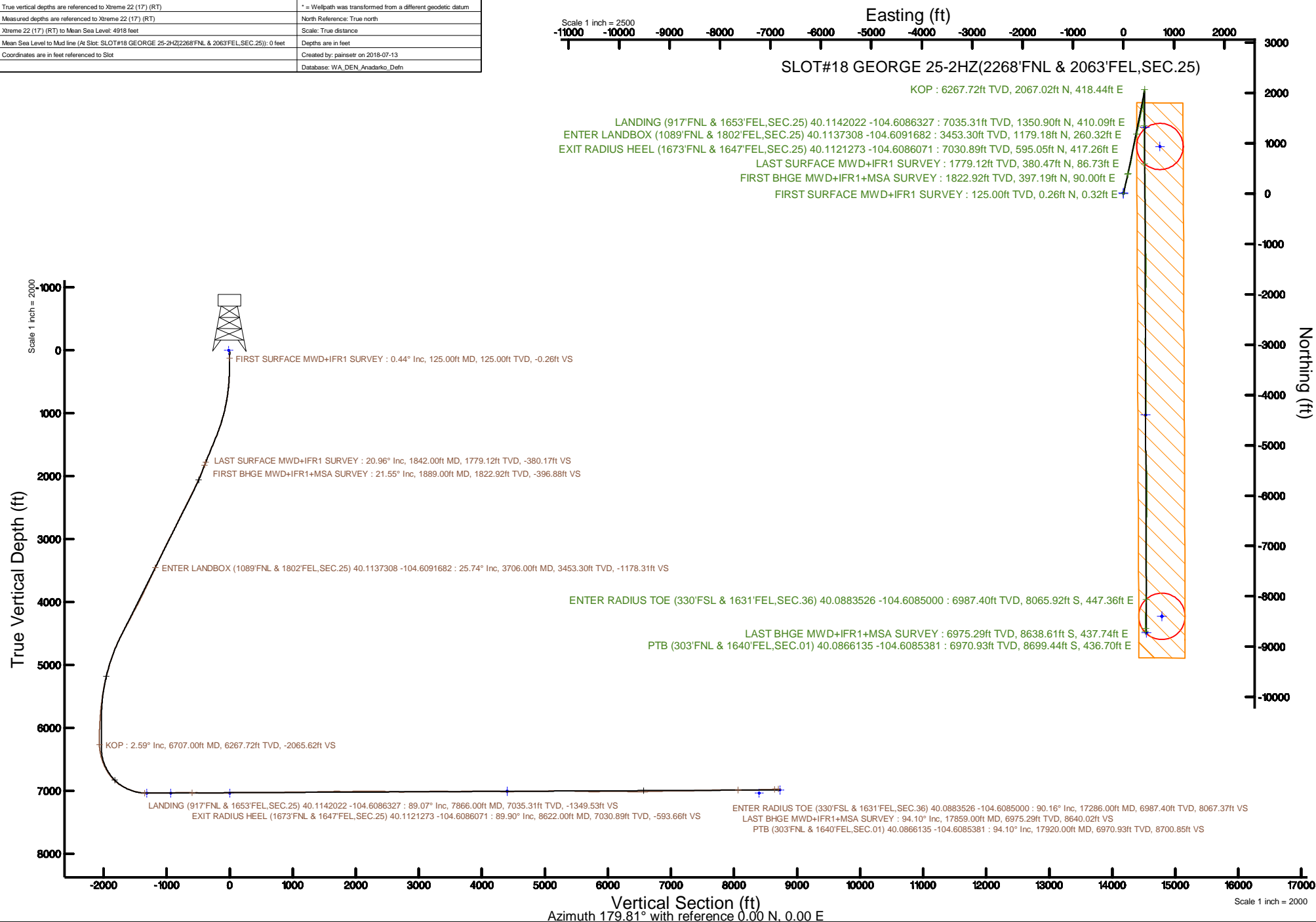


Location:	COLORADO	Slot:	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Field:	WELD COUNTY (UTM/TRUE NORTH)	Well:	GEORGE 25-2HZ
Facility:	SEC.25-T2N-R6SW	Wellbore:	GEORGE 25-2HZ PWB
Plot reference wellpath is GEORGE 25-2HZ PWP Rev-A.0			
True vertical depths are referenced to Xtrm22 (17) (RT)			
Measured depths are referenced to Xtrm22 (17) (RT)			
Xtrm22 (17) (RT) to Mean Sea Level: 4918 feet			
Mean Sea Level to Mud line (At Slot: SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25): 0 feet			
Coordinates are in feet referenced to Slot			
		Grid System: NAD83 / UTM Zone 13 North, US feet	
		" = Wellpath was transformed from a different geosoid datum	
		North Reference: True north	
		Scale: True distance	
		Depths are in feet	
		Created by: painsest on 2018-07-13	
		Database: WA_DEN_Anadarko_Defn	



REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ 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	7/13/2018 at 1:11 PM
Convergence at slot	0.26° East	Database/Source file	WA_DEN_Anadarko_Defn/GEORGE_25-2HZ_AWP.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-1823.65	-1582.86	1749432.79	14567208.13	40°06'37.778"N	104°36'36.356"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#18 GEORGE 25-2HZ(2268'FNL & 2063'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	179.81°

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (246 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	51.540	0.00	0.00	0.00	0.00	1749432.79	14567208.13	40°06'37.778"N	104°36'36.356"W	0.00	
17.00	0.000	51.540	17.00	0.00	0.00	0.00	1749432.79	14567208.13	40°06'37.778"N	104°36'36.356"W	0.00	
125.00	0.440	51.540	125.00	-0.26	0.26	0.32	1749433.11	14567208.39	40°06'37.781"N	104°36'36.352"W	0.41	FIRST SURFACE MWD+IFR1 SURVEY
157.00	0.440	74.560	157.00	-0.37	0.37	0.54	1749433.32	14567208.50	40°06'37.782"N	104°36'36.349"W	0.55	
189.00	0.660	38.620	189.00	-0.54	0.54	0.77	1749433.56	14567208.68	40°06'37.783"N	104°36'36.346"W	1.25	
221.00	1.140	21.040	220.99	-0.98	0.98	1.00	1749433.78	14567209.12	40°06'37.788"N	104°36'36.343"W	1.71	
252.00	1.450	27.450	251.98	-1.62	1.62	1.29	1749434.07	14567209.75	40°06'37.794"N	104°36'36.339"W	1.10	
284.00	1.410	22.440	283.97	-2.34	2.34	1.63	1749434.41	14567210.48	40°06'37.801"N	104°36'36.335"W	0.41	
315.00	1.670	15.590	314.96	-3.13	3.13	1.90	1749434.67	14567211.27	40°06'37.809"N	104°36'36.332"W	1.03	
347.00	1.710	16.910	346.95	-4.03	4.04	2.16	1749434.93	14567212.17	40°06'37.818"N	104°36'36.328"W	0.17	
379.00	2.370	16.030	378.93	-5.12	5.13	2.48	1749435.25	14567213.27	40°06'37.829"N	104°36'36.324"W	2.06	
411.00	2.940	11.460	410.89	-6.56	6.57	2.83	1749435.58	14567214.71	40°06'37.843"N	104°36'36.320"W	1.90	
442.00	3.030	13.390	441.85	-8.14	8.15	3.18	1749435.93	14567216.29	40°06'37.859"N	104°36'36.315"W	0.44	
474.00	3.300	14.270	473.80	-9.85	9.86	3.60	1749436.34	14567218.00	40°06'37.875"N	104°36'36.310"W	0.86	
505.00	4.000	14.530	504.74	-11.76	11.77	4.09	1749436.82	14567219.92	40°06'37.894"N	104°36'36.303"W	2.26	
537.00	4.750	15.320	536.65	-14.12	14.13	4.72	1749437.44	14567222.28	40°06'37.918"N	104°36'36.295"W	2.35	
569.00	5.630	13.390	568.52	-16.92	16.94	5.43	1749438.14	14567225.08	40°06'37.945"N	104°36'36.286"W	2.80	
600.00	6.500	13.220	599.34	-20.10	20.12	6.19	1749438.88	14567228.27	40°06'37.977"N	104°36'36.276"W	2.81	
632.00	7.030	15.240	631.12	-23.75	23.78	7.12	1749439.80	14567231.93	40°06'38.013"N	104°36'36.264"W	1.82	
664.00	7.340	15.860	662.87	-27.60	27.63	8.19	1749440.85	14567235.79	40°06'38.051"N	104°36'36.251"W	1.00	
696.00	8.130	14.970	694.58	-31.75	31.78	9.33	1749441.98	14567239.94	40°06'38.092"N	104°36'36.236"W	2.50	
728.00	9.050	14.620	726.22	-36.37	36.41	10.55	1749443.18	14567244.57	40°06'38.138"N	104°36'36.220"W	2.88	
759.00	9.490	13.830	756.81	-41.21	41.25	11.78	1749444.38	14567249.41	40°06'38.186"N	104°36'36.204"W	1.48	
791.00	10.060	13.120	788.35	-46.49	46.53	13.04	1749445.62	14567254.70	40°06'38.238"N	104°36'36.188"W	1.82	
823.00	10.680	14.090	819.82	-52.08	52.13	14.40	1749446.95	14567260.30	40°06'38.293"N	104°36'36.171"W	2.01	
854.00	11.690	12.420	850.24	-57.93	57.98	15.78	1749448.30	14567266.16	40°06'38.351"N	104°36'36.153"W	3.42	
886.00	12.480	11.630	881.53	-64.48	64.53	17.17	1749449.67	14567272.71	40°06'38.416"N	104°36'36.135"W	2.52	
918.00	12.700	11.810	912.76	-71.30	71.36	18.59	1749451.05	14567279.55	40°06'38.483"N	104°36'36.117"W	0.70	
949.00	13.050	11.980	942.98	-78.06	78.12	20.01	1749452.45	14567286.31	40°06'38.550"N	104°36'36.098"W	1.14	
980.00	14.150	11.110	973.11	-85.19	85.26	21.47	1749453.87	14567293.45	40°06'38.621"N	104°36'36.080"W	3.61	
1012.00	14.460	10.230	1004.12	-92.96	93.03	22.93	1749455.30	14567301.23	40°06'38.697"N	104°36'36.061"W	1.18	
1044.00	14.940	10.230	1035.07	-100.94	101.03	24.37	1749456.71	14567309.22	40°06'38.776"N	104°36'36.042"W	1.50	
1076.00	15.290	10.670	1065.96	-109.14	109.23	25.89	1749458.18	14567317.43	40°06'38.857"N	104°36'36.023"W	1.15	
1108.00	16.520	11.020	1096.74	-117.75	117.84	27.54	1749459.80	14567326.05	40°06'38.943"N	104°36'36.002"W	3.86	
1139.00	17.270	10.930	1126.40	-126.59	126.69	29.25	1749461.47	14567334.89	40°06'39.030"N	104°36'35.980"W	2.42	
1171.00	17.710	10.930	1156.92	-136.03	136.13	31.08	1749463.25	14567344.34	40°06'39.123"N	104°36'35.956"W	1.37	
1203.00	18.980	11.720	1187.29	-145.89	146.01	33.06	1749465.19	14567354.22	40°06'39.221"N	104°36'35.931"W	4.04	
1234.00	19.600	12.070	1216.55	-155.91	156.03	35.17	1749467.26	14567364.25	40°06'39.320"N	104°36'35.903"W	2.03	
1266.00	20.040	11.280	1246.65	-166.53	166.65	37.36	1749469.40	14567374.88	40°06'39.425"N	104°36'35.875"W	1.61	
1298.00	20.480	10.220	1276.67	-177.41	177.54	39.43	1749471.42	14567385.77	40°06'39.532"N	104°36'35.849"W	1.79	
1329.00	21.090	10.750	1305.66	-188.22	188.36	41.43	1749473.37	14567396.59	40°06'39.639"N	104°36'35.823"W	2.06	
1361.00	21.800	14.010	1335.44	-199.63	199.78	43.94	1749475.84	14567408.02	40°06'39.752"N	104°36'35.790"W	4.33	
1392.00	21.970	14.710	1364.21	-210.81	210.97	46.81	1749478.65	14567419.22	40°06'39.863"N	104°36'35.754"W	1.00	
1424.00	22.370	14.710	1393.84	-222.48	222.65	49.88	1749481.67	14567430.91	40°06'39.978"N	104°36'35.714"W	1.25	
1455.00	22.540	14.090	1422.49	-233.94	234.12	52.82	1749484.56	14567442.39	40°06'40.092"N	104°36'35.676"W	0.94	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (246 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
1487.00	23.070	14.010	1451.99	-245.96	246.15	55.83	1749487.52	14567454.43	40°06'40.210"N	104°36'35.637"W	1.66	
1519.00	23.420	13.740	1481.39	-258.21	258.41	58.86	1749490.49	14567466.70	40°06'40.332"N	104°36'35.598"W	1.14	
1550.00	22.810	13.740	1509.90	-270.03	270.23	61.75	1749493.33	14567478.53	40°06'40.448"N	104°36'35.561"W	1.97	
1582.00	22.680	13.480	1539.42	-282.04	282.26	64.66	1749496.18	14567490.56	40°06'40.567"N	104°36'35.524"W	0.51	
1614.00	23.070	12.160	1568.90	-294.16	294.39	67.42	1749498.89	14567502.69	40°06'40.687"N	104°36'35.488"W	2.01	
1646.00	23.550	12.510	1598.29	-306.52	306.76	70.13	1749501.54	14567515.07	40°06'40.809"N	104°36'35.453"W	1.56	
1677.00	22.980	12.250	1626.77	-318.47	318.72	72.75	1749504.11	14567527.04	40°06'40.928"N	104°36'35.420"W	1.87	
1709.00	23.160	12.250	1656.21	-330.72	330.97	75.41	1749506.72	14567539.30	40°06'41.049"N	104°36'35.385"W	0.56	
1740.00	23.640	12.780	1684.66	-342.73	342.99	78.08	1749509.33	14567551.32	40°06'41.167"N	104°36'35.351"W	1.69	
1772.00	22.500	13.570	1714.10	-354.93	355.20	80.94	1749512.13	14567563.54	40°06'41.288"N	104°36'35.314"W	3.69	
1804.00	21.930	13.130	1743.72	-366.69	366.97	83.73	1749514.87	14567575.32	40°06'41.404"N	104°36'35.278"W	1.86	
1835.00	20.920	12.250	1772.58	-377.73	378.02	86.22	1749517.31	14567586.37	40°06'41.514"N	104°36'35.246"W	3.42	
1842.00	20.960	11.190	1779.12	-380.17	380.47	86.73	1749517.81	14567588.82	40°06'41.538"N	104°36'35.240"W	5.44	LAST SURFACE MWD+IFR1 SURVEY
1889.00	21.550	10.950	1822.92	-396.88	397.19	90.00	1749521.01	14567605.55	40°06'41.703"N	104°36'35.198"W	1.27	FIRST BHGE MWD+IFR1+MSA SURVEY
1976.00	22.660	13.110	1903.53	-428.87	429.20	96.83	1749527.70	14567637.58	40°06'42.019"N	104°36'35.110"W	1.58	
2064.00	23.910	13.600	1984.36	-462.69	463.04	104.87	1749535.59	14567671.45	40°06'42.354"N	104°36'35.006"W	1.44	
2151.00	24.880	14.230	2063.59	-497.54	497.92	113.52	1749544.08	14567706.35	40°06'42.698"N	104°36'34.895"W	1.15	
2238.00	25.800	16.050	2142.22	-533.44	533.85	123.25	1749553.65	14567742.31	40°06'43.054"N	104°36'34.770"W	1.39	
2326.00	26.440	14.320	2221.23	-570.79	571.24	133.39	1749563.62	14567779.73	40°06'43.423"N	104°36'34.639"W	1.13	
2414.00	26.690	12.290	2299.94	-609.06	609.54	142.44	1749572.50	14567818.05	40°06'43.802"N	104°36'34.523"W	1.07	
2501.00	27.450	11.500	2377.41	-647.77	648.28	150.60	1749580.49	14567856.81	40°06'44.184"N	104°36'34.418"W	0.97	
2589.00	26.740	10.030	2455.75	-687.12	687.65	158.09	1749587.80	14567896.20	40°06'44.573"N	104°36'34.321"W	1.11	
2676.00	27.420	8.980	2533.22	-726.16	726.71	164.63	1749594.16	14567935.27	40°06'44.959"N	104°36'34.237"W	0.96	
2764.00	26.270	8.330	2611.73	-765.42	765.99	170.61	1749599.97	14567974.57	40°06'45.348"N	104°36'34.160"W	1.35	
2851.00	26.300	8.540	2689.74	-803.51	804.10	176.27	1749605.46	14568012.69	40°06'45.724"N	104°36'34.087"W	0.11	
2939.00	25.900	10.560	2768.76	-841.66	842.28	182.68	1749611.70	14568050.87	40°06'46.101"N	104°36'34.005"W	1.11	
3027.00	27.260	13.020	2847.46	-880.17	880.81	190.75	1749619.60	14568089.42	40°06'46.482"N	104°36'33.901"W	1.99	
3114.00	28.400	13.850	2924.40	-919.64	920.31	200.19	1749628.86	14568128.95	40°06'46.873"N	104°36'33.779"W	1.38	
3201.00	27.280	13.080	3001.33	-959.12	959.82	209.65	1749638.15	14568168.49	40°06'47.263"N	104°36'33.658"W	1.35	
3289.00	27.720	12.770	3079.39	-998.69	999.43	218.74	1749647.06	14568208.11	40°06'47.654"N	104°36'33.541"W	0.53	
3376.00	26.440	12.140	3156.85	-1037.33	1038.10	227.29	1749655.43	14568246.81	40°06'48.037"N	104°36'33.431"W	1.51	
3464.00	26.520	11.020	3235.62	-1075.74	1076.53	235.16	1749663.14	14568285.26	40°06'48.416"N	104°36'33.329"W	0.57	
3577.00	25.480	13.660	3337.18	-1124.09	1124.92	245.73	1749673.48	14568333.68	40°06'48.895"N	104°36'33.193"W	1.38	
3664.00	26.090	16.010	3415.52	-1160.63	1161.49	255.42	1749683.02	14568370.28	40°06'49.256"N	104°36'33.068"W	1.37	
3706.00†	25.737	14.942	3453.30	-1178.31	1179.18	260.32	1749687.83	14568387.98	40°06'49.431"N	104°36'33.005"W	1.39	ENTER LANDBOX (1089'FNL & 1802'FEL,SEC.25) 40.1137308 -104.6091682
3752.00	25.360	13.740	3494.80	-1197.51	1198.40	265.23	1749692.66	14568407.21	40°06'49.621"N	104°36'32.942"W	1.39	
3839.00	25.820	11.560	3573.27	-1234.14	1235.06	273.46	1749700.72	14568443.90	40°06'49.983"N	104°36'32.836"W	1.20	
3927.00	25.920	11.230	3652.45	-1271.76	1272.70	281.04	1749708.14	14568481.55	40°06'50.355"N	104°36'32.739"W	0.20	
4014.00	25.720	10.430	3730.76	-1308.95	1309.92	288.16	1749715.09	14568518.79	40°06'50.723"N	104°36'32.647"W	0.46	
4101.00	26.420	11.650	3808.91	-1346.45	1347.44	295.49	1749722.25	14568556.33	40°06'51.094"N	104°36'32.553"W	1.01	
4189.00	26.170	12.720	3887.81	-1384.52	1385.54	303.72	1749730.31	14568594.45	40°06'51.470"N	104°36'32.447"W	0.61	
4276.00	26.940	12.620	3965.63	-1422.44	1423.49	312.25	1749738.67	14568632.42	40°06'51.845"N	104°36'32.337"W	0.89	
4364.00	28.700	10.760	4043.46	-1462.63	1463.71	320.55	1749746.79	14568672.66	40°06'52.243"N	104°36'32.230"W	2.23	
4451.00	28.990	11.300	4119.66	-1503.80	1504.90	328.58	1749754.64	14568713.87	40°06'52.650"N	104°36'32.127"W	0.45	
4539.00	26.560	10.500	4197.52	-1544.04	1545.17	336.34	1749762.22	14568754.15	40°06'53.047"N	104°36'32.027"W	2.79	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (246 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
4627.00	28.370	11.240	4275.60	-1583.86	1585.02	344.00	1749769.71	14568794.02	40°06'53.441"N	104°36'31.928"W	2.09	
4714.00	29.740	10.840	4351.65	-1625.31	1626.49	352.09	1749777.61	14568835.51	40°06'53.851"N	104°36'31.824"W	1.59	
4801.00	28.090	9.950	4427.80	-1666.65	1667.86	359.69	1749785.02	14568876.90	40°06'54.260"N	104°36'31.726"W	1.96	
4889.00	27.450	9.530	4505.66	-1707.04	1708.27	366.63	1749791.78	14568917.32	40°06'54.659"N	104°36'31.637"W	0.76	
4976.00	26.740	9.000	4583.11	-1746.12	1747.38	373.01	1749797.99	14568956.44	40°06'55.046"N	104°36'31.555"W	0.86	
5064.00	24.730	8.960	4662.38	-1783.84	1785.12	378.97	1749803.79	14568994.20	40°06'55.419"N	104°36'31.478"W	2.28	
5151.00	21.830	7.450	4742.29	-1817.85	1819.14	383.91	1749808.57	14569028.23	40°06'55.755"N	104°36'31.415"W	3.40	
5239.00	19.480	5.640	4824.63	-1848.67	1849.97	387.47	1749812.00	14569059.06	40°06'56.060"N	104°36'31.369"W	2.77	
5327.00	18.870	8.020	4907.75	-1877.35	1878.66	390.90	1749815.30	14569087.76	40°06'56.343"N	104°36'31.325"W	1.13	
5415.00	16.920	8.190	4991.49	-1904.11	1905.43	394.71	1749818.99	14569114.53	40°06'56.608"N	104°36'31.276"W	2.22	
5503.00	15.100	7.980	5076.07	-1928.12	1929.46	398.12	1749822.30	14569138.57	40°06'56.845"N	104°36'31.232"W	2.07	
5590.00	15.070	10.360	5160.07	-1950.46	1951.81	401.73	1749825.80	14569160.92	40°06'57.066"N	104°36'31.185"W	0.71	
5678.00	13.200	10.050	5245.40	-1971.59	1972.96	405.54	1749829.52	14569182.08	40°06'57.275"N	104°36'31.136"W	2.13	
5766.00	10.690	9.050	5331.49	-1989.54	1990.91	408.58	1749832.48	14569200.04	40°06'57.452"N	104°36'31.097"W	2.86	
5853.00	9.880	6.680	5417.09	-2004.92	2006.30	410.72	1749834.55	14569215.43	40°06'57.604"N	104°36'31.069"W	1.05	
5941.00	7.930	4.540	5504.03	-2018.46	2019.85	412.08	1749835.85	14569228.98	40°06'57.738"N	104°36'31.052"W	2.25	
6028.00	7.230	4.420	5590.27	-2029.90	2031.29	412.97	1749836.69	14569240.42	40°06'57.851"N	104°36'31.040"W	0.80	
6116.00	5.980	5.090	5677.68	-2039.98	2041.38	413.81	1749837.48	14569250.50	40°06'57.951"N	104°36'31.030"W	1.42	
6204.00	4.500	3.610	5765.31	-2047.99	2049.39	414.43	1749838.07	14569258.52	40°06'58.030"N	104°36'31.022"W	1.69	
6291.00	3.860	7.820	5852.08	-2054.30	2055.69	415.04	1749838.66	14569264.82	40°06'58.093"N	104°36'31.014"W	0.82	
6379.00	3.180	15.520	5939.91	-2059.58	2060.98	416.10	1749839.69	14569270.11	40°06'58.145"N	104°36'31.000"W	0.94	
6466.00	2.280	15.270	6026.81	-2063.57	2064.98	417.20	1749840.77	14569274.11	40°06'58.184"N	104°36'30.986"W	1.03	
6554.00	1.660	9.850	6114.76	-2066.52	2067.92	417.88	1749841.44	14569277.06	40°06'58.213"N	104°36'30.977"W	0.73	
6642.00	0.580	152.340	6202.75	-2067.38	2068.78	418.31	1749841.86	14569277.92	40°06'58.222"N	104°36'30.972"W	2.44	
6707.00†	2.586	180.638	6267.72	-2065.62	2067.02	418.44	1749842.00	14569276.16	40°06'58.205"N	104°36'30.970"W	3.22	KOP
6729.00	3.290	182.260	6289.70	-2064.49	2065.90	418.41	1749841.98	14569275.04	40°06'58.193"N	104°36'30.970"W	3.22	
6817.00	9.370	189.390	6377.12	-2054.89	2056.30	417.14	1749840.75	14569265.43	40°06'58.099"N	104°36'30.987"W	6.95	
6904.00	14.740	195.020	6462.17	-2037.22	2038.61	413.12	1749836.80	14569247.73	40°06'57.924"N	104°36'31.039"W	6.31	
6992.00	20.790	188.660	6545.94	-2010.96	2012.33	407.86	1749831.66	14569221.44	40°06'57.664"N	104°36'31.106"W	7.21	
7079.00	26.330	182.280	6625.67	-1976.39	1977.75	404.76	1749828.72	14569186.87	40°06'57.322"N	104°36'31.146"W	7.00	
7167.00	32.010	180.940	6702.48	-1933.54	1934.90	403.60	1749827.75	14569144.02	40°06'56.899"N	104°36'31.161"W	6.50	
7254.00	38.210	182.880	6773.62	-1883.57	1884.92	401.87	1749826.24	14569094.06	40°06'56.405"N	104°36'31.183"W	7.24	
7342.00	45.480	183.210	6839.13	-1824.99	1826.33	398.74	1749823.36	14569035.48	40°06'55.826"N	104°36'31.224"W	8.27	
7429.00	56.290	179.570	6893.95	-1757.63	1758.97	397.27	1749822.19	14568968.14	40°06'55.160"N	104°36'31.243"W	12.84	
7516.00	62.780	177.040	6938.04	-1682.72	1684.06	399.54	1749824.79	14568893.27	40°06'54.420"N	104°36'31.213"W	7.87	
7603.00	67.740	177.670	6974.44	-1603.81	1605.16	403.18	1749828.77	14568814.41	40°06'53.640"N	104°36'31.167"W	5.74	
7691.00	72.670	177.900	7004.23	-1521.08	1522.45	406.38	1749832.33	14568731.75	40°06'52.823"N	104°36'31.125"W	5.61	
7778.00	78.560	178.260	7025.84	-1436.89	1438.26	409.20	1749835.52	14568647.61	40°06'51.991"N	104°36'31.089"W	6.78	
7866.00	89.070	180.550	7035.31	-1349.53	1350.90	410.09	1749836.79	14568560.29	40°06'51.128"N	104°36'31.078"W	12.22	LANDING (917'FNL & 1653'FEL,SEC.25) 40.1142022 -104.6086327
7953.00	90.400	180.320	7035.71	-1262.54	1263.91	409.43	1749836.51	14568473.33	40°06'50.268"N	104°36'31.086"W	1.55	
8041.00	90.150	179.980	7035.29	-1174.54	1175.91	409.19	1749836.66	14568385.36	40°06'49.398"N	104°36'31.089"W	0.48	
8129.00	90.590	179.900	7034.72	-1086.54	1087.91	409.29	1749837.14	14568297.40	40°06'48.529"N	104°36'31.088"W	0.51	
8216.00	91.450	180.280	7033.17	-999.56	1000.93	409.15	1749837.39	14568210.45	40°06'47.669"N	104°36'31.090"W	1.08	
8303.00	90.830	179.160	7031.44	-912.58	913.95	409.58	1749838.19	14568123.51	40°06'46.810"N	104°36'31.084"W	1.47	
8391.00	90.250	178.380	7030.61	-824.60	825.97	411.46	1749840.47	14568035.58	40°06'45.940"N	104°36'31.060"W	1.10	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (246 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
8479.00	90.280	179.210	7030.20	-736.61	737.99	413.31	1749842.70	14567947.64	40°06'45.071"N	104°36'31.036"W	0.94	
8566.00	89.320	178.110	7030.50	-649.63	651.02	415.35	1749845.12	14567860.71	40°06'44.211"N	104°36'31.010"W	1.68	
8622.00†	89.899	177.988	7030.89	-593.66	595.05	417.26	1749847.27	14567804.77	40°06'43.658"N	104°36'30.986"W	1.06	EXIT RADIUS HEEL (1673'FNL & 1647'FEL,SEC.25) 40.1121273 -104.6086071
8653.00	90.220	177.920	7030.85	-562.68	564.07	418.36	1749848.51	14567773.81	40°06'43.352"N	104°36'30.971"W	1.06	
8741.00	89.570	177.080	7031.02	-474.75	476.16	422.20	1749852.73	14567685.95	40°06'42.483"N	104°36'30.922"W	1.21	
8828.00	90.060	178.290	7031.30	-387.81	389.23	425.72	1749856.63	14567599.07	40°06'41.624"N	104°36'30.877"W	1.50	
8916.00	89.600	178.770	7031.56	-299.83	301.26	427.97	1749859.27	14567511.15	40°06'40.755"N	104°36'30.848"W	0.76	
9003.00	89.820	179.340	7032.00	-212.84	214.28	429.41	1749861.08	14567424.20	40°06'39.895"N	104°36'30.829"W	0.70	
9091.00	89.820	179.900	7032.27	-124.84	126.28	429.99	1749862.05	14567336.24	40°06'39.026"N	104°36'30.822"W	0.64	
9178.00	91.020	180.640	7031.64	-37.85	39.28	429.58	1749862.02	14567249.28	40°06'38.166"N	104°36'30.827"W	1.62	
9266.00	90.770	180.830	7030.26	50.13	-48.70	428.45	1749861.28	14567161.33	40°06'37.297"N	104°36'30.842"W	0.36	
9353.00	90.430	179.830	7029.35	137.12	-135.69	427.95	1749861.16	14567074.37	40°06'36.437"N	104°36'30.848"W	1.21	
9440.00	89.910	178.530	7029.09	224.11	-222.68	429.20	1749862.79	14566987.42	40°06'35.577"N	104°36'30.832"W	1.61	
9528.00	91.110	180.080	7028.31	312.10	-310.67	430.26	1749864.24	14566899.47	40°06'34.708"N	104°36'30.818"W	2.23	
9615.00	90.400	179.230	7027.16	399.09	-397.65	430.79	1749865.14	14566812.52	40°06'33.848"N	104°36'30.812"W	1.27	
9703.00	90.310	179.630	7026.62	487.08	-485.65	431.66	1749866.41	14566724.57	40°06'32.979"N	104°36'30.800"W	0.47	
9790.00	88.860	178.460	7027.25	574.07	-572.63	433.11	1749868.24	14566637.62	40°06'32.119"N	104°36'30.782"W	2.14	
9877.00	89.690	179.520	7028.35	661.05	-659.61	434.65	1749870.15	14566550.69	40°06'31.260"N	104°36'30.762"W	1.55	
9965.00	91.230	178.000	7027.64	749.03	-747.58	436.55	1749872.44	14566462.76	40°06'30.390"N	104°36'30.738"W	2.46	
10052.00	91.880	179.450	7025.28	835.98	-834.52	438.49	1749874.75	14566375.86	40°06'29.531"N	104°36'30.713"W	1.83	
10140.00	91.600	178.860	7022.61	923.93	-922.47	439.78	1749876.44	14566287.95	40°06'28.662"N	104°36'30.696"W	0.74	
10227.00	90.490	180.300	7021.02	1010.91	-1009.45	440.42	1749877.45	14566201.01	40°06'27.802"N	104°36'30.688"W	2.09	
10315.00	89.850	179.580	7020.76	1098.91	-1097.45	440.51	1749877.93	14566113.05	40°06'26.933"N	104°36'30.687"W	1.09	
10402.00	89.780	178.630	7021.04	1185.90	-1184.44	441.87	1749879.67	14566026.10	40°06'26.073"N	104°36'30.669"W	1.09	
10490.00	91.360	179.940	7020.17	1273.89	-1272.42	442.97	1749881.16	14565938.15	40°06'25.204"N	104°36'30.655"W	2.33	
10577.00	91.170	179.040	7018.25	1360.87	-1359.40	443.74	1749882.31	14565851.22	40°06'24.344"N	104°36'30.645"W	1.06	
10665.00	91.290	180.930	7016.36	1448.84	-1447.37	443.77	1749882.72	14565763.28	40°06'23.475"N	104°36'30.645"W	2.15	
10752.00	91.600	180.520	7014.16	1535.80	-1534.34	442.67	1749882.00	14565676.34	40°06'22.615"N	104°36'30.659"W	0.59	
10840.00	91.690	180.510	7011.64	1623.76	-1622.30	441.88	1749881.60	14565588.41	40°06'21.746"N	104°36'30.669"W	0.10	
10928.00	89.750	178.510	7010.53	1711.74	-1710.28	442.63	1749882.73	14565500.47	40°06'20.877"N	104°36'30.660"W	3.17	
11015.00	89.260	180.860	7011.28	1798.73	-1797.27	443.11	1749883.59	14565413.52	40°06'20.017"N	104°36'30.653"W	2.76	
11102.00	90.520	181.040	7011.45	1885.72	-1884.25	441.66	1749882.53	14565326.56	40°06'19.158"N	104°36'30.672"W	1.46	
11190.00	90.460	180.390	7010.70	1973.70	-1972.24	440.57	1749881.82	14565238.60	40°06'18.288"N	104°36'30.686"W	0.74	
11281.00	90.150	180.340	7010.21	2064.70	-2063.24	439.99	1749881.64	14565147.64	40°06'17.389"N	104°36'30.694"W	0.35	
11371.00	90.370	180.540	7009.80	2154.69	-2153.24	439.30	1749881.34	14565057.67	40°06'16.499"N	104°36'30.703"W	0.33	
11462.00	90.520	181.000	7009.10	2245.67	-2244.23	438.07	1749880.52	14564966.72	40°06'15.600"N	104°36'30.718"W	0.53	
11553.00	89.910	180.520	7008.76	2336.66	-2335.22	436.87	1749879.71	14564875.76	40°06'14.701"N	104°36'30.734"W	0.85	
11645.00	88.830	178.980	7009.77	2428.65	-2427.21	437.27	1749880.52	14564783.81	40°06'13.792"N	104°36'30.729"W	2.04	
11733.00	88.180	178.570	7012.06	2516.60	-2515.15	439.15	1749882.78	14564695.90	40°06'12.923"N	104°36'30.705"W	0.87	
11820.00	87.630	180.850	7015.24	2603.54	-2602.09	439.59	1749883.60	14564609.00	40°06'12.064"N	104°36'30.699"W	2.69	
11907.00	89.350	181.820	7017.54	2690.47	-2689.03	437.56	1749881.96	14564522.09	40°06'11.205"N	104°36'30.725"W	2.27	
11995.00	90.960	181.280	7017.30	2778.43	-2777.00	435.18	1749879.96	14564434.15	40°06'10.335"N	104°36'30.756"W	1.93	
12082.00	90.950	180.660	7015.85	2865.40	-2863.97	433.71	1749878.87	14564347.20	40°06'09.476"N	104°36'30.775"W	0.71	
12170.00	90.800	180.000	7014.50	2953.39	-2951.96	433.20	1749878.75	14564259.24	40°06'08.606"N	104°36'30.781"W	0.77	
12257.00	90.890	179.350	7013.22	3040.38	-3038.95	433.70	1749879.63	14564172.29	40°06'07.747"N	104°36'30.775"W	0.75	



REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (246 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
12345.00	91.230	179.030	7011.59	3128.36	-3126.92	434.94	1749881.26	14564084.36	40°06'06.877"N	104°36'30.759"W	0.53	
12433.00	91.820	178.750	7009.25	3216.31	-3214.87	436.64	1749883.34	14563996.45	40°06'06.008"N	104°36'30.737"W	0.74	
12521.00	90.120	177.340	7007.76	3304.25	-3302.81	439.64	1749886.73	14563908.56	40°06'05.139"N	104°36'30.698"W	2.51	
12609.00	88.550	178.430	7008.78	3392.19	-3390.74	442.89	1749890.36	14563820.68	40°06'04.270"N	104°36'30.657"W	2.17	
12696.00	88.550	179.640	7010.99	3479.16	-3477.69	444.36	1749892.21	14563733.77	40°06'03.411"N	104°36'30.638"W	1.39	
12783.00	90.250	180.420	7011.90	3566.15	-3564.68	444.31	1749892.54	14563646.81	40°06'02.551"N	104°36'30.638"W	2.15	
12871.00	90.770	180.460	7011.11	3654.14	-3652.68	443.64	1749892.25	14563558.85	40°06'01.682"N	104°36'30.647"W	0.59	
12959.00	90.620	180.040	7010.05	3742.13	-3740.67	443.25	1749892.25	14563470.89	40°06'00.812"N	104°36'30.652"W	0.51	
13046.00	90.830	180.100	7008.94	3829.12	-3827.66	443.15	1749892.53	14563383.93	40°05'59.952"N	104°36'30.653"W	0.25	
13133.00	91.140	179.620	7007.45	3916.11	-3914.65	443.36	1749893.12	14563296.98	40°05'59.093"N	104°36'30.651"W	0.66	
13221.00	90.430	178.600	7006.24	4004.09	-4002.63	444.72	1749894.88	14563209.04	40°05'58.223"N	104°36'30.633"W	1.41	
13309.00	89.750	180.310	7006.10	4092.08	-4090.62	445.56	1749896.10	14563121.09	40°05'57.354"N	104°36'30.622"W	2.09	
13396.00	88.580	179.380	7007.37	4179.07	-4177.61	445.80	1749896.71	14563034.14	40°05'56.494"N	104°36'30.619"W	1.72	
13484.00	88.030	181.030	7009.98	4267.03	-4265.57	445.48	1749896.78	14562946.21	40°05'55.625"N	104°36'30.623"W	1.98	
13571.00	88.650	181.800	7012.50	4353.96	-4352.50	443.33	1749895.02	14562859.30	40°05'54.766"N	104°36'30.651"W	1.14	
13658.00	91.080	181.760	7012.70	4440.90	-4439.45	440.63	1749892.70	14562772.37	40°05'53.907"N	104°36'30.686"W	2.79	
13746.00	91.850	181.610	7010.45	4528.82	-4527.39	438.05	1749890.50	14562684.46	40°05'53.038"N	104°36'30.719"W	0.89	
13833.00	90.520	180.380	7008.65	4615.78	-4614.35	436.54	1749889.37	14562597.53	40°05'52.178"N	104°36'30.739"W	2.08	
13921.00	90.830	180.510	7007.62	4703.77	-4702.34	435.85	1749889.07	14562509.57	40°05'51.309"N	104°36'30.747"W	0.38	
14008.00	90.520	179.270	7006.59	4790.76	-4789.33	436.02	1749889.62	14562422.61	40°05'50.449"N	104°36'30.745"W	1.47	
14096.00	90.620	179.740	7005.72	4878.76	-4877.33	436.78	1749890.77	14562334.66	40°05'49.580"N	104°36'30.736"W	0.55	
14183.00	90.400	178.830	7004.94	4965.75	-4964.32	437.87	1749892.23	14562247.71	40°05'48.720"N	104°36'30.722"W	1.08	
14271.00	90.620	178.400	7004.16	5053.72	-5052.29	439.99	1749894.74	14562159.78	40°05'47.851"N	104°36'30.694"W	0.55	
14358.00	90.680	178.870	7003.17	5140.70	-5139.26	442.06	1749897.20	14562072.86	40°05'46.991"N	104°36'30.668"W	0.54	
14446.00	90.000	177.700	7002.65	5228.67	-5227.21	444.70	1749900.22	14561984.95	40°05'46.122"N	104°36'30.634"W	1.54	
14533.00	90.590	178.420	7002.20	5315.62	-5314.16	447.64	1749903.54	14561898.04	40°05'45.263"N	104°36'30.596"W	1.07	
14621.00	89.410	176.370	7002.20	5403.54	-5402.06	451.64	1749907.92	14561810.19	40°05'44.394"N	104°36'30.544"W	2.69	
14709.00	87.130	176.190	7004.86	5491.33	-5489.83	457.35	1749914.01	14561722.49	40°05'43.527"N	104°36'30.471"W	2.60	
14796.00	88.920	177.640	7007.86	5578.16	-5576.65	462.03	1749919.07	14561635.72	40°05'42.669"N	104°36'30.411"W	2.65	
14883.00	88.240	179.500	7010.01	5665.11	-5663.59	464.20	1749921.62	14561548.83	40°05'41.810"N	104°36'30.383"W	2.28	
14971.00	89.940	180.450	7011.41	5753.09	-5751.58	464.24	1749922.04	14561460.88	40°05'40.940"N	104°36'30.382"W	2.21	
15058.00	90.460	180.330	7011.11	5840.09	-5838.57	463.64	1749921.83	14561373.91	40°05'40.080"N	104°36'30.390"W	0.61	
15146.00	90.520	179.950	7010.35	5928.08	-5926.57	463.43	1749922.00	14561285.95	40°05'39.211"N	104°36'30.393"W	0.44	
15233.00	89.970	179.500	7009.98	6015.08	-6013.57	463.85	1749922.80	14561198.99	40°05'38.351"N	104°36'30.387"W	0.82	
15321.00	91.110	181.020	7009.15	6103.07	-6101.56	463.45	1749922.79	14561111.03	40°05'37.481"N	104°36'30.393"W	2.16	
15408.00	89.540	179.530	7008.66	6190.06	-6188.55	463.03	1749922.75	14561024.07	40°05'36.622"N	104°36'30.398"W	2.49	
15495.00	88.490	181.140	7010.15	6277.04	-6275.53	462.52	1749922.63	14560937.12	40°05'35.762"N	104°36'30.405"W	2.21	
15583.00	89.630	181.640	7011.60	6364.99	-6363.49	460.39	1749920.88	14560849.19	40°05'34.893"N	104°36'30.432"W	1.41	
15670.00	90.460	181.120	7011.53	6451.96	-6450.47	458.29	1749919.16	14560762.24	40°05'34.034"N	104°36'30.459"W	1.13	
15758.00	89.600	180.730	7011.48	6539.94	-6538.45	456.87	1749918.13	14560674.28	40°05'33.164"N	104°36'30.477"W	1.07	
15845.00	91.110	181.540	7010.94	6626.91	-6625.43	455.15	1749916.79	14560587.33	40°05'32.304"N	104°36'30.500"W	1.97	
15933.00	91.510	180.710	7008.93	6714.86	-6713.39	453.42	1749915.45	14560499.40	40°05'31.435"N	104°36'30.522"W	1.05	
16020.00	91.510	179.980	7006.64	6801.83	-6800.36	452.90	1749915.31	14560412.46	40°05'30.576"N	104°36'30.529"W	0.84	
16107.00	92.990	181.400	7003.22	6888.75	-6887.28	451.85	1749914.64	14560325.57	40°05'29.717"N	104°36'30.542"W	2.36	
16195.00	90.710	179.870	7000.38	6976.68	-6975.22	450.88	1749914.05	14560237.66	40°05'28.848"N	104°36'30.555"W	3.12	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH DATA (246 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
16282.00	90.580	179.680	6999.40	7063.68	-7062.21	451.22	1749914.78	14560150.70	40°05'27.988"N	104°36'30.550"W	0.26	
16369.00	90.340	179.030	6998.70	7150.67	-7149.21	452.20	1749916.14	14560063.75	40°05'27.128"N	104°36'30.538"W	0.80	
16457.00	89.940	178.640	6998.49	7238.66	-7237.19	453.99	1749918.31	14559975.81	40°05'26.259"N	104°36'30.515"W	0.63	
16544.00	90.770	180.270	6997.95	7325.65	-7324.18	454.81	1749919.52	14559888.86	40°05'25.399"N	104°36'30.504"W	2.10	
16632.00	90.400	179.500	6997.05	7413.65	-7412.17	454.99	1749920.08	14559800.90	40°05'24.530"N	104°36'30.502"W	0.97	
16720.00	91.110	179.660	6995.89	7501.64	-7500.16	455.64	1749921.11	14559712.95	40°05'23.660"N	104°36'30.493"W	0.83	
16807.00	92.650	179.820	6993.04	7588.59	-7587.11	456.03	1749921.89	14559626.04	40°05'22.801"N	104°36'30.488"W	1.78	
16895.00	90.650	180.340	6990.50	7676.55	-7675.07	455.91	1749922.15	14559538.11	40°05'21.932"N	104°36'30.490"W	2.35	
16983.00	92.060	180.820	6988.42	7764.51	-7763.04	455.02	1749921.64	14559450.17	40°05'21.062"N	104°36'30.501"W	1.69	
17070.00	89.910	181.560	6986.93	7851.47	-7850.00	453.21	1749920.22	14559363.24	40°05'20.203"N	104°36'30.525"W	2.61	
17158.00	89.880	181.550	6987.09	7939.43	-7937.97	450.82	1749918.22	14559275.30	40°05'19.334"N	104°36'30.555"W	0.04	
17245.00	89.750	181.530	6987.37	8026.39	-8024.94	448.48	1749916.26	14559188.35	40°05'18.474"N	104°36'30.586"W	0.15	
17286.00†	90.155	181.623	6987.40	8067.37	-8065.92	447.36	1749915.31	14559147.38	40°05'18.069"N	104°36'30.600"W	1.01	ENTER RADIUS TOE (330'FSL & 1631'FEL,SEC.36) 40.0883526 -104.6085000
17333.00	90.620	181.730	6987.09	8114.34	-8112.90	445.98	1749914.15	14559100.41	40°05'17.605"N	104°36'30.618"W	1.01	
17421.00	89.880	180.480	6986.70	8202.31	-8200.88	444.28	1749912.83	14559012.46	40°05'16.736"N	104°36'30.640"W	1.65	
17509.00	90.680	181.150	6986.27	8290.30	-8288.87	443.03	1749911.97	14558924.50	40°05'15.866"N	104°36'30.656"W	1.19	
17597.00	91.420	181.550	6984.66	8378.25	-8376.83	440.96	1749910.28	14558836.57	40°05'14.997"N	104°36'30.682"W	0.96	
17684.00	91.200	180.740	6982.67	8465.20	-8463.79	439.22	1749908.93	14558749.63	40°05'14.138"N	104°36'30.705"W	0.96	
17772.00	92.190	180.110	6980.07	8553.16	-8551.74	438.57	1749908.66	14558661.71	40°05'13.268"N	104°36'30.713"W	1.33	
17859.00	94.100	180.980	6975.29	8640.02	-8638.61	437.74	1749908.21	14558574.88	40°05'12.410"N	104°36'30.724"W	2.41	LAST BHGE MWD+IFR1+MSA SURVEY
17920.00	94.100	180.980	6970.93	8700.85	-8699.44	436.70	1749907.44	14558514.06	40°05'11.809"N	104°36'30.737"W	0.00	PTB (303'FNL & 1640'FEL,SEC.01) 40.0866135 -104.6085381

HOLE & CASING SECTIONS - Ref Wellbore: GEORGE 25-2HZ AWB Ref Wellpath: GEORGE 25-2HZ 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	1882.00	1865.00	17.00	1816.41	0.00	0.00	394.67	89.51



REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ 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	14.57	-4.51	1749428.22	14567222.67	40°06'37.922"N	104°36'36.414"W	polygon
SEC.25-T2N-R65W	20.00	9932.53	-1329.97	1748059.81	14577130.87	40°08'15.932"N	104°36'53.480"W	polygon
GEORGE 25-2HZ BHL REV-1(330'FNL & 1623'FEL,SEC.01)	6986.00	-8725.50	454.09	1749924.94	14558488.09	40°05'11.551"N	104°36'30.514"W	point
GEORGE 25-2HZ LAT. TARGET	7007.98	-4398.73	439.67	1749891.56	14562813.08	40°05'54.309"N	104°36'30.698"W	point
GEORGE 25-2HZ HEEL REV-1(950'FNL & 1632'FEL,SEC.25)	7037.00	1315.51	420.63	1749847.49	14568524.96	40°06'50.778"N	104°36'30.942"W	point
GEORGE 25-2HZ LANDBOX	7037.00	0.00	0.00	1749432.79	14567208.13	40°06'37.778"N	104°36'36.356"W	polygon
GEORGE 25-2HZ RADIUS 1	7037.00	936.67	723.61	1750152.00	14568147.60	40°06'47.034"N	104°36'27.043"W	polygon
GEORGE 25-2HZ RADIUS 2	7037.00	-8397.21	762.82	1750232.10	14558817.60	40°05'14.795"N	104°36'26.541"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: GEORGE 25-2HZ AWB Ref Wellpath: GEORGE 25-2HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	1842.00	Custom APC ISCWSA REV 2 MWD+IFR1 (approximation)	Custom APC ISCWSA Rev-2 MWD+IFR1 <125 - 1842>	GEORGE 25-2HZ AWB
1842.00	17859.00	Custom APC ISCWSA REV 2 MWD+IFR1+MSA (approximation)	BHGE Custom APC ISCWSA Rev-2 MWD+IFR1+MSA <1889 - 17859>	GEORGE 25-2HZ AWB
17859.00	17920.00	Blind Drilling (std)	Projection to bit	GEORGE 25-2HZ AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP (WA)	Slot	SLOT#18 GEORGE 25-2HZ(2268'FNL & 2063'FEL,SEC.25)
Area	COLORADO	Well	GEORGE 25-2HZ
Field	WELD COUNTY (UTM/TRUE NORTH)	Wellbore	GEORGE 25-2HZ AWB
Facility	SEC.25-T2N-R65W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
125.00	0.440	51.540	125.00	FIRST SURFACE MWD+IFR1 SURVEY
1842.00	20.960	11.190	1779.12	LAST SURFACE MWD+IFR1 SURVEY
1889.00	21.550	10.950	1822.92	FIRST BHGE MWD+IFR1+MSA SURVEY
3706.00	25.737	14.942	3453.30	ENTER LANDBOX (1089'FNL & 1802'FEL,SEC.25) 40.1137308 -104.6091682
6707.00	2.586	180.638	6267.72	KOP
7866.00	89.070	180.550	7035.31	LANDING (917'FNL & 1653'FEL,SEC.25) 40.1142022 -104.6086327
8622.00	89.899	177.988	7030.89	EXIT RADIUS HEEL (1673'FNL & 1647'FEL,SEC.25) 40.1121273 -104.6086071
17286.00	90.155	181.623	6987.40	ENTER RADIUS TOE (330'FSL & 1631'FEL,SEC.36) 40.0883526 -104.6085000
17859.00	94.100	180.980	6975.29	LAST BHGE MWD+IFR1+MSA SURVEY
17920.00	94.100	180.980	6970.93	PTB (303'FNL & 1640'FEL,SEC.01) 40.0866135 -104.6085381