89.932	180.052	7089.14	432.47	-257.75	897.78	40°12'03.245"N	104°48'52.593"W	0.00	
7716.00†	89.932	180.052	7089.25	530.43	-357.75	897.69	40°12'02.257"N	104°48'52.594"W	0.00	
7816.00†	89.932	180.052	7089.37	628.38	-457.75	897.60	40°12'01.268"N	104°48'52.595"W	0.00	



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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7916.00†	89.932	180.052	7089.49	726.33	-557.75	897.51	40°12'00.280"N	104°48'52.596"W	0.00	
8016.00†	89.932	180.052	7089.61	824.28	-657.75	897.42	40°11'59.292"N	104°48'52.598"W	0.00	
8116.00†	89.932	180.052	7089.73	922.23	-757.75	897.33	40°11'58.304"N	104°48'52.599"W	0.00	
8216.00†	89.932	180.052	7089.85	1020.19	-857.75	897.24	40°11'57.316"N	104°48'52.600"W	0.00	
8316.00†	89.932	180.052	7089.96	1118.14	-957.75	897.15	40°11'56.327"N	104°48'52.601"W	0.00	
8416.00†	89.932	180.052	7090.08	1216.09	-1057.75	897.06	40°11'55.339"N	104°48'52.603"W	0.00	
8516.00†	89.932	180.052	7090.20	1314.04	-1157.75	896.96	40°11'54.351"N	104°48'52.604"W	0.00	
8616.00†	89.932	180.052	7090.32	1412.00	-1257.75	896.87	40°11'53.363"N	104°48'52.605"W	0.00	
8716.00†	89.932	180.052	7090.44	1509.95	-1357.75	896.78	40°11'52.375"N	104°48'52.606"W	0.00	
8816.00†	89.932	180.052	7090.56	1607.90	-1457.75	896.69	40°11'51.386"N	104°48'52.607"W	0.00	
8916.00†	89.932	180.052	7090.67	1705.85	-1557.75	896.60	40°11'50.398"N	104°48'52.609"W	0.00	
9016.00†	89.932	180.052	7090.79	1803.80	-1657.75	896.51	40°11'49.410"N	104°48'52.610"W	0.00	
9116.00†	89.932	180.052	7090.91	1901.76	-1757.75	896.42	40°11'48.422"N	104°48'52.611"W	0.00	
9216.00†	89.932	180.052	7091.03	1999.71	-1857.75	896.33	40°11'47.434"N	104°48'52.612"W	0.00	
9316.00†	89.932	180.052	7091.15	2097.66	-1957.75	896.24	40°11'46.445"N	104°48'52.614"W	0.00	
9416.00†	89.932	180.052	7091.27	2195.61	-2057.75	896.14	40°11'45.457"N	104°48'52.615"W	0.00	
9516.00†	89.932	180.052	7091.38	2293.56	-2157.75	896.05	40°11'44.469"N	104°48'52.616"W	0.00	
9616.00†	89.932	180.052	7091.50	2391.52	-2257.75	895.96	40°11'43.481"N	104°48'52.617"W	0.00	
9716.00†	89.932	180.052	7091.62	2489.47	-2357.75	895.87	40°11'42.493"N	104°48'52.618"W	0.00	
9816.00†	89.932	180.052	7091.74	2587.42	-2457.75	895.78	40°11'41.504"N	104°48'52.620"W	0.00	
9916.00†	89.932	180.052	7091.86	2685.37	-2557.75	895.69	40°11'40.516"N	104°48'52.621"W	0.00	
10016.00†	89.932	180.052	7091.97	2783.33	-2657.75	895.60	40°11'39.528"N	104°48'52.622"W	0.00	
10116.00†	89.932	180.052	7092.09	2881.28	-2757.75	895.51	40°11'38.540"N	104°48'52.623"W	0.00	
10216.00†	89.932	180.052	7092.21	2979.23	-2857.75	895.42	40°11'37.552"N	104°48'52.625"W	0.00	
10316.00†	89.932	180.052	7092.33	3077.18	-2957.75	895.32	40°11'36.563"N	104°48'52.626"W	0.00	
10416.00†	89.932	180.052	7092.45	3175.13	-3057.75	895.23	40°11'35.575"N	104°48'52.627"W	0.00	
10516.00†	89.932	180.052	7092.57	3273.09	-3157.75	895.14	40°11'34.587"N	104°48'52.628"W	0.00	
10616.00†	89.932	180.052	7092.68	3371.04	-3257.75	895.05	40°11'33.599"N	104°48'52.629"W	0.00	
10716.00†	89.932	180.052	7092.80	3468.99	-3357.75	894.96	40°11'32.611"N	104°48'52.631"W	0.00	
10816.00†	89.932	180.052	7092.92	3566.94	-3457.75	894.87	40°11'31.622"N	104°48'52.632"W	0.00	
10916.00†	89.932	180.052	7093.04	3664.89	-3557.74	894.78	40°11'30.634"N	104°48'52.633"W	0.00	
11016.00†	89.932	180.052	7093.16	3762.85	-3657.74	894.69	40°11'29.646"N	104°48'52.634"W	0.00	
11116.00†	89.932	180.052	7093.28	3860.80	-3757.74	894.60	40°11'28.658"N	104°48'52.636"W	0.00	
11216.00†	89.932	180.052	7093.39	3958.75	-3857.74	894.51	40°11'27.670"N	104°48'52.637"W	0.00	
11316.00†	89.932	180.052	7093.51	4056.70	-3957.74	894.41	40°11'26.681"N	104°48'52.638"W	0.00	
11416.00†	89.932	180.052	7093.63	4154.65	-4057.74	894.32	40°11'25.693"N	104°48'52.639"W	0.00	
11516.00†	89.932	180.052	7093.75	4252.61	-4157.74	894.23	40°11'24.705"N	104°48'52.640"W	0.00	
11616.00†	89.932	180.052	7093.87	4350.56	-4257.74	894.14	40°11'23.717"N	104°48'52.642"W	0.00	
11716.00†	89.932	180.052	7093.99	4448.51	-4357.74	894.05	40°11'22.729"N	104°48'52.643"W	0.00	
11728.01	89.932	180.052	7094.00†	4460.27	-4369.75	894.04	40°11'22.610"N	104°48'52.643"W	0.00	End of Tangent (J)



## Planned Wellpath Report

MILLENSIFER FED 37N-E30HZ (PERMIT) PWP  
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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30)
Area	COLORADO	Well	MILLENSIFER FED 37N-E30HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MILLENSIFER FED 37N-E30HZ PWB
Facility	SEC.30-T3N-R66W		

HOLE & CASING SECTIONS - Ref Wellbore: MILLENSIFER FED 37N-E30HZ PWB Ref Wellpath: MILLENSIFER FED 37N-E30HZ (PERMIT) 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]
13.5in Open Hole	16.00	700.00	684.00	16.00	700.00	0.00	0.00	0.00	0.00
9.625in Casing Surface	16.00	700.00	684.00	16.00	700.00	0.00	0.00	0.00	0.00
8.75in Open Hole	16.00	7497.54	7481.54	16.00	7089.00	0.00	0.00	-139.29	897.89
7in Casing Intermediate	16.00	7497.54	7481.54	16.00	7089.00	0.00	0.00	-139.29	897.89
6.125in Open Hole	7497.54	11728.01	4230.47	7089.00	NA	-139.29	897.89	NA	NA
4.5in Casing Production	16.00	11728.01	11712.01	16.00	NA	0.00	0.00	NA	NA

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
MILLENSIFER FED 4 PAD SECTION LINES		1.00	0.40	-89.93	3190457.53	1317021.21	40°12'05.796"N	104°49'05.322"W	polygon
1) MILLENSIFER FED 37N-E30HZ BHL ON PLAT (460'FSL & 1115'FEL, SEC.30) REV-1	11728.01	7094.00	-4369.75	894.04	3191475.04	1312658.95	40°11'22.610"N	104°48'52.643"W	point
MILLENSIFER FED 4 PAD HARDLINES (460'SETBACKS)		7301.00	0.40	-89.93	3190457.53	1317021.21	40°12'05.796"N	104°49'05.322"W	polygon

SURVEY PROGRAM - Ref Wellbore: MILLENSIFER FED 37N-E30HZ PWB Ref Wellpath: MILLENSIFER FED 37N-E30HZ (PERMIT) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	7497.54	NaviTrak (Standard)		MILLENSIFER FED 37N-E30HZ PWB
7497.54	11728.01	OnTrak (Standard)		MILLENSIFER FED 37N-E30HZ PWB



**Planned Wellpath Report**  
 MILLENSIFER FED 37N-E30HZ (PERMIT) PWP  
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**REFERENCE WELLPATH IDENTIFICATION**

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 MILLENSIFER FED 37N-E30HZ (473'FNL & 2010'FEL, SEC.30)
Area	COLORADO	Well	MILLENSIFER FED 37N-E30HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MILLENSIFER FED 37N-E30HZ PWB
Facility	SEC.30-T3N-R66W		

**WELLPATH COMMENTS**

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
706.00	0.000	61.900	706.00	FOX HILLS
3380.40	9.558	61.900	3349.00	PARKMAN
4297.13	9.558	61.900	4253.00	SUSSEX
7123.43	52.995	173.638	6972.00	SHARON SPRINGS
7243.73	64.845	176.065	7034.00	NIOBRARA A
7357.56	76.088	177.955	7072.00	NIOBRARA B