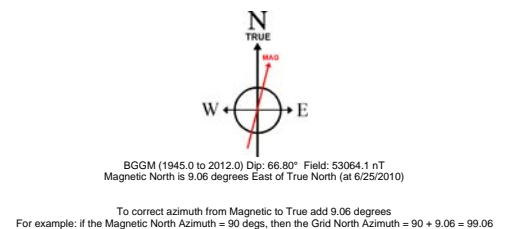
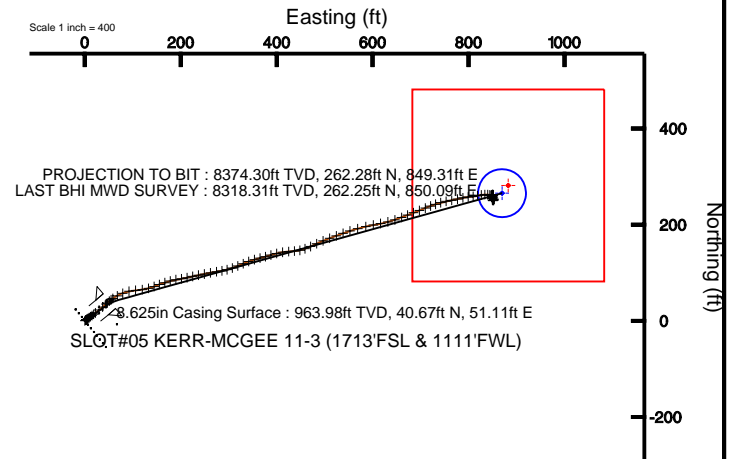
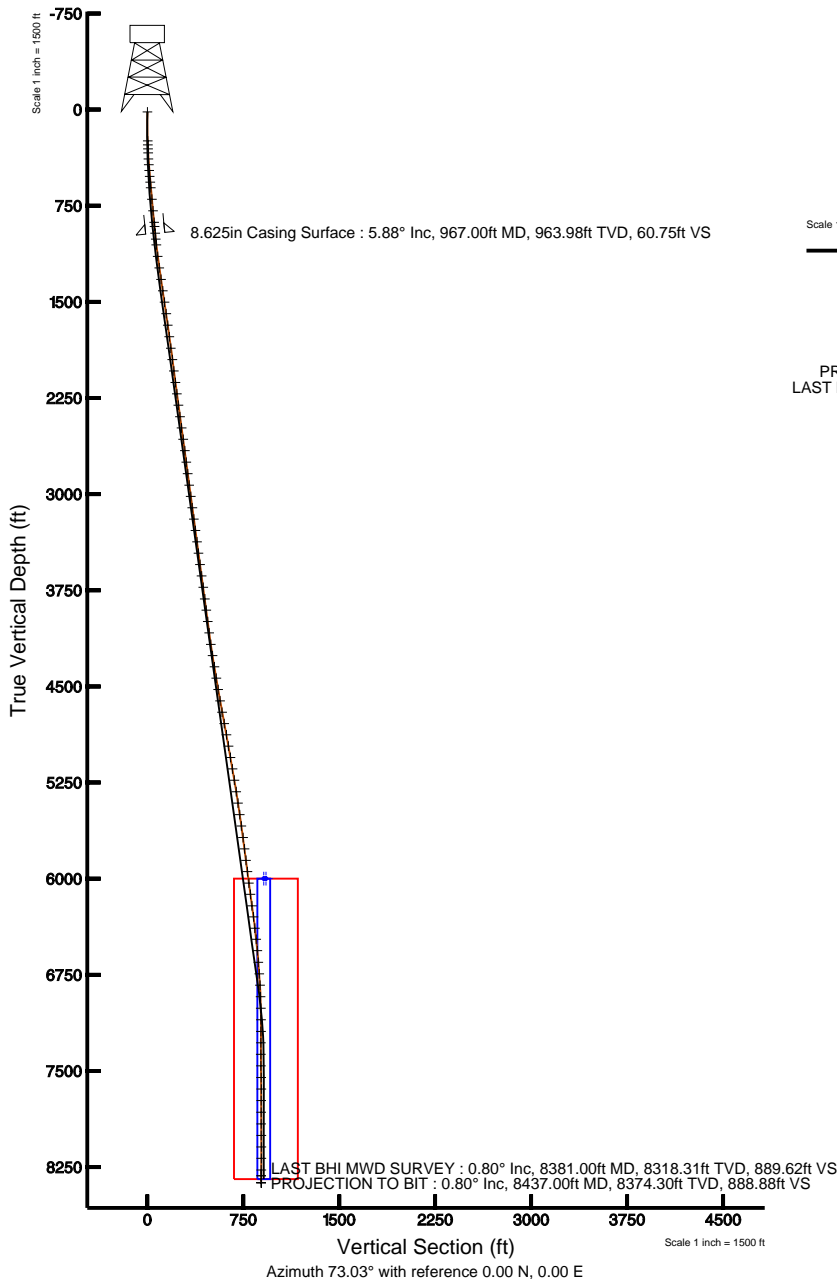


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#05 KERR-MCGEE 11-3 (1713'FSL & 1111'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: KERR-MCGEE 11-3
 Facility: SEC.03-T1N-R68W Wellbore: KERR-MCGEE 11-3 PWB



Plot reference wellpath is KERR-MCGEE 11-3 (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: cookdanm on 7/26/2010





Actual Wellpath Report

KERR-MCGEE 11-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 KERR-MCGEE 11-3 (1713'FSL & 1111'FWL)
Area	COLORADO	Well	KERR-MCGEE 11-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 11-3 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 1:04:22 AM
Convergence at slot	0.33° East	Database/Source file	Denver Server/_KERR-MCGEE_11-3_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	7.29	-66.88	3141324.22	1271564.40	40°04'39.828"N	104°59'41.888"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	73.03°



Actual Wellpath Report

KERR-MCGEE 11-3 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 KERR-MCGEE 11-3 (1713'FSL & 1111'FWL)
Area	COLORADO	Well	KERR-MCGEE 11-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 11-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (101 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	55.500	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	55.500	17.00	0.00	0.00	0.00	0.00	
243.00	1.200	55.500	242.98	2.26	1.34	1.95	0.53	
274.00	1.800	53.200	273.97	3.02	1.82	2.61	1.94	
306.00	2.200	54.800	305.95	4.08	2.47	3.51	1.26	
337.00	2.700	54.800	336.92	5.34	3.23	4.59	1.61	
384.00	3.300	55.100	383.86	7.68	4.65	6.61	1.28	
429.00	4.000	54.100	428.77	10.39	6.31	8.94	1.56	
475.00	4.800	52.700	474.63	13.72	8.42	11.77	1.75	
521.00	5.200	52.300	520.46	17.47	10.86	14.95	0.87	
566.00	5.700	52.300	565.25	21.47	13.47	18.34	1.11	
610.00	6.200	52.700	609.02	25.74	16.25	21.95	1.14	
700.00	6.400	50.900	698.47	34.94	22.35	29.71	0.31	
791.00	5.700	49.200	788.97	43.78	28.51	37.07	0.79	
881.00	6.300	48.100	878.47	52.34	34.72	44.13	0.68	
914.00	6.200	49.900	911.28	55.62	37.08	46.84	0.67	
1013.00	5.600	50.100	1009.75	64.99	43.62	54.63	0.61	
1058.00	6.300	59.300	1054.51	69.41	46.29	58.44	2.62	
1149.00	7.400	61.100	1144.86	80.00	51.67	67.87	1.23	
1239.00	8.500	66.700	1233.99	92.28	57.11	79.05	1.49	
1330.00	8.800	77.600	1323.96	105.90	61.26	92.03	1.83	
1420.00	9.200	86.400	1412.86	119.76	63.19	105.93	1.59	
1510.00	8.800	81.100	1501.75	133.58	64.71	119.91	1.02	
1601.00	8.000	75.200	1591.78	146.80	67.40	132.91	1.29	
1692.00	7.500	68.800	1681.95	159.05	71.17	144.57	1.10	
1782.00	7.600	68.800	1771.17	170.84	75.44	155.60	0.11	
1873.00	7.400	74.100	1861.39	182.71	79.23	166.84	0.79	
1962.00	7.900	72.400	1949.60	194.55	82.65	178.19	0.62	
2052.00	7.500	80.100	2038.79	206.57	85.53	189.87	1.23	
2143.00	7.500	82.200	2129.01	218.32	87.35	201.60	0.30	
2232.00	7.700	76.900	2217.23	230.01	89.49	213.16	0.82	
2321.00	7.700	76.600	2305.43	241.90	92.23	224.77	0.05	
2412.00	8.100	79.300	2395.56	254.36	94.83	237.00	0.60	
2501.00	8.200	79.400	2483.67	266.90	97.16	249.40	0.11	
2590.00	8.400	76.900	2571.73	279.70	99.80	261.97	0.46	
2680.00	7.900	82.200	2660.83	292.36	102.13	274.50	1.00	
2770.00	6.700	80.100	2750.10	303.68	103.87	285.80	1.37	
2861.00	7.200	74.800	2840.43	314.65	106.28	296.54	0.89	
2951.00	7.700	70.200	2929.67	326.30	109.80	307.65	0.86	
3040.00	7.900	68.500	3017.84	338.36	114.06	318.95	0.34	
3129.00	7.900	66.400	3106.00	350.53	118.75	330.25	0.32	
3218.00	8.100	69.900	3194.13	362.87	123.36	341.74	0.59	
3308.00	7.900	74.500	3283.26	375.38	127.19	353.65	0.75	
3398.00	7.500	75.500	3372.45	387.43	130.31	365.30	0.47	
3487.00	7.700	74.100	3460.67	399.20	133.40	376.66	0.31	



Actual Wellpath Report

KERR-MCGEE 11-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 KERR-MCGEE 11-3 (1713'FSL & 1111'FWL)
Area	COLORADO	Well	KERR-MCGEE 11-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 11-3 AWP
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (101 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3576.00	7.500	73.100	3548.88	410.97	136.72	387.95	0.27	
3666.00	8.400	76.000	3638.02	423.40	140.02	399.95	1.09	
3756.00	8.000	81.500	3727.10	436.16	142.54	412.52	0.98	
3847.00	7.800	84.300	3817.24	448.48	144.09	424.93	0.48	
3936.00	8.000	87.100	3905.39	460.41	145.00	437.12	0.49	
4025.00	6.700	76.200	3993.66	471.61	146.55	448.35	2.14	
4115.00	7.700	70.000	4082.95	482.87	149.87	459.12	1.41	
4205.00	8.400	66.400	4172.07	495.42	154.56	470.81	0.96	
4294.00	9.500	65.000	4259.98	509.15	160.27	483.42	1.26	
4383.00	9.600	67.100	4347.75	523.81	166.26	496.91	0.41	
4472.00	9.200	69.900	4435.55	538.29	171.59	510.43	0.68	
4562.00	9.800	70.200	4524.32	553.13	176.66	524.40	0.67	
4652.00	9.300	68.500	4613.07	568.02	181.92	538.37	0.64	
4742.00	10.200	73.000	4701.77	583.24	186.91	552.76	1.31	
4832.00	11.500	73.800	4790.16	600.18	191.75	568.99	1.45	
4921.00	11.000	78.000	4877.45	617.51	195.99	585.82	1.08	
5011.00	9.600	79.000	4966.00	633.53	199.20	601.58	1.57	
5101.00	10.200	77.000	5054.66	648.95	202.43	616.72	0.77	
5192.00	9.700	78.300	5144.29	664.62	205.80	632.07	0.60	
5281.00	9.800	70.200	5232.01	679.65	209.88	646.54	1.54	
5372.00	9.000	70.000	5321.79	694.49	214.94	660.52	0.88	
5462.00	8.300	66.400	5410.76	707.98	219.95	673.09	0.98	
5553.00	8.400	69.000	5500.80	721.13	224.96	685.31	0.43	
5643.00	8.600	69.500	5589.81	734.41	229.67	697.75	0.24	
5734.00	8.000	67.400	5679.86	747.50	234.49	709.97	0.74	
5823.00	7.200	70.200	5768.07	759.23	238.76	720.94	0.99	
5913.00	6.900	71.300	5857.39	770.27	242.40	731.36	0.37	
6002.00	7.400	72.700	5945.70	781.34	245.82	741.90	0.59	
6092.00	7.700	80.400	6034.92	793.12	248.55	753.38	1.17	
6181.00	7.800	80.400	6123.11	805.02	250.55	765.21	0.11	
6271.00	7.900	75.200	6212.27	817.26	253.15	777.21	0.80	
6358.00	7.500	78.700	6298.48	828.88	255.79	788.56	0.71	
6447.00	6.900	82.600	6386.78	839.94	257.62	799.56	0.87	
6534.00	6.700	85.000	6473.17	850.05	258.73	809.80	0.40	
6624.00	4.800	75.200	6562.72	858.95	260.15	818.67	2.37	
6715.00	5.500	81.500	6653.35	867.07	261.77	826.66	0.99	
6805.00	4.300	86.800	6743.02	874.62	262.59	834.30	1.42	
6894.00	3.300	95.000	6831.82	880.23	262.56	840.18	1.28	
6984.00	2.200	105.800	6921.72	884.09	261.86	844.42	1.35	
7074.00	1.500	119.100	7011.67	886.36	260.82	847.12	0.91	
7164.00	1.200	152.900	7101.65	887.34	259.41	848.57	0.93	
7255.00	1.400	168.700	7192.62	887.40	257.47	849.23	0.45	
7344.00	2.400	176.800	7281.57	886.84	254.54	849.54	1.16	
7434.00	1.600	164.100	7371.52	886.37	251.45	849.99	1.01	
7524.00	1.000	111.000	7461.50	886.97	249.96	851.07	1.42	



Actual Wellpath Report

KERR-MCGEE 11-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 KERR-MCGEE 11-3 (1713'FSL & 1111'FWL)
Area	COLORADO	Well	KERR-MCGEE 11-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 11-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH DATA (101 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
7615.00	1.900	43.200	7552.47	888.90	250.78	852.84	1.96	
7705.00	1.500	340.200	7642.44	890.14	252.97	853.47	2.01	
7795.00	2.400	322.700	7732.39	889.43	255.58	851.93	1.19	
7886.00	1.200	350.100	7823.34	888.88	258.03	850.61	1.59	
7977.00	1.100	3.000	7914.33	889.30	259.85	850.49	0.30	
8067.00	0.700	11.900	8004.31	889.86	261.25	850.65	0.47	
8157.00	0.400	360.000	8094.31	890.22	262.10	850.76	0.35	
8246.00	0.200	327.200	8183.31	890.26	262.54	850.68	0.29	
8336.00	0.400	203.800	8273.31	890.02	262.38	850.47	0.60	
8381.00	0.800	272.000	8318.31	889.62	262.25	850.09	1.67	LAST BHI MWD SURVEY
8437.00	0.800	272.000	8374.30	888.88	262.28	849.31	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: KERR-MCGEE 11-3 AWB Ref Wellpath: KERR-MCGEE 11-3 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	967.00	950.00	17.00	963.98	0.00	0.00	40.67	51.11
8.625in Casing Surface	17.00	967.00	950.00	17.00	963.98	0.00	0.00	40.67	51.11
7.875in Open Hole	967.00	8437.00	7470.00	963.98	8374.30	40.67	51.11	262.28	849.31

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
KERR-MCGEE 11-3 GEO TARGET 50' RADIUS (1980'FSL & 1980'FWL, REV-1)		6000.00	265.58	870.03	3142192.69	1271834.92	40°04'42.452"N	104°59'30.696"W	circle
KERR-MCGEE 11-3 LEGAL BOX (184'S,216'N,187'W,213'E)		6000.00	281.58	883.03	3142205.60	1271850.99	40°04'42.610"N	104°59'30.529"W	square

WELLPATH COMPOSITION Ref Wellbore: KERR-MCGEE 11-3 AWB Ref Wellpath: KERR-MCGEE 11-3 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
17.00	914.00	NaviTrak (Standard)	SURFACE BHI MWD 12.25"HOLE <243-914>	KERR-MCGEE 11-3 AWB
914.00	8381.00	NaviTrak (Standard)	PRODUCTION BHI MWD SURVEYS 7.875"HOLE <1013-8381>	KERR-MCGEE 11-3 AWB
8381.00	8437.00	Blind Drilling (std)	Projection to bit	KERR-MCGEE 11-3 AWB



Actual Wellpath Report

KERR-MCGEE 11-3 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 KERR-MCGEE 11-3 (1713'FSL & 1111'FWL)
Area	COLORADO	Well	KERR-MCGEE 11-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	KERR-MCGEE 11-3 AWB
Facility	SEC.03-T1N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8381.00	0.800	272.000	8318.31	LAST BHI MWD SURVEY
8437.00	0.800	272.000	8374.30	PROJECTION TO BIT