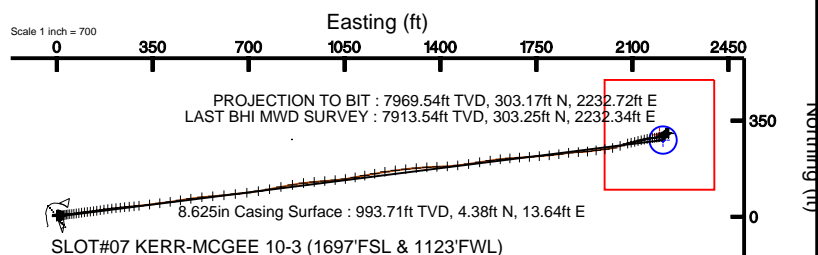
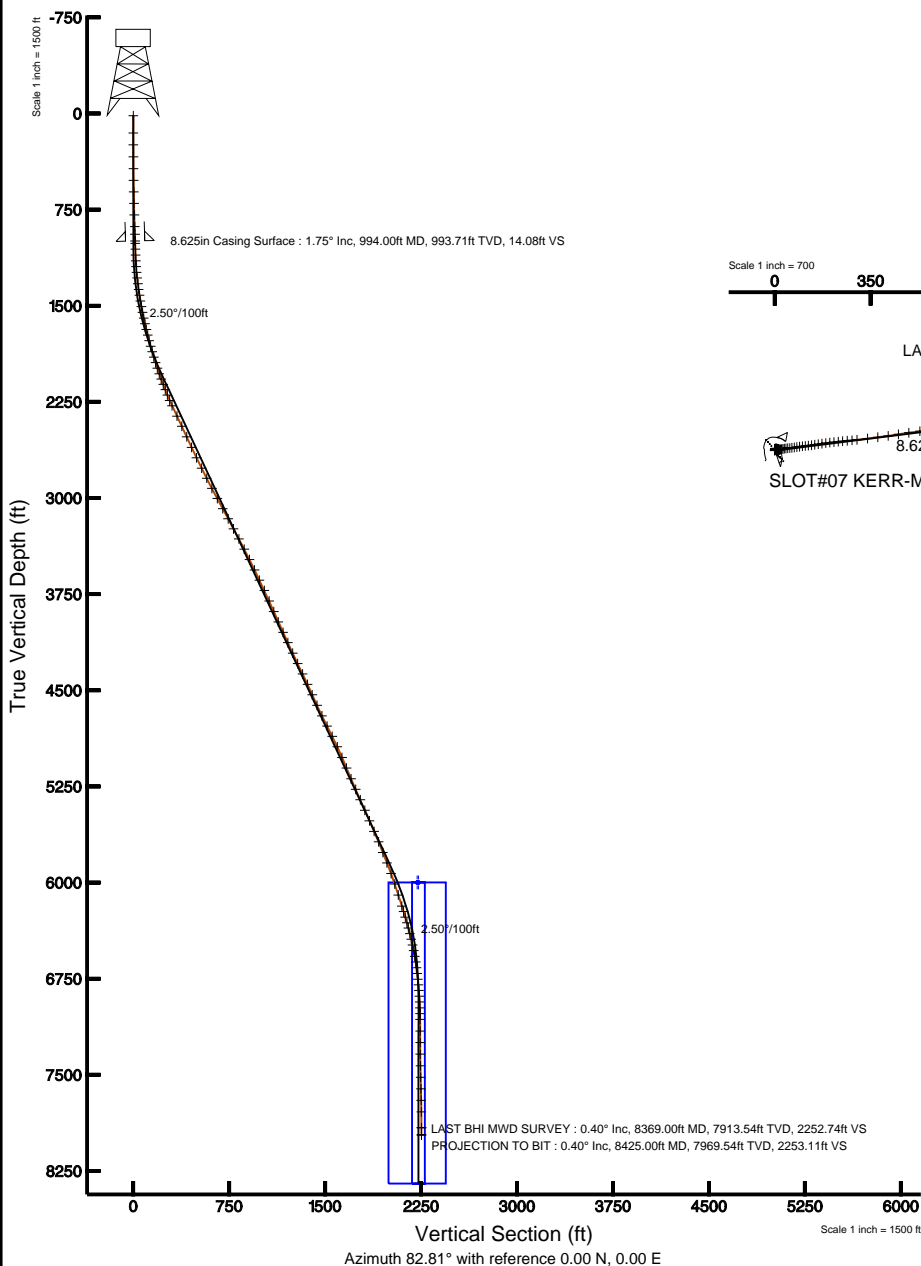


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#07 KERR-MCGEE 10-3 (1697'FSL & 1123'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: KERR-MCGEE 10-3
 Facility: SEC.03-T1N-R68W Wellbore: KERR-MCGEE 10-3 PWB



Plot reference wellpath is KERR-MCGEE 10-3 (REV-A.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: cookdanm on 7/26/2010



BGGM (1/945, 0 to 2012.0) Dip: 66.80° Field: 53064.1 nT
 Magnetic North is 9.06 degrees East of True North (at 6/25/2010)
 To correct azimuth from Magnetic to True add 9.06 degrees
 For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 9.06 = 99.06



Actual Wellpath Report

KERR-MCGEE 10-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 KERR-MCGEE 10-3 (1697'FSL & 1123'FWL)
Area	COLORADO	Well	KERR-MCGEE 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 10-3 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	7/26/2010 at 9:40:09 PM
Convergence at slot	0.33° East	Database/Source file	Denver Server/KERR-MCGEE_10-3_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-8.38	-54.29	3141336.90	1271548.81	40°04'39.673"N	104°59'41.726"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	82.81°



Actual Wellpath Report

KERR-MCGEE 10-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 KERR-MCGEE 10-3 (1697'FSL & 1123'FWL)
Area	COLORADO	Well	KERR-MCGEE 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 10-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (120 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	331.400	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	331.400	17.00	0.00	0.00	0.00	0.00	
151.00	0.600	331.400	151.00	-0.26	0.62	-0.34	0.45	
244.00	0.800	12.600	243.99	-0.21	1.68	-0.43	0.57	
337.00	1.200	6.300	336.98	0.23	3.28	-0.18	0.45	
430.00	1.100	8.000	429.96	0.69	5.13	0.05	0.11	
521.00	1.100	33.700	520.94	1.49	6.72	0.66	0.54	
611.00	1.200	69.900	610.92	2.98	7.76	2.02	0.80	
701.00	1.900	82.200	700.89	5.39	8.29	4.39	0.86	
791.00	1.900	114.500	790.84	8.15	7.88	7.22	1.17	
882.00	2.400	121.900	881.78	10.91	6.24	10.21	0.63	
942.00	1.900	117.000	941.74	12.71	5.13	12.17	0.89	
1013.00	1.700	116.600	1012.70	14.56	4.12	14.16	0.28	
1058.00	1.700	105.400	1057.68	15.73	3.65	15.40	0.74	
1104.00	2.100	78.700	1103.66	17.20	3.63	16.88	2.09	
1149.00	2.800	81.100	1148.62	19.12	3.96	18.77	1.57	
1194.00	3.900	76.200	1193.54	21.74	4.50	21.35	2.52	
1239.00	5.300	76.900	1238.39	25.33	5.33	24.86	3.11	
1284.00	6.700	81.800	1283.15	30.02	6.18	29.48	3.31	
1329.00	7.200	80.100	1327.82	35.46	7.04	34.86	1.20	
1374.00	7.900	80.400	1372.43	41.37	8.04	40.68	1.56	
1420.00	8.700	85.000	1417.94	48.00	8.87	47.27	2.26	
1465.00	9.700	85.700	1462.36	55.19	9.45	54.44	2.24	
1510.00	10.700	82.900	1506.65	63.16	10.25	62.36	2.48	
1555.00	11.400	82.200	1550.82	71.78	11.37	70.92	1.58	
1601.00	12.400	82.200	1595.83	81.27	12.66	80.31	2.17	
1646.00	13.100	79.000	1639.72	91.19	14.29	90.11	2.21	
1692.00	13.400	83.600	1684.50	101.72	15.87	100.52	2.38	
1737.00	14.000	84.300	1728.22	112.37	17.00	111.12	1.38	
1782.00	15.100	83.600	1771.77	123.67	18.19	122.36	2.48	
1827.00	15.300	82.300	1815.20	135.47	19.64	134.07	0.88	
1871.00	16.000	81.130	1857.57	147.34	21.35	145.81	1.75	
1916.00	17.100	81.500	1900.70	160.15	23.29	158.48	2.46	
1961.00	17.900	81.100	1943.62	173.68	25.33	171.86	1.80	
2007.00	18.500	82.500	1987.32	188.04	27.38	186.08	1.61	
2052.00	19.300	83.600	2029.89	202.62	29.14	200.55	1.95	
2097.00	20.500	82.500	2072.20	217.94	31.00	215.75	2.79	
2141.00	21.400	84.300	2113.29	233.66	32.80	231.38	2.51	
2185.00	21.700	84.700	2154.22	249.82	34.35	247.47	0.76	
2230.00	21.800	84.700	2196.02	266.49	35.89	264.07	0.22	
2276.00	23.100	84.300	2238.53	284.04	37.58	281.55	2.85	
2321.00	25.000	83.600	2279.62	302.38	39.51	299.79	4.27	
2411.00	25.800	82.900	2360.92	340.98	44.05	338.13	0.95	
2499.00	25.600	82.900	2440.21	379.14	48.77	375.99	0.23	
2589.00	24.300	81.800	2521.81	417.10	53.81	413.62	1.53	



Actual Wellpath Report

KERR-MCGEE 10-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 KERR-MCGEE 10-3 (1697'FSL & 1123'FWL)
Area	COLORADO	Well	KERR-MCGEE 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 10-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (120 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2680.00	24.700	81.500	2604.62	454.83	59.30	450.96	0.46	
2770.00	26.100	81.100	2685.92	493.42	65.14	489.11	1.57	
2861.00	26.700	83.600	2767.43	533.87	70.51	529.21	1.39	
2949.00	27.300	85.700	2845.84	573.80	74.23	568.98	1.28	
3038.00	27.300	84.000	2924.93	614.59	77.90	609.63	0.88	
3127.00	28.600	84.000	3003.55	656.29	82.26	651.12	1.46	
3217.00	28.100	83.200	3082.75	699.02	87.02	693.59	0.70	
3307.00	27.900	81.100	3162.22	741.27	92.78	735.44	1.12	
3396.00	28.100	79.000	3240.80	783.00	100.01	776.59	1.13	
3485.00	28.500	79.400	3319.17	825.11	107.91	818.03	0.50	
3575.00	27.500	79.000	3398.63	867.27	115.83	859.54	1.13	
3666.00	26.000	82.900	3479.89	908.19	122.30	899.96	2.54	
3756.00	25.600	85.400	3560.93	947.34	126.30	938.92	1.29	
3845.00	25.900	85.000	3641.09	985.97	129.53	977.45	0.39	
3934.00	25.300	84.700	3721.35	1024.40	132.99	1015.75	0.69	
4024.00	24.000	82.900	3803.15	1061.93	137.02	1053.06	1.67	
4114.00	23.100	78.300	3885.66	1097.84	142.87	1088.52	2.27	
4203.00	24.000	80.000	3967.25	1133.32	149.55	1123.44	1.27	
4292.00	25.600	78.300	4048.04	1170.57	156.59	1160.09	1.97	
4381.00	25.000	81.100	4128.50	1208.54	163.40	1197.50	1.50	
4471.00	24.900	83.600	4210.11	1246.49	168.46	1235.12	1.18	
4561.00	25.300	83.200	4291.61	1284.67	172.85	1273.05	0.48	
4651.00	25.700	85.000	4372.84	1323.40	176.82	1311.58	0.97	
4741.00	25.000	86.400	4454.17	1361.88	179.72	1350.00	1.02	
4830.00	24.400	88.500	4535.03	1398.95	181.38	1387.15	1.19	
4921.00	24.500	85.700	4617.88	1436.50	183.29	1424.76	1.28	
5011.00	25.600	84.300	4699.41	1474.57	186.62	1462.72	1.39	
5101.00	27.400	81.100	4779.95	1514.71	191.75	1502.53	2.55	
5191.00	26.500	80.800	4860.18	1555.48	198.17	1542.81	1.01	
5281.00	25.100	81.500	4941.21	1594.63	204.20	1581.51	1.59	
5372.00	22.900	83.200	5024.34	1631.64	209.15	1618.19	2.53	
5462.00	22.900	85.700	5107.24	1666.64	212.54	1653.04	1.08	
5553.00	23.200	85.700	5190.98	1702.22	215.21	1688.57	0.33	
5643.00	24.400	86.400	5273.32	1738.48	217.70	1724.80	1.37	
5732.00	23.700	85.000	5354.60	1774.70	220.42	1760.96	1.01	
5822.00	23.300	85.000	5437.13	1810.57	223.55	1796.71	0.44	
5911.00	23.400	81.500	5518.85	1845.82	227.69	1831.73	1.56	
6001.00	24.200	83.200	5601.19	1882.14	232.52	1867.72	1.17	
6090.00	22.800	88.200	5682.82	1917.55	235.22	1903.08	2.74	
6180.00	21.000	84.700	5766.32	1951.04	237.26	1936.57	2.47	
6267.00	22.100	80.400	5847.25	1982.97	241.43	1968.23	2.21	
6356.00	20.100	83.600	5930.28	2014.99	245.92	1999.94	2.59	
6443.00	18.400	78.000	6012.42	2043.63	250.45	2028.23	2.88	
6533.00	18.500	70.900	6097.80	2071.76	258.07	2055.62	2.50	
6624.00	17.800	75.200	6184.28	2099.67	266.35	2082.71	1.66	



Actual Wellpath Report

KERR-MCGEE 10-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 KERR-MCGEE 10-3 (1697'FSL & 1123'FWL)
Area	COLORADO	Well	KERR-MCGEE 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 10-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (120 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6669.00	17.100	76.900	6227.21	2113.07	269.61	2095.81	1.92	
6714.00	16.700	76.700	6270.26	2126.08	272.59	2108.54	0.90	
6760.00	16.300	76.200	6314.37	2139.07	275.65	2121.24	0.92	
6803.00	14.900	76.200	6355.79	2150.55	278.41	2132.47	3.26	
6848.00	14.500	76.600	6399.31	2161.90	281.10	2143.57	0.92	
6893.00	13.900	79.000	6442.94	2172.89	283.44	2154.36	1.87	
6939.00	12.300	81.100	6487.74	2183.30	285.25	2164.62	3.63	
6984.00	11.000	83.000	6531.81	2192.39	286.51	2173.62	3.01	
7029.00	10.000	84.000	6576.06	2200.59	287.44	2181.77	2.26	
7074.00	8.100	84.700	6620.49	2207.66	288.15	2188.81	4.23	
7119.00	7.000	78.000	6665.11	2213.57	289.01	2194.65	3.13	
7164.00	7.000	75.200	6709.77	2219.02	290.28	2199.98	0.76	
7209.00	6.900	70.200	6754.44	2224.37	291.90	2205.18	1.36	
7253.00	5.900	68.500	6798.16	2229.14	293.62	2209.77	2.31	
7298.00	4.900	60.000	6842.97	2233.16	295.43	2213.59	2.84	
7343.00	4.100	57.800	6887.83	2236.38	297.25	2216.61	1.82	
7388.00	3.200	51.300	6932.73	2238.91	298.89	2218.95	2.20	
7434.00	2.100	48.100	6978.68	2240.70	300.25	2220.58	2.41	
7479.00	0.900	35.000	7023.67	2241.62	301.09	2221.40	2.76	
7524.00	1.100	40.400	7068.66	2242.17	301.71	2221.88	0.49	
7615.00	0.400	355.400	7159.65	2242.83	302.69	2222.42	0.95	
7705.00	1.100	343.400	7249.65	2242.70	303.84	2222.15	0.79	
7795.00	1.000	76.000	7339.64	2243.34	304.85	2222.67	1.69	
7886.00	1.400	95.500	7430.62	2245.22	304.94	2224.54	0.62	
7976.00	1.300	104.300	7520.59	2247.24	304.58	2226.63	0.26	
8066.00	1.100	106.100	7610.57	2248.98	304.09	2228.45	0.23	
8155.00	0.900	107.200	7699.56	2250.40	303.65	2229.93	0.23	
8246.00	0.700	93.800	7790.55	2251.60	303.40	2231.17	0.30	
8369.00	0.400	102.900	7913.54	2252.74	303.25	2232.34	0.25	LAST BHI MWD SURVEY
8425.00	0.400	102.900	7969.54	2253.11	303.17	2232.72	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: KERR-MCGEE 10-3 AWB Ref Wellpath: KERR-MCGEE 10-3 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	994.00	977.00	17.00	993.71	0.00	0.00	4.38	13.64
8.625in Casing Surface	17.00	994.00	977.00	17.00	993.71	0.00	0.00	4.38	13.64
7.875in Open Hole	994.00	1005.00	11.00	993.71	1004.71	4.38	13.64	4.23	13.94



Actual Wellpath Report

KERR-MCGEE 10-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 KERR-MCGEE 10-3 (1697'FSL & 1123'FWL)
Area	COLORADO	Well	KERR-MCGEE 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 10-3 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 10-3 GEO TARGET 50' RADIUS (1980'FSL & 1980'FEL, REV-1)		6000.00	279.15	2212.16	3143547.34	1271840.54	40°04'42.431"N	104°59'13.268"W	circle
KERR-MCGEE 10-3 LEGAL BOX (181'S,219'N,187'E,213'W OF GEO TARGET)		6000.00	298.15	2199.16	3143534.24	1271859.46	40°04'42.619"N	104°59'13.436"W	square

WELLPATH COMPOSITION Ref Wellbore: KERR-MCGEE 10-3 AWB Ref Wellpath: KERR-MCGEE 10-3 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	942.00	NaviTrak (Standard)	SURFACE BHI MWD SURVEYS 12.25"HOLE <151-942>	KERR-MCGEE 10-3 AWB
942.00	8369.00	NaviTrak (Standard)	PRODUCTION MWD SURVEYS 7.875" HOLE<1013-8369>	KERR-MCGEE 10-3 AWB
8369.00	8425.00	Blind Drilling (std)	Projection to bit	KERR-MCGEE 10-3 AWB



Actual Wellpath Report

KERR-MCGEE 10-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#07 KERR-MCGEE 10-3 (1697'FSL & 1123'FWL)
Area	COLORADO	Well	KERR-MCGEE 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 10-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8369.00	0.400	102.900	7913.54	LAST BHI MWD SURVEY
8425.00	0.400	102.900	7969.54	PROJECTION TO BIT