

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#33 DOUTHIT 9C-27HZ (1688'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 9C-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 9C-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	Precairn
Scale	0.999957	Report Generated	11/21/2014 at 10:03:32 AM
Convergence at slot	n/a	Database/Source file	WellArchitectDB/DOUTHIT_9C-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	732.06	3346.82	3150258.50	1314125.07	40°11'39.908"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#33 DOUTHIT 9C-27HZ (1688'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	269.67°

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	170.540	0.00	0.00	0.00	0.00	40°11'39.908"N	104°57'43.632"W	0.00	
16.00	0.000	170.540	16.00	0.00	0.00	0.00	40°11'39.908"N	104°57'43.632"W	0.00	Tie-On
116.00	0.590	170.540	116.00	-0.08	-0.51	0.08	40°11'39.903"N	104°57'43.631"W	0.59	Begin GYRO Surveys
216.00	0.570	181.200	215.99	-0.15	-1.51	0.16	40°11'39.893"N	104°57'43.630"W	0.11	
316.00	0.290	154.170	315.99	-0.25	-2.24	0.26	40°11'39.886"N	104°57'43.629"W	0.34	
416.00	0.250	188.880	415.99	-0.32	-2.68	0.34	40°11'39.882"N	104°57'43.628"W	0.17	
516.00	0.310	144.300	515.99	-0.44	-3.12	0.46	40°11'39.877"N	104°57'43.626"W	0.22	
616.00	0.110	144.430	615.99	-0.65	-3.41	0.67	40°11'39.874"N	104°57'43.623"W	0.20	
716.00	0.420	102.040	715.99	-1.07	-3.57	1.09	40°11'39.873"N	104°57'43.618"W	0.35	
816.00	0.200	146.380	815.98	-1.52	-3.79	1.54	40°11'39.871"N	104°57'43.612"W	0.31	
916.00	0.250	141.700	915.98	-1.75	-4.11	1.77	40°11'39.867"N	104°57'43.609"W	0.05	
1016.00	0.130	90.720	1015.98	-2.00	-4.28	2.02	40°11'39.866"N	104°57'43.606"W	0.20	
1116.00	0.240	44.030	1115.98	-2.26	-4.13	2.28	40°11'39.867"N	104°57'43.603"W	0.18	
1206.00	0.140	52.770	1205.98	-2.48	-3.93	2.50	40°11'39.869"N	104°57'43.600"W	0.12	Tie-Into GYRO Surveys
1308.00	0.530	265.210	1307.98	-2.11	-3.89	2.13	40°11'39.870"N	104°57'43.605"W	0.64	Begin BHI MWD+IFR Surveys
1402.00	2.150	83.810	1401.96	-3.43	-3.74	3.45	40°11'39.871"N	104°57'43.588"W	2.85	
1496.00	4.400	76.570	1495.80	-8.69	-2.71	8.71	40°11'39.881"N	104°57'43.520"W	2.43	
1590.00	6.100	70.620	1589.41	-16.93	-0.22	16.93	40°11'39.906"N	104°57'43.414"W	1.90	
1684.00	7.600	73.670	1682.73	-27.63	3.19	27.61	40°11'39.940"N	104°57'43.276"W	1.64	
1778.00	8.600	76.180	1775.80	-40.44	6.62	40.40	40°11'39.973"N	104°57'43.111"W	1.13	
1872.00	9.410	79.830	1868.64	-54.84	9.65	54.79	40°11'40.003"N	104°57'42.926"W	1.05	
1966.00	11.910	85.480	1961.01	-72.09	11.77	72.02	40°11'40.024"N	104°57'42.704"W	2.88	
2060.00	13.720	85.030	2052.66	-92.88	13.50	92.80	40°11'40.041"N	104°57'42.436"W	1.93	
2154.00	13.930	80.770	2143.94	-115.17	16.28	115.07	40°11'40.069"N	104°57'42.149"W	1.11	
2248.00	14.460	75.820	2235.08	-137.74	20.97	137.62	40°11'40.115"N	104°57'41.859"W	1.41	
2342.00	14.420	72.370	2326.11	-160.31	27.39	160.15	40°11'40.179"N	104°57'41.568"W	0.92	
2436.00	13.700	70.990	2417.29	-182.03	34.56	181.83	40°11'40.250"N	104°57'41.289"W	0.84	
2530.00	14.070	77.270	2508.55	-203.74	40.71	203.50	40°11'40.310"N	104°57'41.010"W	1.65	
2623.00	13.740	75.260	2598.83	-225.48	46.01	225.21	40°11'40.363"N	104°57'40.730"W	0.63	
2717.00	14.110	80.590	2690.07	-247.60	50.72	247.31	40°11'40.409"N	104°57'40.445"W	1.42	
2810.00	13.340	77.880	2780.41	-269.30	54.83	268.99	40°11'40.450"N	104°57'40.166"W	1.08	
2904.00	13.370	83.820	2871.87	-290.73	58.28	290.40	40°11'40.484"N	104°57'39.890"W	1.46	
2993.00	14.050	82.180	2958.34	-311.68	60.85	311.33	40°11'40.509"N	104°57'39.620"W	0.88	
3078.00	12.950	77.580	3040.99	-331.22	64.31	330.85	40°11'40.543"N	104°57'39.369"W	1.81	
3163.00	12.650	78.090	3123.88	-349.65	68.28	349.26	40°11'40.583"N	104°57'39.131"W	0.38	
3248.00	13.230	79.130	3206.72	-368.33	72.03	367.92	40°11'40.620"N	104°57'38.891"W	0.74	
3333.00	13.270	80.530	3289.46	-387.53	75.47	387.10	40°11'40.654"N	104°57'38.644"W	0.38	
3418.00	13.990	77.530	3372.06	-407.20	79.29	406.75	40°11'40.692"N	104°57'38.390"W	1.19	
3503.00	14.550	72.580	3454.44	-427.46	84.71	426.97	40°11'40.745"N	104°57'38.130"W	1.58	
3588.00	14.400	75.040	3536.75	-447.89	90.63	447.37	40°11'40.804"N	104°57'37.867"W	0.74	
3673.00	13.800	72.500	3619.19	-467.80	96.41	467.25	40°11'40.861"N	104°57'37.611"W	1.01	
3758.00	13.580	78.060	3701.77	-487.26	101.53	486.68	40°11'40.911"N	104°57'37.360"W	1.57	
3844.00	15.670	78.680	3784.98	-508.56	105.89	507.95	40°11'40.954"N	104°57'37.086"W	2.44	
3929.00	15.120	76.260	3866.93	-530.61	110.78	529.98	40°11'41.003"N	104°57'36.803"W	0.99	
4014.00	15.240	73.330	3948.97	-552.11	116.62	551.45	40°11'41.060"N	104°57'36.526"W	0.91	

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4099.00	13.510	70.910	4031.31	-572.24	123.07	571.53	40°11'41.124"N	104°57'36.267"W	2.15	
4184.00	12.730	76.980	4114.09	-590.78	128.43	590.04	40°11'41.177"N	104°57'36.029"W	1.86	
4269.00	12.740	76.450	4197.00	-609.04	132.73	608.28	40°11'41.220"N	104°57'35.794"W	0.14	
4355.00	13.370	81.000	4280.78	-628.10	136.51	627.32	40°11'41.257"N	104°57'35.548"W	1.40	
4440.00	12.980	76.210	4363.54	-647.10	140.32	646.30	40°11'41.295"N	104°57'35.304"W	1.36	
4525.00	9.410	76.210	4446.91	-663.15	144.26	662.32	40°11'41.333"N	104°57'35.097"W	4.20	
4610.00	8.180	77.740	4530.91	-675.82	147.20	674.98	40°11'41.363"N	104°57'34.934"W	1.47	
4695.00	7.480	76.870	4615.12	-687.13	149.74	686.27	40°11'41.388"N	104°57'34.788"W	0.84	
4780.00	7.240	76.260	4699.42	-697.74	152.27	696.87	40°11'41.413"N	104°57'34.652"W	0.30	
4865.00	5.430	74.810	4783.90	-706.84	154.59	705.95	40°11'41.436"N	104°57'34.535"W	2.14	
4949.00	3.180	76.810	4867.65	-712.95	156.17	712.06	40°11'41.451"N	104°57'34.456"W	2.68	
5035.00	1.390	86.960	4953.58	-716.32	156.77	715.42	40°11'41.457"N	104°57'34.413"W	2.13	
5120.00	0.330	173.890	5038.57	-717.37	156.58	716.48	40°11'41.455"N	104°57'34.399"W	1.66	
5290.00	0.480	207.440	5208.57	-717.09	155.46	716.20	40°11'41.444"N	104°57'34.403"W	0.16	
5545.00	0.470	201.680	5463.56	-716.20	153.54	715.32	40°11'41.425"N	104°57'34.414"W	0.02	
5800.00	0.990	294.580	5718.55	-713.81	153.48	712.93	40°11'41.425"N	104°57'34.445"W	0.44	
5885.00	0.680	213.950	5803.54	-712.86	153.37	711.98	40°11'41.424"N	104°57'34.457"W	1.30	
5970.00	1.010	132.350	5888.53	-713.13	152.45	712.25	40°11'41.414"N	104°57'34.454"W	1.33	
6141.00	0.520	149.110	6059.52	-714.63	150.77	713.77	40°11'41.398"N	104°57'34.434"W	0.31	
6311.00	0.850	190.020	6229.50	-714.80	148.86	713.94	40°11'41.379"N	104°57'34.432"W	0.34	
6481.00	0.760	2.190	6399.50	-714.62	148.75	713.77	40°11'41.378"N	104°57'34.434"W	0.94	
6651.00	0.610	316.920	6569.49	-714.05	150.54	713.19	40°11'41.395"N	104°57'34.442"W	0.32	
6736.00	1.240	276.070	6654.48	-712.83	150.96	711.97	40°11'41.400"N	104°57'34.457"W	1.03	
6779.00	5.420	280.060	6697.39	-710.37	151.37	709.50	40°11'41.404"N	104°57'34.489"W	9.73	
6820.00	8.720	282.440	6738.08	-705.43	152.38	704.56	40°11'41.414"N	104°57'34.553"W	8.08	
6862.00	12.670	288.280	6779.34	-697.96	154.51	697.08	40°11'41.435"N	104°57'34.649"W	9.74	
6907.00	16.360	285.370	6822.90	-687.18	157.74	686.27	40°11'41.467"N	104°57'34.788"W	8.36	
6950.00	20.680	283.950	6863.66	-673.99	161.17	673.06	40°11'41.501"N	104°57'34.959"W	10.10	
6994.00	23.330	283.130	6904.45	-657.98	165.03	657.03	40°11'41.539"N	104°57'35.165"W	6.06	
7037.00	26.730	284.180	6943.41	-640.33	169.33	639.36	40°11'41.581"N	104°57'35.393"W	7.97	
7079.00	28.700	276.950	6980.60	-621.18	172.87	620.18	40°11'41.616"N	104°57'35.640"W	9.27	
7122.00	33.380	272.470	7017.44	-599.11	174.63	598.10	40°11'41.634"N	104°57'35.925"W	12.13	
7164.00	38.350	269.740	7051.46	-574.52	175.06	573.51	40°11'41.638"N	104°57'36.242"W	12.43	
7207.00	42.470	267.500	7084.20	-546.66	174.37	545.65	40°11'41.631"N	104°57'36.601"W	10.16	
7249.00	47.100	266.260	7114.00	-517.12	172.75	516.12	40°11'41.615"N	104°57'36.981"W	11.22	
7292.00	51.350	265.770	7142.08	-484.63	170.48	483.65	40°11'41.593"N	104°57'37.400"W	9.92	
7334.00	56.450	264.820	7166.82	-450.80	167.69	449.84	40°11'41.565"N	104°57'37.835"W	12.28	
7377.00	61.410	264.630	7189.00	-414.12	164.30	413.17	40°11'41.532"N	104°57'38.308"W	11.54	
7419.00	66.620	265.730	7207.40	-376.50	161.14	375.57	40°11'41.500"N	104°57'38.792"W	12.63	
7462.00	70.760	266.480	7223.02	-336.52	158.42	335.61	40°11'41.474"N	104°57'39.307"W	9.76	
7504.00	72.180	266.720	7236.37	-296.76	156.06	295.86	40°11'41.450"N	104°57'39.820"W	3.42	
7547.00	76.560	265.840	7247.95	-255.43	153.37	254.54	40°11'41.424"N	104°57'40.352"W	10.37	
7586.00	81.210	266.760	7255.47	-217.24	150.91	216.37	40°11'41.399"N	104°57'40.844"W	12.15	
7632.00†	84.533	267.359	7261.18	-171.65	148.57	170.79	40°11'41.376"N	104°57'41.431"W	7.34	7" Casing Point
7688.00	88.580	268.080	7264.54	-115.79	146.34	114.95	40°11'41.354"N	104°57'42.151"W	7.34	

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7773.00	88.850	269.120	7266.45	-30.83	144.27	29.99	40°11'41.334"N	104°57'43.245"W	1.26	
7860.00	89.470	270.100	7267.72	56.16	143.67	-56.99	40°11'41.328"N	104°57'44.366"W	1.33	
7945.00	90.490	270.130	7267.75	141.15	143.84	-141.99	40°11'41.329"N	104°57'45.462"W	1.20	
8030.00	90.060	269.560	7267.34	226.15	143.61	-226.99	40°11'41.327"N	104°57'46.557"W	0.84	
8115.00	89.750	269.250	7267.48	311.15	142.73	-311.99	40°11'41.318"N	104°57'47.652"W	0.52	
8200.00	89.530	269.080	7268.02	396.15	141.49	-396.98	40°11'41.306"N	104°57'48.748"W	0.33	
8285.00	90.580	269.680	7267.94	481.14	140.57	-481.97	40°11'41.297"N	104°57'49.843"W	1.42	
8456.00	90.400	270.160	7266.47	652.13	140.33	-652.96	40°11'41.295"N	104°57'52.046"W	0.30	
8540.00	90.330	270.170	7265.94	736.13	140.58	-736.96	40°11'41.297"N	104°57'53.129"W	0.08	
8711.00	90.120	270.100	7265.27	907.12	140.98	-907.96	40°11'41.301"N	104°57'55.332"W	0.13	
8881.00	89.190	269.300	7266.29	1077.12	140.09	-1077.95	40°11'41.292"N	104°57'57.523"W	0.72	
8966.00	89.010	269.100	7267.63	1162.10	138.90	-1162.93	40°11'41.280"N	104°57'58.618"W	0.32	
9051.00	90.240	269.070	7268.18	1247.10	137.55	-1247.92	40°11'41.267"N	104°57'59.713"W	1.45	
9136.00	90.460	269.270	7267.66	1332.09	136.31	-1332.91	40°11'41.255"N	104°58'00.808"W	0.35	
9221.00	90.180	269.330	7267.19	1417.09	135.28	-1417.90	40°11'41.244"N	104°58'01.903"W	0.34	
9392.00	89.810	269.410	7267.20	1588.08	133.40	-1588.89	40°11'41.226"N	104°58'04.107"W	0.22	
9477.00	88.950	268.930	7268.12	1673.08	132.16	-1673.87	40°11'41.213"N	104°58'05.202"W	1.16	
9562.00	89.440	268.710	7269.32	1758.06	130.41	-1758.85	40°11'41.196"N	104°58'06.297"W	0.63	
9647.00	89.660	268.490	7269.98	1843.04	128.34	-1843.82	40°11'41.176"N	104°58'07.392"W	0.37	
9732.00	90.460	269.050	7269.90	1928.03	126.51	-1928.80	40°11'41.157"N	104°58'08.487"W	1.15	
9817.00	90.180	269.190	7269.42	2013.02	125.21	-2013.78	40°11'41.144"N	104°58'09.582"W	0.37	
9902.00	90.610	269.520	7268.83	2098.02	124.25	-2098.78	40°11'41.135"N	104°58'10.678"W	0.64	
9987.00	90.580	269.870	7267.95	2183.01	123.80	-2183.77	40°11'41.130"N	104°58'11.773"W	0.41	
10073.00	90.150	268.870	7267.40	2269.01	122.85	-2269.76	40°11'41.121"N	104°58'12.881"W	1.27	
10157.00	90.830	269.320	7266.69	2353.00	121.53	-2353.75	40°11'41.108"N	104°58'13.963"W	0.97	
10242.00	90.300	270.450	7265.85	2438.00	121.36	-2438.74	40°11'41.106"N	104°58'15.058"W	1.47	
10327.00	90.980	271.180	7264.90	2522.97	122.56	-2523.73	40°11'41.118"N	104°58'16.154"W	1.17	
10412.00	91.470	271.390	7263.08	2607.92	124.47	-2608.69	40°11'41.137"N	104°58'17.248"W	0.63	
10497.00	90.090	270.710	7261.92	2692.88	126.03	-2693.66	40°11'41.152"N	104°58'18.343"W	1.81	
10582.00	89.380	270.530	7262.32	2777.87	126.95	-2778.66	40°11'41.161"N	104°58'19.439"W	0.86	
10667.00	89.960	269.340	7262.81	2862.87	126.85	-2863.65	40°11'41.160"N	104°58'20.534"W	1.56	
10752.00	91.140	269.650	7261.99	2947.86	126.10	-2948.64	40°11'41.152"N	104°58'21.629"W	1.44	
10837.00	91.040	269.080	7260.37	3032.84	125.16	-3033.62	40°11'41.143"N	104°58'22.724"W	0.68	
10923.00	88.790	267.360	7260.50	3118.81	122.49	-3119.57	40°11'41.116"N	104°58'23.832"W	3.29	
11008.00	89.410	267.730	7261.84	3203.74	118.85	-3204.48	40°11'41.080"N	104°58'24.926"W	0.85	
11093.00	90.240	268.330	7262.10	3288.70	115.93	-3289.43	40°11'41.051"N	104°58'26.021"W	1.20	
11178.00	90.920	268.990	7261.24	3373.68	113.94	-3374.40	40°11'41.032"N	104°58'27.116"W	1.11	
11263.00	91.260	269.190	7259.62	3458.66	112.59	-3459.38	40°11'41.018"N	104°58'28.211"W	0.46	
11348.00	91.290	270.680	7257.73	3543.64	112.49	-3544.35	40°11'41.017"N	104°58'29.306"W	1.75	
11434.00	91.300	270.650	7255.78	3629.60	113.49	-3630.33	40°11'41.027"N	104°58'30.414"W	0.04	
11519.00	91.410	270.650	7253.77	3714.57	114.45	-3715.30	40°11'41.036"N	104°58'31.508"W	0.13	
11604.00	89.930	270.930	7252.78	3799.54	115.63	-3800.28	40°11'41.048"N	104°58'32.604"W	1.77	
11689.00	89.530	270.690	7253.18	3884.53	116.83	-3885.27	40°11'41.059"N	104°58'33.699"W	0.55	
11774.00	89.500	270.870	7253.90	3969.51	117.99	-3970.26	40°11'41.071"N	104°58'34.794"W	0.21	
11859.00	89.350	271.020	7254.75	4054.48	119.39	-4055.24	40°11'41.084"N	104°58'35.889"W	0.25	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#33 DOUTHIT 9C-27HZ (1688'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 9C-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 9C-27HZ AWB
Facility	SEC.26-T3N-R68W		

WELLPATH DATA (148 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11946.00	89.630	270.620	7255.53	4141.46	120.63	-4142.23	40°11'41.097"N	104°58'37.010"W	0.56	
12031.00	90.580	271.690	7255.37	4226.43	122.35	-4227.21	40°11'41.113"N	104°58'38.105"W	1.68	
12115.00	90.120	271.270	7254.86	4310.38	124.51	-4311.18	40°11'41.135"N	104°58'39.187"W	0.74	
12200.00	90.730	270.180	7254.23	4395.37	125.59	-4396.17	40°11'41.145"N	104°58'40.282"W	1.47	
12286.00	90.800	270.130	7253.08	4481.35	125.82	-4482.16	40°11'41.147"N	104°58'41.391"W	0.10	
12370.00	90.610	270.390	7252.05	4565.34	126.20	-4566.15	40°11'41.151"N	104°58'42.473"W	0.38	
12458.00	89.480	269.280	7251.98	4653.34	125.95	-4654.15	40°11'41.148"N	104°58'43.607"W	1.80	
12543.00	89.810	269.770	7252.50	4738.34	125.25	-4739.15	40°11'41.141"N	104°58'44.702"W	0.70	
12628.00	90.670	269.990	7252.15	4823.34	125.07	-4824.14	40°11'41.139"N	104°58'45.797"W	1.04	
12713.00	90.430	269.500	7251.33	4908.33	124.69	-4909.14	40°11'41.135"N	104°58'46.893"W	0.64	
12798.00	91.610	269.660	7249.82	4993.32	124.07	-4994.12	40°11'41.129"N	104°58'47.988"W	1.40	
12901.00	91.420	270.140	7247.09	5096.28	123.89	-5097.09	40°11'41.127"N	104°58'49.315"W	0.50	Last BHI MWD+IFR Surveys
12968.00	91.420	270.140	7245.43	5163.26	124.05	-5164.07	40°11'41.129"N	104°58'50.178"W	0.00	Projection to Bit

HOLE & CASING SECTIONS - Ref Wellbore: DOUTHIT 9C-27HZ AWB Ref Wellpath: DOUTHIT 9C-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	1259.00	1243.00	16.00	1258.98	0.00	0.00	-3.88	2.45	
9.625in Casing Surface	16.00	1249.00	1233.00	16.00	1248.98	0.00	0.00	-3.89	2.48	
8.75in Open Hole	1259.00	7642.00	6383.00	1258.98	7262.07	-3.88	2.45	148.12	160.84	
7in Casing Intermediate	16.00	7632.00	7616.00	16.00	7261.18	0.00	0.00	148.57	170.79	
6.125in Open Hole	7642.00	12968.00	5326.00	7262.07	7245.43	148.12	160.84	124.05	-5164.07	

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#33 DOUTHIT 9C-27HZ (1688'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 9C-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 9C-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	2122.45	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	2122.45	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	2122.45	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	2122.45	141.92	3150387.54	1316248.25	40°12'00.882"N	104°57'41.803"W	polygon
DOUTHIT 9C-27HZ BHL (1840'FSL & 300'FEL, SEC.27) REV-2		7255.00	120.71	-5189.21	3145068.88	1314214.30	40°11'41.095"N	104°58'50.502"W	point
DOUTHIT 9C-27HZ BHL ON PLAT (1890'FSL & 300'FEL, SEC.27) REV-1		7255.00	170.71	-5189.21	3145068.58	1314264.30	40°11'41.590"N	104°58'50.502"W	point
DOUTHIT 9C-27HZ LAND BOX		7256.00	0.00	0.00	3150258.50	1314125.07	40°11'39.908"N	104°57'43.632"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: DOUTHIT 9C-27HZ AWB Ref Wellpath: DOUTHIT 9C-27HZ AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	1206.00	Generic gyro - continuous (Standard)	MS ENERGY GYRO SURVEYS 13 1/2" <116-1206>	DOUTHIT 9C-27HZ AWB
1206.00	7586.00	NaviTrak (IFR)	BHI MWD+IFR SURVEYS 8 3/4" HOLE <1308-7586>	DOUTHIT 9C-27HZ AWB
7586.00	12901.00	NaviTrak (IFR)	BHI MWD+IFR SURVEYS 6 1/8" HOLE <7688-12901>	DOUTHIT 9C-27HZ AWB
12901.00	12968.00	Blind Drilling (std)	Projection to bit	DOUTHIT 9C-27HZ AWB

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR-MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#33 DOUTHIT 9C-27HZ (1688'FSL & 416'FEL, SEC.26)
Area	COLORADO	Well	DOUTHIT 9C-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 9C-27HZ AWB
Facility	SEC.26-T3N-R68W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
16.00	0.000	170.540	16.00	Tie-On
116.00	0.590	170.540	116.00	Begin GYRO Surveys
1206.00	0.140	52.770	1205.98	Tie-Into GYRO Surveys
1308.00	0.530	265.210	1307.98	Begin BHI MWD+IFR Surveys
7632.00	84.533	267.359	7261.18	7" Casing Point
12901.00	91.420	270.140	7247.09	Last BHI MWD+IFR Surveys
12968.00	91.420	270.140	7245.43	Projection to Bit