



# Actual Wellpath Report

DOUTHIT 40N-27HZ AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#34 DOUTHIT 40N-27HZ (1718'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 40N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 40N-27HZ AWB
Facility	SEC.26-T3N-R68W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 4.0.0
North Reference	True	User	Precain
Scale	0.999957	Report Generated	11/20/2014 at 2:28:28 PM
Convergence at slot	n/a	Database/Source file	WellArchitectDB/DOUTHIT_40N-27HZ_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	762.02	3346.82	3150258.32	1314155.02	40°11'40.204"N	104°57'43.632"W
Facility Reference Pt			3146916.23	1313373.21	40°11'32.676"N	104°58'26.760"W
Field Reference Pt			3197771.84	1268891.29	40°04'09.600"N	104°47'36.000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	XTREME 20 (16'KB) (RKB) to Facility Vertical Datum	4941.00ft
Horizontal Reference Pt	Slot	XTREME 20 (16'KB) (RKB) to Mean Sea Level	4941.00ft
Vertical Reference Pt	XTREME 20 (16'KB) (RKB)	XTREME 20 (16'KB) (RKB) to Mud Line at Slot (SLOT#34 DOUTHIT 40N-27HZ (1718'FSL & 416'FEL, SEC.26))	4941.00ft
MD Reference Pt	XTREME 20 (16'KB) (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	271.12°

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Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 40N-27HZ AWB
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WELLPATH DATA (158 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	231.720	0.00	0.00	0.00	0.00	40°11'40.204"N	104°57'43.632"W	0.00	
16.00	0.000	231.720	16.00	0.00	0.00	0.00	40°11'40.204"N	104°57'43.632"W	0.00	Tie-On
116.00	0.370	231.720	116.00	0.25	-0.20	-0.25	40°11'40.202"N	104°57'43.635"W	0.37	Begin GYRO Surveys
216.00	0.200	225.640	216.00	0.62	-0.52	-0.63	40°11'40.199"N	104°57'43.640"W	0.17	
316.00	0.220	179.490	316.00	0.74	-0.84	-0.75	40°11'40.196"N	104°57'43.642"W	0.17	
416.00	0.080	188.480	416.00	0.74	-1.10	-0.76	40°11'40.193"N	104°57'43.642"W	0.14	
516.00	0.160	14.980	516.00	0.72	-1.03	-0.74	40°11'40.194"N	104°57'43.642"W	0.24	
616.00	0.070	153.290	616.00	0.66	-0.95	-0.67	40°11'40.195"N	104°57'43.641"W	0.22	
716.00	0.310	238.050	716.00	0.85	-1.15	-0.88	40°11'40.193"N	104°57'43.643"W	0.31	
816.00	0.260	265.060	816.00	1.31	-1.31	-1.33	40°11'40.191"N	104°57'43.649"W	0.14	
916.00	0.340	252.320	915.99	1.81	-1.42	-1.84	40°11'40.190"N	104°57'43.656"W	0.10	
1016.00	0.340	225.740	1015.99	2.30	-1.72	-2.34	40°11'40.187"N	104°57'43.662"W	0.16	
1116.00	0.520	262.240	1115.99	2.96	-1.99	-3.00	40°11'40.184"N	104°57'43.671"W	0.32	
1181.00	0.410	236.910	1180.99	3.44	-2.15	-3.48	40°11'40.183"N	104°57'43.677"W	0.35	Tie-Into GYRO Surveys
1308.00	0.740	277.530	1307.98	4.63	-2.29	-4.68	40°11'40.181"N	104°57'43.692"W	0.40	Begin BHI MWD+IFR Surveys
1402.00	1.780	17.220	1401.96	4.83	-0.82	-4.85	40°11'40.196"N	104°57'43.694"W	2.17	
1496.00	2.690	35.990	1495.89	3.17	2.36	-3.12	40°11'40.227"N	104°57'43.672"W	1.23	
1590.00	4.050	46.540	1589.73	-0.46	6.43	0.59	40°11'40.268"N	104°57'43.624"W	1.58	
1684.00	5.390	57.640	1683.41	-6.51	11.07	6.73	40°11'40.313"N	104°57'43.545"W	1.72	
1778.00	6.880	50.260	1776.87	-14.45	17.04	14.78	40°11'40.372"N	104°57'43.441"W	1.79	
1872.00	8.840	50.030	1869.98	-24.15	25.28	24.65	40°11'40.454"N	104°57'43.314"W	2.09	
1965.00	11.230	51.290	1961.55	-36.49	35.53	37.19	40°11'40.555"N	104°57'43.153"W	2.58	
2059.00	12.610	48.260	2053.53	-51.04	48.09	51.99	40°11'40.679"N	104°57'42.962"W	1.61	
2154.00	13.110	47.430	2146.14	-66.43	62.28	67.67	40°11'40.819"N	104°57'42.760"W	0.56	
2248.00	14.040	50.790	2237.52	-82.83	76.70	84.35	40°11'40.962"N	104°57'42.545"W	1.30	
2341.00	15.730	55.540	2327.40	-101.69	90.97	103.49	40°11'41.103"N	104°57'42.298"W	2.24	
2435.00	17.750	51.460	2417.41	-123.08	107.11	125.21	40°11'41.262"N	104°57'42.019"W	2.48	
2529.00	20.030	49.100	2506.34	-146.07	126.58	148.59	40°11'41.455"N	104°57'41.717"W	2.56	
2623.00	19.000	45.490	2594.95	-168.73	147.85	171.67	40°11'41.665"N	104°57'41.420"W	1.69	
2716.00	17.320	43.560	2683.31	-188.66	168.49	192.00	40°11'41.869"N	104°57'41.158"W	1.92	
2810.00	17.510	47.470	2773.01	-208.34	188.19	212.07	40°11'42.064"N	104°57'40.899"W	1.26	
2904.00	18.480	51.630	2862.41	-230.06	207.00	234.17	40°11'42.250"N	104°57'40.614"W	1.71	
2993.00	19.070	52.150	2946.67	-252.25	224.68	256.71	40°11'42.424"N	104°57'40.324"W	0.69	
3078.00	18.210	51.120	3027.22	-273.22	241.53	278.01	40°11'42.591"N	104°57'40.049"W	1.08	
3163.00	17.640	51.560	3108.09	-293.32	257.88	298.44	40°11'42.752"N	104°57'39.786"W	0.69	
3248.00	17.430	51.120	3189.14	-313.00	273.87	318.44	40°11'42.910"N	104°57'39.528"W	0.29	
3333.00	18.950	55.320	3269.89	-333.95	289.72	339.70	40°11'43.067"N	104°57'39.254"W	2.36	
3418.00	19.290	50.380	3350.21	-355.78	306.53	361.87	40°11'43.233"N	104°57'38.969"W	1.94	
3503.00	16.480	45.630	3431.10	-374.88	323.92	381.30	40°11'43.405"N	104°57'38.718"W	3.72	
3588.00	17.920	49.530	3512.30	-393.11	340.84	399.87	40°11'43.572"N	104°57'38.479"W	2.17	
3673.00	18.420	49.010	3593.06	-412.85	358.13	419.96	40°11'43.743"N	104°57'38.220"W	0.62	
3759.00	17.530	48.800	3674.86	-432.51	375.58	439.96	40°11'43.915"N	104°57'37.962"W	1.04	
3844.00	19.020	48.870	3755.57	-452.22	393.12	460.02	40°11'44.089"N	104°57'37.704"W	1.75	
3929.00	19.700	50.330	3835.76	-473.32	411.38	481.49	40°11'44.269"N	104°57'37.427"W	0.98	
4014.00	18.620	48.820	3916.05	-494.21	429.46	502.73	40°11'44.448"N	104°57'37.154"W	1.40	

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Area	COLORADO	Well	DOUTHIT 40N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 40N-27HZ AWB
Facility	SEC.26-T3N-R68W		

WELLPATH DATA (158 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4099.00	17.930	50.600	3996.77	-514.19	446.70	523.05	40°11'44.618"N	104°57'36.892"W	1.04	
4184.00	14.880	50.670	4078.30	-532.44	461.92	541.61	40°11'44.769"N	104°57'36.653"W	3.59	
4269.00	14.570	51.620	4160.51	-549.00	475.48	558.43	40°11'44.903"N	104°57'36.436"W	0.46	
4354.00	16.070	52.270	4242.48	-566.41	489.31	576.12	40°11'45.039"N	104°57'36.208"W	1.78	
4439.00	15.730	49.460	4324.23	-584.18	504.00	594.18	40°11'45.184"N	104°57'35.975"W	0.99	
4524.00	12.550	51.050	4406.65	-599.86	517.30	610.12	40°11'45.316"N	104°57'35.770"W	3.77	
4609.00	10.630	50.250	4489.91	-612.85	528.12	623.33	40°11'45.423"N	104°57'35.599"W	2.27	
4694.00	9.180	51.390	4573.64	-623.99	537.37	634.66	40°11'45.514"N	104°57'35.453"W	1.72	
4780.00	8.190	51.870	4658.65	-634.01	545.43	644.84	40°11'45.594"N	104°57'35.322"W	1.15	
4864.00	7.710	50.070	4741.85	-642.90	552.74	653.86	40°11'45.666"N	104°57'35.206"W	0.64	
4950.00	5.470	51.200	4827.27	-650.39	559.01	661.48	40°11'45.728"N	104°57'35.108"W	2.61	
5035.00	3.110	46.470	4912.03	-655.14	563.14	666.31	40°11'45.769"N	104°57'35.046"W	2.81	
5120.00	1.520	58.380	4996.96	-657.73	565.32	668.94	40°11'45.790"N	104°57'35.012"W	1.94	
5205.00	0.420	284.940	5081.95	-658.37	565.99	669.60	40°11'45.797"N	104°57'35.003"W	2.16	
5293.00	0.700	280.400	5169.94	-657.53	566.17	668.76	40°11'45.799"N	104°57'35.014"W	0.32	
5377.00	1.440	119.310	5253.94	-657.95	565.75	669.18	40°11'45.795"N	104°57'35.009"W	2.52	
5462.00	1.230	123.580	5338.91	-659.66	564.72	670.87	40°11'45.784"N	104°57'34.987"W	0.27	
5547.00	0.410	76.660	5423.90	-660.73	564.28	671.93	40°11'45.780"N	104°57'34.973"W	1.17	
5717.00	0.710	257.540	5593.90	-660.29	564.20	671.49	40°11'45.779"N	104°57'34.979"W	0.66	
5803.00	0.540	246.850	5679.90	-659.41	563.92	670.60	40°11'45.777"N	104°57'34.990"W	0.24	
5887.00	0.350	236.560	5763.89	-658.83	563.63	670.02	40°11'45.774"N	104°57'34.998"W	0.24	
6058.00	1.240	239.600	5934.88	-656.83	562.40	667.99	40°11'45.762"N	104°57'35.024"W	0.52	
6143.00	0.170	58.860	6019.87	-656.15	562.00	667.30	40°11'45.758"N	104°57'35.033"W	1.66	
6228.00	0.590	257.890	6104.87	-655.83	561.97	666.98	40°11'45.757"N	104°57'35.037"W	0.89	
6313.00	0.470	115.120	6189.87	-655.72	561.73	666.87	40°11'45.755"N	104°57'35.038"W	1.18	
6398.00	0.680	65.640	6274.86	-656.50	561.79	667.64	40°11'45.756"N	104°57'35.028"W	0.61	
6483.00	0.630	126.410	6359.86	-657.33	561.73	668.48	40°11'45.755"N	104°57'35.018"W	0.78	
6568.00	0.440	149.900	6444.86	-657.88	561.17	669.02	40°11'45.749"N	104°57'35.011"W	0.34	
6611.00	4.480	278.840	6487.81	-656.30	561.28	667.44	40°11'45.750"N	104°57'35.031"W	11.09	
6655.00	9.760	271.630	6531.46	-650.87	561.65	662.01	40°11'45.754"N	104°57'35.101"W	12.15	
6698.00	13.560	275.330	6573.57	-642.19	562.22	653.35	40°11'45.760"N	104°57'35.213"W	9.00	
6740.00	16.470	277.230	6614.13	-631.36	563.43	642.54	40°11'45.772"N	104°57'35.352"W	7.03	
6783.00	21.140	275.260	6654.82	-617.56	564.91	628.76	40°11'45.786"N	104°57'35.529"W	10.96	
6825.00	24.810	273.000	6693.48	-601.19	566.06	612.41	40°11'45.798"N	104°57'35.740"W	8.99	
6868.00	27.070	269.020	6732.15	-582.39	566.37	593.62	40°11'45.801"N	104°57'35.982"W	6.63	
6910.00	29.550	268.050	6769.13	-562.50	565.85	573.71	40°11'45.796"N	104°57'36.239"W	6.01	
6953.00	34.340	270.980	6805.61	-539.77	565.70	550.97	40°11'45.794"N	104°57'36.532"W	11.71	
6995.00	38.820	271.890	6839.32	-514.74	566.34	525.95	40°11'45.800"N	104°57'36.854"W	10.74	
7038.00	43.160	271.900	6871.77	-486.55	567.27	497.77	40°11'45.810"N	104°57'37.217"W	10.09	
7080.00	46.240	268.360	6901.63	-457.02	567.31	468.24	40°11'45.810"N	104°57'37.598"W	9.43	
7123.00	49.320	266.940	6930.52	-425.24	566.00	436.43	40°11'45.797"N	104°57'38.008"W	7.57	
7165.00	52.890	267.200	6956.89	-392.64	564.33	403.79	40°11'45.781"N	104°57'38.429"W	8.51	
7208.00	56.830	268.150	6981.63	-357.55	562.91	368.66	40°11'45.767"N	104°57'38.881"W	9.34	
7250.00	59.120	268.230	7003.90	-321.99	561.78	333.07	40°11'45.756"N	104°57'39.340"W	5.45	
7293.00	64.420	271.070	7024.24	-284.14	561.58	295.21	40°11'45.753"N	104°57'39.828"W	13.63	

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7335.00	70.040	271.380	7040.49	-245.42	562.41	256.51	40°11'45.762"N	104°57'40.327"W	13.40	
7378.00	74.360	273.050	7053.63	-204.50	564.00	215.61	40°11'45.777"N	104°57'40.854"W	10.71	
7420.00	75.100	273.660	7064.69	-164.02	566.37	175.16	40°11'45.801"N	104°57'41.375"W	2.25	
7463.00	78.230	272.470	7074.61	-122.21	568.60	133.38	40°11'45.823"N	104°57'41.913"W	7.76	
7504.00	83.520	270.560	7081.11	-81.74	569.67	92.93	40°11'45.833"N	104°57'42.434"W	13.70	
7557.00†	86.473	270.679	7085.73	-28.95	570.24	40.14	40°11'45.839"N	104°57'43.115"W	5.58	7" Casing Point
7602.00	88.980	270.780	7087.52	16.01	570.81	-4.81	40°11'45.845"N	104°57'43.694"W	5.58	
7689.00	90.090	272.150	7088.22	103.00	573.03	-91.78	40°11'45.867"N	104°57'44.815"W	2.03	
7774.00	89.380	272.230	7088.62	187.98	576.28	-176.71	40°11'45.899"N	104°57'45.909"W	0.84	
7859.00	89.930	271.720	7089.13	272.97	579.21	-261.66	40°11'45.928"N	104°57'47.004"W	0.88	
7944.00	91.330	271.460	7088.19	357.96	581.57	-346.62	40°11'45.951"N	104°57'48.099"W	1.68	
8029.00	90.370	271.470	7086.93	442.95	583.74	-431.58	40°11'45.973"N	104°57'49.194"W	1.13	
8114.00	90.520	271.430	7086.27	527.95	585.89	-516.55	40°11'45.994"N	104°57'50.289"W	0.18	
8199.00	90.920	271.320	7085.20	612.94	587.93	-601.52	40°11'46.014"N	104°57'51.384"W	0.49	
8284.00	91.410	271.770	7083.48	697.92	590.22	-686.47	40°11'46.036"N	104°57'52.478"W	0.78	
8369.00	91.320	271.570	7081.45	782.89	592.70	-771.41	40°11'46.061"N	104°57'53.573"W	0.26	
8454.00	91.140	271.460	7079.63	867.87	594.95	-856.36	40°11'46.083"N	104°57'54.668"W	0.25	
8540.00	91.230	271.330	7077.85	953.85	597.04	-942.32	40°11'46.104"N	104°57'55.775"W	0.18	
8625.00	91.540	271.280	7075.79	1038.82	598.98	-1027.27	40°11'46.123"N	104°57'56.870"W	0.37	
8709.00	89.960	271.290	7074.69	1122.81	600.86	-1111.24	40°11'46.141"N	104°57'57.952"W	1.88	
8795.00	88.980	270.960	7075.49	1208.81	602.55	-1197.22	40°11'46.158"N	104°57'59.060"W	1.20	
8880.00	89.290	271.390	7076.77	1293.80	604.29	-1282.19	40°11'46.175"N	104°58'00.155"W	0.62	
8965.00	89.010	271.540	7078.03	1378.79	606.46	-1367.16	40°11'46.197"N	104°58'01.250"W	0.37	
9050.00	89.350	271.870	7079.25	1463.78	608.99	-1452.11	40°11'46.222"N	104°58'02.345"W	0.56	
9135.00	88.020	270.950	7081.20	1548.75	611.08	-1537.06	40°11'46.242"N	104°58'03.439"W	1.90	
9220.00	88.760	270.920	7083.59	1633.71	612.47	-1622.01	40°11'46.256"N	104°58'04.534"W	0.87	
9306.00	90.400	271.380	7084.22	1719.71	614.20	-1707.99	40°11'46.273"N	104°58'05.642"W	1.98	
9390.00	91.050	271.130	7083.16	1803.70	616.04	-1791.96	40°11'46.291"N	104°58'06.724"W	0.83	
9475.00	91.080	271.160	7081.58	1888.69	617.73	-1876.93	40°11'46.308"N	104°58'07.819"W	0.05	
9561.00	90.710	270.880	7080.23	1974.68	619.26	-1962.91	40°11'46.323"N	104°58'08.927"W	0.54	
9646.00	91.200	271.040	7078.82	2059.66	620.69	-2047.88	40°11'46.337"N	104°58'10.022"W	0.61	
9730.00	91.170	271.120	7077.08	2143.65	622.27	-2131.85	40°11'46.352"N	104°58'11.104"W	0.10	
9815.00	91.020	271.240	7075.45	2228.63	624.02	-2216.82	40°11'46.370"N	104°58'12.199"W	0.23	
9900.00	90.460	271.530	7074.36	2313.62	626.08	-2301.78	40°11'46.390"N	104°58'13.294"W	0.74	
9985.00	89.780	271.020	7074.18	2398.62	627.97	-2386.76	40°11'46.408"N	104°58'14.389"W	1.00	
10070.00	89.940	271.240	7074.39	2483.62	629.64	-2471.74	40°11'46.425"N	104°58'15.484"W	0.32	
10155.00	89.380	271.360	7074.89	2568.62	631.57	-2556.72	40°11'46.444"N	104°58'16.579"W	0.67	
10240.00	90.180	271.500	7075.22	2653.62	633.69	-2641.69	40°11'46.465"N	104°58'17.674"W	0.96	
10325.00	88.920	271.160	7075.89	2738.61	635.67	-2726.67	40°11'46.484"N	104°58'18.769"W	1.54	
10410.00	88.740	271.270	7077.62	2823.59	637.47	-2811.63	40°11'46.502"N	104°58'19.864"W	0.25	
10495.00	88.090	270.640	7079.97	2908.56	638.88	-2896.58	40°11'46.516"N	104°58'20.959"W	1.06	
10580.00	89.320	270.210	7081.89	2993.53	639.51	-2981.56	40°11'46.522"N	104°58'22.054"W	1.53	
10665.00	89.400	270.140	7082.84	3078.51	639.77	-3066.55	40°11'46.524"N	104°58'23.149"W	0.13	
10750.00	87.600	270.190	7085.07	3163.47	640.02	-3151.52	40°11'46.527"N	104°58'24.244"W	2.12	
10835.00	87.040	270.200	7089.04	3248.36	640.31	-3236.43	40°11'46.529"N	104°58'25.339"W	0.66	



# Actual Wellpath Report

DOUTHIT 40N-27HZ AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#34 DOUTHIT 40N-27HZ (1718'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 40N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 40N-27HZ AWB
Facility	SEC.26-T3N-R68W		

WELLPATH DATA (158 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
10921.00	87.710	270.360	7092.98	3334.26	640.73	-3322.33	40°11'46.533"N	104°58'26.446"W	0.80	
11006.00	90.400	271.990	7094.38	3419.24	642.47	-3407.29	40°11'46.551"N	104°58'27.540"W	3.70	
11091.00	90.860	271.930	7093.45	3504.23	645.38	-3492.24	40°11'46.579"N	104°58'28.635"W	0.55	
11176.00	91.170	271.980	7091.94	3589.20	648.28	-3577.18	40°11'46.608"N	104°58'29.730"W	0.37	
11261.00	91.480	272.230	7089.98	3674.17	651.40	-3662.09	40°11'46.638"N	104°58'30.824"W	0.47	
11346.00	90.580	271.560	7088.45	3759.15	654.21	-3747.03	40°11'46.666"N	104°58'31.919"W	1.32	
11431.00	90.460	271.600	7087.68	3844.14	656.55	-3832.00	40°11'46.689"N	104°58'33.013"W	0.15	
11516.00	90.640	271.550	7086.86	3929.13	658.89	-3916.96	40°11'46.712"N	104°58'34.108"W	0.22	
11602.00	90.700	270.980	7085.86	4015.13	660.79	-4002.93	40°11'46.731"N	104°58'35.216"W	0.67	
11688.00	90.640	270.290	7084.85	4101.12	661.74	-4088.92	40°11'46.740"N	104°58'36.324"W	0.81	
11774.00	90.640	269.710	7083.89	4187.09	661.74	-4174.92	40°11'46.740"N	104°58'37.433"W	0.67	
11858.00	90.300	269.140	7083.20	4271.05	660.90	-4258.91	40°11'46.731"N	104°58'38.515"W	0.79	
11943.00	89.530	269.570	7083.33	4356.01	659.94	-4343.90	40°11'46.722"N	104°58'39.610"W	1.04	
12028.00	89.720	270.570	7083.88	4441.00	660.04	-4428.90	40°11'46.723"N	104°58'40.706"W	1.20	
12113.00	90.640	271.160	7083.62	4525.99	661.33	-4513.89	40°11'46.735"N	104°58'41.801"W	1.29	
12198.00	90.270	271.480	7082.94	4610.99	663.28	-4598.86	40°11'46.754"N	104°58'42.896"W	0.58	
12284.00	90.640	271.380	7082.26	4696.99	665.43	-4684.83	40°11'46.775"N	104°58'44.004"W	0.45	
12369.00	91.720	271.060	7080.51	4781.97	667.24	-4769.79	40°11'46.793"N	104°58'45.099"W	1.33	
12454.00	90.030	270.830	7079.21	4866.95	668.64	-4854.77	40°11'46.807"N	104°58'46.194"W	2.01	
12539.00	89.930	271.160	7079.24	4951.95	670.12	-4939.76	40°11'46.821"N	104°58'47.289"W	0.41	
12624.00	88.640	270.800	7080.30	5036.94	671.57	-5024.74	40°11'46.835"N	104°58'48.384"W	1.58	
12693.00	88.330	270.510	7082.12	5105.92	672.36	-5093.71	40°11'46.843"N	104°58'49.273"W	0.62	Last BHI MWD+IFR Surveys
12760.00	88.330	270.510	7084.08	5172.88	672.96	-5160.68	40°11'46.849"N	104°58'50.136"W	0.00	Projection to Bit

HOLE & CASING SECTIONS - Ref Wellbore: DOUTHIT 40N-27HZ AWB Ref Wellpath: DOUTHIT 40N-27HZ 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]
13.5in Open Hole	16.00	1255.00	1239.00	16.00	1254.98	0.00	0.00	-2.32	-4.08
9.625in Casing Surface	16.00	1249.00	1233.00	16.00	1248.98	0.00	0.00	-2.32	-4.02
8.75in Open Hole	1255.00	7567.00	6312.00	1254.98	7086.30	-2.32	-4.08	570.36	30.16
7in Casing Intermediate	16.00	7557.00	7541.00	16.00	7085.73	0.00	0.00	570.24	40.14
6.125in Open Hole	7557.00	12760.00	5203.00	7085.73	7084.08	570.24	40.14	672.96	-5160.68

# Actual Wellpath Report

DOUTHIT 40N-27HZ AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#34 DOUTHIT 40N-27HZ (1718'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 40N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 40N-27HZ AWB
Facility	SEC.26-T3N-R68W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
SEC.26-T3N-R68W HARDLINES (460' SETBACKS)		-18.00	2092.50	141.92	3150387.54	1316248.25	40°12'00.882"N	104°57'41.803"W	polygon
SEC.26-T3N-R68W SECTION LINES		-18.00	2092.50	141.92	3150387.54	1316248.25	40°12'00.882"N	104°57'41.803"W	polygon
SEC.27-T3N-R68W HARDLINES (460' SETBACKS)		-18.00	2092.50	141.92	3150387.54	1316248.25	40°12'00.882"N	104°57'41.803"W	polygon
SEC.27-T3N-R68W SECTION LINES		-18.00	2092.50	141.92	3150387.54	1316248.25	40°12'00.882"N	104°57'41.803"W	polygon
DOUTHIT 40N-27HZ BHL (2430'FSL & 300'FEL, SEC.27) REV-2		7074.00	680.87	-5185.76	3145068.76	1314804.40	40°11'46.927"N	104°58'50.459"W	point
DOUTHIT 40N-27HZ BHL ON PLAT (2350'FSL & 300'FEL, SEC.27) REV-1		7074.00	600.87	-5185.76	3145069.24	1314724.40	40°11'46.136"N	104°58'50.459"W	point
DOUTHIT 40N-27HZ LAND BOX		7075.00	0.00	0.00	3150258.32	1314155.02	40°11'40.204"N	104°57'43.632"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: DOUTHIT 40N-27HZ AWB					Ref Wellpath: DOUTHIT 40N-27HZ AWP	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model		Log Name/Comment		Wellbore
16.00	1181.00	Generic gyro - continuous (Standard)		MS ENERGY GYRO SURVEYS 13 1/2" <116-1181>		DOUTHIT 40N-27HZ AWB
1181.00	7504.00	NaviTrak (IFR)		BHI MWD+IFR SURVEYS 8 3/4" HOLE <1308-7504>		DOUTHIT 40N-27HZ AWB
7504.00	12693.00	NaviTrak (IFR)		BHI MWD+IFR SURVEYS 6 1/8" HOLE <7602-12693>		DOUTHIT 40N-27HZ AWB
12693.00	12760.00	Blind Drilling (std)		Projection to bit		DOUTHIT 40N-27HZ AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#34 DOUTHIT 40N-27HZ (1718'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 40N-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 40N-27HZ AWB
Facility	SEC.26-T3N-R68W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	231.720	16.00	Tie-On
116.00	0.370	231.720	116.00	Begin GYRO Surveys
1181.00	0.410	236.910	1180.99	Tie-Into GYRO Surveys
1308.00	0.740	277.530	1307.98	Begin BHI MWD+IFR Surveys
7557.00	86.473	270.679	7085.73	7" Casing Point
12693.00	88.330	270.510	7082.12	Last BHI MWD+IFR Surveys
12760.00	88.330	270.510	7084.08	Projection to Bit