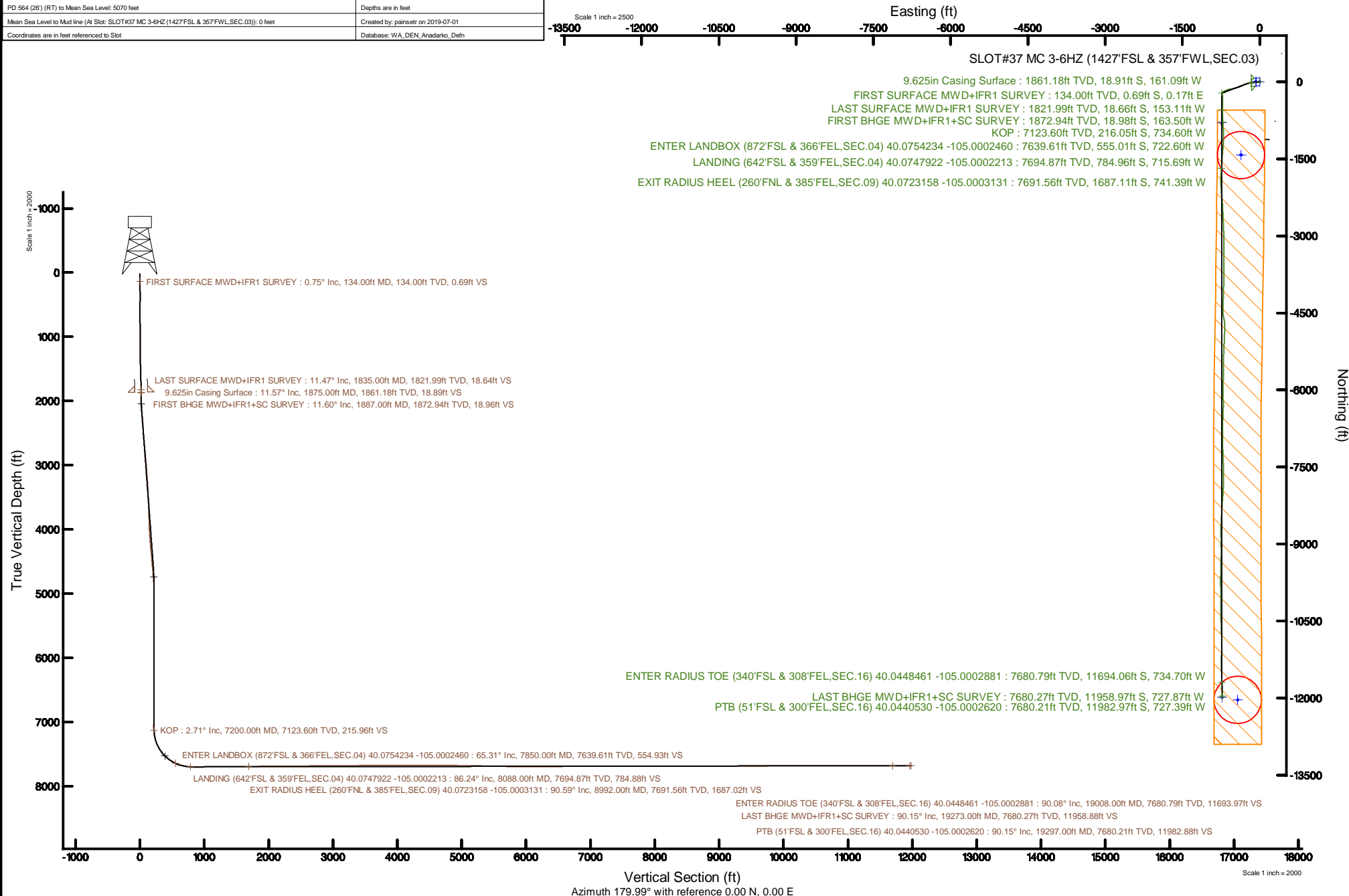


# KERR-MCGEE OIL & GAS ONSHORE LP (WA)

Location: COLORADO Slot: SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)  
 Field: WELD COUNTY (UTM/TRUE NORTH) Well: MC 3-6HZ  
 Facility: SEC.03-T1N-R68W Wellbore: MC 3-6HZ PWB

Plot reference wellpath is MC 3-6HZ PWP Rev-A.0	Grid System: NAD83 / UTM Zone 13 North, US feet
True vertical depths are referenced to PD 564 (26) (RT)	North Reference: True north
Measured depths are referenced to PD 564 (26) (RT)	Scale: True distance
PD 564 (26) (RT) to Mean Sea Level: 5070 feet	Depths are in feet
Mean Sea Level to Mud line (At Slot: SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)): 0 feet	Created by: painsetr on 2019-07-01
Coordinates are in feet referenced to Slot	Database: WA_DEN, Anadarko, Delfi



REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)
Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWB
Facility	SEC.03-T1N-R68W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 13 North, US feet	Software System	WellArchitect® 5.1
North Reference	True	User	Painsetr
Scale	0.999600	Report Generated	7/1/2019 at 10:16:38 AM
Convergence at slot	0.00°	Database/Source file	WA_DEN_Anadarko_Defn/MC_3-6HZ_AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-277.94	-821.08	1641070.13	14554753.18	40°04'37.009"N	104°59'51.590"W
Facility Reference Pt			1641890.86	14555031.06	40°04'39.756"N	104°59'41.028"W
Field Reference Pt			1698235.31	14552047.82	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	PD 564 (26') (RT) to Facility Vertical Datum	5070.00ft
Horizontal Reference Pt	Slot	PD 564 (26') (RT) to Mean Sea Level	5070.00ft
Vertical Reference Pt	PD 564 (26') (RT)	PD 564 (26') (RT) to Mud Line at Slot (SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03))	5070.00ft
MD Reference Pt	PD 564 (26') (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	179.99°

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)
Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (222 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	166.150	0.00	0.00	0.00	0.00	1641070.13	14554753.18	40°04'37.009"N	104°59'51.590"W	0.00	
26.00	0.000	166.150	26.00	0.00	0.00	0.00	1641070.13	14554753.18	40°04'37.009"N	104°59'51.590"W	0.00	
134.00	0.750	166.150	134.00	0.69	-0.69	0.17	1641070.30	14554752.50	40°04'37.002"N	104°59'51.588"W	0.69	FIRST SURFACE MWD+IFR1 SURVEY
229.00	0.660	163.070	228.99	1.81	-1.81	0.48	1641070.61	14554751.37	40°04'36.991"N	104°59'51.584"W	0.10	
324.00	0.400	167.730	323.99	2.66	-2.66	0.71	1641070.84	14554750.52	40°04'36.983"N	104°59'51.581"W	0.28	
419.00	0.530	45.120	418.98	2.68	-2.67	1.09	1641071.22	14554750.51	40°04'36.983"N	104°59'51.576"W	0.86	
515.00	0.830	36.860	514.98	1.81	-1.81	1.82	1641071.95	14554751.38	40°04'36.991"N	104°59'51.567"W	0.33	
610.00	0.400	76.060	609.97	1.18	-1.17	2.56	1641072.69	14554752.01	40°04'36.998"N	104°59'51.558"W	0.61	
705.00	1.360	255.180	704.96	1.38	-1.38	1.79	1641071.92	14554751.80	40°04'36.996"N	104°59'51.567"W	1.85	
800.00	2.240	235.930	799.92	2.71	-2.71	-0.84	1641069.29	14554750.47	40°04'36.982"N	104°59'51.601"W	1.11	
896.00	4.000	257.640	895.77	4.48	-4.48	-5.67	1641064.47	14554748.70	40°04'36.965"N	104°59'51.663"W	2.18	
991.00	5.190	268.010	990.47	5.34	-5.34	-13.20	1641056.94	14554747.85	40°04'36.956"N	104°59'51.760"W	1.52	
1086.00	5.450	271.620	1085.06	5.36	-5.36	-22.00	1641048.14	14554747.82	40°04'36.956"N	104°59'51.873"W	0.45	
1181.00	7.650	266.870	1179.44	5.57	-5.58	-32.83	1641037.32	14554747.61	40°04'36.954"N	104°59'52.013"W	2.38	
1276.00	9.100	264.850	1273.42	6.59	-6.60	-46.62	1641023.53	14554746.59	40°04'36.944"N	104°59'52.190"W	1.56	
1371.00	10.110	265.460	1367.09	7.92	-7.93	-62.42	1641007.74	14554745.25	40°04'36.931"N	104°59'52.393"W	1.07	
1466.00	10.990	263.270	1460.48	9.64	-9.65	-79.72	1640990.44	14554743.53	40°04'36.914"N	104°59'52.616"W	1.02	
1561.00	11.340	262.120	1553.68	11.98	-11.99	-97.97	1640972.20	14554741.19	40°04'36.891"N	104°59'52.851"W	0.44	
1656.00	12.040	261.770	1646.71	14.68	-14.69	-117.03	1640953.15	14554738.49	40°04'36.864"N	104°59'53.096"W	0.74	
1751.00	11.650	262.740	1739.69	17.31	-17.32	-136.35	1640933.84	14554735.86	40°04'36.838"N	104°59'53.344"W	0.46	
1835.00	11.470	268.190	1821.99	18.64	-18.66	-153.11	1640917.08	14554734.53	40°04'36.825"N	104°59'53.560"W	1.32	LAST SURFACE MWD+IFR1 SURVEY
1887.00	11.600	268.240	1872.94	18.96	-18.98	-163.50	1640906.70	14554734.20	40°04'36.822"N	104°59'53.694"W	0.25	FIRST BHGE MWD+IFR1+SC SURVEY
1977.00	12.320	266.460	1960.98	19.83	-19.85	-182.13	1640888.08	14554733.33	40°04'36.813"N	104°59'53.933"W	0.90	
2066.00	12.240	258.660	2047.95	22.27	-22.30	-200.86	1640869.35	14554730.89	40°04'36.789"N	104°59'54.174"W	1.86	
2155.00	12.200	250.380	2134.94	27.28	-27.31	-218.97	1640851.25	14554725.88	40°04'36.739"N	104°59'54.407"W	1.97	
2245.00	12.100	246.390	2222.93	34.25	-34.28	-236.57	1640833.66	14554718.91	40°04'36.670"N	104°59'54.634"W	0.94	
2335.00	11.820	247.410	2310.97	41.57	-41.60	-253.72	1640816.51	14554711.59	40°04'36.598"N	104°59'54.854"W	0.39	
2424.00	10.980	250.100	2398.22	47.95	-47.99	-270.11	1640800.13	14554705.21	40°04'36.535"N	104°59'55.065"W	1.12	
2514.00	12.580	251.460	2486.32	53.98	-54.02	-287.46	1640782.79	14554699.18	40°04'36.475"N	104°59'55.288"W	1.80	
2603.00	12.610	249.310	2573.18	60.50	-60.53	-305.74	1640764.52	14554692.66	40°04'36.411"N	104°59'55.523"W	0.53	
2693.00	11.650	246.630	2661.17	67.57	-67.61	-323.27	1640746.99	14554685.59	40°04'36.341"N	104°59'55.749"W	1.24	
2783.00	12.520	245.480	2749.17	75.22	-75.26	-340.49	1640729.78	14554677.94	40°04'36.265"N	104°59'55.970"W	1.00	
2872.00	12.500	242.090	2836.06	83.73	-83.77	-357.78	1640712.50	14554669.43	40°04'36.181"N	104°59'56.193"W	0.83	
2962.00	11.870	246.140	2924.04	92.03	-92.08	-374.85	1640695.44	14554661.13	40°04'36.099"N	104°59'56.412"W	1.18	
3051.00	12.550	248.960	3011.02	99.20	-99.25	-392.24	1640678.05	14554653.96	40°04'36.028"N	104°59'56.636"W	1.02	
3141.00	11.720	251.280	3099.01	105.65	-105.70	-410.03	1640660.27	14554647.52	40°04'35.965"N	104°59'56.865"W	1.07	
3230.00	12.540	254.020	3186.02	111.21	-111.26	-427.88	1640642.43	14554641.96	40°04'35.910"N	104°59'57.095"W	1.13	
3320.00	12.040	254.280	3273.96	116.44	-116.49	-446.31	1640624.01	14554636.73	40°04'35.858"N	104°59'57.332"W	0.56	
3409.00	11.330	252.660	3361.12	121.56	-121.61	-463.59	1640606.73	14554631.61	40°04'35.807"N	104°59'57.554"W	0.88	
3498.00	10.680	252.150	3448.48	126.69	-126.75	-479.78	1640590.54	14554626.48	40°04'35.757"N	104°59'57.762"W	0.74	
3588.00	12.160	252.990	3536.70	132.01	-132.07	-496.79	1640573.55	14554621.15	40°04'35.704"N	104°59'57.981"W	1.65	
3677.00	11.540	258.430	3623.80	136.54	-136.60	-514.47	1640555.87	14554616.62	40°04'35.659"N	104°59'58.209"W	1.43	
3767.00	11.750	262.950	3711.95	139.47	-139.53	-532.39	1640537.96	14554613.69	40°04'35.630"N	104°59'58.439"W	1.04	
3856.00	12.030	262.710	3799.04	141.75	-141.82	-550.58	1640519.78	14554611.40	40°04'35.608"N	104°59'58.673"W	0.32	
3946.00	11.120	259.960	3887.21	144.46	-144.53	-568.43	1640501.93	14554608.70	40°04'35.581"N	104°59'58.903"W	1.18	

REFERENCE WELLPATH IDENTIFICATION			
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Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWP
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (222 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
4035.00	11.930	260.000	3974.42	147.55	-147.62	-585.94	1640484.43	14554605.61	40°04'35.550"N	104°59'59.128"W	0.91	
4125.00	12.550	254.030	4062.37	151.85	-151.92	-604.50	1640465.87	14554601.30	40°04'35.508"N	104°59'59.367"W	1.57	
4214.00	12.450	248.380	4149.27	158.04	-158.12	-622.72	1640447.67	14554595.11	40°04'35.447"N	104°59'59.601"W	1.38	
4303.00	12.480	247.920	4236.17	165.19	-165.27	-640.55	1640429.84	14554587.96	40°04'35.376"N	104°59'59.830"W	0.12	
4393.00	12.450	245.290	4324.05	172.90	-172.98	-658.37	1640412.03	14554580.25	40°04'35.300"N	105°00'00.060"W	0.63	
4482.00	11.380	244.530	4411.13	180.68	-180.77	-675.02	1640395.39	14554572.47	40°04'35.223"N	105°00'00.274"W	1.22	
4571.00	11.130	244.210	4498.42	188.20	-188.28	-690.68	1640379.74	14554564.96	40°04'35.148"N	105°00'00.475"W	0.29	
4661.00	11.140	237.830	4586.73	196.60	-196.69	-705.86	1640364.56	14554556.55	40°04'35.065"N	105°00'00.671"W	1.37	
4750.00	7.250	228.620	4674.57	204.90	-204.98	-717.36	1640353.07	14554548.26	40°04'34.983"N	105°00'00.818"W	4.66	
4840.00	5.290	213.290	4764.03	212.12	-212.21	-723.90	1640346.53	14554541.04	40°04'34.912"N	105°00'00.903"W	2.85	
4929.00	3.790	206.520	4852.75	218.18	-218.27	-727.46	1640342.97	14554534.98	40°04'34.852"N	105°00'00.948"W	1.79	
5019.00	0.400	194.230	4942.68	221.15	-221.24	-728.87	1640341.56	14554532.02	40°04'34.823"N	105°00'00.967"W	3.78	
5108.00	0.110	252.400	5031.68	221.47	-221.56	-729.02	1640341.41	14554531.69	40°04'34.820"N	105°00'00.969"W	0.40	
5198.00	0.100	230.510	5121.68	221.55	-221.64	-729.17	1640341.26	14554531.61	40°04'34.819"N	105°00'00.970"W	0.05	
5287.00	0.110	200.990	5210.68	221.68	-221.77	-729.26	1640341.17	14554531.48	40°04'34.818"N	105°00'00.972"W	0.06	
5377.00	0.190	313.690	5300.68	221.66	-221.74	-729.40	1640341.03	14554531.51	40°04'34.818"N	105°00'00.973"W	0.28	
5466.00	0.130	283.660	5389.68	221.53	-221.62	-729.60	1640340.83	14554531.63	40°04'34.819"N	105°00'00.976"W	0.11	
5556.00	0.040	287.580	5479.68	221.50	-221.59	-729.73	1640340.70	14554531.67	40°04'34.819"N	105°00'00.978"W	0.10	
5645.00	0.100	324.680	5568.68	221.42	-221.51	-729.81	1640340.62	14554531.74	40°04'34.820"N	105°00'00.979"W	0.08	
5735.00	0.110	302.050	5658.68	221.31	-221.40	-729.92	1640340.51	14554531.85	40°04'34.821"N	105°00'00.980"W	0.05	
5824.00	0.030	269.630	5747.68	221.27	-221.36	-730.02	1640340.41	14554531.89	40°04'34.822"N	105°00'00.981"W	0.10	
5914.00	0.130	1.010	5837.68	221.17	-221.26	-730.04	1640340.39	14554532.00	40°04'34.823"N	105°00'00.982"W	0.15	
6003.00	0.090	255.790	5926.68	221.08	-221.17	-730.11	1640340.32	14554532.08	40°04'34.823"N	105°00'00.982"W	0.20	
6093.00	0.400	226.610	6016.68	221.32	-221.41	-730.40	1640340.03	14554531.85	40°04'34.821"N	105°00'00.986"W	0.36	
6182.00	0.090	23.490	6105.68	221.47	-221.55	-730.60	1640339.83	14554531.70	40°04'34.820"N	105°00'00.989"W	0.54	
6272.00	0.120	312.250	6195.68	221.34	-221.43	-730.64	1640339.79	14554531.83	40°04'34.821"N	105°00'00.989"W	0.14	
6361.00	0.130	308.780	6284.68	221.21	-221.30	-730.79	1640339.64	14554531.95	40°04'34.822"N	105°00'00.991"W	0.01	
6451.00	0.240	341.670	6374.67	220.97	-221.06	-730.93	1640339.50	14554532.19	40°04'34.825"N	105°00'00.993"W	0.17	
6541.00	0.220	349.980	6464.67	220.62	-220.71	-731.02	1640339.41	14554532.54	40°04'34.828"N	105°00'00.994"W	0.04	
6630.00	0.280	303.250	6553.67	220.33	-220.42	-731.23	1640339.20	14554532.83	40°04'34.831"N	105°00'00.997"W	0.23	
6720.00	0.310	17.000	6643.67	219.98	-220.07	-731.34	1640339.09	14554533.18	40°04'34.834"N	105°00'00.998"W	0.39	
6810.00	0.190	337.710	6733.67	219.61	-219.70	-731.33	1640339.10	14554533.55	40°04'34.838"N	105°00'00.998"W	0.23	
6899.00	0.580	325.980	6822.67	219.10	-219.19	-731.64	1640338.79	14554534.06	40°04'34.843"N	105°00'01.002"W	0.44	
6989.00	1.940	319.860	6912.65	217.55	-217.64	-732.87	1640337.56	14554535.61	40°04'34.858"N	105°00'01.018"W	1.52	
7168.00	0.000	8.300	7091.61	215.24	-215.33	-734.83	1640335.60	14554537.92	40°04'34.881"N	105°00'01.043"W	1.08	
7200.00†	2.711	162.600	7123.60	215.96	-216.05	-734.60	1640335.83	14554537.20	40°04'34.874"N	105°00'01.040"W	8.47	KOP
7257.00	7.540	162.600	7180.35	220.82	-220.91	-733.08	1640337.35	14554532.34	40°04'34.826"N	105°00'01.021"W	8.47	
7347.00	16.990	166.930	7268.20	239.30	-239.39	-728.33	1640342.10	14554513.87	40°04'34.643"N	105°00'00.960"W	10.54	
7436.00	24.670	175.490	7351.34	270.54	-270.63	-723.92	1640346.51	14554482.64	40°04'34.335"N	105°00'00.903"W	9.26	
7526.00	32.890	173.840	7430.16	313.64	-313.72	-719.81	1640350.61	14554439.56	40°04'33.909"N	105°00'00.850"W	9.18	
7616.00	41.650	180.210	7501.74	367.96	-368.05	-717.30	1640353.13	14554385.26	40°04'33.372"N	105°00'00.818"W	10.62	
7705.00	51.030	182.960	7563.12	432.24	-432.33	-719.19	1640351.24	14554321.01	40°04'32.737"N	105°00'00.842"W	10.77	
7794.00	59.600	181.350	7613.72	505.30	-505.39	-721.89	1640348.54	14554247.98	40°04'32.015"N	105°00'00.877"W	9.74	
7850.00†	65.310	180.313	7639.61	554.93	-555.01	-722.60	1640347.84	14554198.37	40°04'31.524"N	105°00'00.886"W	10.33	ENTER LANDBOX (872'FSL & 366'FEL,SEC.04) 40.0754234 -105.0002460
7884.00	68.780	179.730	7652.86	586.23	-586.32	-722.61	1640347.83	14554167.08	40°04'31.215"N	105°00'00.886"W	10.33	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)
Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWP
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (222 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
7974.00	77.310	177.890	7679.09	672.21	-672.30	-720.79	1640349.65	14554081.13	40°04'30.365"N	105°00'00.862"W	9.68	
8064.00	84.880	177.100	7693.01	760.98	-761.07	-716.90	1640353.54	14553992.40	40°04'29.488"N	105°00'00.812"W	8.46	
8088.00†	86.244	177.081	7694.87	784.88	-784.96	-715.69	1640354.75	14553968.52	40°04'29.252"N	105°00'00.797"W	5.69	LANDING (642'FSL & 359'FEL,SEC.04) 40.0747922 -105.0002213
8153.00	89.940	177.030	7697.03	849.74	-849.83	-712.35	1640358.09	14553903.67	40°04'28.611"N	105°00'00.754"W	5.69	
8243.00	90.220	175.960	7696.90	939.57	-939.66	-706.85	1640363.59	14553813.88	40°04'27.723"N	105°00'00.683"W	1.23	
8332.00	90.150	178.730	7696.62	1028.47	-1028.56	-702.73	1640367.71	14553725.02	40°04'26.845"N	105°00'00.630"W	3.11	
8422.00	90.120	181.010	7696.41	1118.46	-1118.55	-702.52	1640367.92	14553635.06	40°04'25.955"N	105°00'00.627"W	2.53	
8511.00	90.550	183.130	7695.88	1207.40	-1207.48	-705.74	1640364.71	14553546.16	40°04'25.077"N	105°00'00.669"W	2.43	
8601.00	90.520	185.180	7695.04	1297.15	-1297.24	-712.26	1640358.19	14553456.45	40°04'24.190"N	105°00'00.752"W	2.28	
8690.00	90.490	185.200	7694.26	1385.78	-1385.87	-720.31	1640350.15	14553367.85	40°04'23.314"N	105°00'00.856"W	0.04	
8780.00	90.490	183.360	7693.49	1475.52	-1475.61	-727.02	1640343.44	14553278.14	40°04'22.427"N	105°00'00.942"W	2.04	
8870.00	90.460	183.440	7692.74	1565.36	-1565.45	-732.36	1640338.11	14553188.34	40°04'21.539"N	105°00'01.011"W	0.09	
8959.00	90.620	184.670	7691.91	1654.13	-1654.22	-738.65	1640331.82	14553099.60	40°04'20.662"N	105°00'01.092"W	1.39	
8992.00†	90.594	184.846	7691.56	1687.02	-1687.11	-741.39	1640329.08	14553066.73	40°04'20.337"N	105°00'01.127"W	0.54	EXIT RADIUS HEEL (260'FNL & 385'FEL,SEC.09) 40.0723158 -105.0003131
9049.00	90.550	185.150	7690.99	1743.80	-1743.89	-746.36	1640324.12	14553009.98	40°04'19.776"N	105°00'01.191"W	0.54	
9138.00	90.520	182.690	7690.16	1832.58	-1832.67	-752.44	1640318.04	14552921.23	40°04'18.898"N	105°00'01.269"W	2.76	
9227.00	90.490	179.400	7689.37	1921.55	-1921.64	-754.06	1640316.42	14552832.30	40°04'18.019"N	105°00'01.290"W	3.70	
9317.00	90.520	177.530	7688.58	2011.51	-2011.60	-751.65	1640318.83	14552742.37	40°04'17.130"N	105°00'01.259"W	2.08	
9406.00	90.520	176.570	7687.77	2100.38	-2100.48	-747.07	1640323.41	14552653.53	40°04'16.252"N	105°00'01.200"W	1.08	
9496.00	90.430	175.010	7687.02	2190.14	-2190.23	-740.47	1640330.02	14552563.82	40°04'15.365"N	105°00'01.115"W	1.74	
9585.00	90.520	174.380	7686.29	2278.75	-2278.84	-732.24	1640338.25	14552475.24	40°04'14.489"N	105°00'01.009"W	0.72	
9675.00	90.490	175.580	7685.49	2368.40	-2368.49	-724.36	1640346.12	14552385.62	40°04'13.603"N	105°00'00.908"W	1.33	
9764.00	90.400	177.570	7684.80	2457.24	-2457.33	-719.05	1640351.44	14552296.83	40°04'12.725"N	105°00'00.839"W	2.24	
9854.00	90.520	178.050	7684.08	2547.17	-2547.26	-715.61	1640354.88	14552206.93	40°04'11.837"N	105°00'00.795"W	0.55	
9943.00	90.580	177.320	7683.22	2636.09	-2636.18	-712.01	1640358.47	14552118.04	40°04'10.958"N	105°00'00.749"W	0.82	
10033.00	90.430	176.840	7682.43	2725.97	-2726.06	-707.43	1640363.06	14552028.20	40°04'10.070"N	105°00'00.690"W	0.56	
10122.00	90.520	177.610	7681.69	2814.86	-2814.95	-703.12	1640367.37	14551939.34	40°04'09.191"N	105°00'00.634"W	0.87	
10212.00	90.550	177.970	7680.85	2904.79	-2904.88	-699.65	1640370.84	14551849.45	40°04'08.303"N	105°00'00.590"W	0.40	
10301.00	90.490	178.660	7680.04	2993.75	-2993.84	-697.03	1640373.46	14551760.53	40°04'07.423"N	105°00'00.556"W	0.78	
10391.00	90.460	178.990	7679.30	3083.73	-3083.82	-695.19	1640375.30	14551670.59	40°04'06.534"N	105°00'00.532"W	0.37	
10480.00	90.490	179.460	7678.56	3172.72	-3172.80	-693.98	1640376.51	14551581.64	40°04'05.655"N	105°00'00.517"W	0.53	
10570.00	90.430	179.720	7677.84	3262.71	-3262.80	-693.34	1640377.16	14551491.68	40°04'04.765"N	105°00'00.508"W	0.30	
10659.00	90.520	180.100	7677.10	3351.71	-3351.79	-693.20	1640377.30	14551402.72	40°04'03.886"N	105°00'00.507"W	0.44	
10749.00	90.550	180.530	7676.26	3441.70	-3441.79	-693.69	1640376.81	14551312.76	40°04'02.997"N	105°00'00.513"W	0.48	
10838.00	90.430	180.620	7675.50	3530.70	-3530.78	-694.59	1640375.92	14551223.80	40°04'02.117"N	105°00'00.524"W	0.17	
10928.00	90.460	180.730	7674.80	3620.69	-3620.77	-695.65	1640374.86	14551133.85	40°04'01.228"N	105°00'00.538"W	0.13	
11017.00	90.580	180.990	7673.99	3709.67	-3709.76	-696.98	1640373.53	14551044.90	40°04'00.349"N	105°00'00.555"W	0.32	
11107.00	90.000	180.190	7673.54	3799.67	-3799.75	-697.91	1640372.60	14550954.94	40°03'59.459"N	105°00'00.567"W	1.10	
11196.00	89.970	179.860	7673.56	3888.67	-3888.75	-697.95	1640372.57	14550865.98	40°03'58.580"N	105°00'00.567"W	0.37	
11286.00	90.030	181.950	7673.56	3978.65	-3978.74	-699.37	1640371.15	14550776.03	40°03'57.690"N	105°00'00.586"W	2.32	
11375.00	89.940	182.010	7673.58	4067.60	-4067.68	-702.44	1640368.08	14550687.12	40°03'56.811"N	105°00'00.625"W	0.12	
11465.00	90.000	182.130	7673.63	4157.54	-4157.62	-705.70	1640364.83	14550597.21	40°03'55.923"N	105°00'00.667"W	0.15	
11555.00	89.970	181.170	7673.65	4247.50	-4247.59	-708.29	1640362.24	14550507.29	40°03'55.034"N	105°00'00.700"W	1.07	
11644.00	90.030	182.670	7673.65	4336.45	-4336.53	-711.27	1640359.26	14550418.37	40°03'54.155"N	105°00'00.739"W	1.69	
11733.00	90.310	181.960	7673.39	4425.37	-4425.46	-714.86	1640355.67	14550329.48	40°03'53.276"N	105°00'00.785"W	0.86	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)
Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWP
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (222 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
11823.00	89.350	174.250	7673.66	4515.25	-4515.34	-711.89	1640358.65	14550239.64	40°03'52.388"N	105°00'00.747"W	8.63	
11913.00	89.910	166.500	7674.24	4603.92	-4604.00	-696.85	1640373.68	14550151.01	40°03'51.511"N	105°00'00.553"W	8.63	
12002.00	90.220	174.370	7674.14	4691.61	-4691.70	-682.08	1640388.45	14550063.35	40°03'50.645"N	105°00'00.363"W	8.85	
12092.00	89.350	182.470	7674.48	4781.50	-4781.59	-679.60	1640390.93	14549973.50	40°03'49.757"N	105°00'00.331"W	9.05	
12181.00	88.950	180.760	7675.80	4870.45	-4870.54	-682.11	1640388.43	14549884.58	40°03'48.877"N	105°00'00.363"W	1.97	
12271.00	88.950	181.700	7677.45	4960.42	-4960.50	-684.04	1640386.50	14549794.66	40°03'47.988"N	105°00'00.388"W	1.04	
12360.00	89.050	183.120	7679.00	5049.32	-5049.41	-687.78	1640382.76	14549705.79	40°03'47.110"N	105°00'00.436"W	1.60	
12450.00	89.020	183.370	7680.52	5139.16	-5139.25	-692.87	1640377.67	14549615.98	40°03'46.222"N	105°00'00.502"W	0.28	
12539.00	88.980	182.200	7682.07	5228.04	-5228.13	-697.20	1640373.35	14549527.14	40°03'45.344"N	105°00'00.557"W	1.32	
12629.00	88.860	180.840	7683.77	5317.99	-5318.08	-699.58	1640370.97	14549437.22	40°03'44.455"N	105°00'00.588"W	1.52	
12718.00	89.140	180.810	7685.32	5406.97	-5407.06	-700.86	1640369.69	14549348.28	40°03'43.575"N	105°00'00.604"W	0.32	
12808.00	88.920	180.750	7686.84	5496.95	-5497.04	-702.09	1640368.47	14549258.34	40°03'42.686"N	105°00'00.620"W	0.25	
12897.00	89.080	180.760	7688.40	5585.93	-5586.01	-703.26	1640367.30	14549169.40	40°03'41.807"N	105°00'00.635"W	0.18	
12987.00	89.050	181.070	7689.86	5675.90	-5675.99	-704.70	1640365.86	14549079.45	40°03'40.918"N	105°00'00.654"W	0.35	
13077.00	88.920	181.380	7691.46	5765.87	-5765.96	-706.62	1640363.94	14548989.53	40°03'40.029"N	105°00'00.678"W	0.37	
13166.00	89.050	180.760	7693.03	5854.84	-5854.93	-708.28	1640362.29	14548900.59	40°03'39.150"N	105°00'00.700"W	0.71	
13255.00	88.920	180.600	7694.61	5943.82	-5943.91	-709.34	1640361.23	14548811.65	40°03'38.270"N	105°00'00.713"W	0.23	
13345.00	90.340	179.570	7695.19	6033.81	-6033.90	-709.47	1640361.10	14548721.69	40°03'37.381"N	105°00'00.715"W	1.95	
13434.00	90.250	179.510	7694.73	6122.81	-6122.90	-708.76	1640361.82	14548632.73	40°03'36.501"N	105°00'00.706"W	0.12	
13523.00	90.060	179.130	7694.49	6211.80	-6211.89	-707.70	1640362.88	14548543.77	40°03'35.622"N	105°00'00.692"W	0.48	
13613.00	90.950	180.480	7693.70	6301.80	-6301.88	-707.40	1640363.18	14548453.81	40°03'34.733"N	105°00'00.688"W	1.80	
13703.00	90.770	181.790	7692.35	6391.77	-6391.85	-709.18	1640361.40	14548363.88	40°03'33.844"N	105°00'00.711"W	1.47	
13792.00	90.680	182.100	7691.22	6480.71	-6480.79	-712.20	1640358.39	14548274.97	40°03'32.965"N	105°00'00.750"W	0.36	
13882.00	90.800	182.010	7690.06	6570.64	-6570.73	-715.43	1640355.16	14548185.08	40°03'32.076"N	105°00'00.791"W	0.17	
13971.00	90.620	180.770	7688.96	6659.61	-6659.69	-717.59	1640353.01	14548096.15	40°03'31.197"N	105°00'00.819"W	1.41	
14060.00	90.800	180.940	7687.86	6748.59	-6748.68	-718.91	1640351.68	14548007.20	40°03'30.317"N	105°00'00.836"W	0.28	
14150.00	90.890	179.900	7686.53	6838.58	-6838.66	-719.57	1640351.03	14547917.25	40°03'29.428"N	105°00'00.845"W	1.16	
14239.00	90.800	179.440	7685.22	6927.56	-6927.65	-719.06	1640351.54	14547828.30	40°03'28.549"N	105°00'00.838"W	0.53	
14329.00	90.150	179.000	7684.47	7017.55	-7017.64	-717.84	1640352.77	14547738.34	40°03'27.659"N	105°00'00.822"W	0.87	
14418.00	90.060	179.620	7684.31	7106.55	-7106.63	-716.76	1640353.84	14547649.39	40°03'26.780"N	105°00'00.808"W	0.70	
14508.00	90.150	178.360	7684.14	7196.53	-7196.62	-715.18	1640355.43	14547559.44	40°03'25.891"N	105°00'00.788"W	1.40	
14598.00	90.000	178.870	7684.02	7286.50	-7286.59	-713.00	1640357.61	14547469.50	40°03'25.002"N	105°00'00.760"W	0.59	
14687.00	90.280	176.960	7683.81	7375.44	-7375.53	-709.76	1640360.85	14547380.60	40°03'24.123"N	105°00'00.718"W	2.17	
14776.00	90.090	179.220	7683.52	7464.38	-7464.47	-706.80	1640363.81	14547291.69	40°03'23.244"N	105°00'00.680"W	2.55	
14866.00	89.780	178.850	7683.62	7554.37	-7554.46	-705.28	1640365.33	14547201.74	40°03'22.354"N	105°00'00.660"W	0.54	
14955.00	89.970	178.840	7683.81	7643.35	-7643.44	-703.49	1640367.13	14547112.80	40°03'21.475"N	105°00'00.637"W	0.21	
15045.00	89.880	180.510	7683.93	7733.35	-7733.43	-702.98	1640367.64	14547022.84	40°03'20.586"N	105°00'00.631"W	1.86	
15134.00	90.000	181.720	7684.03	7822.33	-7822.42	-704.71	1640365.91	14546933.89	40°03'19.706"N	105°00'00.653"W	1.37	
15224.00	89.820	182.150	7684.17	7912.28	-7912.36	-707.75	1640362.87	14546843.98	40°03'18.817"N	105°00'00.692"W	0.52	
15313.00	89.910	183.650	7684.38	8001.16	-8001.25	-712.25	1640358.38	14546755.13	40°03'17.939"N	105°00'00.750"W	1.69	
15403.00	90.090	184.650	7684.38	8090.92	-8091.01	-718.76	1640351.87	14546665.41	40°03'17.052"N	105°00'00.834"W	1.13	
15492.00	89.910	184.050	7684.38	8179.67	-8179.75	-725.51	1640345.12	14546576.70	40°03'16.175"N	105°00'00.920"W	0.70	
15582.00	89.880	183.450	7684.54	8269.47	-8269.56	-731.40	1640339.24	14546486.93	40°03'15.288"N	105°00'00.996"W	0.67	
15671.00	89.880	183.040	7684.73	8358.33	-8358.42	-736.44	1640334.21	14546398.11	40°03'14.409"N	105°00'01.061"W	0.46	
15760.00	89.970	182.790	7684.84	8447.21	-8447.30	-740.96	1640329.69	14546309.26	40°03'13.531"N	105°00'01.119"W	0.30	



REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)
Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWP
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (222 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
15850.00	89.880	182.770	7684.96	8537.11	-8537.20	-745.33	1640325.32	14546219.40	40°03'12.643"N	105°00'01.175"W	0.10	
15939.00	89.910	182.420	7685.13	8626.01	-8626.10	-749.36	1640321.30	14546130.53	40°03'11.764"N	105°00'01.227"W	0.39	
16029.00	89.820	180.060	7685.34	8715.99	-8716.08	-751.31	1640319.35	14546040.59	40°03'10.875"N	105°00'01.252"W	2.62	
16118.00	90.060	178.960	7685.43	8804.98	-8805.07	-750.55	1640320.12	14545951.63	40°03'09.996"N	105°00'01.242"W	1.27	
16208.00	90.280	179.580	7685.16	8894.97	-8895.06	-749.40	1640321.27	14545861.67	40°03'09.106"N	105°00'01.227"W	0.73	
16297.00	90.060	180.690	7684.90	8983.97	-8984.06	-749.61	1640321.06	14545772.71	40°03'08.227"N	105°00'01.230"W	1.27	
16387.00	90.090	178.770	7684.78	9073.97	-9074.06	-749.18	1640321.49	14545682.75	40°03'07.337"N	105°00'01.224"W	2.13	
16476.00	90.310	180.350	7684.47	9162.96	-9163.05	-748.50	1640322.17	14545593.80	40°03'06.458"N	105°00'01.216"W	1.79	
16566.00	90.120	181.270	7684.13	9252.95	-9253.04	-749.77	1640320.90	14545503.84	40°03'05.569"N	105°00'01.232"W	1.04	
16655.00	90.000	180.310	7684.04	9341.94	-9342.03	-751.00	1640319.68	14545414.89	40°03'04.689"N	105°00'01.248"W	1.09	
16745.00	90.090	180.690	7683.97	9431.93	-9432.03	-751.79	1640318.89	14545324.93	40°03'03.800"N	105°00'01.258"W	0.43	
16834.00	90.090	181.670	7683.83	9520.91	-9521.01	-753.62	1640317.07	14545235.98	40°03'02.920"N	105°00'01.281"W	1.10	
16924.00	90.120	182.540	7683.66	9610.85	-9610.94	-756.92	1640313.76	14545146.08	40°03'02.032"N	105°00'01.324"W	0.97	
17014.00	90.150	180.890	7683.45	9700.81	-9700.90	-759.62	1640311.07	14545056.16	40°03'01.143"N	105°00'01.358"W	1.83	
17103.00	90.090	178.230	7683.27	9789.80	-9789.89	-758.93	1640311.76	14544967.21	40°03'00.263"N	105°00'01.350"W	2.99	
17193.00	90.090	177.720	7683.13	9879.74	-9879.83	-755.75	1640314.94	14544877.30	40°02'59.374"N	105°00'01.309"W	0.57	
17282.00	90.220	178.520	7682.88	9968.69	-9968.78	-752.83	1640317.86	14544788.38	40°02'58.495"N	105°00'01.271"W	0.91	
17372.00	90.030	181.350	7682.69	10058.68	-10058.78	-752.73	1640317.97	14544698.43	40°02'57.606"N	105°00'01.270"W	3.15	
17461.00	90.000	180.330	7682.66	10147.67	-10147.76	-754.04	1640316.66	14544609.48	40°02'56.727"N	105°00'01.286"W	1.15	
17551.00	90.180	178.860	7682.52	10237.67	-10237.76	-753.40	1640317.30	14544519.52	40°02'55.837"N	105°00'01.278"W	1.65	
17640.00	90.120	180.070	7682.29	10326.66	-10326.75	-752.57	1640318.13	14544430.56	40°02'54.958"N	105°00'01.268"W	1.36	
17730.00	90.280	179.220	7681.98	10416.66	-10416.75	-752.01	1640318.69	14544340.60	40°02'54.069"N	105°00'01.260"W	0.96	
17819.00	90.060	177.780	7681.71	10505.63	-10505.72	-749.68	1640321.03	14544251.67	40°02'53.189"N	105°00'01.230"W	1.64	
17909.00	89.910	178.550	7681.74	10595.58	-10595.67	-746.80	1640323.91	14544161.75	40°02'52.300"N	105°00'01.193"W	0.87	
17999.00	89.630	177.440	7682.10	10685.52	-10685.61	-743.65	1640327.06	14544071.84	40°02'51.412"N	105°00'01.153"W	1.27	
18088.00	89.720	175.850	7682.60	10774.37	-10774.46	-738.44	1640332.27	14543983.04	40°02'50.534"N	105°00'01.086"W	1.79	
18178.00	89.880	178.640	7682.92	10864.25	-10864.34	-734.12	1640336.59	14543893.19	40°02'49.645"N	105°00'01.030"W	3.11	
18267.00	89.940	180.790	7683.06	10953.25	-10953.34	-733.68	1640337.04	14543804.23	40°02'48.766"N	105°00'01.024"W	2.42	
18357.00	90.220	182.960	7682.93	11043.19	-11043.28	-736.62	1640334.10	14543714.32	40°02'47.877"N	105°00'01.062"W	2.43	
18447.00	90.060	181.690	7682.71	11133.12	-11133.21	-740.27	1640330.45	14543624.43	40°02'46.988"N	105°00'01.109"W	1.42	
18536.00	90.150	180.900	7682.55	11222.09	-11222.18	-742.28	1640328.44	14543535.49	40°02'46.109"N	105°00'01.135"W	0.89	
18626.00	90.150	180.030	7682.31	11312.09	-11312.18	-743.01	1640327.71	14543445.53	40°02'45.220"N	105°00'01.144"W	0.97	
18716.00	90.550	179.220	7681.76	11402.08	-11402.17	-742.42	1640328.30	14543355.57	40°02'44.330"N	105°00'01.137"W	1.00	
18805.00	90.180	178.980	7681.19	11491.07	-11491.16	-741.03	1640329.70	14543266.62	40°02'43.451"N	105°00'01.119"W	0.50	
18895.00	90.120	177.910	7680.96	11581.04	-11581.13	-738.58	1640332.15	14543176.69	40°02'42.562"N	105°00'01.087"W	1.19	
18984.00	90.060	178.080	7680.82	11669.98	-11670.07	-735.47	1640335.26	14543087.78	40°02'41.683"N	105°00'01.047"W	0.20	
19008.00†	90.084	178.263	7680.79	11693.97	-11694.06	-734.70	1640336.03	14543063.80	40°02'41.446"N	105°00'01.037"W	0.77	ENTER RADIUS TOE (340'FSL & 308'FEL,SEC.16) 40.0448461 -105.0002881
19073.00	90.150	178.760	7680.66	11758.95	-11759.04	-733.02	1640337.72	14542998.85	40°02'40.804"N	105°00'01.016"W	0.77	
19163.00	90.060	178.370	7680.49	11848.92	-11849.01	-730.76	1640339.97	14542908.92	40°02'39.915"N	105°00'00.987"W	0.44	
19252.00	90.150	178.530	7680.33	11937.89	-11937.98	-728.35	1640342.38	14542819.99	40°02'39.035"N	105°00'00.956"W	0.21	
19273.00	90.150	178.850	7680.27	11958.88	-11958.97	-727.87	1640342.86	14542799.00	40°02'38.828"N	105°00'00.949"W	1.52	LAST BHGE MWD+IFR1+SC SURVEY
19297.00	90.150	178.850	7680.21	11982.88	-11982.97	-727.39	1640343.34	14542775.01	40°02'38.591"N	105°00'00.943"W	0.00	PTB (51'FSL & 300'FEL,SEC.16) 40.0440530 -105.0002620

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)
Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWB
Facility	SEC.03-T1N-R68W		

HOLE & CASING SECTIONS - Ref Wellbore: MC 3-6HZ AWB Ref Wellpath: MC 3-6HZ AWP									
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]
9.625in Casing Surface	26.00	1875.00	1849.00	26.00	1861.18	0.00	0.00	-18.91	-161.09

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.09-T1N-R68W	26.00	0.36	-75.00	1640995.16	14554753.54	40°04'37.013"N	104°59'52.555"W	polygon
SEC.16-T1N-R68W	26.00	0.36	-75.00	1640995.16	14554753.54	40°04'37.013"N	104°59'52.555"W	polygon
MC 3-6HZ BHL REV-1(50'FSL & 306'FEL,SEC.16)	7679.00	-11984.06	-732.75	1640337.99	14542773.92	40°02'38.580"N	105°00'01.012"W	point
MC 3-6HZ HEEL REV-1(630'FSL & 374'FEL,SEC.04)	7697.00	-795.58	-734.05	1640336.40	14553957.90	40°04'29.147"N	105°00'01.033"W	point
MC 3-6HZ LANDBOX	7698.00	0.00	0.00	1641070.13	14554753.18	40°04'37.009"N	104°59'51.590"W	polygon
MC 3-6HZ RADIUS 1	7698.00	-12034.01	-426.12	1640644.50	14542724.00	40°02'38.086"N	104°59'57.069"W	polygon
MC 3-6HZ RADIUS 2	7698.00	-1426.25	-362.11	1640708.20	14553327.50	40°04'22.915"N	104°59'56.248"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: MC 3-6HZ AWB Ref Wellpath: MC 3-6HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
26.00	1835.00	Custom APC_ISCWSA REV 2 MWD+IFR1 (approximation)	Custom APC ISCWSA Rev-2 MWD+IFR1 <134 - 1835>	MC 3-6HZ AWB
1835.00	19273.00	Custom APC_ISCWSA REV 2 MWD+IFR1+SC (approximation)	BHGE Custom APC ISCWSA Rev-2 MWD+IFR1+SC <1887 - 19273>	MC 3-6HZ AWB
19273.00	19297.00	Blind Drilling (std)	Projection to bit	MC 3-6HZ AWB



REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#37 MC 3-6HZ (1427'FSL & 357'FWL,SEC.03)
Area	COLORADO	Well	MC 3-6HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	MC 3-6HZ AWB
Facility	SEC.03-T1N-R68W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
134.00	0.750	166.150	134.00	FIRST SURFACE MWD+IFR1 SURVEY
1835.00	11.470	268.190	1821.99	LAST SURFACE MWD+IFR1 SURVEY
1887.00	11.600	268.240	1872.94	FIRST BHGE MWD+IFR1+SC SURVEY
7200.00	2.711	162.600	7123.60	KOP
7850.00	65.310	180.313	7639.61	ENTER LANDBOX (872'FSL & 366'FEL,SEC.04) 40.0754234 -105.0002460
8088.00	86.244	177.081	7694.87	LANDING (642'FSL & 359'FEL,SEC.04) 40.0747922 -105.0002213
8992.00	90.594	184.846	7691.56	EXIT RADIUS HEEL (260'FNL & 385'FEL,SEC.09) 40.0723158 -105.0003131
19008.00	90.084	178.263	7680.79	ENTER RADIUS TOE (340'FSL & 308'FEL,SEC.16) 40.0448461 -105.0002881
19273.00	90.150	178.850	7680.27	LAST BHGE MWD+IFR1+SC SURVEY
19297.00	90.150	178.850	7680.21	PTB (51'FSL & 300'FEL,SEC.16) 40.0440530 -105.0002620