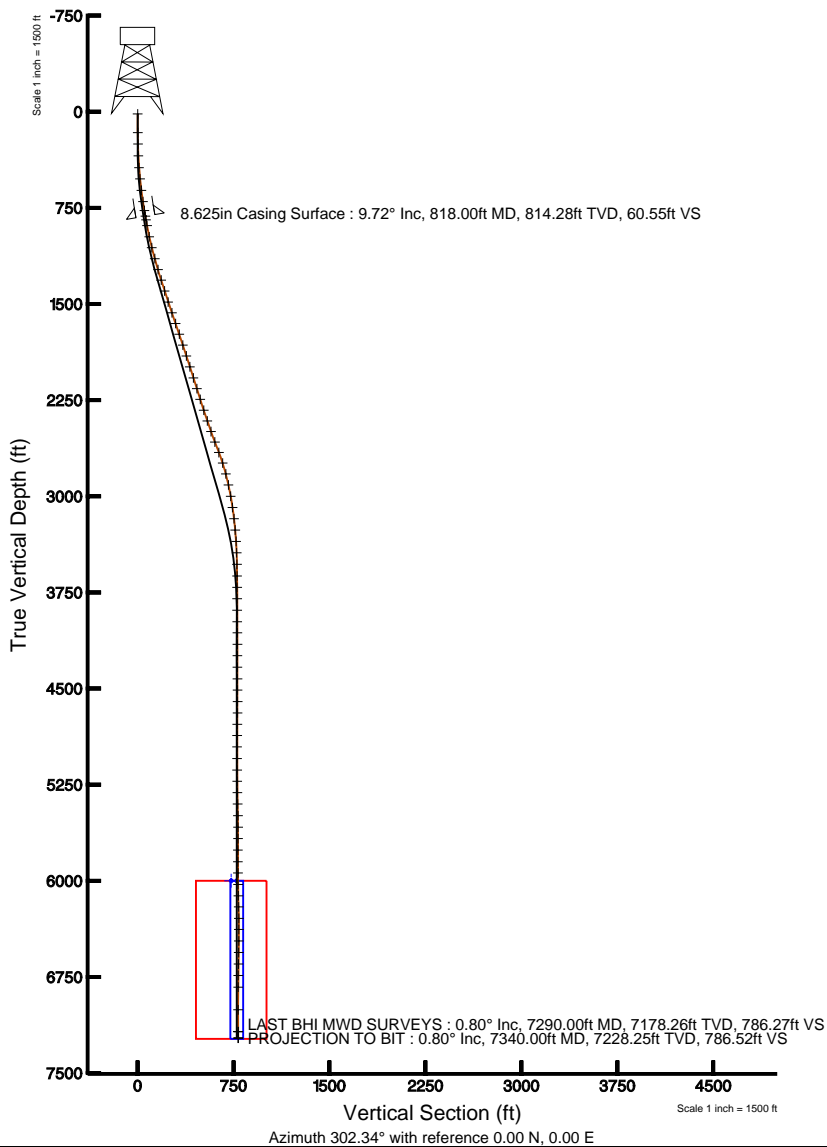
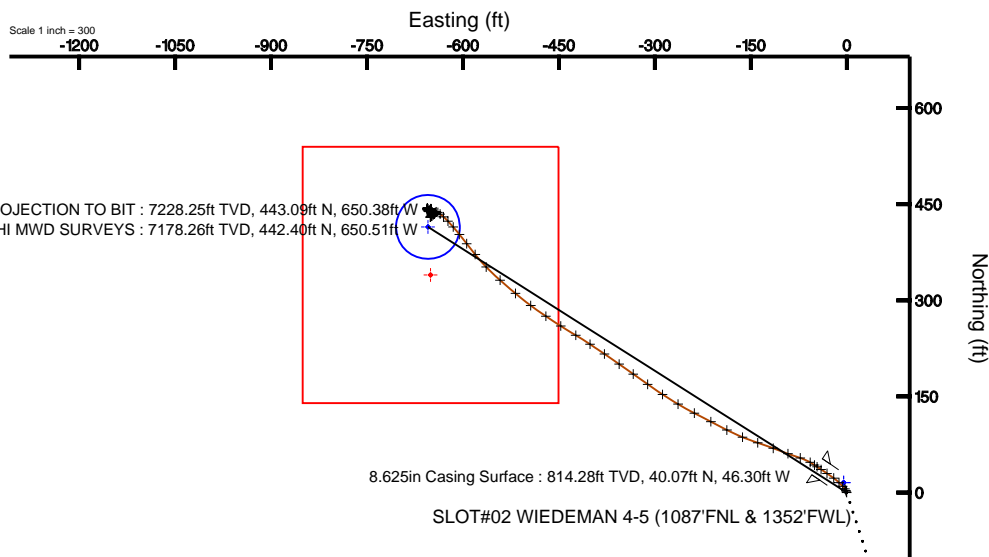


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#02 WIEDEMAN 4-5 (1087'FNL & 1352'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: WIEDEMAN 4-5
 Facility: SEC.05-T5N-R66W Wellbore: WIEDEMAN 4-5 PWB



Plot reference wellpath is WIEDEMAN 4-5 (REV-A-D) PWB	
True vertical depths are referenced to XTREME 6 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 6 (RKB)	North Reference: True north
XTREME 6 (RKB) to Mean Sea Level: 4768 feet	Scale: True distance
Mean Sea Level to Mud Line (Facility: SEC.05-T5N-R66W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdam on 1/14/2011





Actual Wellpath Report

WIEDEMAN 4-5 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 WIEDEMAN 4-5 (1087'FNL & 1352'FWL)
Area	COLORADO	Well	WIEDEMAN 4-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 4-5 awb
Facility	SEC.05-T5N-R66W		

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	0.999962	Report Generated	1/14/2011 at 10:46:15 AM
Convergence at slot	0.45° East	Database/Source file	Denver Server/WIEDEMAN_4-5_awb.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-15.30	4.73	3192916.10	1401743.01	40°26'02.821"N	104°48'25.103"W
Facility Reference Pt			3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"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 6 (RKB) to Facility Vertical Datum	4768.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4768.00ft
Vertical Reference Pt	XTREME 6 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 6 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	302.34°



Actual Wellpath Report

WIEDEMAN 4-5 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 WIEDEMAN 4-5 (1087'FNL & 1352'FWL)
Area	COLORADO	Well	WIEDEMAN 4-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 4-5 awb
Facility	SEC.05-T5N-R66W		

WELLPATH DATA (83 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	334.500	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	334.500	16.00	0.00	0.00	0.00	0.00	
162.00	1.100	334.500	161.99	1.19	1.26	-0.60	0.75	
251.00	1.400	341.900	250.97	2.75	3.07	-1.31	0.38	
344.00	2.300	324.000	343.92	5.36	5.66	-2.76	1.14	
436.00	4.500	315.500	435.75	10.59	9.73	-6.37	2.45	
524.00	6.100	314.800	523.38	18.52	15.48	-12.11	1.82	
614.00	7.700	307.000	612.72	29.20	22.48	-20.32	2.06	
703.00	8.700	303.000	700.81	41.87	29.74	-30.73	1.29	
773.00	9.600	303.900	769.92	53.00	35.88	-40.01	1.30	
847.00	9.800	303.200	842.86	65.46	42.77	-50.40	0.31	
893.00	10.100	301.400	888.17	73.41	47.01	-57.12	0.94	
982.00	12.000	288.000	975.53	90.18	53.94	-72.59	3.58	
1069.00	15.000	290.000	1060.12	109.95	60.59	-91.77	3.49	
1158.00	17.000	290.000	1145.67	133.91	68.98	-114.82	2.25	
1247.00	16.600	289.100	1230.87	159.00	77.59	-139.06	0.54	
1333.00	17.800	291.200	1313.02	183.85	86.36	-162.93	1.57	
1422.00	17.300	298.000	1397.89	210.40	97.49	-187.30	2.37	
1513.00	18.800	297.000	1484.41	238.49	110.50	-212.31	1.68	
1602.00	19.500	297.600	1568.48	267.57	123.89	-238.25	0.82	
1690.00	19.000	300.400	1651.56	296.53	137.95	-263.63	1.19	
1779.00	18.600	303.000	1735.82	325.20	153.01	-288.03	1.04	
1868.00	18.200	305.700	1820.27	353.27	168.85	-311.22	1.06	
1957.00	18.000	305.000	1904.86	380.88	184.85	-333.77	0.33	
2046.00	17.300	305.300	1989.67	407.83	200.38	-355.83	0.79	
2137.00	18.500	304.000	2076.27	435.78	216.28	-378.85	1.39	
2225.00	17.400	303.900	2159.98	462.89	231.42	-401.34	1.25	
2313.00	17.500	300.400	2243.93	489.26	245.46	-423.68	1.20	
2402.00	18.500	303.000	2328.58	516.76	259.92	-447.06	1.44	
2490.00	18.400	303.200	2412.06	544.61	275.13	-470.39	0.13	
2578.00	20.000	307.000	2495.16	573.49	291.79	-494.03	2.31	
2665.00	21.100	309.900	2576.63	603.85	310.79	-517.93	1.72	
2753.00	21.200	311.300	2658.70	635.27	331.45	-542.04	0.59	
2840.00	19.000	316.000	2740.40	664.58	352.03	-563.70	3.14	
2929.00	15.000	322.000	2825.50	689.51	371.54	-580.86	4.90	
3018.00	13.000	321.500	2911.85	709.82	388.45	-594.18	2.25	
3108.00	10.600	321.500	2999.94	727.20	402.85	-605.64	2.67	
3197.00	9.000	318.700	3087.64	741.61	414.49	-615.33	1.88	
3285.00	7.000	317.000	3174.78	753.41	423.58	-623.53	2.29	
3374.00	5.600	310.600	3263.24	762.95	430.37	-630.53	1.76	
3463.00	3.100	306.000	3351.98	769.65	434.61	-635.77	2.83	
3552.00	2.700	307.800	3440.87	774.14	437.31	-639.38	0.46	
3642.00	1.000	237.500	3530.82	776.58	438.19	-641.71	2.83	
3733.00	1.200	236.000	3621.81	777.30	437.23	-643.17	0.22	
3822.00	1.000	221.300	3710.79	777.80	436.13	-644.46	0.39	



Actual Wellpath Report

WIEDEMAN 4-5 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 WIEDEMAN 4-5 (1087'FNL & 1352'FWL)
Area	COLORADO	Well	WIEDEMAN 4-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 4-5 awb
Facility	SEC.05-T5N-R66W		

WELLPATH DATA (83 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3910.00	1.100	216.400	3798.78	777.98	434.87	-645.47	0.15	
4001.00	1.400	213.500	3889.75	778.06	433.24	-646.60	0.34	
4090.00	2.100	234.300	3978.71	778.69	431.38	-648.52	1.05	
4177.00	1.400	244.800	4065.67	779.86	430.00	-650.78	0.88	
4266.00	0.600	56.700	4154.67	780.25	429.79	-651.37	2.24	
4355.00	1.000	32.100	4243.66	780.06	430.71	-650.57	0.58	
4445.00	1.000	30.700	4333.64	780.09	432.05	-649.75	0.03	
4536.00	1.000	8.200	4424.63	780.44	433.51	-649.23	0.43	
4624.00	1.200	17.400	4512.61	780.99	435.15	-648.85	0.30	
4713.00	0.900	357.300	4601.60	781.63	436.74	-648.60	0.53	
4802.00	1.300	115.100	4690.59	781.03	437.01	-647.72	2.13	
4891.00	1.000	121.800	4779.57	779.25	436.17	-646.15	0.37	
4978.00	0.600	104.200	4866.56	778.06	435.66	-645.06	0.53	
5067.00	0.200	105.300	4955.56	777.47	435.51	-644.46	0.45	
5158.00	0.100	322.900	5046.56	777.39	435.53	-644.35	0.31	
5248.00	0.600	306.400	5136.56	777.93	435.87	-644.78	0.56	
5336.00	0.500	274.000	5224.56	778.73	436.17	-645.53	0.37	
5424.00	1.100	284.200	5312.55	779.87	436.40	-646.74	0.70	
5513.00	1.600	306.700	5401.52	781.92	437.36	-648.56	0.81	
5604.00	1.900	333.400	5492.48	784.48	439.47	-650.25	0.94	
5694.00	0.400	133.700	5582.47	785.45	440.58	-650.70	2.53	
5783.00	0.700	109.500	5671.46	784.62	440.19	-649.96	0.42	
5873.00	0.200	175.900	5761.46	783.99	439.85	-649.43	0.72	
5964.00	0.200	242.700	5852.46	783.97	439.61	-649.56	0.24	
6051.00	0.400	275.400	5939.46	784.32	439.57	-650.00	0.29	
6141.00	0.900	299.300	6029.45	785.31	439.95	-650.93	0.62	
6229.00	1.600	302.500	6117.43	787.23	440.95	-652.56	0.80	
6316.00	2.000	318.300	6204.39	789.90	442.73	-654.60	0.73	
6405.00	0.500	356.600	6293.37	791.62	444.28	-655.65	1.84	
6492.00	0.900	186.100	6380.36	791.54	443.98	-655.75	1.60	
6582.00	0.800	218.500	6470.35	791.30	442.79	-656.22	0.54	
6672.00	1.300	153.400	6560.34	790.49	441.38	-656.15	1.34	
6762.00	1.500	141.120	6650.31	788.50	439.55	-654.95	0.40	
6851.00	0.900	102.500	6739.30	786.74	438.49	-653.54	1.10	
6942.00	0.500	73.000	6830.29	785.81	438.45	-652.46	0.58	
7119.00	0.900	20.900	7007.28	785.58	439.98	-651.23	0.40	
7290.00	0.800	11.400	7178.26	786.27	442.40	-650.51	0.10	LAST BHI MWD SURVEYS
7340.00	0.800	11.400	7228.25	786.52	443.09	-650.38	0.00	PROJECTION TO BIT



Actual Wellpath Report

WIEDEMAN 4-5 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 WIEDEMAN 4-5 (1087'FNL & 1352'FWL)
Area	COLORADO	Well	WIEDEMAN 4-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 4-5 awb
Facility	SEC.05-T5N-R66W		

HOLE & CASING SECTIONS Ref Wellbore: WIEDEMAN 4-5 awb Ref Wellpath: WIEDEMAN 4-5 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	16.00	828.00	812.00	16.00	824.14	0.00	0.00	41.00	-47.71
8.625in Casing Surface	16.00	818.00	802.00	16.00	814.28	0.00	0.00	40.07	-46.30
7.875in Open Hole	818.00	7340.00	6522.00	814.28	7228.25	40.07	-46.30	443.09	-650.38

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
WIEDEMAN 18-5 PAD QUARTER SECTION LINES		0.00	15.30	-4.73	3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"W	polygon
WIEDEMAN 18-5 PAD SECTION LINES		0.00	15.30	-4.73	3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"W	polygon
WIEDEMAN 4-5 GEO TARGET 50' RADIUS (660'FNL & 660'FWL, REV-1)		6000.00	414.60	-654.74	3192258.16	1402152.47	40°26'06.918"N	104°48'33.570"W	circle
WIEDEMAN 4-5 LEGAL BOX (125'N,275'S,204'E,196'W OF GEO TARGET)		6000.00	339.60	-650.74	3192262.75	1402077.50	40°26'06.177"N	104°48'33.518"W	square

WELLPATH COMPOSITION Ref Wellbore: WIEDEMAN 4-5 awb Ref Wellpath: WIEDEMAN 4-5 awp

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	847.00	Unknown Tool (Standard)	BHI MWD SURVEYS 12.25 HOLE <162-847>	WIEDEMAN 4-5 awb
847.00	7290.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <893-7290>	WIEDEMAN 4-5 awb
7290.00	7340.00	Blind Drilling (std)	Projection to bit	WIEDEMAN 4-5 awb



Actual Wellpath Report

WIEDEMAN 4-5 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 WIEDEMAN 4-5 (1087'FNL & 1352'FWL)
Area	COLORADO	Well	WIEDEMAN 4-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 4-5 awb
Facility	SEC.05-T5N-R66W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7290.00	0.800	11.400	7178.26	LAST BHI MWD SURVEYS
7340.00	0.800	11.400	7228.25	PROJECTION TO BIT