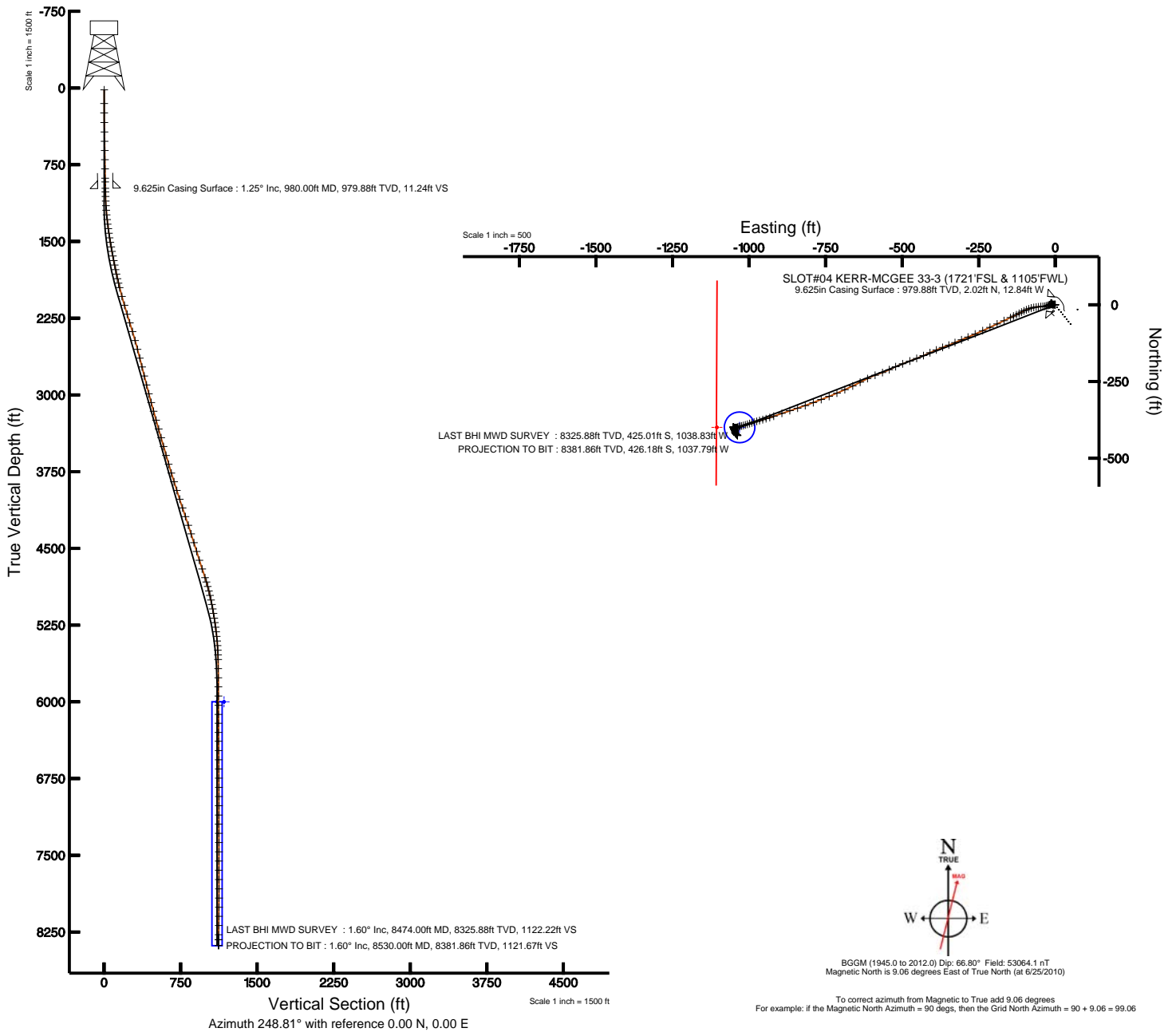


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#04 KERR-MCGEE 33-3 (1721'FSL & 1105'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: KERR-MCGEE 33-3
 Facility: SEC.03-T1N-R68W Wellbore: KERR-MCGEE 33-3 PWB



Plot reference wellpath is KERR-MCGEE 33-3 (REV-B.0) PWP	
True vertical depths are referenced to XTREME 8 (RT)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 8 (RT)	North Reference: True north
XTREME 8 (RT) to Mean Sea Level: 5059 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.03-T1N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdam on 7/27/2010





Actual Wellpath Report

KERR-MCGEE 33-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 KERR-MCGEE 33-3 (1721'FSL & 1105'FWL)
Area	COLORADO	Well	KERR-MCGEE 33-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 33-3 AWB
Facility	SEC.03-T1N-R68W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet	Software System	WellArchitect@ 2.0
North Reference	True	User	Cookdanm
Scale	0.999961	Report Generated	7/27/2010 at 5:23:45 PM
Convergence at slot	0.33° East	Database/Source file	Denver Server/KERR-MCGEE_33-3_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	15.30	-73.04	3141318.02	1271572.38	40°04'39.907"N	104°59'41.968"W
Facility Reference Pt			3141391.14	1271557.49	40°04'39.756"N	104°59'41.028"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 8 (RT) to Facility Vertical Datum	5059.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RT) to Mean Sea Level	5059.00ft
Vertical Reference Pt	XTREME 8 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 8 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	248.81°



Actual Wellpath Report

KERR-MCGEE 33-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 KERR-MCGEE 33-3 (1721'FSL & 1105'FWL)
Area	COLORADO	Well	KERR-MCGEE 33-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 33-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (117 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	14.700	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	14.700	17.00	0.00	0.00	0.00	0.00	
150.00	0.400	14.700	150.00	-0.27	0.45	0.12	0.30	
243.00	0.300	302.300	243.00	-0.32	0.89	-0.01	0.45	
336.00	1.100	267.100	335.99	0.67	0.98	-1.10	0.94	
429.00	1.200	268.500	428.97	2.44	0.91	-2.97	0.11	
520.00	1.100	267.800	519.95	4.16	0.85	-4.79	0.11	
610.00	1.100	264.000	609.94	5.81	0.73	-6.52	0.08	
700.00	1.000	285.100	699.92	7.28	0.84	-8.13	0.44	
790.00	0.900	289.000	789.91	8.45	1.27	-9.56	0.13	
881.00	1.000	296.000	880.90	9.54	1.86	-10.95	0.17	
917.00	1.100	280.500	916.89	10.05	2.06	-11.57	0.83	
1015.00	1.400	247.800	1014.87	12.04	1.78	-13.60	0.78	
1059.00	1.900	245.300	1058.85	13.31	1.27	-14.77	1.15	
1104.00	2.600	254.500	1103.82	15.07	0.68	-16.43	1.75	
1150.00	3.300	245.300	1149.75	17.43	-0.15	-18.63	1.83	
1195.00	4.300	249.900	1194.66	20.41	-1.27	-21.40	2.32	
1240.00	5.400	251.700	1239.49	24.21	-2.52	-24.99	2.47	
1286.00	6.000	256.600	1285.27	28.75	-3.75	-29.38	1.68	
1331.00	7.300	261.100	1329.96	33.88	-4.74	-34.50	3.11	
1376.00	8.000	266.100	1374.56	39.66	-5.39	-40.45	2.15	
1421.00	9.000	266.400	1419.07	46.01	-5.83	-47.08	2.22	
1466.00	9.600	265.000	1463.48	52.97	-6.38	-54.33	1.42	
1511.00	10.200	263.300	1507.81	60.43	-7.17	-62.03	1.48	
1556.00	10.600	258.700	1552.07	68.36	-8.44	-70.05	2.05	
1601.00	10.600	254.100	1596.30	76.56	-10.39	-78.08	1.88	
1647.00	11.100	250.600	1641.48	85.20	-13.02	-86.33	1.80	
1692.00	10.800	245.700	1685.66	93.74	-16.19	-94.26	2.17	
1737.00	11.000	244.300	1729.85	102.23	-19.79	-101.97	0.74	
1783.00	11.300	243.200	1774.98	111.09	-23.73	-109.95	0.80	
1828.00	11.900	242.500	1819.06	120.09	-27.86	-118.00	1.37	
1873.00	12.700	243.600	1863.03	129.63	-32.20	-126.54	1.85	
1919.00	13.700	246.000	1907.81	140.10	-36.66	-136.05	2.48	
1964.00	14.500	243.200	1951.46	151.03	-41.37	-145.95	2.34	
2053.00	15.900	244.600	2037.34	174.28	-51.62	-166.91	1.63	
2143.00	16.400	245.300	2123.79	199.26	-62.22	-189.59	0.60	
2234.00	16.400	243.600	2211.09	224.87	-73.30	-212.76	0.53	
2323.00	17.800	246.400	2296.15	250.98	-84.33	-236.48	1.82	
2412.00	17.300	246.400	2381.01	277.79	-95.08	-261.08	0.56	
2503.00	15.200	247.100	2468.37	303.24	-105.14	-284.47	2.32	
2592.00	15.100	247.800	2554.28	326.49	-114.06	-305.95	0.23	
2681.00	14.700	246.000	2640.28	349.36	-123.03	-327.00	0.69	
2770.00	13.600	249.200	2726.58	371.10	-131.34	-347.10	1.52	
2861.00	14.100	249.900	2814.94	392.88	-138.95	-367.51	0.58	
2951.00	14.400	246.400	2902.17	415.03	-147.20	-388.06	1.01	



Actual Wellpath Report

KERR-MCGEE 33-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 KERR-MCGEE 33-3 (1721'FSL & 1105'FWL)
Area	COLORADO	Well	KERR-MCGEE 33-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 33-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (117 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3040.00	15.000	247.100	2988.26	437.60	-156.11	-408.81	0.70	
3129.00	15.600	245.700	3074.10	461.06	-165.52	-430.33	0.79	
3218.00	15.200	248.500	3159.91	484.67	-174.72	-452.09	0.95	
3308.00	15.900	249.900	3246.61	508.80	-183.28	-474.64	0.88	
3398.00	16.600	248.100	3333.02	533.98	-192.31	-498.15	0.96	
3487.00	15.600	246.700	3418.53	558.65	-201.78	-520.94	1.21	
3576.00	14.600	243.200	3504.45	581.78	-211.58	-541.94	1.52	
3666.00	16.500	250.600	3591.16	605.84	-220.94	-564.13	3.05	
3756.00	16.800	249.900	3677.39	631.62	-229.65	-588.39	0.40	
3847.00	17.600	243.200	3764.33	658.47	-240.38	-613.03	2.35	
3936.00	17.200	243.600	3849.26	684.96	-252.29	-636.82	0.47	
4025.00	18.600	243.600	3933.95	712.20	-264.46	-661.33	1.57	
4115.00	18.200	245.000	4019.34	740.52	-276.78	-686.92	0.66	
4205.00	18.200	248.100	4104.84	768.60	-287.96	-712.70	1.08	
4294.00	18.300	247.400	4189.37	796.46	-298.51	-738.50	0.27	
4383.00	18.200	249.200	4273.89	824.33	-308.82	-764.39	0.64	
4472.00	18.100	248.100	4358.46	852.05	-318.91	-790.21	0.40	
4562.00	17.800	250.600	4444.08	879.78	-328.70	-816.16	0.92	
4652.00	16.700	252.700	4530.03	906.44	-337.11	-841.48	1.40	
4742.00	17.400	252.400	4616.08	932.77	-345.03	-866.65	0.78	
4832.00	18.300	250.200	4701.75	960.33	-353.88	-892.77	1.25	
4921.00	18.300	251.300	4786.25	988.25	-363.09	-919.16	0.39	
4966.00	17.100	251.700	4829.11	1001.92	-367.44	-932.13	2.68	
5011.00	15.600	253.800	4872.29	1014.56	-371.20	-944.22	3.58	
5056.00	14.200	253.800	4915.78	1026.08	-374.43	-955.33	3.11	
5101.00	13.000	254.100	4959.52	1036.62	-377.36	-965.50	2.67	
5147.00	11.800	253.400	5004.44	1046.46	-380.12	-974.99	2.63	
5192.00	11.000	253.800	5048.56	1055.33	-382.63	-983.52	1.79	
5236.00	10.000	252.000	5091.82	1063.32	-384.98	-991.18	2.39	
5281.00	9.100	250.900	5136.19	1070.78	-387.35	-998.26	2.04	
5327.00	9.100	252.400	5181.61	1078.05	-389.64	-1005.17	0.52	
5372.00	8.800	252.400	5226.07	1085.03	-391.76	-1011.84	0.67	
5417.00	8.000	255.500	5270.58	1091.58	-393.59	-1018.15	2.04	
5462.00	6.900	256.600	5315.20	1097.37	-395.00	-1023.81	2.46	
5508.00	6.300	255.500	5360.90	1102.61	-396.27	-1028.94	1.33	
5553.00	5.300	253.400	5405.67	1107.14	-397.48	-1033.33	2.27	
5598.00	4.300	247.800	5450.51	1110.89	-398.71	-1036.88	2.45	
5643.00	2.900	236.500	5495.42	1113.69	-399.98	-1039.39	3.47	
5689.00	1.800	237.900	5541.38	1115.54	-401.00	-1040.97	2.39	
5734.00	1.000	224.600	5586.37	1116.59	-401.66	-1041.85	1.91	
5823.00	0.500	259.000	5675.36	1117.68	-402.29	-1042.78	0.73	
5913.00	0.500	259.000	5765.36	1118.45	-402.44	-1043.55	0.00	
6002.00	0.400	268.500	5854.35	1119.13	-402.52	-1044.24	0.14	
6092.00	0.500	296.300	5944.35	1119.69	-402.35	-1044.90	0.26	
6181.00	0.700	311.100	6033.35	1120.21	-401.82	-1045.66	0.28	



Actual Wellpath Report

KERR-MCGEE 33-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 KERR-MCGEE 33-3 (1721'FSL & 1105'FWL)
Area	COLORADO	Well	KERR-MCGEE 33-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 33-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (117 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6271.00	0.700	331.100	6123.34	1120.54	-400.98	-1046.34	0.27	
6358.00	0.300	238.600	6210.34	1120.83	-400.63	-1046.79	0.89	
6447.00	0.500	214.400	6299.33	1121.38	-401.08	-1047.21	0.29	
6534.00	0.400	228.100	6386.33	1121.98	-401.59	-1047.65	0.17	
6624.00	0.500	275.600	6476.33	1122.62	-401.76	-1048.28	0.42	
6715.00	0.500	290.000	6567.33	1123.28	-401.59	-1049.05	0.14	
6805.00	0.700	312.500	6657.32	1123.81	-401.08	-1049.82	0.34	
6894.00	0.200	249.500	6746.32	1124.21	-400.77	-1050.37	0.71	
6984.00	1.100	304.000	6836.31	1124.86	-400.34	-1051.23	1.11	
7074.00	1.400	355.000	6926.29	1125.05	-398.76	-1052.04	1.23	
7164.00	1.000	128.300	7016.28	1124.34	-398.16	-1051.52	2.45	
7255.00	1.700	133.900	7107.26	1123.37	-399.58	-1049.92	0.78	
7344.00	1.500	166.200	7196.23	1122.96	-401.63	-1048.70	1.02	
7434.00	1.600	225.600	7286.20	1124.27	-403.65	-1049.31	1.71	
7524.00	0.800	131.800	7376.18	1125.14	-404.95	-1049.74	2.04	
7615.00	1.100	141.300	7467.17	1124.59	-406.06	-1048.72	0.37	
7705.00	1.300	148.600	7557.15	1124.15	-407.60	-1047.65	0.28	
7795.00	1.400	161.300	7647.13	1124.01	-409.51	-1046.77	0.35	
7886.00	1.500	167.600	7738.10	1124.24	-411.73	-1046.15	0.21	
7977.00	1.500	171.800	7829.07	1124.69	-414.07	-1045.73	0.12	
8067.00	1.800	172.600	7919.03	1125.30	-416.64	-1045.38	0.33	
8157.00	1.400	146.900	8008.99	1125.41	-418.96	-1044.60	0.90	
8246.00	1.500	133.200	8097.97	1124.68	-420.67	-1043.15	0.40	
8336.00	1.500	134.200	8187.94	1123.68	-422.30	-1041.45	0.03	
8426.00	1.600	136.300	8277.90	1122.71	-424.03	-1039.74	0.13	
8474.00	1.600	138.400	8325.88	1122.22	-425.01	-1038.83	0.12	LAST BHI MWD SURVEY
8530.00	1.600	138.400	8381.86	1121.67	-426.18	-1037.79	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: KERR-MCGEE 33-3 AWB Ref Wellpath: KERR-MCGEE 33-3 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]
12.25in Open Hole	17.00	980.00	963.00	17.00	979.88	0.00	0.00	2.02	-12.84
9.625in Casing Surface	17.00	980.00	963.00	17.00	979.88	0.00	0.00	2.02	-12.84
7.875in Open Hole	980.00	8530.00	7550.00	979.88	8381.86	2.02	-12.84	-426.18	-1037.79



Actual Wellpath Report

KERR-MCGEE 33-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 KERR-MCGEE 33-3 (1721'FSL & 1105'FWL)
Area	COLORADO	Well	KERR-MCGEE 33-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 33-3 AWB
Facility	SEC.03-T1N-R68W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
KERR-MCGEE 33-3 GEO TARGET 50' RADIUS (1320'FSL & 75'FWL, REV-1)		6000.00	-399.61	-1030.97	3140289.39	1271166.92	40°04'35.958"N	104°59'55.230"W	circle
KERR-MCGEE 33-3 HARDLINE 74'W OF GEO TARGET		6000.00	-399.61	-1104.97	3140215.39	1271166.50	40°04'35.958"N	104°59'56.182"W	point

WELLPATH COMPOSITION Ref Wellbore: KERR-MCGEE 33-3 AWB Ref Wellpath: KERR-MCGEE 33-3 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	917.00	NaviTrak (Standard)	SURFACE BHI MWD 12.25 HOLE <150-917>	KERR-MCGEE 33-3 AWB
917.00	8474.00	NaviTrak (Standard)	PRODCUTION BHI MWD 7.875 HOLE <1015-8474>	KERR-MCGEE 33-3 AWB
8474.00	8530.00	Blind Drilling (std)	Projection to bit	KERR-MCGEE 33-3 AWB



Actual Wellpath Report

KERR-MCGEE 33-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#04 KERR-MCGEE 33-3 (1721'FSL & 1105'FWL)
Area	COLORADO	Well	KERR-MCGEE 33-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 33-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8474.00	1.600	138.400	8325.88	LAST BHI MWD SURVEY
8530.00	1.600	138.400	8381.86	PROJECTION TO BIT