



Planned Wellpath Report
 MELBON 19N-W8HZ (PERMIT REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#3 MELBON 19N-W8HZ (2500' FNL & 695' FWL, SEC.17)
Area	COLORADO	Well	MELBON 19N-W8HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MELBON 19N-W8HZ PWB
Facility	SEC.17-T2N-R65W		

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	0.999959	Report Generated	1/4/2013 at 10:22:26
Convergence at slot	0.52° East	Database/Source file	WellArchitectDB/MELBON_19N-W8HZ_PWB.xml

WELLPATH LOCATION	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-0.61	-310.19	3225099.39	1294538.53	40°08'20.749"N	104°41'41.500"W
Facility Reference Pt			3225409.56	1294541.95	40°08'20.755"N	104°41'37.506"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#3 MELBON 19N-W8HZ (2499' FNL & 1125' FWL) (RT) to Facility Vertical Datum
Horizontal Reference Pt	Slot	Rig on SLOT#3 MELBON 19N-W8HZ (2499' FNL & 1125' FWL) (RT) to Mean Sea Level
Vertical Reference Pt	Rig on SLOT#3 MELBON 19N-W8HZ (2499' FNL & 1125' FWL) (RT)	Rig on SLOT#3 MELBON 19N-W8HZ (2499' FNL & 1125' FWL) (RT) to Mud Line at Slot (SLOT#3 MELBON 19N-W8HZ (2500' FNL & 695' FWL) (SEC.17) to Mean Sea Level)
MD Reference Pt	Rig on SLOT#3 MELBON 19N-W8HZ (2499' FNL & 1125' FWL) (RT)	Section Origin
Field Vertical Reference	Mean Sea Level	Section Azimuth



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	MELBON 19N-W8HZ PWB
Facility	SEC.17-T2N-R65W		

WELLPATH DATA (132 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	114.400	0.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
17.00	0.000	114.400	17.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	Tie On
117.00†	0.000	114.400	117.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
217.00†	0.000	114.400	217.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
317.00†	0.000	114.400	317.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
417.00†	0.000	114.400	417.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
517.00†	0.000	114.400	517.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
617.00†	0.000	114.400	617.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
717.00†	0.000	114.400	717.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
817.00†	0.000	114.400	817.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
917.00†	0.000	114.400	917.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
1017.00†	0.000	114.400	1017.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
1117.00†	0.000	114.400	1117.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	
1200.00	0.000	114.400	1200.00	0.00	0.00	0.00	40°08'20.749"N	104°41'41.500"W	0.00	End of Tangent
1217.00†	0.340	114.400	1217.00	-0.02	-0.02	0.05	40°08'20.749"N	104°41'41.499"W	2.00	
1317.00†	2.340	114.400	1316.97	-0.86	-0.99	2.18	40°08'20.739"N	104°41'41.472"W	2.00	
1417.00†	4.340	114.400	1416.79	-2.97	-3.39	7.48	40°08'20.715"N	104°41'41.404"W	2.00	
1517.00†	6.340	114.400	1516.35	-6.34	-7.24	15.96	40°08'20.677"N	104°41'41.295"W	2.00	
1617.00†	8.340	114.400	1615.53	-10.95	-12.52	27.59	40°08'20.625"N	104°41'41.145"W	2.00	
1700.00	10.000	114.400	1697.47	-15.74	-17.98	39.64	40°08'20.571"N	104°41'40.990"W	2.00	End of Build (J)
1717.00†	10.000	114.400	1714.21	-16.80	-19.20	42.32	40°08'20.559"N	104°41'40.955"W	0.00	
1817.00†	10.000	114.400	1812.69	-23.08	-26.37	58.14	40°08'20.488"N	104°41'40.751"W	0.00	
1917.00†	10.000	114.400	1911.17	-29.36	-33.55	73.95	40°08'20.417"N	104°41'40.548"W	0.00	
2017.00†	10.000	114.400	2009.65	-35.64	-40.72	89.77	40°08'20.347"N	104°41'40.344"W	0.00	
2117.00†	10.000	114.400	2108.13	-41.92	-47.89	105.58	40°08'20.276"N	104°41'40.141"W	0.00	
2217.00†	10.000	114.400	2206.61	-48.20	-55.07	121.39	40°08'20.205"N	104°41'39.937"W	0.00	
2317.00†	10.000	114.400	2305.09	-54.48	-62.24	137.21	40°08'20.134"N	104°41'39.733"W	0.00	
2417.00†	10.000	114.400	2403.57	-60.76	-69.41	153.02	40°08'20.063"N	104°41'39.530"W	0.00	
2517.00†	10.000	114.400	2502.05	-67.04	-76.59	168.83	40°08'19.992"N	104°41'39.326"W	0.00	
2585.99	10.000	114.400	2570.00	-71.37	-81.54	179.75	40°08'19.943"N	104°41'39.186"W	0.00	End of Tangent (J)
2617.00†	9.380	114.400	2600.56	-73.25	-83.69	184.50	40°08'19.922"N	104°41'39.124"W	2.00	
2717.00†	7.380	114.400	2699.49	-78.52	-89.71	197.77	40°08'19.862"N	104°41'38.954"W	2.00	
2817.00†	5.380	114.400	2798.87	-82.54	-94.30	207.89	40°08'19.817"N	104°41'38.823"W	2.00	
2917.00†	3.380	114.400	2898.57	-85.30	-97.46	214.84	40°08'19.786"N	104°41'38.734"W	2.00	
3017.00†	1.380	114.400	2998.48	-86.80	-99.17	218.62	40°08'19.769"N	104°41'38.685"W	2.00	
3085.99	0.000	0.513	3067.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	2.00	End of Drop (J)
3117.00†	0.000	0.513	3098.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3217.00†	0.000	0.513	3198.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3317.00†	0.000	0.513	3298.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3417.00†	0.000	0.513	3398.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3517.00†	0.000	0.513	3498.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3617.00†	0.000	0.513	3598.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3717.00†	0.000	0.513	3698.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3817.00†	0.000	0.513	3798.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
3917.00†	0.000	0.513	3898.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	MELBON 19N-W8HZ PWB
Facility	SEC.17-T2N-R65W		

WELLPATH DATA (132 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4017.00†	0.000	0.513	3998.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4029.53†	0.000	0.513	4011.00	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	PARKMAN
4117.00†	0.000	0.513	4098.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4217.00†	0.000	0.513	4198.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4317.00†	0.000	0.513	4298.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4417.00†	0.000	0.513	4398.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4517.00†	0.000	0.513	4498.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4617.00†	0.000	0.513	4598.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4623.53†	0.000	0.513	4605.00	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	SUSSEX
4717.00†	0.000	0.513	4698.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4817.00†	0.000	0.513	4798.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
4917.00†	0.000	0.513	4898.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5017.00†	0.000	0.513	4998.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5117.00†	0.000	0.513	5098.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5217.00†	0.000	0.513	5198.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5317.00†	0.000	0.513	5298.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5417.00†	0.000	0.513	5398.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5517.00†	0.000	0.513	5498.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5617.00†	0.000	0.513	5598.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5717.00†	0.000	0.513	5698.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5817.00†	0.000	0.513	5798.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
5917.00†	0.000	0.513	5898.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6017.00†	0.000	0.513	5998.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6117.00†	0.000	0.513	6098.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6217.00†	0.000	0.513	6198.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6317.00†	0.000	0.513	6298.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6417.00†	0.000	0.513	6398.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6517.00†	0.000	0.513	6498.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6617.00†	0.000	0.513	6598.47	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	
6632.57	0.000	0.513	6614.05	-87.10	-99.52	219.38	40°08'19.766"N	104°41'38.675"W	0.00	End of Tangent (J)
6717.00†	8.443	0.513	6698.17	-80.90	-93.31	219.44	40°08'19.827"N	104°41'38.675"W	10.00	
6817.00†	18.443	0.513	6795.30	-57.71	-70.09	219.64	40°08'20.056"N	104°41'38.672"W	10.00	
6917.00†	28.443	0.513	6886.93	-18.02	-30.36	220.00	40°08'20.449"N	104°41'38.667"W	10.00	
7017.00†	38.443	0.513	6970.27	36.96	24.68	220.49	40°08'20.993"N	104°41'38.661"W	10.00	
7033.44†	40.087	0.513	6983.00	47.35	35.08	220.58	40°08'21.096"N	104°41'38.660"W	10.00	SHARON SPRINGS
7117.00†	48.443	0.513	7042.78	105.56	93.35	221.11	40°08'21.671"N	104°41'38.653"W	10.00	
7124.92†	49.235	0.513	7048.00	111.52	99.32	221.16	40°08'21.730"N	104°41'38.652"W	10.00	NIOBRARA A
7166.53†	53.396	0.513	7074.00	143.95	131.79	221.45	40°08'22.051"N	104°41'38.649"W	10.00	NIOBRARA B
7217.00†	58.443	0.513	7102.27	185.69	173.57	221.82	40°08'22.464"N	104°41'38.644"W	10.00	
7317.00†	68.443	0.513	7146.92	274.93	262.90	222.62	40°08'23.347"N	104°41'38.634"W	10.00	
7410.28†	77.770	0.513	7174.00	363.98	352.05	223.42	40°08'24.228"N	104°41'38.623"W	10.00	NIOBRARA C
7417.00†	78.443	0.513	7175.39	370.56	358.63	223.48	40°08'24.293"N	104°41'38.622"W	10.00	
7517.00†	88.443	0.513	7186.79	469.67	457.85	224.37	40°08'25.273"N	104°41'38.611"W	10.00	
7533.26	90.068	0.513	7187.00	485.90	474.10	224.51	40°08'25.434"N	104°41'38.609"W	10.00	End of Build (J)
7617.00†	90.068	0.513	7186.90	569.55	557.84	225.26	40°08'26.262"N	104°41'38.600"W	0.00	



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7717.00†	90.068	0.513	7186.78	669.44	657.84	226.16	40°08'27.250"N	104°41'38.588"W	0.00	
7817.00†	90.068	0.513	7186.67	769.33	757.83	227.05	40°08'28.238"N	104°41'38.576"W	0.00	
7917.00†	90.068	0.513	7186.55	869.22	857.83	227.95	40°08'29.226"N	104°41'38.565"W	0.00	
8017.00†	90.068	0.513	7186.43	969.11	957.82	228.84	40°08'30.214"N	104°41'38.553"W	0.00	
8117.00†	90.068	0.513	7186.31	1069.00	1057.82	229.73	40°08'31.202"N	104°41'38.542"W	0.00	
8217.00†	90.068	0.513	7186.19	1168.89	1157.82	230.63	40°08'32.191"N	104°41'38.530"W	0.00	
8317.00†	90.068	0.513	7186.07	1268.78	1257.81	231.52	40°08'33.179"N	104°41'38.519"W	0.00	
8417.00†	90.068	0.513	7185.95	1368.67	1357.81	232.42	40°08'34.167"N	104°41'38.507"W	0.00	
8517.00†	90.068	0.513	7185.83	1468.56	1457.80	233.31	40°08'35.155"N	104°41'38.496"W	0.00	
8617.00†	90.068	0.513	7185.72	1568.45	1557.80	234.21	40°08'36.143"N	104°41'38.484"W	0.00	
8717.00†	90.068	0.513	7185.60	1668.34	1657.80	235.10	40°08'37.131"N	104°41'38.473"W	0.00	
8817.00†	90.068	0.513	7185.48	1768.23	1757.79	236.00	40°08'38.120"N	104°41'38.461"W	0.00	
8917.00†	90.068	0.513	7185.36	1868.12	1857.79	236.89	40°08'39.108"N	104°41'38.450"W	0.00	
9017.00†	90.068	0.513	7185.24	1968.01	1957.78	237.79	40°08'40.096"N	104°41'38.438"W	0.00	
9117.00†	90.068	0.513	7185.12	2067.90	2057.78	238.68	40°08'41.084"N	104°41'38.427"W	0.00	
9217.00†	90.068	0.513	7185.00	2167.79	2157.78	239.58	40°08'42.072"N	104°41'38.415"W	0.00	
9317.00†	90.068	0.513	7184.88	2267.68	2257.77	240.47	40°08'43.060"N	104°41'38.403"W	0.00	
9417.00†	90.068	0.513	7184.77	2367.57	2357.77	241.36	40°08'44.049"N	104°41'38.392"W	0.00	
9517.00†	90.068	0.513	7184.65	2467.46	2457.76	242.26	40°08'45.037"N	104°41'38.380"W	0.00	
9617.00†	90.068	0.513	7184.53	2567.35	2557.76	243.15	40°08'46.025"N	104°41'38.369"W	0.00	
9717.00†	90.068	0.513	7184.41	2667.24	2657.76	244.05	40°08'47.013"N	104°41'38.357"W	0.00	
9817.00†	90.068	0.513	7184.29	2767.13	2757.75	244.94	40°08'48.001"N	104°41'38.346"W	0.00	
9917.00†	90.068	0.513	7184.17	2867.02	2857.75	245.84	40°08'48.989"N	104°41'38.334"W	0.00	
10017.00†	90.068	0.513	7184.05	2966.91	2957.74	246.73	40°08'49.978"N	104°41'38.323"W	0.00	
10117.00†	90.068	0.513	7183.93	3066.80	3057.74	247.63	40°08'50.966"N	104°41'38.311"W	0.00	
10217.00†	90.068	0.513	7183.82	3166.69	3157.74	248.52	40°08'51.954"N	104°41'38.300"W	0.00	
10317.00†	90.068	0.513	7183.70	3266.58	3257.73	249.42	40°08'52.942"N	104°41'38.288"W	0.00	
10417.00†	90.068	0.513	7183.58	3366.47	3357.73	250.31	40°08'53.930"N	104°41'38.277"W	0.00	
10517.00†	90.068	0.513	7183.46	3466.36	3457.72	251.21	40°08'54.918"N	104°41'38.265"W	0.00	
10617.00†	90.068	0.513	7183.34	3566.25	3557.72	252.10	40°08'55.907"N	104°41'38.254"W	0.00	
10717.00†	90.068	0.513	7183.22	3666.14	3657.71	253.00	40°08'56.895"N	104°41'38.242"W	0.00	
10817.00†	90.068	0.513	7183.10	3766.03	3757.71	253.89	40°08'57.883"N	104°41'38.230"W	0.00	
10917.00†	90.068	0.513	7182.98	3865.92	3857.71	254.78	40°08'58.871"N	104°41'38.219"W	0.00	
11017.00†	90.068	0.513	7182.86	3965.81	3957.70	255.68	40°08'59.859"N	104°41'38.207"W	0.00	
11117.00†	90.068	0.513	7182.75	4065.70	4057.70	256.57	40°09'00.847"N	104°41'38.196"W	0.00	
11217.00†	90.068	0.513	7182.63	4165.59	4157.69	257.47	40°09'01.836"N	104°41'38.184"W	0.00	
11317.00†	90.068	0.513	7182.51	4265.47	4257.69	258.36	40°09'02.824"N	104°41'38.173"W	0.00	
11417.00†	90.068	0.513	7182.39	4365.36	4357.69	259.26	40°09'03.812"N	104°41'38.161"W	0.00	
11517.00†	90.068	0.513	7182.27	4465.25	4457.68	260.15	40°09'04.800"N	104°41'38.150"W	0.00	
11617.00†	90.068	0.513	7182.15	4565.14	4557.68	261.05	40°09'05.788"N	104°41'38.138"W	0.00	
11717.00†	90.068	0.513	7182.03	4665.03	4657.67	261.94	40°09'06.776"N	104°41'38.127"W	0.00	
11745.27	90.068	0.513	7182.00†	4693.27	4685.94	262.19	40°09'07.056"N	104°41'38.123"W	0.00	End of Tangent (J)



Planned Wellpath Report
MELBON 19N-W8HZ (PERMIT REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#3 MELBON 19N-W8HZ (2500' FNL & 695' FWL, SEC.17)
Area	COLORADO	Well	MELBON 19N-W8HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MELBON 19N-W8HZ PWB
Facility	SEC.17-T2N-R65W		

HOLE & CASING SECTIONS - Ref Wellbore: MELBON 19N-W8HZ PWB Ref Wellpath: MELBON 19N-W8HZ (PERMIT 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]
13.5in Open Hole	17.00	1035.00	1018.00	17.00	1035.00	0.00	0.00	0.00	0.00
9.625in Casing	17.00	1035.00	1018.00	17.00	1035.00	0.00	0.00	0.00	0.00
8.75in Open Hole	1035.00	7533.26	6498.26	1035.00	7187.00	0.00	0.00	474.10	224.51
7in Casing	17.00	7533.26	7516.26	17.00	7187.00	0.00	0.00	474.10	224.51
6.125in Open Hole	7533.26	11745.27	4212.01	7187.00	7182.00	474.10	224.51	4685.94	262.19
4.5in Casing Production	17.00	11745.27	11728.27	17.00	7182.00	0.00	0.00	4685.94	262.19

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SECTION 17 E/W MIDLINE		6.00	0.91	304.84	3225404.19	1294542.21	40°08'20.758"N	104°41'37.575"W	polygon
SECTION 17 LINES		6.00	0.91	304.84	3225404.19	1294542.21	40°08'20.758"N	104°41'37.575"W	polygon
SECTION 17 N/S MIDLINE		6.00	0.91	304.84	3225404.19	1294542.21	40°08'20.758"N	104°41'37.575"W	polygon
SECTION 8 & 17 HARDLINES (460' SETBACKS)		6.00	0.91	304.84	3225404.20	1294542.20	40°08'20.758"N	104°41'37.575"W	polygon
SECTION 8 E/W MIDLINE		6.00	0.91	304.84	3225404.19	1294542.21	40°08'20.758"N	104°41'37.575"W	polygon
SECTION 8 LINES		6.00	0.91	304.84	3225404.19	1294542.21	40°08'20.758"N	104°41'37.575"W	polygon
SECTION 8 N/S MIDLINE		6.00	0.91	304.84	3225404.19	1294542.21	40°08'20.758"N	104°41'37.575"W	polygon
1) MELBON 19N-W8HZ BHL ON PLAT (2186' FSL & 915' FWL)		7182.00	4685.96	262.23	3225319.05	1299226.47	40°09'07.056"N	104°41'38.123"W	point

SURVEY PROGRAM - Ref Wellbore: MELBON 19N-W8HZ PWB Ref Wellpath: MELBON 19N-W8HZ (PERMIT REV-B.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	7533.26	NaviTrak (Standard)		MELBON 19N-W8HZ PWB
7533.26	11745.27	OnTrak (Standard)		MELBON 19N-W8HZ PWB



Planned Wellpath Report
 MELBON 19N-W8HZ (PERMIT REV-B.0) PWP
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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#3 MELBON 19N-W8HZ (2500' FNL & 695' FWL, SEC.17)
Area	COLORADO	Well	MELBON 19N-W8HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MELBON 19N-W8HZ PWB
Facility	SEC.17-T2N-R65W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
4029.53	0.000	0.513	4011.00	PARKMAN
4623.53	0.000	0.513	4605.00	SUSSEX
7033.44	40.087	0.513	6983.00	SHARON SPRINGS
7124.92	49.235	0.513	7048.00	NIOBRARA A
7166.53	53.396	0.513	7074.00	NIOBRARA B
7410.28	77.770	0.513	7174.00	NIOBRARA C