

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#17 MARRS 30N-10HZ (2120'FNL & 795'FWL, SEC.22)
Area	COLORADO	Well	MARRS 30N-10HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MARRS 30N-10HZ AWB
Facility	SEC.22-T1N-R67W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 13 North, US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Painsetr
Scale	0.999601	Report Generated	9/26/2017 at 10:16 AM
Convergence at slot	0.08° East	Database/Source file	WA_DEN_Anadarko_Defn/MARRS_30N-10HZ_AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	2020.63	-3452.50	1673060.91	14540583.53	40°02'16.714"N	104°53'00.132"W
Facility Reference Pt			1676514.95	14538568.71	40°01'56.748"N	104°52'15.744"W
Field Reference Pt			1698235.31	14552047.82	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	NABORS X22 (32') (RT) to Facility Vertical Datum	5025.00ft
Horizontal Reference Pt	Slot	NABORS X22 (32') (RT) to Mean Sea Level	5025.00ft
Vertical Reference Pt	NABORS X22 (32') (RT)	NABORS X22 (32') (RT) to Mud Line at Slot (SLOT#17 MARRS 30N-10HZ (2120'FNL & 795'FWL, SEC.22))	5025.00ft
MD Reference Pt	NABORS X22 (32') (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	0.08°

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Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MARRS 30N-10HZ AWB
Facility	SEC.22-T1N-R67W		

WELLPATH DATA (115 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	266.190	0.00	0.00	0.00	0.00	1673060.91	14540583.53	40°02'16.714"N	104°53'00.132"W	0.00	
32.00	0.000	266.190	32.00	0.00	0.00	0.00	1673060.91	14540583.53	40°02'16.714"N	104°53'00.132"W	0.00	
142.00	1.010	266.190	141.99	-0.07	-0.06	-0.97	1673059.94	14540583.46	40°02'16.713"N	104°53'00.144"W	0.92	FIRST SURFACE MWD+IFR1 SURVEY
174.00	0.880	236.130	173.99	-0.22	-0.22	-1.45	1673059.46	14540583.31	40°02'16.712"N	104°53'00.151"W	1.58	
206.00	1.230	258.280	205.98	-0.43	-0.43	-1.99	1673058.92	14540583.10	40°02'16.710"N	104°53'00.158"W	1.66	
238.00	1.410	262.760	237.98	-0.55	-0.55	-2.72	1673058.19	14540582.98	40°02'16.709"N	104°53'00.167"W	0.65	
269.00	1.580	275.150	268.97	-0.56	-0.56	-3.52	1673057.39	14540582.97	40°02'16.709"N	104°53'00.177"W	1.17	
301.00	2.200	261.180	300.95	-0.62	-0.61	-4.57	1673056.34	14540582.91	40°02'16.708"N	104°53'00.191"W	2.40	
333.00	2.550	258.540	332.92	-0.85	-0.85	-5.87	1673055.04	14540582.68	40°02'16.706"N	104°53'00.208"W	1.15	
364.00	2.550	263.460	363.89	-1.07	-1.06	-7.24	1673053.68	14540582.46	40°02'16.704"N	104°53'00.225"W	0.71	
396.00	2.720	262.320	395.86	-1.26	-1.24	-8.70	1673052.22	14540582.28	40°02'16.702"N	104°53'00.244"W	0.56	
428.00	3.300	234.410	427.81	-1.61	-1.59	-10.34	1673050.58	14540581.92	40°02'16.698"N	104°53'00.265"W	2.23	
460.00	3.120	256.430	459.76	-2.06	-2.05	-12.07	1673048.85	14540581.47	40°02'16.694"N	104°53'00.287"W	0.66	
492.00	3.430	254.500	491.71	-2.53	-2.51	-13.84	1673047.08	14540581.01	40°02'16.689"N	104°53'00.310"W	1.03	
523.00	3.470	245.450	522.65	-3.17	-3.14	-15.58	1673045.34	14540580.37	40°02'16.683"N	104°53'00.332"W	1.76	
555.00	4.440	246.410	554.58	-4.07	-4.04	-17.60	1673043.32	14540579.47	40°02'16.674"N	104°53'00.358"W	3.04	
586.00	4.920	249.050	585.47	-5.03	-5.00	-19.94	1673040.98	14540578.51	40°02'16.665"N	104°53'00.388"W	1.70	
618.00	5.360	249.930	617.35	-6.03	-6.00	-22.63	1673038.30	14540577.50	40°02'16.655"N	104°53'00.423"W	1.40	
649.00	6.420	250.020	648.18	-7.13	-7.09	-25.62	1673035.31	14540576.41	40°02'16.644"N	104°53'00.461"W	3.42	
681.00	7.120	250.810	679.96	-8.39	-8.35	-29.17	1673031.76	14540575.14	40°02'16.631"N	104°53'00.507"W	2.21	
713.00	7.910	250.720	711.68	-9.78	-9.73	-33.12	1673027.82	14540573.76	40°02'16.618"N	104°53'00.558"W	2.47	
745.00	8.700	248.350	743.35	-11.41	-11.35	-37.45	1673023.49	14540572.13	40°02'16.602"N	104°53'00.613"W	2.69	
776.00	9.400	247.200	773.96	-13.26	-13.20	-41.96	1673018.98	14540570.28	40°02'16.584"N	104°53'00.672"W	2.33	
808.00	9.980	247.200	805.50	-15.35	-15.28	-46.93	1673014.02	14540568.19	40°02'16.563"N	104°53'00.735"W	1.81	
839.00	11.030	247.910	835.98	-17.52	-17.44	-52.15	1673008.80	14540566.03	40°02'16.542"N	104°53'00.803"W	3.41	
871.00	11.250	247.290	867.38	-19.88	-19.80	-57.87	1673003.09	14540563.67	40°02'16.518"N	104°53'00.876"W	0.78	
903.00	12.040	248.520	898.72	-22.32	-22.22	-63.85	1672997.11	14540561.23	40°02'16.494"N	104°53'00.953"W	2.59	
966.00	13.540	249.580	960.16	-27.31	-27.20	-76.88	1672984.10	14540556.24	40°02'16.445"N	104°53'01.120"W	2.41	
997.00	14.150	249.930	990.26	-29.89	-29.77	-83.84	1672977.14	14540553.66	40°02'16.420"N	104°53'01.210"W	1.99	
1029.00	14.990	250.540	1021.23	-32.62	-32.49	-91.42	1672969.57	14540550.93	40°02'16.393"N	104°53'01.307"W	2.67	
1061.00	15.120	249.310	1052.13	-35.49	-35.34	-99.22	1672961.77	14540548.07	40°02'16.365"N	104°53'01.408"W	1.08	
1093.00	15.510	248.870	1082.99	-38.52	-38.36	-107.12	1672953.89	14540545.04	40°02'16.335"N	104°53'01.509"W	1.27	
1124.00	16.000	248.440	1112.83	-41.59	-41.43	-114.96	1672946.05	14540541.97	40°02'16.305"N	104°53'01.610"W	1.62	
1156.00	17.010	250.190	1143.51	-44.81	-44.63	-123.46	1672937.56	14540538.75	40°02'16.273"N	104°53'01.719"W	3.52	
1187.00	17.310	249.050	1173.13	-48.01	-47.82	-132.04	1672928.99	14540535.56	40°02'16.241"N	104°53'01.830"W	1.45	
1219.00	17.490	248.440	1203.66	-51.49	-51.29	-140.95	1672920.08	14540532.08	40°02'16.207"N	104°53'01.944"W	0.80	
1251.00	17.360	246.680	1234.20	-55.16	-54.94	-149.81	1672911.23	14540528.41	40°02'16.171"N	104°53'02.058"W	1.70	
1283.00	17.010	247.200	1264.77	-58.88	-58.65	-158.51	1672902.54	14540524.70	40°02'16.134"N	104°53'02.170"W	1.19	
1346.00	17.230	248.520	1324.98	-65.89	-65.64	-175.69	1672885.38	14540517.69	40°02'16.065"N	104°53'02.391"W	0.71	
1377.00	17.010	247.820	1354.60	-69.30	-69.03	-184.16	1672876.92	14540514.29	40°02'16.032"N	104°53'02.500"W	0.97	
1409.00	17.490	248.960	1385.16	-72.80	-72.52	-192.98	1672868.10	14540510.78	40°02'15.997"N	104°53'02.613"W	1.83	
1441.00	17.750	250.190	1415.66	-76.19	-75.90	-202.06	1672859.03	14540507.39	40°02'15.964"N	104°53'02.730"W	1.42	
1472.00	18.330	249.840	1445.14	-79.49	-79.18	-211.08	1672850.02	14540504.10	40°02'15.931"N	104°53'02.846"W	1.90	
1504.00	18.810	250.900	1475.47	-82.92	-82.61	-220.68	1672840.43	14540500.67	40°02'15.898"N	104°53'02.969"W	1.83	
1536.00	18.900	251.340	1505.76	-86.29	-85.95	-230.46	1672830.65	14540497.31	40°02'15.865"N	104°53'03.095"W	0.53	

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WELLPATH DATA (115 stations)												
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
1567.00	18.900	249.140	1535.08	-89.69	-89.35	-239.91	1672821.21	14540493.91	40°02'15.831"N	104°53'03.216"W	2.30	
1599.00	19.600	247.560	1565.30	-93.60	-93.24	-249.72	1672811.42	14540490.00	40°02'15.793"N	104°53'03.343"W	2.73	
1631.00	20.210	248.000	1595.38	-97.74	-97.36	-259.80	1672801.34	14540485.87	40°02'15.752"N	104°53'03.472"W	1.96	
1661.00	20.350	249.140	1623.52	-101.55	-101.16	-269.48	1672791.67	14540482.06	40°02'15.714"N	104°53'03.597"W	1.40	
1693.00	19.510	249.230	1653.61	-105.44	-105.03	-279.68	1672781.48	14540478.17	40°02'15.676"N	104°53'03.728"W	2.63	
1725.00	19.160	248.790	1683.80	-109.25	-108.83	-289.57	1672771.60	14540474.37	40°02'15.639"N	104°53'03.855"W	1.18	
1757.00	19.200	248.520	1714.03	-113.09	-112.66	-299.36	1672761.82	14540470.53	40°02'15.601"N	104°53'03.981"W	0.30	
1789.00	17.970	249.580	1744.36	-116.75	-116.31	-308.88	1672752.30	14540466.87	40°02'15.565"N	104°53'04.103"W	3.99	
1820.00	17.270	251.600	1773.90	-119.89	-119.43	-317.73	1672743.46	14540463.74	40°02'15.534"N	104°53'04.217"W	3.00	
1848.00	17.310	250.540	1800.64	-122.60	-122.13	-325.60	1672735.60	14540461.03	40°02'15.507"N	104°53'04.318"W	1.13	LAST SURFACE MWD+IFR1 SURVEY
1931.00	16.800	251.510	1879.99	-130.55	-130.04	-348.62	1672712.60	14540453.08	40°02'15.429"N	104°53'04.614"W	0.70	FIRST BHGE MWD+IFR1+SC SURVEY 8-3/4" OWB
2025.00	17.100	243.840	1969.91	-140.99	-140.45	-373.91	1672687.33	14540442.65	40°02'15.326"N	104°53'04.939"W	2.40	
2119.00	18.920	239.760	2059.31	-154.79	-154.22	-399.49	1672661.79	14540428.85	40°02'15.190"N	104°53'05.268"W	2.35	
2213.00	19.110	233.460	2148.19	-171.67	-171.05	-425.02	1672636.29	14540411.99	40°02'15.024"N	104°53'05.596"W	2.19	
2308.00	18.210	232.210	2238.19	-190.06	-189.41	-449.24	1672612.10	14540393.61	40°02'14.842"N	104°53'05.908"W	1.04	
2403.00	19.240	231.910	2328.17	-208.85	-208.16	-473.29	1672588.08	14540374.83	40°02'14.657"N	104°53'06.217"W	1.09	
2496.00	17.670	232.810	2416.38	-226.87	-226.15	-496.60	1672564.81	14540356.82	40°02'14.479"N	104°53'06.517"W	1.72	
2590.00	17.940	236.610	2505.88	-243.49	-242.74	-520.05	1672541.39	14540340.21	40°02'14.315"N	104°53'06.818"W	1.27	
2684.00	16.440	238.830	2595.68	-258.38	-257.59	-543.52	1672517.95	14540325.33	40°02'14.168"N	104°53'07.120"W	1.74	
2779.00	13.810	238.650	2687.38	-271.27	-270.45	-564.71	1672496.78	14540312.45	40°02'14.041"N	104°53'07.392"W	2.77	
2873.00	11.130	238.200	2779.16	-281.91	-281.07	-582.00	1672479.51	14540301.81	40°02'13.936"N	104°53'07.615"W	2.85	
2966.00	10.860	233.060	2870.45	-291.93	-291.06	-596.64	1672464.90	14540291.80	40°02'13.838"N	104°53'07.803"W	1.09	
3060.00	11.030	237.940	2962.74	-302.04	-301.16	-611.34	1672450.22	14540281.69	40°02'13.738"N	104°53'07.992"W	1.00	
3153.00	10.200	240.370	3054.15	-310.86	-309.95	-626.03	1672435.54	14540272.88	40°02'13.651"N	104°53'08.181"W	1.01	
3247.00	9.050	240.850	3146.83	-318.60	-317.67	-639.72	1672421.86	14540265.15	40°02'13.575"N	104°53'08.357"W	1.23	
3340.00	7.530	241.930	3238.85	-325.04	-324.10	-651.49	1672410.11	14540258.71	40°02'13.511"N	104°53'08.508"W	1.64	
3434.00	6.590	245.190	3332.14	-330.22	-329.26	-661.82	1672399.79	14540253.53	40°02'13.460"N	104°53'08.641"W	1.09	
3528.00	5.600	245.010	3425.61	-334.43	-333.46	-670.87	1672390.74	14540249.32	40°02'13.419"N	104°53'08.757"W	1.05	
3622.00	4.710	241.320	3519.22	-338.23	-337.25	-678.42	1672383.21	14540245.53	40°02'13.381"N	104°53'08.854"W	1.01	
3717.00	4.120	234.490	3613.94	-342.10	-341.11	-684.62	1672377.02	14540241.66	40°02'13.343"N	104°53'08.934"W	0.83	
3810.00	1.970	220.400	3706.81	-345.26	-344.26	-688.37	1672373.27	14540238.50	40°02'13.312"N	104°53'08.982"W	2.43	
3904.00	0.960	210.160	3800.78	-347.17	-346.18	-689.82	1672371.83	14540236.59	40°02'13.293"N	104°53'09.001"W	1.11	
3998.00	0.560	218.140	3894.77	-348.22	-347.22	-690.50	1672371.15	14540235.55	40°02'13.283"N	104°53'09.009"W	0.44	
4092.00	0.450	226.720	3988.76	-348.83	-347.83	-691.05	1672370.60	14540234.93	40°02'13.277"N	104°53'09.017"W	0.14	
4185.00	0.750	296.140	4081.76	-348.82	-347.81	-691.86	1672369.78	14540234.95	40°02'13.277"N	104°53'09.027"W	0.78	
4279.00	0.810	284.890	4175.75	-348.38	-347.37	-693.05	1672368.59	14540235.39	40°02'13.281"N	104°53'09.042"W	0.17	
4373.00	1.140	280.660	4269.74	-348.04	-347.03	-694.62	1672367.03	14540235.73	40°02'13.284"N	104°53'09.062"W	0.36	
4467.00	1.240	282.200	4363.72	-347.65	-346.64	-696.53	1672365.12	14540236.12	40°02'13.288"N	104°53'09.087"W	0.11	
4561.00	0.630	10.570	4457.71	-346.93	-345.92	-697.43	1672364.22	14540236.84	40°02'13.295"N	104°53'09.099"W	1.46	
4656.00	1.120	305.310	4552.70	-345.88	-344.87	-698.09	1672363.55	14540237.89	40°02'13.306"N	104°53'09.107"W	1.08	
4750.00	1.180	307.390	4646.68	-344.76	-343.75	-699.61	1672362.03	14540239.00	40°02'13.317"N	104°53'09.127"W	0.08	
4843.00	0.960	18.920	4739.67	-343.44	-342.43	-700.12	1672361.52	14540240.32	40°02'13.330"N	104°53'09.133"W	1.36	
4937.00	1.220	150.100	4833.66	-343.57	-342.55	-699.36	1672362.28	14540240.20	40°02'13.329"N	104°53'09.123"W	2.11	
5030.00	1.100	151.880	4926.64	-345.21	-344.20	-698.45	1672363.19	14540238.56	40°02'13.312"N	104°53'09.112"W	0.13	
5124.00	0.910	148.510	5020.62	-346.64	-345.63	-697.63	1672364.01	14540237.12	40°02'13.298"N	104°53'09.101"W	0.21	

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Area	COLORADO	Well	MARRS 30N-10HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MARRS 30N-10HZ AWB
Facility	SEC.22-T1N-R67W		

WELLPATH DATA (115 stations)												
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5217.00	0.990	181.200	5113.61	-348.07	-347.06	-697.26	1672364.38	14540235.69	40°02'13.284"N	104°53'09.096"W	0.58	
5311.00	1.390	204.440	5207.59	-349.92	-348.91	-697.75	1672363.90	14540233.84	40°02'13.266"N	104°53'09.103"W	0.66	
5404.00	1.510	208.090	5300.56	-352.03	-351.02	-698.80	1672362.85	14540231.73	40°02'13.245"N	104°53'09.116"W	0.16	
5498.00	1.150	225.950	5394.54	-353.78	-352.77	-700.06	1672361.60	14540229.98	40°02'13.228"N	104°53'09.132"W	0.58	
5592.00	1.390	144.150	5488.52	-355.36	-354.35	-700.07	1672361.59	14540228.41	40°02'13.212"N	104°53'09.132"W	1.78	
5686.00	0.740	130.370	5582.50	-356.68	-355.67	-698.94	1672362.72	14540227.09	40°02'13.199"N	104°53'09.118"W	0.74	
5780.00	0.370	91.430	5676.50	-357.08	-356.07	-698.17	1672363.49	14540226.69	40°02'13.195"N	104°53'09.108"W	0.54	
5874.00	0.640	30.330	5770.50	-356.63	-355.62	-697.60	1672364.05	14540227.14	40°02'13.200"N	104°53'09.101"W	0.60	
5968.00	0.820	358.600	5864.49	-355.51	-354.50	-697.35	1672364.30	14540228.26	40°02'13.211"N	104°53'09.098"W	0.46	
6062.00	0.870	0.990	5958.48	-354.12	-353.11	-697.36	1672364.29	14540229.65	40°02'13.224"N	104°53'09.098"W	0.07	
6156.00	1.360	6.790	6052.46	-352.30	-351.29	-697.21	1672364.44	14540231.47	40°02'13.242"N	104°53'09.096"W	0.53	
6250.00	1.050	1.290	6146.44	-350.33	-349.32	-697.06	1672364.59	14540233.44	40°02'13.262"N	104°53'09.094"W	0.35	
6344.00	1.020	12.100	6240.43	-348.65	-347.64	-696.87	1672364.78	14540235.12	40°02'13.278"N	104°53'09.091"W	0.21	
6438.00	0.730	7.380	6334.41	-347.24	-346.23	-696.62	1672365.03	14540236.53	40°02'13.292"N	104°53'09.088"W	0.32	
6532.00	0.570	346.980	6428.41	-346.19	-345.18	-696.64	1672365.00	14540237.58	40°02'13.303"N	104°53'09.088"W	0.30	
6626.00	0.520	4.300	6522.40	-345.31	-344.30	-696.72	1672364.92	14540238.46	40°02'13.311"N	104°53'09.089"W	0.18	
6720.00	1.340	46.750	6616.39	-344.13	-343.12	-695.89	1672365.75	14540239.64	40°02'13.323"N	104°53'09.079"W	1.08	
6814.00	1.580	64.220	6710.36	-342.81	-341.81	-693.92	1672367.72	14540240.95	40°02'13.336"N	104°53'09.053"W	0.53	
6908.00	5.560	19.980	6804.17	-337.96	-336.96	-691.19	1672370.44	14540245.80	40°02'13.384"N	104°53'09.018"W	4.85	
7002.00	11.040	21.110	6897.15	-325.27	-324.27	-686.39	1672375.22	14540258.49	40°02'13.509"N	104°53'08.957"W	5.83	
7095.00	16.690	20.220	6987.41	-304.40	-303.42	-678.56	1672383.02	14540279.35	40°02'13.715"N	104°53'08.856"W	6.08	
7189.00	19.590	14.950	7076.73	-276.49	-275.52	-669.83	1672391.71	14540307.24	40°02'13.991"N	104°53'08.744"W	3.54	
7284.00	23.970	15.080	7164.93	-242.44	-241.48	-660.70	1672400.80	14540341.28	40°02'14.328"N	104°53'08.626"W	4.61	
7378.00	31.380	7.770	7248.14	-199.67	-198.73	-652.41	1672409.03	14540384.03	40°02'14.750"N	104°53'08.520"W	8.66	
7471.00	37.380	3.280	7324.87	-147.43	-146.49	-647.51	1672413.85	14540436.25	40°02'15.266"N	104°53'08.457"W	7.00	LAST BHGE MWD+IFR1+SC SURVEY 8-3/4" OWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#17 MARRS 30N-10HZ (2120'FNL & 795'FWL, SEC.22)
Area	COLORADO	Well	MARRS 30N-10HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MARRS 30N-10HZ AWB
Facility	SEC.22-T1N-R67W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.15-T1N-R67W	32.00	0.32	-89.88	1672971.06	14540583.74	40°02'16.717"N	104°53'01.288"W	polygon
SEC.22-T1N-R67W	32.00	0.32	-89.88	1672971.06	14540583.74	40°02'16.717"N	104°53'01.288"W	polygon
MARRS 30N-10HZ HEEL REV-1 (1750'FNL & 106'FWL,SEC.22)	7484.30	367.54	-693.57	1672367.14	14540950.01	40°02'20.346"N	104°53'09.049"W	point
MARRS 30N-10HZ INT. TARGET@4600'VS	7487.30	4601.00	-687.44	1672367.72	14545181.78	40°03'02.182"N	104°53'08.972"W	point
MARRS 30N-10HZ BHL REV-1 (800'FSL & 142'FWL,SEC.10)	7512.30	8192.85	-683.00	1672367.46	14548772.20	40°03'37.678"N	104°53'08.916"W	point
MARRS 30N-10HZ BHL REV-2 (276'FSL & 142'FWL,SEC.10)	7512.30	7668.85	-683.00	1672368.15	14548248.41	40°03'32.499"N	104°53'08.916"W	point
MARRS 30N-10HZ BHL REV-3 (327'FSL & 142'FWL,SEC.10)	7512.30	7719.85	-683.00	1672368.08	14548299.39	40°03'33.003"N	104°53'08.916"W	point
MARRS 30N-10HZ LANDBOX	7512.30	0.00	0.00	1673060.91	14540583.53	40°02'16.714"N	104°53'00.132"W	polygon
MARRS 30N-10HZ RADIUS 1	7512.30	7390.42	-822.97	1672228.60	14547969.90	40°03'29.748"N	104°53'10.716"W	polygon
MARRS 30N-10HZ RADIUS 2	7512.30	795.44	-801.99	1672258.20	14541377.60	40°02'24.575"N	104°53'10.443"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: MARRS 30N-10HZ AWB				Ref Wellpath: MARRS 30N-10HZ AWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model		Log Name/Comment	Wellbore
32.00	1848.00	Custom APC	ISCWSA REV 2 MWD+IFR1 (approximation)	SDI Custom APC ISCWSA Rev-2 MWD+IFR1 <142 - 1848>	MARRS 30N-10HZ AWB
1848.00	7471.00	Custom APC	ISCWSA REV 2 MWD+IFR1+SC (approximation)	BHGE Custom APC ISCWSA Rev-2 MWD+IFR1+SC 8-3/4" <1931 - 7471>	MARRS 30N-10HZ AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#17 MARRS 30N-10HZ (2120'FNL & 795'FWL, SEC.22)
Area	COLORADO	Well	MARRS 30N-10HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MARRS 30N-10HZ AWB
Facility	SEC.22-T1N-R67W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
142.00	1.010	266.190	141.99	FIRST SURFACE MWD+IFR1 SURVEY
1848.00	17.310	250.540	1800.64	LAST SURFACE MWD+IFR1 SURVEY
1931.00	16.800	251.510	1879.99	FIRST BHGE MWD+IFR1+SC SURVEY 8-3/4" OWB
7471.00	37.380	3.280	7324.87	LAST BHGE MWD+IFR1+SC SURVEY 8-3/4" OWB