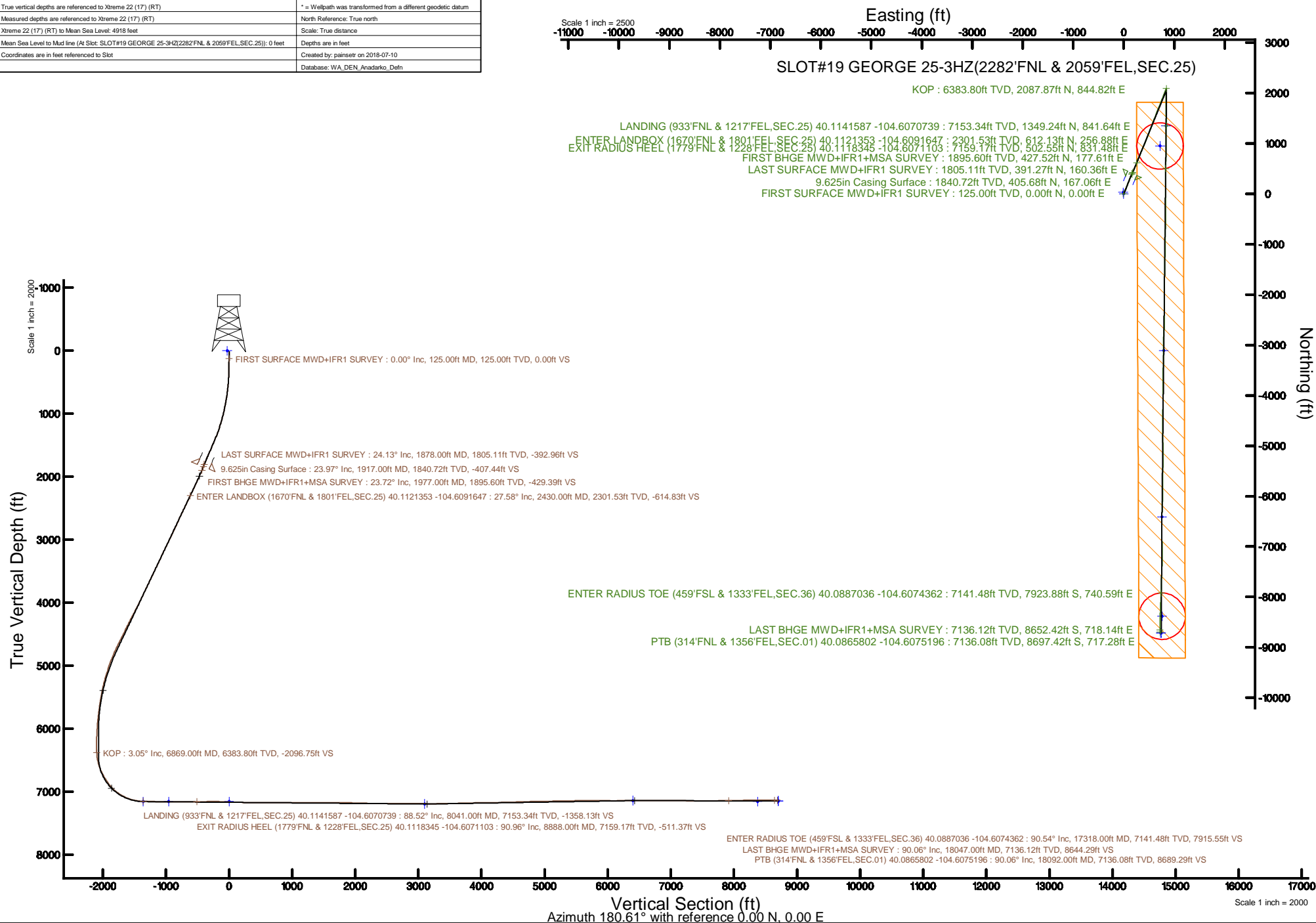


Location:	COLORADO	Slot:	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Field:	WELD COUNTY (UTM/TRUE NORTH)	Well:	GEORGE 25-3HZ
Facility:	SEC.25-T2N-R65W	Wellbore:	GEORGE 25-3HZ PWB
Plot reference wellhead: GEORGE 25-3HZ PWP Rev-A.0		Grid System: NAD83 / UTM Zone 13 North, US feet	
True vertical depths are referenced to Xreme 22 (17) (RT)		* = Wellpath was transformed from a different geoidic datum	
Measured depths are referenced to Xreme 22 (17) (RT)		North Reference: True north	
Xreme 22 (17) (RT) to Mean Sea Level: 4918 feet		Scale: True distance	
Mean Sea Level to Mud line (At Slot: SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)): 0 feet		Depths are in feet	
Coordinates are in feet referenced to Slot		Created by: pairsnet on 2018-07-10	
		Database: WA_DEN_Anadarko_Defn	



# Actual Wellpath Report

GEORGE 25-3HZ AWP

Page 1 of 9

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWB
Facility	SEC.25-T2N-R65W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / UTM Zone 13 North, US feet	Software System	WellArchitect® 5.0
North Reference	True	User	Painsetr
Scale	0.999614	Report Generated	7/10/2018 at 1:52 PM
Convergence at slot	0.26° East	Database/Source file	WA_DEN_Anadarko_Defn/GEORGE_25-3HZ_AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-1837.81	-1578.43	1749437.28	14567193.99	40°06'37.638"N	104°36'36.299"W
Facility Reference Pt			1751006.90	14569038.09	40°06'55.800"N	104°36'15.984"W
Field Reference Pt			1698235.31	14552047.82	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Xtreme 22 (17') (RT) to Facility Vertical Datum	4918.00ft
Horizontal Reference Pt	Slot	Xtreme 22 (17') (RT) to Mean Sea Level	4918.00ft
Vertical Reference Pt	Xtreme 22 (17') (RT)	Xtreme 22 (17') (RT) to Mud Line at Slot (SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25))	4918.00ft
MD Reference Pt	Xtreme 22 (17') (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	180.61°

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (240 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	0.00	274.430	0.00	0.00	0.00	0.00	1749437.27	14567193.99	40°06'37.638"N	104°36'36.299"W	0.00	
17.00	0.000	274.430	17.00	0.00	0.00	0.00	1749437.27	14567193.99	40°06'37.638"N	104°36'36.299"W	0.00	
125.00	0.000	8.030	125.00	0.00	0.00	0.00	1749437.27	14567193.99	40°06'37.638"N	104°36'36.299"W	0.00	FIRST SURFACE MWD+IFR1 SURVEY
157.00	0.620	274.430	157.00	-0.01	0.01	-0.17	1749437.10	14567194.00	40°06'37.638"N	104°36'36.301"W	1.94	
189.00	0.400	313.450	189.00	-0.10	0.10	-0.43	1749436.85	14567194.09	40°06'37.639"N	104°36'36.304"W	1.25	
221.00	1.050	13.480	221.00	-0.46	0.47	-0.44	1749436.83	14567194.45	40°06'37.643"N	104°36'36.305"W	2.87	
252.00	1.410	14.530	251.99	-1.11	1.11	-0.28	1749436.99	14567195.10	40°06'37.649"N	104°36'36.303"W	1.16	
284.00	1.190	24.200	283.98	-1.79	1.80	-0.04	1749437.22	14567195.78	40°06'37.656"N	104°36'36.300"W	0.97	
315.00	1.450	25.700	314.97	-2.44	2.44	0.26	1749437.52	14567196.43	40°06'37.662"N	104°36'36.296"W	0.85	
347.00	1.670	20.950	346.96	-3.25	3.24	0.60	1749437.86	14567197.23	40°06'37.670"N	104°36'36.291"W	0.80	
379.00	2.500	22.970	378.94	-4.33	4.32	1.04	1749438.30	14567198.31	40°06'37.681"N	104°36'36.286"W	2.60	
411.00	2.900	22.440	410.90	-5.73	5.71	1.62	1749438.87	14567199.70	40°06'37.694"N	104°36'36.278"W	1.25	
442.00	3.470	23.240	441.86	-7.32	7.30	2.29	1749439.53	14567201.29	40°06'37.710"N	104°36'36.269"W	1.84	
474.00	4.220	24.640	473.78	-9.29	9.26	3.17	1749440.40	14567203.26	40°06'37.729"N	104°36'36.258"W	2.36	
505.00	5.010	24.640	504.68	-11.57	11.53	4.21	1749441.43	14567205.53	40°06'37.752"N	104°36'36.245"W	2.55	
537.00	5.630	25.700	536.54	-14.27	14.21	5.47	1749442.68	14567208.21	40°06'37.778"N	104°36'36.229"W	1.96	
569.00	6.480	27.370	568.37	-17.30	17.23	6.98	1749444.18	14567211.24	40°06'37.808"N	104°36'36.209"W	2.71	
600.00	7.030	23.760	599.15	-20.61	20.52	8.55	1749445.73	14567214.53	40°06'37.841"N	104°36'36.189"W	2.24	
632.00	7.690	23.670	630.89	-24.38	24.27	10.20	1749447.36	14567218.29	40°06'37.878"N	104°36'36.168"W	2.06	
664.00	8.260	25.260	662.58	-28.44	28.31	12.04	1749449.18	14567222.34	40°06'37.918"N	104°36'36.144"W	1.91	
696.00	8.610	23.590	694.23	-32.73	32.58	13.98	1749451.10	14567226.62	40°06'37.960"N	104°36'36.119"W	1.33	
728.00	8.750	23.850	725.86	-37.17	37.01	15.92	1749453.03	14567231.05	40°06'38.004"N	104°36'36.094"W	0.45	
759.00	9.620	24.910	756.47	-41.70	41.51	17.96	1749455.05	14567235.56	40°06'38.048"N	104°36'36.068"W	2.86	
791.00	10.810	24.730	787.96	-46.88	46.66	20.35	1749457.41	14567240.72	40°06'38.099"N	104°36'36.037"W	3.72	
823.00	11.560	22.270	819.35	-52.60	52.36	22.82	1749459.85	14567246.42	40°06'38.155"N	104°36'36.005"W	2.78	
854.00	12.000	23.230	849.70	-58.46	58.19	25.26	1749462.27	14567252.27	40°06'38.213"N	104°36'35.974"W	1.55	
886.00	12.350	22.620	880.98	-64.70	64.41	27.89	1749464.87	14567258.49	40°06'38.274"N	104°36'35.940"W	1.17	
918.00	12.700	22.440	912.22	-71.14	70.82	30.55	1749467.50	14567264.91	40°06'38.338"N	104°36'35.906"W	1.10	
949.00	13.230	21.660	942.43	-77.61	77.26	33.16	1749470.08	14567271.36	40°06'38.402"N	104°36'35.872"W	1.80	
980.00	13.540	20.770	972.58	-84.33	83.95	35.76	1749472.65	14567278.06	40°06'38.468"N	104°36'35.839"W	1.20	
1012.00	13.890	21.570	1003.67	-91.43	91.03	38.50	1749475.36	14567285.15	40°06'38.538"N	104°36'35.804"W	1.24	
1044.00	15.120	22.270	1034.65	-98.90	98.46	41.49	1749478.32	14567292.59	40°06'38.611"N	104°36'35.765"W	3.88	
1076.00	16.220	21.570	1065.46	-106.95	106.48	44.72	1749481.51	14567300.62	40°06'38.690"N	104°36'35.723"W	3.49	
1108.00	16.170	22.270	1096.19	-115.27	114.76	48.05	1749484.80	14567308.91	40°06'38.772"N	104°36'35.681"W	0.63	
1139.00	16.880	22.180	1125.91	-123.46	122.92	51.38	1749488.10	14567317.09	40°06'38.853"N	104°36'35.638"W	2.29	
1171.00	18.460	21.650	1156.40	-132.51	131.93	55.01	1749491.68	14567326.11	40°06'38.942"N	104°36'35.591"W	4.96	
1203.00	19.510	22.530	1186.66	-142.20	141.58	58.92	1749495.55	14567335.77	40°06'39.037"N	104°36'35.541"W	3.40	
1234.00	19.860	22.000	1215.85	-151.90	151.24	62.88	1749499.47	14567345.45	40°06'39.133"N	104°36'35.490"W	1.27	
1298.00	20.580	21.210	1275.90	-172.56	171.81	71.02	1749507.51	14567366.04	40°06'39.336"N	104°36'35.385"W	1.20	
1329.00	20.740	20.160	1304.91	-182.83	182.04	74.88	1749511.33	14567376.28	40°06'39.437"N	104°36'35.335"W	1.30	
1392.00	23.200	21.740	1363.33	-204.92	204.04	83.33	1749519.67	14567398.31	40°06'39.654"N	104°36'35.227"W	4.02	
1487.00	24.350	20.510	1450.27	-240.79	239.77	97.12	1749533.30	14567434.09	40°06'40.007"N	104°36'35.049"W	1.32	
1519.00	24.920	20.420	1479.35	-253.34	252.27	101.78	1749537.91	14567446.60	40°06'40.131"N	104°36'34.989"W	1.79	
1582.00	24.430	23.850	1536.61	-277.80	276.62	111.68	1749547.70	14567470.99	40°06'40.372"N	104°36'34.862"W	2.40	
1646.00	24.790	22.710	1594.79	-302.39	301.10	122.21	1749558.12	14567495.51	40°06'40.614"N	104°36'34.726"W	0.93	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (240 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
1677.00	25.840	22.440	1622.81	-314.68	313.34	127.30	1749563.15	14567507.76	40°06'40.734"N	104°36'34.661"W	3.41	
1709.00	25.750	21.830	1651.63	-327.63	326.24	132.55	1749568.34	14567520.68	40°06'40.862"N	104°36'34.593"W	0.88	
1740.00	24.740	22.710	1679.66	-339.92	338.48	137.56	1749573.29	14567532.93	40°06'40.983"N	104°36'34.529"W	3.48	
1772.00	24.610	23.060	1708.74	-352.28	350.78	142.75	1749578.43	14567545.26	40°06'41.104"N	104°36'34.462"W	0.61	
1804.00	24.960	22.880	1737.80	-364.69	363.14	147.99	1749583.61	14567557.63	40°06'41.227"N	104°36'34.394"W	1.12	
1878.00	24.130	24.630	1805.11	-392.96	391.27	160.36	1749595.86	14567585.81	40°06'41.505"N	104°36'34.235"W	1.49	LAST SURFACE MWD+IFR1 SURVEY
1977.00	23.720	26.260	1895.60	-429.39	427.52	177.61	1749612.94	14567622.12	40°06'41.863"N	104°36'34.013"W	0.79	FIRST BHGE MWD+IFR1+MSA SURVEY
2064.00	25.660	23.420	1974.65	-462.53	460.51	192.84	1749628.02	14567655.15	40°06'42.189"N	104°36'33.817"W	2.61	
2151.00	27.050	24.280	2052.60	-498.02	495.83	208.46	1749643.48	14567690.53	40°06'42.538"N	104°36'33.616"W	1.66	
2239.00	26.350	22.890	2131.22	-534.42	532.06	224.28	1749659.14	14567726.82	40°06'42.896"N	104°36'33.412"W	1.07	
2326.00	26.570	21.830	2209.11	-570.42	567.91	239.03	1749673.72	14567762.72	40°06'43.250"N	104°36'33.223"W	0.60	
2414.00	27.860	22.120	2287.36	-607.90	605.23	254.09	1749688.61	14567800.09	40°06'43.619"N	104°36'33.029"W	1.47	
2430.00†	27.579	21.878	2301.53	-614.83	612.13	256.88	1749691.37	14567807.00	40°06'43.687"N	104°36'32.993"W	1.89	ENTER LANDBOX (1670'FNL & 1801'FEL,SEC.25) 40.1121353 -104.6091647
2502.00	26.320	20.730	2365.71	-645.35	642.52	268.74	1749703.09	14567837.43	40°06'43.987"N	104°36'32.840"W	1.89	
2589.00	26.970	22.840	2443.47	-681.72	678.74	283.22	1749717.41	14567873.70	40°06'44.345"N	104°36'32.654"W	1.32	
2677.00	27.670	21.850	2521.66	-719.24	716.10	298.58	1749732.59	14567911.11	40°06'44.715"N	104°36'32.456"W	0.95	
2764.00	27.350	21.880	2598.82	-756.69	753.40	313.54	1749747.39	14567948.46	40°06'45.083"N	104°36'32.263"W	0.37	
2851.00	25.780	20.490	2676.63	-793.11	789.67	327.61	1749761.30	14567984.77	40°06'45.442"N	104°36'32.082"W	1.94	
2939.00	25.880	22.290	2755.84	-828.95	825.36	341.60	1749775.12	14568020.52	40°06'45.794"N	104°36'31.902"W	0.90	
3027.00	26.170	23.240	2834.92	-864.71	860.96	356.54	1749789.90	14568056.17	40°06'46.146"N	104°36'31.710"W	0.58	
3114.00	27.620	22.910	2912.51	-901.08	897.17	371.96	1749805.15	14568092.43	40°06'46.504"N	104°36'31.512"W	1.68	
3202.00	28.880	22.510	2990.02	-939.67	935.59	388.04	1749821.06	14568130.91	40°06'46.884"N	104°36'31.305"W	1.45	
3289.00	27.020	22.110	3066.87	-977.55	973.31	403.52	1749836.37	14568168.68	40°06'47.256"N	104°36'31.105"W	2.15	
3376.00	28.300	22.660	3143.93	-1015.06	1010.66	418.90	1749851.58	14568206.08	40°06'47.625"N	104°36'30.907"W	1.50	
3464.00	26.510	22.060	3222.05	-1052.67	1048.11	434.32	1749866.83	14568243.58	40°06'47.996"N	104°36'30.709"W	2.06	
3577.00	26.790	23.580	3323.04	-1099.59	1094.82	453.98	1749886.27	14568290.36	40°06'48.457"N	104°36'30.456"W	0.65	
3664.00	26.730	19.300	3400.73	-1136.18	1131.26	468.29	1749900.42	14568326.85	40°06'48.817"N	104°36'30.272"W	2.22	
3752.00	26.590	21.840	3479.38	-1173.29	1168.22	482.16	1749914.12	14568363.86	40°06'49.182"N	104°36'30.093"W	1.30	
3840.00	26.690	21.880	3558.04	-1210.06	1204.84	496.85	1749928.64	14568400.53	40°06'49.544"N	104°36'29.904"W	0.12	
3927.00	28.100	22.970	3635.28	-1247.22	1241.84	512.13	1749943.75	14568437.58	40°06'49.910"N	104°36'29.707"W	1.72	
4014.00	27.720	22.040	3712.16	-1285.01	1279.46	527.71	1749959.17	14568475.25	40°06'50.282"N	104°36'29.507"W	0.66	
4101.00	26.730	22.550	3789.52	-1321.99	1316.29	542.81	1749974.10	14568512.13	40°06'50.646"N	104°36'29.312"W	1.17	
4189.00	26.430	18.790	3868.23	-1358.96	1353.11	556.71	1749987.83	14568549.00	40°06'51.010"N	104°36'29.134"W	1.94	
4277.00	27.180	17.730	3946.77	-1396.77	1390.79	569.14	1750000.09	14568586.72	40°06'51.382"N	104°36'28.974"W	1.01	
4364.00	28.060	22.340	4023.87	-1434.78	1428.65	582.97	1750013.75	14568624.62	40°06'51.756"N	104°36'28.796"W	2.66	
4451.00	30.030	22.150	4099.92	-1474.04	1467.74	598.96	1750029.56	14568663.77	40°06'52.142"N	104°36'28.590"W	2.27	
4539.00	28.650	21.780	4176.63	-1514.20	1507.73	615.09	1750045.51	14568703.81	40°06'52.538"N	104°36'28.382"W	1.58	
4627.00	28.550	20.560	4253.89	-1553.63	1547.01	630.30	1750060.54	14568743.15	40°06'52.926"N	104°36'28.186"W	0.67	
4714.00	28.640	19.140	4330.28	-1592.95	1586.18	644.44	1750074.50	14568782.35	40°06'53.313"N	104°36'28.004"W	0.79	
4801.00	26.970	20.920	4407.24	-1631.22	1624.30	658.32	1750088.21	14568820.53	40°06'53.689"N	104°36'27.826"W	2.14	
4889.00	28.440	22.480	4485.15	-1669.38	1662.31	673.46	1750103.18	14568858.58	40°06'54.065"N	104°36'27.631"W	1.86	
4976.00	27.030	22.060	4562.15	-1707.01	1699.77	688.80	1750118.36	14568896.10	40°06'54.435"N	104°36'27.433"W	1.64	
5064.00	29.170	22.990	4639.77	-1745.46	1738.05	704.69	1750134.07	14568934.44	40°06'54.814"N	104°36'27.229"W	2.48	
5152.00	27.130	22.070	4717.36	-1783.96	1776.39	720.61	1750149.81	14568972.83	40°06'55.192"N	104°36'27.024"W	2.37	
5239.00	24.660	21.470	4795.62	-1819.39	1811.67	734.71	1750163.75	14569008.16	40°06'55.541"N	104°36'26.842"W	2.85	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWP
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (240 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
5327.00	24.080	21.280	4875.78	-1853.34	1845.49	747.94	1750176.83	14569042.02	40°06'55.875"N	104°36'26.672"W	0.67	
5415.00	21.750	22.900	4956.83	-1885.23	1877.24	760.80	1750189.55	14569073.81	40°06'56.189"N	104°36'26.506"W	2.74	
5503.00	18.610	22.250	5039.42	-1913.38	1905.26	772.47	1750201.09	14569101.87	40°06'56.466"N	104°36'26.356"W	3.58	
5590.00	18.340	19.920	5121.93	-1939.20	1930.98	782.39	1750210.89	14569127.63	40°06'56.720"N	104°36'26.229"W	0.90	
5678.00	17.310	18.420	5205.71	-1964.73	1956.42	791.24	1750219.63	14569153.09	40°06'56.971"N	104°36'26.115"W	1.28	
5766.00	14.070	23.420	5290.42	-1987.06	1978.66	799.63	1750227.92	14569175.36	40°06'57.191"N	104°36'26.007"W	3.99	
5853.00	12.590	21.090	5375.08	-2005.69	1997.21	807.25	1750235.45	14569193.94	40°06'57.375"N	104°36'25.909"W	1.81	
5941.00	10.940	20.690	5461.22	-2022.52	2013.97	813.65	1750241.78	14569210.72	40°06'57.540"N	104°36'25.826"W	1.88	
6029.00	9.690	21.150	5547.80	-2037.30	2028.69	819.27	1750247.33	14569225.46	40°06'57.686"N	104°36'25.754"W	1.42	
6116.00	8.880	21.850	5633.66	-2050.42	2041.75	824.41	1750252.41	14569238.54	40°06'57.815"N	104°36'25.688"W	0.94	
6204.00	7.830	26.090	5720.73	-2062.16	2053.44	829.58	1750257.52	14569250.25	40°06'57.930"N	104°36'25.621"W	1.38	
6291.00	6.900	21.650	5807.01	-2072.39	2063.62	834.11	1750262.01	14569260.44	40°06'58.031"N	104°36'25.563"W	1.25	
6379.00	6.080	16.010	5894.44	-2081.81	2073.01	837.35	1750265.21	14569269.85	40°06'58.124"N	104°36'25.521"W	1.18	
6466.00	4.180	18.410	5981.09	-2089.27	2080.45	839.62	1750267.44	14569277.29	40°06'58.197"N	104°36'25.492"W	2.20	
6554.00	3.050	14.550	6068.91	-2094.60	2085.76	841.22	1750269.02	14569282.61	40°06'58.250"N	104°36'25.471"W	1.31	
6642.00	1.420	28.660	6156.85	-2097.83	2088.98	842.33	1750270.12	14569285.83	40°06'58.281"N	104°36'25.457"W	1.94	
6729.00	0.810	122.590	6243.83	-2098.46	2089.60	843.37	1750271.15	14569286.45	40°06'58.288"N	104°36'25.444"W	1.93	
6817.00	0.600	91.910	6331.83	-2098.12	2089.25	844.35	1750272.14	14569286.10	40°06'58.284"N	104°36'25.431"W	0.48	
6869.00†	3.053	171.783	6383.80	-2096.75	2087.87	844.82	1750272.61	14569284.73	40°06'58.270"N	104°36'25.425"W	5.78	KOP
6905.00	5.110	176.380	6419.71	-2094.20	2085.32	845.06	1750272.86	14569282.18	40°06'58.245"N	104°36'25.422"W	5.78	
6992.00	12.490	190.620	6505.63	-2081.05	2072.19	843.57	1750271.43	14569269.05	40°06'58.115"N	104°36'25.441"W	8.78	
7080.00	18.320	189.300	6590.44	-2057.99	2049.17	839.58	1750267.54	14569246.02	40°06'57.888"N	104°36'25.492"W	6.64	
7167.00	23.650	181.710	6671.65	-2027.00	2018.20	836.85	1750264.94	14569215.05	40°06'57.582"N	104°36'25.528"W	6.87	
7254.00	28.430	180.660	6749.80	-1988.82	1980.03	836.09	1750264.35	14569176.89	40°06'57.205"N	104°36'25.537"W	5.52	
7342.00	34.400	179.690	6824.86	-1942.97	1934.18	835.98	1750264.44	14569131.06	40°06'56.752"N	104°36'25.539"W	6.81	
7429.00	39.330	175.750	6894.46	-1890.89	1882.07	838.16	1750266.85	14569078.99	40°06'56.237"N	104°36'25.511"W	6.28	
7516.00	44.810	179.120	6959.02	-1832.72	1823.88	840.67	1750269.62	14569020.82	40°06'55.662"N	104°36'25.478"W	6.81	
7604.00	54.730	180.300	7015.79	-1765.63	1756.78	840.96	1750270.20	14568953.75	40°06'54.999"N	104°36'25.475"W	11.32	
7691.00	61.250	180.280	7061.88	-1691.90	1683.05	840.59	1750270.15	14568880.05	40°06'54.270"N	104°36'25.480"W	7.49	
7779.00	65.890	179.520	7101.04	-1613.13	1604.27	840.74	1750270.65	14568801.30	40°06'53.491"N	104°36'25.478"W	5.33	
7866.00	75.570	179.480	7129.72	-1531.11	1522.24	841.45	1750271.72	14568719.31	40°06'52.681"N	104°36'25.468"W	11.13	
7954.00	82.440	179.000	7146.49	-1444.81	1435.92	842.60	1750273.25	14568633.02	40°06'51.828"N	104°36'25.454"W	7.83	
8041.00	88.520	182.260	7153.34	-1358.13	1349.24	841.64	1750272.67	14568546.38	40°06'50.971"N	104°36'25.466"W	7.92	LANDING (933'FNL & 1217'FEL,SEC.25) 40.1141587 -104.6070739
8129.00	88.950	182.430	7155.29	-1270.19	1261.34	838.04	1750269.45	14568458.50	40°06'50.103"N	104°36'25.513"W	0.53	
8216.00	88.680	180.780	7157.09	-1183.23	1174.40	835.60	1750267.40	14568371.58	40°06'49.243"N	104°36'25.544"W	1.92	
8304.00	88.120	180.570	7159.54	-1095.26	1086.44	834.57	1750266.75	14568283.65	40°06'48.374"N	104°36'25.557"W	0.68	
8391.00	88.830	180.250	7161.86	-1008.29	999.47	833.95	1750266.51	14568196.71	40°06'47.515"N	104°36'25.565"W	0.90	
8479.00	89.780	179.350	7162.93	-920.31	911.48	834.25	1750267.20	14568108.76	40°06'46.645"N	104°36'25.561"W	1.49	
8566.00	89.350	179.820	7163.59	-833.33	824.48	834.88	1750268.21	14568021.80	40°06'45.786"N	104°36'25.553"W	0.73	
8654.00	90.980	180.830	7163.33	-745.33	736.49	834.38	1750268.10	14567933.84	40°06'44.916"N	104°36'25.560"W	2.18	
8741.00	90.830	180.750	7161.96	-658.34	649.51	833.18	1750267.28	14567846.89	40°06'44.056"N	104°36'25.575"W	0.20	
8828.00	91.290	180.770	7160.35	-571.36	562.53	832.03	1750266.51	14567759.94	40°06'43.197"N	104°36'25.590"W	0.53	
8888.00†	90.956	180.272	7159.17	-511.37	502.55	831.48	1750266.23	14567699.98	40°06'42.604"N	104°36'25.597"W	1.00	EXIT RADIUS HEEL (1779'FNL & 1228'FEL,SEC.25) 40.1118345 -104.6071103
8916.00	90.800	180.040	7158.74	-483.37	474.55	831.41	1750266.27	14567671.99	40°06'42.327"N	104°36'25.598"W	1.00	
9003.00	90.310	179.900	7157.90	-396.38	387.55	831.45	1750266.70	14567585.03	40°06'41.468"N	104°36'25.598"W	0.59	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (240 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
9091.00	90.740	179.820	7157.10	-308.40	299.56	831.67	1750267.30	14567497.07	40°06'40.598"N	104°36'25.595"W	0.50	
9178.00	89.720	180.970	7156.75	-221.40	212.56	831.07	1750267.08	14567410.11	40°06'39.738"N	104°36'25.603"W	1.77	
9266.00	88.250	181.590	7158.31	-133.42	124.60	829.10	1750265.50	14567322.17	40°06'38.869"N	104°36'25.628"W	1.81	
9353.00	87.450	180.650	7161.57	-46.49	37.68	827.40	1750264.18	14567235.28	40°06'38.010"N	104°36'25.650"W	1.42	
9440.00	86.920	180.770	7165.84	40.41	-49.21	826.33	1750263.49	14567148.42	40°06'37.152"N	104°36'25.664"W	0.62	
9528.00	88.830	180.050	7169.11	128.34	-137.14	825.70	1750263.25	14567060.52	40°06'36.283"N	104°36'25.672"W	2.32	
9615.00	88.210	179.670	7171.35	215.30	-224.11	825.91	1750263.84	14566973.59	40°06'35.423"N	104°36'25.669"W	0.84	
9703.00	90.150	179.040	7172.61	303.27	-312.09	826.90	1750265.22	14566885.65	40°06'34.554"N	104°36'25.657"W	2.32	
9790.00	90.430	178.880	7172.17	390.23	-399.07	828.48	1750267.17	14566798.70	40°06'33.694"N	104°36'25.636"W	0.37	
9877.00	89.540	180.990	7172.19	477.22	-486.07	828.58	1750267.65	14566711.74	40°06'32.834"N	104°36'25.635"W	2.63	
9965.00	89.630	180.980	7172.83	565.21	-574.05	827.07	1750266.53	14566623.79	40°06'31.965"N	104°36'25.655"W	0.10	
10052.00	89.630	181.030	7173.39	652.21	-661.04	825.54	1750265.38	14566536.83	40°06'31.105"N	104°36'25.674"W	0.06	
10140.00	89.970	181.140	7173.70	740.21	-749.02	823.87	1750264.10	14566448.87	40°06'30.236"N	104°36'25.696"W	0.41	
10227.00	89.970	181.100	7173.75	827.20	-836.00	822.17	1750262.79	14566361.92	40°06'29.376"N	104°36'25.718"W	0.05	
10315.00	89.570	180.680	7174.10	915.20	-923.99	820.81	1750261.80	14566273.96	40°06'28.507"N	104°36'25.735"W	0.66	
10402.00	89.350	180.300	7174.92	1002.20	-1010.99	820.06	1750261.44	14566187.00	40°06'27.647"N	104°36'25.745"W	0.50	
10490.00	90.430	181.050	7175.09	1090.20	-1098.98	819.03	1750260.79	14566099.04	40°06'26.778"N	104°36'25.758"W	1.49	
10577.00	90.000	180.730	7174.76	1177.19	-1185.97	817.68	1750259.82	14566012.08	40°06'25.918"N	104°36'25.776"W	0.62	
10665.00	90.090	181.260	7174.69	1265.19	-1273.95	816.15	1750258.68	14565924.12	40°06'25.049"N	104°36'25.795"W	0.61	
10752.00	90.490	181.640	7174.25	1352.18	-1360.92	813.95	1750256.86	14565837.17	40°06'24.189"N	104°36'25.824"W	0.63	
10840.00	90.590	181.060	7173.42	1440.17	-1448.89	811.87	1750255.17	14565749.23	40°06'23.320"N	104°36'25.850"W	0.67	
10928.00	90.520	181.150	7172.57	1528.16	-1536.87	810.18	1750253.86	14565661.28	40°06'22.450"N	104°36'25.872"W	0.13	
11015.00	90.090	181.160	7172.11	1615.16	-1623.85	808.42	1750252.49	14565574.32	40°06'21.591"N	104°36'25.895"W	0.49	
11102.00	88.890	180.990	7172.88	1702.15	-1710.83	806.79	1750251.24	14565487.37	40°06'20.731"N	104°36'25.916"W	1.39	
11190.00	89.320	181.180	7174.26	1790.13	-1798.81	805.12	1750249.96	14565399.42	40°06'19.862"N	104°36'25.937"W	0.53	
11281.00	88.490	179.550	7176.00	1881.11	-1889.78	804.54	1750249.78	14565308.48	40°06'18.963"N	104°36'25.945"W	2.01	
11371.00	88.710	179.320	7178.19	1971.07	-1979.75	805.43	1750251.06	14565218.55	40°06'18.074"N	104°36'25.934"W	0.35	
11462.00	88.550	179.480	7180.37	2062.02	-2070.72	806.38	1750252.41	14565127.62	40°06'17.175"N	104°36'25.921"W	0.25	
11553.00	87.970	179.570	7183.13	2152.96	-2161.68	807.14	1750253.57	14565036.71	40°06'16.276"N	104°36'25.912"W	0.64	
11645.00	89.170	179.950	7185.43	2244.92	-2253.65	807.52	1750254.35	14564944.78	40°06'15.367"N	104°36'25.907"W	1.37	
11733.00	88.920	180.780	7186.90	2332.91	-2341.63	806.96	1750254.18	14564856.82	40°06'14.498"N	104°36'25.914"W	0.98	
11820.00	89.940	181.610	7187.76	2419.90	-2428.61	805.15	1750252.75	14564769.88	40°06'13.638"N	104°36'25.937"W	1.51	
11908.00	90.250	180.550	7187.62	2507.89	-2516.59	803.49	1750251.47	14564681.92	40°06'12.769"N	104°36'25.959"W	1.25	
11995.00	89.720	180.900	7187.64	2594.89	-2603.58	802.39	1750250.75	14564594.96	40°06'11.909"N	104°36'25.973"W	0.73	
12083.00	90.180	182.170	7187.71	2682.88	-2691.55	800.03	1750248.78	14564507.02	40°06'11.040"N	104°36'26.003"W	1.53	
12170.00	90.890	183.980	7186.90	2769.79	-2778.41	795.36	1750244.50	14564420.16	40°06'10.181"N	104°36'26.063"W	2.23	
12258.00	89.040	182.320	7186.96	2857.70	-2866.27	790.53	1750240.05	14564332.32	40°06'09.313"N	104°36'26.126"W	2.82	
12345.00	88.550	180.840	7188.79	2944.66	-2953.22	788.13	1750238.04	14564245.40	40°06'08.454"N	104°36'26.157"W	1.79	
12433.00	89.810	180.090	7190.05	3032.65	-3041.21	787.42	1750237.71	14564157.44	40°06'07.584"N	104°36'26.166"W	1.67	
12521.00	89.290	179.210	7190.74	3120.63	-3129.20	787.95	1750238.63	14564069.49	40°06'06.715"N	104°36'26.159"W	1.16	
12609.00	90.000	178.510	7191.28	3208.59	-3217.18	789.71	1750240.77	14563981.55	40°06'05.845"N	104°36'26.136"W	1.13	
12696.00	90.710	181.830	7190.74	3295.57	-3304.16	789.45	1750240.89	14563894.60	40°06'04.986"N	104°36'26.140"W	3.90	
12784.00	91.020	182.580	7189.41	3383.53	-3392.09	786.06	1750237.89	14563806.69	40°06'04.117"N	104°36'26.183"W	0.92	
12871.00	90.890	182.870	7187.96	3470.46	-3478.98	781.93	1750234.14	14563719.82	40°06'03.258"N	104°36'26.237"W	0.37	
12959.00	91.480	181.090	7186.14	3558.41	-3566.90	778.89	1750231.48	14563631.92	40°06'02.389"N	104°36'26.276"W	2.13	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (240 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
13046.00	91.790	180.990	7183.66	3645.37	-3653.85	777.31	1750230.29	14563544.99	40°06'01.530"N	104°36'26.296"W	0.37	
13134.00	91.850	180.610	7180.87	3733.33	-3741.80	776.08	1750229.45	14563457.08	40°06'00.661"N	104°36'26.312"W	0.44	
13221.00	90.990	180.260	7178.71	3820.30	-3828.77	775.42	1750229.17	14563370.14	40°05'59.801"N	104°36'26.321"W	1.07	
13309.00	90.890	179.480	7177.27	3908.28	-3916.76	775.62	1750229.75	14563282.19	40°05'58.932"N	104°36'26.318"W	0.89	
13397.00	90.710	178.230	7176.04	3996.23	-4004.73	777.38	1750231.90	14563194.26	40°05'58.063"N	104°36'26.295"W	1.43	
13484.00	89.850	180.310	7175.61	4083.20	-4091.72	778.49	1750233.38	14563107.31	40°05'57.203"N	104°36'26.281"W	2.59	
13571.00	91.690	181.260	7174.44	4170.18	-4178.69	777.29	1750232.57	14563020.36	40°05'56.343"N	104°36'26.297"W	2.38	
13659.00	91.570	181.400	7171.94	4258.14	-4266.64	775.25	1750230.92	14562932.45	40°05'55.474"N	104°36'26.323"W	0.21	
13746.00	91.420	180.960	7169.67	4345.11	-4353.59	773.46	1750229.51	14562845.52	40°05'54.615"N	104°36'26.346"W	0.53	
13833.00	91.390	180.310	7167.54	4432.08	-4440.55	772.50	1750228.93	14562758.58	40°05'53.756"N	104°36'26.358"W	0.75	
13921.00	91.880	180.390	7165.03	4520.04	-4528.52	771.96	1750228.78	14562670.66	40°05'52.886"N	104°36'26.365"W	0.56	
14009.00	91.970	180.450	7162.07	4607.99	-4616.47	771.32	1750228.52	14562582.74	40°05'52.017"N	104°36'26.374"W	0.12	
14096.00	91.760	179.990	7159.24	4694.94	-4703.42	770.98	1750228.56	14562495.82	40°05'51.158"N	104°36'26.378"W	0.58	
14183.00	91.170	178.900	7157.02	4781.90	-4790.38	771.82	1750229.79	14562408.89	40°05'50.299"N	104°36'26.367"W	1.42	
14271.00	91.350	178.840	7155.08	4869.83	-4878.35	773.56	1750231.91	14562320.97	40°05'49.429"N	104°36'26.345"W	0.22	
14359.00	90.980	178.220	7153.29	4957.76	-4966.30	775.82	1750234.55	14562233.07	40°05'48.560"N	104°36'26.316"W	0.82	
14446.00	90.830	178.110	7151.92	5044.67	-5053.24	778.60	1750237.71	14562146.17	40°05'47.701"N	104°36'26.280"W	0.21	
14534.00	90.710	179.360	7150.73	5132.61	-5141.21	780.54	1750240.04	14562058.24	40°05'46.832"N	104°36'26.255"W	1.43	
14621.00	90.860	180.790	7149.54	5219.60	-5228.20	780.43	1750240.31	14561971.29	40°05'45.972"N	104°36'26.257"W	1.65	
14709.00	91.140	181.840	7148.01	5307.57	-5316.16	778.41	1750238.68	14561883.35	40°05'45.103"N	104°36'26.283"W	1.23	
14796.00	91.230	181.530	7146.21	5394.54	-5403.11	775.85	1750236.50	14561796.43	40°05'44.244"N	104°36'26.316"W	0.37	
14883.00	91.420	180.730	7144.20	5481.51	-5490.07	774.14	1750235.17	14561709.50	40°05'43.384"N	104°36'26.338"W	0.94	
14971.00	91.690	180.550	7141.81	5569.48	-5578.03	773.16	1750234.57	14561621.57	40°05'42.515"N	104°36'26.350"W	0.37	
15058.00	90.830	179.570	7139.89	5656.45	-5665.00	773.07	1750234.86	14561534.63	40°05'41.655"N	104°36'26.352"W	1.50	
15146.00	91.230	179.250	7138.31	5744.42	-5752.99	773.97	1750236.15	14561446.68	40°05'40.786"N	104°36'26.340"W	0.58	
15233.00	89.570	179.840	7137.70	5831.40	-5839.98	774.66	1750237.22	14561359.73	40°05'39.926"N	104°36'26.331"W	2.02	
15321.00	88.340	180.640	7139.31	5919.38	-5927.96	774.29	1750237.24	14561271.78	40°05'39.057"N	104°36'26.336"W	1.67	
15408.00	87.260	183.230	7142.65	6006.28	-6014.84	771.36	1750234.69	14561184.92	40°05'38.198"N	104°36'26.374"W	3.22	
15495.00	90.180	183.040	7144.59	6093.17	-6101.68	766.60	1750230.31	14561098.10	40°05'37.340"N	104°36'26.435"W	3.36	
15583.00	91.350	182.150	7143.42	6181.11	-6189.57	762.62	1750226.72	14561010.22	40°05'36.472"N	104°36'26.486"W	1.67	
15670.00	91.050	181.760	7141.60	6268.06	-6276.50	759.65	1750224.13	14560923.31	40°05'35.613"N	104°36'26.524"W	0.57	
15758.00	90.710	181.200	7140.24	6356.04	-6364.46	757.38	1750222.25	14560835.37	40°05'34.743"N	104°36'26.554"W	0.74	
15845.00	90.860	181.040	7139.05	6443.03	-6451.44	755.68	1750220.93	14560748.43	40°05'33.884"N	104°36'26.576"W	0.25	
15933.00	90.340	180.050	7138.13	6531.02	-6539.43	754.84	1750220.48	14560660.47	40°05'33.014"N	104°36'26.586"W	1.27	
16020.00	89.970	179.600	7137.90	6618.01	-6626.43	755.11	1750221.12	14560573.50	40°05'32.155"N	104°36'26.583"W	0.67	
16107.00	88.950	179.340	7138.72	6704.99	-6713.42	755.91	1750222.31	14560486.55	40°05'31.295"N	104°36'26.573"W	1.21	
16195.00	89.820	179.430	7139.66	6792.97	-6801.41	756.86	1750223.64	14560398.60	40°05'30.425"N	104°36'26.561"W	0.99	
16282.00	90.000	179.060	7139.80	6879.94	-6888.40	758.00	1750225.17	14560311.65	40°05'29.566"N	104°36'26.546"W	0.47	
16369.00	90.150	178.000	7139.68	6966.88	-6975.37	760.24	1750227.78	14560224.72	40°05'28.706"N	104°36'26.517"W	1.23	
16457.00	89.230	179.390	7140.16	7054.83	-7063.34	762.24	1750230.17	14560136.79	40°05'27.837"N	104°36'26.491"W	1.89	
16544.00	89.170	181.100	7141.37	7141.81	-7150.33	761.87	1750230.18	14560049.84	40°05'26.977"N	104°36'26.496"W	1.97	
16632.00	88.060	180.150	7143.50	7229.79	-7238.30	760.91	1750229.60	14559961.90	40°05'26.108"N	104°36'26.509"W	1.66	
16720.00	88.860	181.210	7145.87	7317.75	-7326.26	759.86	1750228.94	14559873.97	40°05'25.239"N	104°36'26.522"W	1.51	
16807.00	90.120	182.150	7146.64	7404.73	-7413.21	757.31	1750226.78	14559787.04	40°05'24.379"N	104°36'26.555"W	1.81	
16895.00	90.030	182.140	7146.53	7492.70	-7501.15	754.02	1750223.87	14559699.12	40°05'23.510"N	104°36'26.597"W	0.10	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWP
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (240 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
16983.00	89.970	181.830	7146.53	7580.67	-7589.10	750.97	1750221.21	14559611.20	40°05'22.641"N	104°36'26.637"W	0.36	
17070.00	90.980	181.190	7145.80	7667.66	-7676.06	748.68	1750219.30	14559524.26	40°05'21.782"N	104°36'26.666"W	1.37	
17158.00	91.850	182.190	7143.63	7755.61	-7764.00	746.08	1750217.09	14559436.35	40°05'20.913"N	104°36'26.699"W	1.51	
17246.00	90.280	182.050	7142.00	7843.57	-7851.92	742.83	1750214.22	14559348.45	40°05'20.044"N	104°36'26.741"W	1.79	
17318.00†	90.537	181.520	7141.48	7915.55	-7923.88	740.59	1750212.30	14559276.50	40°05'19.333"N	104°36'26.770"W	0.82	ENTER RADIUS TOE (459'FSL & 1333'FEL,SEC.36) 40.0887036 -104.6074362
17333.00	90.590	181.410	7141.33	7930.55	-7938.88	740.20	1750211.98	14559261.51	40°05'19.185"N	104°36'26.775"W	0.82	
17421.00	90.710	182.560	7140.34	8018.51	-8026.82	737.16	1750209.32	14559173.60	40°05'18.316"N	104°36'26.814"W	1.31	
17509.00	91.850	183.000	7138.37	8106.43	-8114.69	732.89	1750205.44	14559085.74	40°05'17.447"N	104°36'26.869"W	1.39	
17597.00	90.650	181.820	7136.45	8194.36	-8202.59	729.19	1750202.12	14558997.86	40°05'16.579"N	104°36'26.917"W	1.91	
17684.00	90.550	182.520	7135.54	8281.32	-8289.52	725.90	1750199.21	14558910.95	40°05'15.720"N	104°36'26.959"W	0.81	
17772.00	89.380	180.990	7135.59	8369.30	-8377.47	723.20	1750196.90	14558823.02	40°05'14.850"N	104°36'26.994"W	2.19	
17859.00	89.690	181.000	7136.30	8456.30	-8464.46	721.69	1750195.77	14558736.06	40°05'13.991"N	104°36'27.014"W	0.36	
17947.00	90.220	181.110	7136.37	8544.29	-8552.44	720.07	1750194.54	14558648.10	40°05'13.121"N	104°36'27.034"W	0.62	
18047.00	90.060	181.100	7136.12	8644.29	-8652.42	718.14	1750193.05	14558548.15	40°05'12.133"N	104°36'27.059"W	0.16	LAST BHGE MWD+IFR1+MSA SURVEY
18092.00	90.060	181.100	7136.08	8689.29	-8697.42	717.28	1750192.38	14558503.18	40°05'11.689"N	104°36'27.070"W	0.00	PTB (314'FNL & 1356'FEL,SEC.01) 40.0865802 -104.6075196

HOLE & CASING SECTIONS - Ref Wellbore: GEORGE 25-3HZ AWP Ref Wellpath: GEORGE 25-3HZ 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	17.00	1917.00	1900.00	17.00	1840.72	0.00	0.00	405.68	167.06

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWB
Facility	SEC.25-T2N-R65W		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.36-T2N-R65W	0.00	28.74	-8.94	1749428.22	14567222.67	40°06'37.922"N	104°36'36.414"W	polygon
SEC.25-T2N-R65W	20.00	9946.69	-1334.40	1748059.81	14577130.87	40°08'15.932"N	104°36'53.480"W	polygon
GEORGE 25-3HZ INT. TARGET@6400'VS	7142.00	-6408.43	757.37	1750222.43	14560791.43	40°05'34.309"N	104°36'26.554"W	point
GEORGE 25-3HZ BHL REV-1(332'FNL & 1340'FEL,SEC.01)	7148.00	-8714.61	732.83	1750208.00	14558486.06	40°05'11.519"N	104°36'26.870"W	point
GEORGE 25-3HZ BHL REV-2(332'FNL & 1330'FEL,SEC.01)	7148.00	-8714.61	742.83	1750218.00	14558486.10	40°05'11.519"N	104°36'26.742"W	point
GEORGE 25-3HZ HEEL REV-1(926'FNL & 1208'FEL,SEC.25)	7157.00	1351.18	839.94	1750270.96	14568548.31	40°06'50.990"N	104°36'25.488"W	point
GEORGE 25-3HZ LANDBOX	7157.00	0.00	0.00	1749437.27	14567193.99	40°06'37.638"N	104°36'36.299"W	polygon
GEORGE 25-3HZ RADIUS 1	7157.00	950.84	719.18	1750152.00	14568147.60	40°06'47.034"N	104°36'27.043"W	polygon
GEORGE 25-3HZ RADIUS 2	7157.00	-8383.05	758.39	1750232.10	14558817.60	40°05'14.795"N	104°36'26.541"W	polygon
GEORGE 25-3HZ INT. TARGET@3100'VS	7196.00	-3108.61	792.49	1750243.07	14564090.09	40°06'06.918"N	104°36'26.101"W	point

WELLPATH COMPOSITION - Ref Wellbore: GEORGE 25-3HZ AWB				Ref Wellpath: GEORGE 25-3HZ AWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore
17.00	1878.00	Custom APC_ISCWSA REV 2 MWD+IFR1 (approximation)	Custom APC ISCWSA Rev-2 MWD+IFR1 <125 - 1878>		GEORGE 25-3HZ AWB
1878.00	18047.00	Custom APC_ISCWSA REV 2 MWD+IFR1+MSA (approximation)	BHGE Custom APC ISCWSA Rev-2 MWD+IFR1+MSA <1977 - 18047>		GEORGE 25-3HZ AWB
18047.00	18092.00	Blind Drilling (std)	Projection to bit		GEORGE 25-3HZ AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#19 GEORGE 25-3HZ(2282'FNL & 2059'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-3HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-3HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
125.00	0.000	8.030	125.00	FIRST SURFACE MWD+IFR1 SURVEY
1878.00	24.130	24.630	1805.11	LAST SURFACE MWD+IFR1 SURVEY
1977.00	23.720	26.260	1895.60	FIRST BHGE MWD+IFR1+MSA SURVEY
2430.00	27.579	21.878	2301.53	ENTER LANDBOX (1670'FNL & 1801'FEL,SEC.25) 40.1121353 -104.6091647
6869.00	3.053	171.783	6383.80	KOP
8041.00	88.520	182.260	7153.34	LANDING (933'FNL & 1217'FEL,SEC.25) 40.1141587 -104.6070739
8888.00	90.956	180.272	7159.17	EXIT RADIUS HEEL (1779'FNL & 1228'FEL,SEC.25) 40.1118345 -104.6071103
17318.00	90.537	181.520	7141.48	ENTER RADIUS TOE (459'FSL & 1333'FEL,SEC.36) 40.0887036 -104.6074362
18047.00	90.060	181.100	7136.12	LAST BHGE MWD+IFR1+MSA SURVEY
18092.00	90.060	181.100	7136.08	PTB (314'FNL & 1356'FEL,SEC.01) 40.0865802 -104.6075196