



# Planned Wellpath Report

DOUTHIT 9C-27HZ (REV-A.0) PWP

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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 PWB
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	15/Sep/2014 at 13:05
Convergence at slot	n/a	Database/Source file	WellArchitectDB/DOUTHIT_9C-27HZ_PWB.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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Area	COLORADO	Well	DOUTHIT 9C-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 9C-27HZ PWB
Facility	SEC.26-T3N-R68W		

## WELLPATH DATA (146 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	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	
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	
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	
1039.02†	0.144	74.477	1039.00	-2.05	-4.27	2.08	40°11'39.866"N	104°57'43.605"W	0.18	Fox Hills Base
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
1306.00†	0.140	52.770	1305.98	-2.67	-3.78	2.70	40°11'39.871"N	104°57'43.597"W	0.00	
1375.02	0.140	52.770	1375.00	-2.81	-3.68	2.83	40°11'39.872"N	104°57'43.596"W	0.00	BEGIN NUDGE
1406.00†	0.749	73.128	1405.98	-3.03	-3.60	3.05	40°11'39.872"N	104°57'43.593"W	2.00	
1506.00†	2.747	76.409	1505.93	-5.99	-2.84	6.01	40°11'39.880"N	104°57'43.555"W	2.00	
1606.00†	4.747	76.927	1605.71	-12.36	-1.35	12.37	40°11'39.895"N	104°57'43.473"W	2.00	
1706.00†	6.747	77.138	1705.20	-22.13	0.90	22.13	40°11'39.917"N	104°57'43.347"W	2.00	
1806.00†	8.747	77.253	1804.29	-35.29	3.88	35.27	40°11'39.946"N	104°57'43.177"W	2.00	
1906.00†	10.747	77.326	1902.84	-51.83	7.61	51.79	40°11'39.983"N	104°57'42.965"W	2.00	
2006.00†	12.747	77.376	2000.74	-71.72	12.06	71.65	40°11'40.027"N	104°57'42.709"W	2.00	
2068.66	14.000	77.400	2061.70	-85.88	15.23	85.79	40°11'40.058"N	104°57'42.526"W	2.00	END NDUGE
2106.00†	14.000	77.400	2097.93	-94.71	17.20	94.61	40°11'40.078"N	104°57'42.413"W	0.00	
2206.00†	14.000	77.400	2194.96	-118.35	22.48	118.22	40°11'40.130"N	104°57'42.109"W	0.00	
2306.00†	14.000	77.400	2291.99	-141.99	27.75	141.83	40°11'40.182"N	104°57'41.804"W	0.00	
2406.00†	14.000	77.400	2389.02	-165.63	33.03	165.44	40°11'40.234"N	104°57'41.500"W	0.00	
2506.00†	14.000	77.400	2486.05	-189.27	38.31	189.05	40°11'40.287"N	104°57'41.196"W	0.00	
2606.00†	14.000	77.400	2583.08	-212.91	43.59	212.66	40°11'40.339"N	104°57'40.892"W	0.00	
2706.00†	14.000	77.400	2680.11	-236.55	48.86	236.27	40°11'40.391"N	104°57'40.587"W	0.00	
2806.00†	14.000	77.400	2777.14	-260.19	54.14	259.88	40°11'40.443"N	104°57'40.283"W	0.00	
2906.00†	14.000	77.400	2874.16	-283.83	59.42	283.49	40°11'40.495"N	104°57'39.979"W	0.00	
3006.00†	14.000	77.400	2971.19	-307.47	64.70	307.09	40°11'40.547"N	104°57'39.675"W	0.00	
3106.00†	14.000	77.400	3068.22	-331.11	69.97	330.70	40°11'40.599"N	104°57'39.370"W	0.00	
3206.00†	14.000	77.400	3165.25	-354.75	75.25	354.31	40°11'40.652"N	104°57'39.066"W	0.00	
3306.00†	14.000	77.400	3262.28	-378.38	80.53	377.92	40°11'40.704"N	104°57'38.762"W	0.00	
3406.00†	14.000	77.400	3359.31	-402.02	85.81	401.53	40°11'40.756"N	104°57'38.458"W	0.00	
3506.00†	14.000	77.400	3456.34	-425.66	91.08	425.14	40°11'40.808"N	104°57'38.153"W	0.00	
3606.00†	14.000	77.400	3553.37	-449.30	96.36	448.75	40°11'40.860"N	104°57'37.849"W	0.00	
3706.00†	14.000	77.400	3650.40	-472.94	101.64	472.36	40°11'40.912"N	104°57'37.545"W	0.00	
3757.12†	14.000	77.400	3700.00	-485.03	104.34	484.43	40°11'40.939"N	104°57'37.389"W	0.00	Parkman
3806.00†	14.000	77.400	3747.43	-496.58	106.91	495.97	40°11'40.964"N	104°57'37.241"W	0.00	
3906.00†	14.000	77.400	3844.46	-520.22	112.19	519.58	40°11'41.017"N	104°57'36.937"W	0.00	

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Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 9C-27HZ PWB
Facility	SEC.26-T3N-R68W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4006.00†	14.000	77.400	3941.49	-543.86	117.47	543.19	40°11'41.069"N	104°57'36.632"W	0.00	
4106.00†	14.000	77.400	4038.52	-567.50	122.75	566.80	40°11'41.121"N	104°57'36.328"W	0.00	
4179.67†	14.000	77.400	4110.00	-584.92	126.63	584.19	40°11'41.159"N	104°57'36.104"W	0.00	Sussex
4206.00†	14.000	77.400	4135.55	-591.14	128.02	590.41	40°11'41.173"N	104°57'36.024"W	0.00	
4306.00†	14.000	77.400	4232.58	-614.78	133.30	614.02	40°11'41.225"N	104°57'35.720"W	0.00	
4365.18	14.000	77.400	4290.00	-628.77	136.42	627.99	40°11'41.256"N	104°57'35.540"W	0.00	BEGIN DROP
4406.00†	13.184	77.400	4329.68	-638.15	138.52	637.35	40°11'41.277"N	104°57'35.419"W	2.00	
4506.00†	11.184	77.400	4427.42	-658.77	143.12	657.95	40°11'41.322"N	104°57'35.153"W	2.00	
4606.00†	9.184	77.400	4525.84	-676.04	146.98	675.20	40°11'41.360"N	104°57'34.931"W	2.00	
4706.00†	7.184	77.400	4624.82	-689.95	150.08	689.09	40°11'41.391"N	104°57'34.752"W	2.00	
4806.00†	5.184	77.400	4724.23	-700.48	152.43	699.60	40°11'41.414"N	104°57'34.617"W	2.00	
4906.00†	3.184	77.400	4823.96	-707.61	154.02	706.72	40°11'41.430"N	104°57'34.525"W	2.00	
5006.00†	1.184	77.400	4923.88	-711.33	154.85	710.44	40°11'41.438"N	104°57'34.477"W	2.00	
5065.18	0.000	269.667	4983.06	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	2.00	END DROP
5106.00†	0.000	269.667	5023.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5206.00†	0.000	269.667	5123.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5306.00†	0.000	269.667	5223.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5406.00†	0.000	269.667	5323.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5506.00†	0.000	269.667	5423.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5606.00†	0.000	269.667	5523.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5706.00†	0.000	269.667	5623.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5806.00†	0.000	269.667	5723.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
5906.00†	0.000	269.667	5823.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6006.00†	0.000	269.667	5923.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6106.00†	0.000	269.667	6023.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6206.00†	0.000	269.667	6123.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6306.00†	0.000	269.667	6223.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6406.00†	0.000	269.667	6323.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6506.00†	0.000	269.667	6423.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6606.00†	0.000	269.667	6523.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6706.00†	0.000	269.667	6623.88	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	
6782.17	0.000	269.667	6700.05	-711.93	154.99	711.04	40°11'41.439"N	104°57'34.469"W	0.00	KOP, BUILD @ 10°/100'
6806.00†	2.383	269.667	6723.87	-711.43	154.99	710.54	40°11'41.439"N	104°57'34.476"W	10.00	
6906.00†	12.383	269.667	6822.91	-698.60	154.91	697.71	40°11'41.439"N	104°57'34.641"W	10.00	
7006.00†	22.383	269.667	6918.23	-668.76	154.74	667.87	40°11'41.437"N	104°57'35.026"W	10.00	
7016.61†	23.444	269.667	6928.00	-664.63	154.71	663.74	40°11'41.437"N	104°57'35.079"W	10.00	SSPG
7106.00†	32.383	269.667	7006.91	-622.82	154.47	621.94	40°11'41.434"N	104°57'35.618"W	10.00	
7107.29†	32.512	269.667	7008.00	-622.13	154.47	621.24	40°11'41.434"N	104°57'35.626"W	10.00	NBRR
7175.24†	39.307	269.667	7063.00	-582.30	154.24	581.42	40°11'41.432"N	104°57'36.140"W	10.00	N470_B_CK
7206.00†	42.383	269.667	7086.27	-562.19	154.12	561.30	40°11'41.431"N	104°57'36.399"W	10.00	
7249.13†	46.696	269.667	7117.00	-531.94	153.94	531.06	40°11'41.429"N	104°57'36.789"W	10.00	N700_C_CK
7306.00†	52.383	269.667	7153.89	-488.69	153.69	487.81	40°11'41.427"N	104°57'37.346"W	10.00	
7406.00†	62.383	269.667	7207.72	-404.57	153.20	403.68	40°11'41.422"N	104°57'38.430"W	10.00	
7506.00†	72.383	269.667	7246.13	-312.38	152.67	311.49	40°11'41.417"N	104°57'39.618"W	10.00	
7606.00†	82.383	269.667	7267.95	-214.91	152.10	214.03	40°11'41.411"N	104°57'40.874"W	10.00	

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Area	COLORADO	Well	DOUTHIT 9C-27HZ
Field	WELD COUNTY (KERR MCGEE)	Wellbore	DOUTHIT 9C-27HZ PWB
Facility	SEC.26-T3N-R68W		

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MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7684.11	90.194	269.667	7273.00	-137.03	151.65	136.15	40°11'41.407"N	104°57'41.877"W	10.00	LANDING POINT
7706.00†	90.194	269.667	7272.93	-115.14	151.52	114.26	40°11'41.405"N	104°57'42.160"W	0.00	
7806.00†	90.194	269.667	7272.59	-15.14	150.94	14.26	40°11'41.400"N	104°57'43.448"W	0.00	
7906.00†	90.194	269.667	7272.25	84.86	150.36	-85.74	40°11'41.394"N	104°57'44.737"W	0.00	
8006.00†	90.194	269.667	7271.91	184.86	149.78	-185.73	40°11'41.388"N	104°57'46.025"W	0.00	
8106.00†	90.194	269.667	7271.57	284.86	149.20	-285.73	40°11'41.382"N	104°57'47.314"W	0.00	
8206.00†	90.194	269.667	7271.24	384.86	148.62	-385.73	40°11'41.377"N	104°57'48.603"W	0.00	
8306.00†	90.194	269.667	7270.90	484.86	148.04	-485.73	40°11'41.371"N	104°57'49.891"W	0.00	
8406.00†	90.194	269.667	7270.56	584.86	147.45	-585.72	40°11'41.365"N	104°57'51.180"W	0.00	
8506.00†	90.194	269.667	7270.22	684.86	146.87	-685.72	40°11'41.359"N	104°57'52.468"W	0.00	
8606.00†	90.194	269.667	7269.88	784.86	146.29	-785.72	40°11'41.354"N	104°57'53.757"W	0.00	
8706.00†	90.194	269.667	7269.55	884.86	145.71	-885.72	40°11'41.348"N	104°57'55.046"W	0.00	
8806.00†	90.194	269.667	7269.21	984.86	145.13	-985.72	40°11'41.342"N	104°57'56.334"W	0.00	
8906.00†	90.194	269.667	7268.87	1084.85	144.55	-1085.71	40°11'41.336"N	104°57'57.623"W	0.00	
9006.00†	90.194	269.667	7268.53	1184.85	143.97	-1185.71	40°11'41.330"N	104°57'58.911"W	0.00	
9106.00†	90.194	269.667	7268.19	1284.85	143.39	-1285.71	40°11'41.325"N	104°58'00.200"W	0.00	
9206.00†	90.194	269.667	7267.86	1384.85	142.81	-1385.71	40°11'41.319"N	104°58'01.489"W	0.00	
9306.00†	90.194	269.667	7267.52	1484.85	142.23	-1485.70	40°11'41.313"N	104°58'02.777"W	0.00	
9406.00†	90.194	269.667	7267.18	1584.85	141.64	-1585.70	40°11'41.307"N	104°58'04.066"W	0.00	
9506.00†	90.194	269.667	7266.84	1684.85	141.06	-1685.70	40°11'41.301"N	104°58'05.354"W	0.00	
9606.00†	90.194	269.667	7266.50	1784.85	140.48	-1785.70	40°11'41.296"N	104°58'06.643"W	0.00	
9706.00†	90.194	269.667	7266.17	1884.85	139.90	-1885.70	40°11'41.290"N	104°58'07.932"W	0.00	
9806.00†	90.194	269.667	7265.83	1984.85	139.32	-1985.69	40°11'41.284"N	104°58'09.220"W	0.00	
9906.00†	90.194	269.667	7265.49	2084.85	138.74	-2085.69	40°11'41.278"N	104°58'10.509"W	0.00	
10006.00†	90.194	269.667	7265.15	2184.85	138.16	-2185.69	40°11'41.272"N	104°58'11.797"W	0.00	
10106.00†	90.194	269.667	7264.81	2284.85	137.58	-2285.69	40°11'41.267"N	104°58'13.086"W	0.00	
10206.00†	90.194	269.667	7264.48	2384.85	137.00	-2385.68	40°11'41.261"N	104°58'14.375"W	0.00	
10306.00†	90.194	269.667	7264.14	2484.85	136.42	-2485.68	40°11'41.255"N	104°58'15.663"W	0.00	
10406.00†	90.194	269.667	7263.80	2584.85	135.84	-2585.68	40°11'41.249"N	104°58'16.952"W	0.00	
10506.00†	90.194	269.667	7263.46	2684.85	135.25	-2685.68	40°11'41.243"N	104°58'18.241"W	0.00	
10606.00†	90.194	269.667	7263.12	2784.85	134.67	-2785.67	40°11'41.237"N	104°58'19.529"W	0.00	
10706.00†	90.194	269.667	7262.79	2884.84	134.09	-2885.67	40°11'41.231"N	104°58'20.818"W	0.00	
10806.00†	90.194	269.667	7262.45	2984.84	133.51	-2985.67	40°11'41.226"N	104°58'22.106"W	0.00	
10906.00†	90.194	269.667	7262.11	3084.84	132.93	-3085.67	40°11'41.220"N	104°58'23.395"W	0.00	
11006.00†	90.194	269.667	7261.77	3184.84	132.35	-3185.67	40°11'41.214"N	104°58'24.684"W	0.00	
11106.00†	90.194	269.667	7261.43	3284.84	131.77	-3285.66	40°11'41.208"N	104°58'25.972"W	0.00	
11206.00†	90.194	269.667	7261.10	3384.84	131.19	-3385.66	40°11'41.202"N	104°58'27.261"W	0.00	
11306.00†	90.194	269.667	7260.76	3484.84	130.61	-3485.66	40°11'41.196"N	104°58'28.549"W	0.00	
11406.00†	90.194	269.667	7260.42	3584.84	130.03	-3585.66	40°11'41.190"N	104°58'29.838"W	0.00	
11506.00†	90.194	269.667	7260.08	3684.84	129.45	-3685.65	40°11'41.184"N	104°58'31.127"W	0.00	
11606.00†	90.194	269.667	7259.74	3784.84	128.86	-3785.65	40°11'41.179"N	104°58'32.415"W	0.00	
11706.00†	90.194	269.667	7259.41	3884.84	128.28	-3885.65	40°11'41.173"N	104°58'33.704"W	0.00	
11806.00†	90.194	269.667	7259.07	3984.84	127.70	-3985.65	40°11'41.167"N	104°58'34.992"W	0.00	
11906.00†	90.194	269.667	7258.73	4084.84	127.12	-4085.65	40°11'41.161"N	104°58'36.281"W	0.00	
12006.00†	90.194	269.667	7258.39	4184.84	126.54	-4185.64	40°11'41.155"N	104°58'37.570"W	0.00	

# Planned Wellpath Report

DOUTHIT 9C-27HZ (REV-A.0) PWP

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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 PWB
Facility	SEC.26-T3N-R68W		

WELLPATH DATA (146 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
12106.00†	90.194	269.667	7258.05	4284.84	125.96	-4285.64	40°11'41.149"N	104°58'38.858"W	0.00	
12206.00†	90.194	269.667	7257.72	4384.84	125.38	-4385.64	40°11'41.143"N	104°58'40.147"W	0.00	
12306.00†	90.194	269.667	7257.38	4484.84	124.80	-4485.64	40°11'41.137"N	104°58'41.435"W	0.00	
12406.00†	90.194	269.667	7257.04	4584.83	124.22	-4585.63	40°11'41.131"N	104°58'42.724"W	0.00	
12506.00†	90.194	269.667	7256.70	4684.83	123.64	-4685.63	40°11'41.125"N	104°58'44.013"W	0.00	
12606.00†	90.194	269.667	7256.36	4784.83	123.05	-4785.63	40°11'41.119"N	104°58'45.301"W	0.00	
12706.00†	90.194	269.667	7256.03	4884.83	122.47	-4885.63	40°11'41.114"N	104°58'46.590"W	0.00	
12806.00†	90.194	269.667	7255.69	4984.83	121.89	-4985.63	40°11'41.108"N	104°58'47.878"W	0.00	
12906.00†	90.194	269.667	7255.35	5084.83	121.31	-5085.62	40°11'41.102"N	104°58'49.167"W	0.00	
13006.00†	90.194	269.667	7255.01	5184.83	120.73	-5185.62	40°11'41.096"N	104°58'50.456"W	0.00	
13009.59	90.194	269.667	7255.00 <sup>1</sup>	5188.42	120.71	-5189.21	40°11'41.095"N	104°58'50.502"W	0.00	TOTAL DEPTH

HOLE & CASING SECTIONS - Ref Wellbore: DOUTHIT 9C-27HZ PWB Ref Wellpath: DOUTHIT 9C-27HZ (REV-A.0) PWP									
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	1206.00	1190.00	16.00	1205.98	0.00	0.00	-3.93	2.50
13.5in Open Hole	1206.00	1259.00	53.00	1205.98	1258.98	-3.93	2.50	-3.85	2.60
9.625in Casing Surface	16.00	1249.00	1233.00	16.00	1248.98	0.00	0.00	-3.87	2.58
8.75in Open Hole	1259.00	7684.11	6425.11	1258.98	7273.00	-3.85	2.60	151.65	136.15
7in Casing Intermediate	16.00	7684.11	7668.11	16.00	7273.00	0.00	0.00	151.65	136.15
6.125in Open Hole	7684.11	13009.59	5325.48	7273.00	7255.00	151.65	136.15	120.71	-5189.21
4.5in Casing Production	16.00	13009.59	12993.59	16.00	7255.00	0.00	0.00	120.71	-5189.21



# Planned Wellpath Report

DOUTHIT 9C-27HZ (REV-A.0) PWP

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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 PWB
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
1) DOUTHIT 9C-27HZ BHL (1840'FSL & 300'FEL, SEC.26) REV-2	13009.59	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.26) 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

SURVEY PROGRAM - Ref Wellbore: DOUTHIT 9C-27HZ PWB Ref Wellpath: DOUTHIT 9C-27HZ (REV-A.0) PWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	1206.00	Generic gyro - continuous (Standard)		DOUTHIT 9C-27HZ AWB
1206.00	7864.11	NaviTrak (IFR)		DOUTHIT 9C-27HZ PWB
7864.11	13009.59	NaviTrak (IFR)		DOUTHIT 9C-27HZ PWB

# Planned Wellpath Report

DOUTHIT 9C-27HZ (REV-A.0) PWP

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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 PWB
Facility	SEC.26-T3N-R68W		

WELLPATH COMMENTS					
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment	
1039.02	0.144	74.477	1039.00	Fox Hills Base	
3757.12	14.000	77.400	3700.00	Parkman	
4179.67	14.000	77.400	4110.00	Sussex	
7016.61	23.444	269.667	6928.00	SSPG	
7107.29	32.512	269.667	7008.00	NBRR	
7175.24	39.307	269.667	7063.00	N470_B_CK	
7249.13	46.696	269.667	7117.00	N700_C_CK	

DESIGN COMMENTS					
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment	
1206.00	0.140	52.770	1205.98	TIE-INTO GYRO SURVEYS	
1375.02	0.140	52.770	1375.00	BEGIN NUDGE	
2068.66	14.000	77.400	2061.70	END NDUGE	
4365.18	14.000	77.400	4290.00	BEGIN DROP	
5065.18	0.000	269.667	4983.06	END DROP	
6782.17	0.000	269.667	6700.05	KOP, BUILD @ 10°/100'	
7684.11	90.194	269.667	7273.00	LANDING POINT	
13009.59	90.194	269.667	7255.00	TOTAL DEPTH	