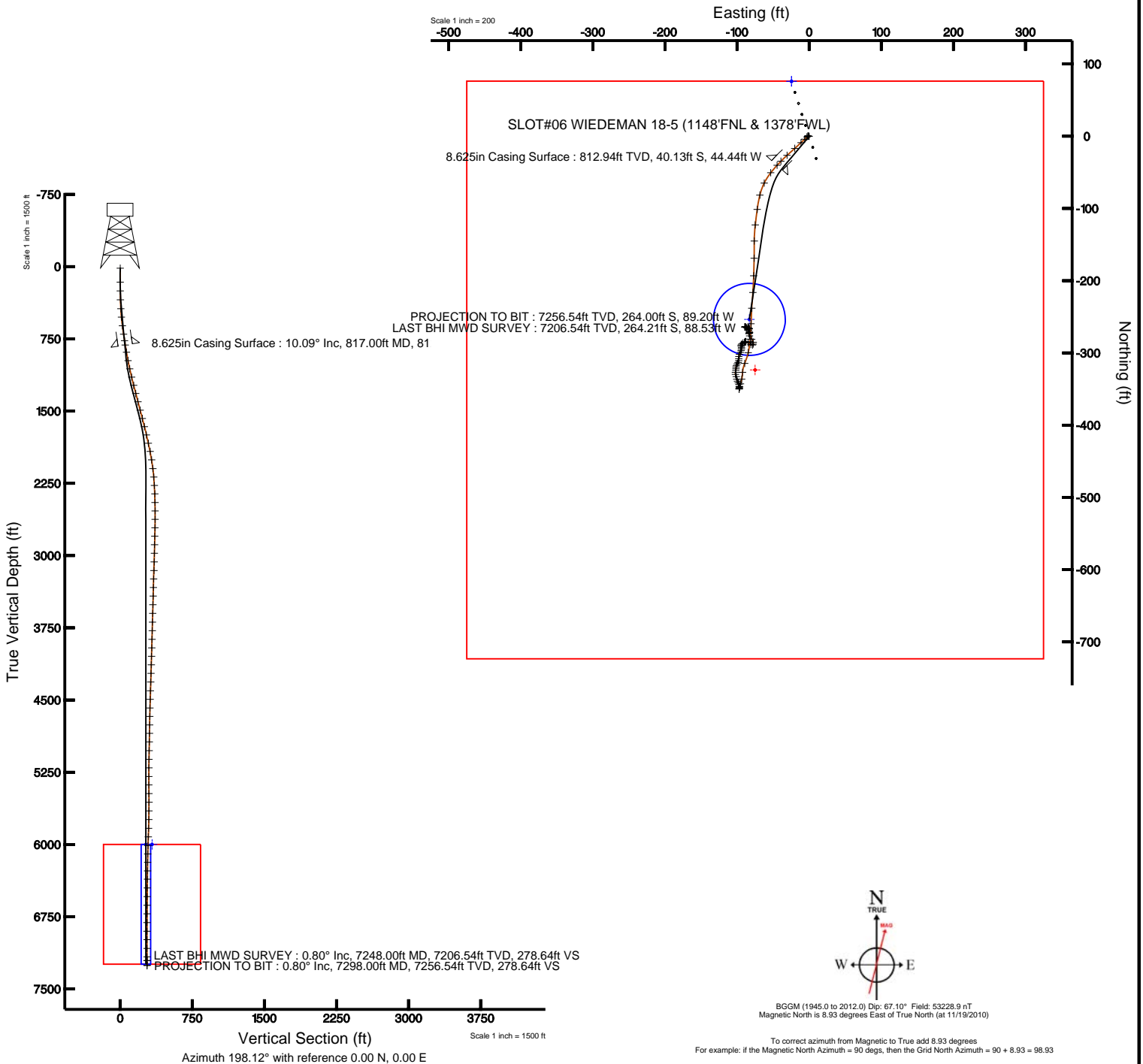


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#06 WIEDEMAN 18-5 (1148'FNL & 1378'FWL)
 Field: WELD COUNTY (KERR MCGEE) Well: WIEDEMAN 18-5
 Facility: SEC.05-TSN-R66W Wellbore: WIEDEMAN 18-5 PWB



Pilot reference wellpath is WIEDEMAN 18-5 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 6 (RXB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (S01), US feet
Measured depths are referenced to XTREME 6 (RXB)	North Reference: True north
XTREME 6 (RXB) to Mean Sea Level: 4789 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.05-TSN-R66W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdarm on 1/14/2011





Actual Wellpath Report

WIEDEMAN 18-5 AWP

Page 1 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 WIEDEMAN 18-5 (1148'FNL & 1378'FWL)
Area	COLORADO	Well	WIEDEMAN 18-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 18-5 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 1:36:34 PM
Convergence at slot	0.45° East	Database/Source file	Denver Server/WIEDEMAN_18-5_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-76.14	24.50	3192936.34	1401682.33	40°26'02.220"N	104°48'24.847"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	4769.00ft
Horizontal Reference Pt	Slot	XTREME 6 (RKB) to Mean Sea Level	4769.00ft
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	198.12°



Actual Wellpath Report

WIEDEMAN 18-5 AWP

Page 2 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 WIEDEMAN 18-5 (1148'FNL & 1378'FWL)
Area	COLORADO	Well	WIEDEMAN 18-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 18-5 AWP
Facility	SEC.05-T5N-R66W		

WELLPATH DATA (84 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	291.600	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	291.600	16.00	0.00	0.00	0.00	0.00	
160.00	0.800	291.600	160.00	-0.06	0.37	-0.93	0.56	
252.00	0.400	230.400	251.99	0.17	0.40	-1.78	0.76	
344.00	1.900	224.400	343.97	1.81	-0.89	-3.09	1.63	
437.00	3.500	225.100	436.86	5.72	-4.00	-6.18	1.72	
524.00	5.900	227.300	523.56	11.99	-8.91	-11.35	2.77	
615.00	8.900	228.300	613.80	22.16	-16.76	-20.05	3.30	
703.00	9.800	228.300	700.63	34.52	-26.27	-30.72	1.02	
772.00	9.800	223.700	768.62	44.90	-34.42	-39.16	1.13	
893.00	10.600	219.200	887.71	64.57	-50.49	-53.31	0.93	
982.00	11.400	206.200	975.09	80.92	-64.73	-62.37	2.92	
1069.00	12.200	194.200	1060.26	98.60	-81.36	-68.42	2.96	
1158.00	14.100	187.200	1146.93	118.63	-101.24	-72.09	2.78	
1246.00	14.400	187.200	1232.22	139.90	-122.73	-74.80	0.34	
1333.00	15.400	179.800	1316.30	161.49	-145.01	-76.12	2.47	
1422.00	15.700	181.200	1402.04	184.23	-168.87	-76.33	0.54	
1513.00	15.300	181.550	1489.73	207.52	-193.18	-76.91	0.45	
1602.00	14.900	184.400	1575.66	229.89	-216.33	-78.11	0.95	
1690.00	13.900	183.300	1660.90	251.10	-238.16	-79.58	1.18	
1779.00	13.900	182.900	1747.29	271.75	-259.51	-80.74	0.11	
1868.00	13.800	182.600	1833.70	292.30	-280.79	-81.76	0.14	
1955.00	11.600	195.000	1918.59	311.03	-299.61	-84.50	4.01	
2044.00	8.800	202.600	2006.17	326.76	-314.54	-89.43	3.48	
2135.00	7.500	182.600	2096.27	339.43	-326.91	-92.38	3.40	
2223.00	5.000	194.600	2183.74	348.79	-336.36	-93.60	3.19	
2311.00	3.600	194.600	2271.50	355.37	-342.74	-95.27	1.59	
2399.00	2.200	195.600	2359.38	359.82	-347.04	-96.42	1.59	
2488.00	0.600	192.500	2448.35	361.99	-349.14	-96.98	1.80	
2576.00	0.600	195.700	2536.35	362.91	-350.04	-97.20	0.04	
2663.00	1.000	10.300	2623.34	362.61	-349.73	-97.19	1.84	
2751.00	1.000	0.100	2711.33	361.12	-348.20	-97.05	0.20	
2838.00	1.800	352.800	2798.30	359.16	-346.09	-97.22	0.94	
2927.00	1.500	351.400	2887.27	356.86	-343.55	-97.57	0.34	
3016.00	1.600	335.200	2976.23	354.91	-341.27	-98.27	0.50	
3106.00	1.500	321.500	3066.20	353.34	-339.21	-99.53	0.43	
3195.00	2.500	354.200	3155.15	350.93	-336.37	-100.45	1.66	
3283.00	2.300	342.900	3243.07	347.73	-332.77	-101.16	0.58	
3372.00	1.900	336.200	3332.01	345.17	-329.71	-102.28	0.53	
3461.00	2.000	18.800	3420.96	342.52	-326.89	-102.38	1.59	
3550.00	1.600	7.500	3509.92	339.75	-324.19	-101.71	0.60	
3640.00	1.500	3.700	3599.89	337.37	-321.77	-101.47	0.16	
3731.00	1.300	356.600	3690.86	335.26	-319.55	-101.46	0.29	
3820.00	1.600	24.100	3779.83	333.08	-317.41	-101.01	0.84	
3910.00	1.500	30.000	3869.80	330.68	-315.24	-99.91	0.21	



Actual Wellpath Report

WIEDEMAN 18-5 AWP

Page 3 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 WIEDEMAN 18-5 (1148'FNL & 1378'FWL)
Area	COLORADO	Well	WIEDEMAN 18-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 18-5 AWP
Facility	SEC.05-T5N-R66W		

WELLPATH DATA (84 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3999.00	1.700	31.400	3958.77	328.25	-313.10	-98.64	0.23	
4086.00	1.700	8.900	4045.73	325.72	-310.73	-97.77	0.76	
4175.00	1.800	358.000	4134.69	323.11	-308.03	-97.61	0.39	
4264.00	2.000	3.300	4223.64	320.29	-305.08	-97.57	0.30	
4354.00	2.200	27.600	4313.58	317.07	-301.98	-96.68	1.01	
4445.00	1.800	25.500	4404.52	313.93	-299.14	-95.26	0.45	
4534.00	1.500	12.800	4493.49	311.39	-296.75	-94.40	0.53	
4623.00	1.400	10.100	4582.46	309.15	-294.54	-93.95	0.14	
4711.00	1.000	354.200	4670.44	307.38	-292.72	-93.84	0.59	
4800.00	1.400	339.800	4759.42	305.82	-290.92	-94.29	0.56	
4887.00	1.000	9.600	4846.40	304.24	-289.18	-94.53	0.84	
4976.00	1.200	45.500	4935.39	302.64	-287.76	-93.74	0.79	
5067.00	1.800	57.100	5026.35	300.68	-286.31	-91.86	0.74	
5157.00	1.100	68.700	5116.33	299.04	-285.23	-89.86	0.84	
5245.00	0.700	70.800	5204.31	298.17	-284.75	-88.57	0.46	
5335.00	0.500	309.200	5294.31	297.70	-284.32	-88.36	1.17	
5423.00	1.300	108.400	5382.31	297.57	-284.39	-87.71	2.02	
5513.00	3.100	122.100	5472.24	298.16	-286.01	-84.67	2.07	
5603.00	2.600	121.100	5562.12	299.21	-288.36	-80.87	0.56	
5692.00	0.900	50.800	5651.09	299.07	-288.96	-78.59	2.75	
5782.00	1.100	25.800	5741.07	297.62	-287.73	-77.67	0.53	
5873.00	2.300	349.200	5832.03	295.16	-285.15	-77.63	1.72	
5962.00	3.800	323.900	5920.91	291.87	-281.01	-79.71	2.23	
6052.00	3.300	331.300	6010.74	288.35	-276.33	-82.71	0.75	
6140.00	1.100	16.300	6098.67	285.77	-273.30	-83.69	3.00	
6227.00	0.600	81.000	6185.66	284.73	-272.43	-83.00	1.15	
6316.00	0.400	346.400	6274.66	284.25	-272.05	-82.61	0.84	
6402.00	1.200	340.500	6360.65	283.29	-270.91	-82.99	0.93	
6493.00	1.900	339.400	6451.62	281.35	-268.60	-83.83	0.77	
6583.00	0.600	29.700	6541.60	279.73	-266.79	-84.13	1.76	
6673.00	0.900	108.400	6631.59	279.27	-266.61	-83.22	1.09	
6762.00	0.700	305.400	6720.59	279.11	-266.51	-83.00	1.78	
6853.00	0.800	339.400	6811.58	278.45	-265.60	-83.68	0.49	
6943.00	0.600	240.300	6901.58	278.31	-265.24	-84.31	1.19	
7030.00	0.900	260.300	6988.57	278.97	-265.58	-85.38	0.45	
7121.00	1.100	303.900	7079.56	279.06	-265.22	-86.81	0.84	
7209.00	0.800	300.400	7167.54	278.70	-264.44	-88.04	0.35	
7248.00	0.800	288.100	7206.54	278.64	-264.21	-88.53	0.44	LAST BHI MWD SURVEY
7298.00	0.800	288.100	7256.54	278.64	-264.00	-89.20	0.00	PROJETION TO BIT



Actual Wellpath Report

WIEDEMAN 18-5 AWP

Page 4 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 WIEDEMAN 18-5 (1148'FNL & 1378'FWL)
Area	COLORADO	Well	WIEDEMAN 18-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 18-5 AWB
Facility	SEC.05-T5N-R66W		

HOLE & CASING SECTIONS Ref Wellbore: WIEDEMAN 18-5 AWB Ref Wellpath: WIEDEMAN 18-5 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	827.00	811.00	16.00	822.79	0.00	0.00	-41.44	-45.61
8.625in Casing Surface	16.00	817.00	801.00	16.00	812.94	0.00	0.00	-40.13	-44.44
7.875in Open Hole	817.00	7298.00	6481.00	812.94	7256.54	-40.13	-44.44	-264.00	-89.20

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		1.00	76.14	-24.50	3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"W	polygon
WIEDEMAN 18-5 PAD SECTION LINES		1.00	76.14	-24.50	3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"W	polygon
WIEDEMAN 18-5 GEO TARGET 50' RADIUS (1400'FNL & 1320'FWL, REV-1)		6000.00	-253.56	-82.96	3192855.37	1401428.14	40°25'59.714"N	104°48'25.920"W	circle
WIEDEMAN 18-5 LEGAL BOX (470'S,330'N,408'E,392'W OF GEO TARGET)		6000.00	-323.56	-74.96	3192863.91	1401358.21	40°25'59.023"N	104°48'25.817"W	square

WELLPATH COMPOSITION Ref Wellbore: WIEDEMAN 18-5 AWB Ref Wellpath: WIEDEMAN 18-5 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
16.00	772.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <160-772>	WIEDEMAN 18-5 AWB
772.00	7248.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <893-7248>	WIEDEMAN 18-5 AWB
7248.00	7298.00	Blind Drilling (std)	Projection to bit	WIEDEMAN 18-5 AWB



Actual Wellpath Report

WIEDEMAN 18-5 AWP

Page 5 of 5



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 WIEDEMAN 18-5 (1148'FNL & 1378'FWL)
Area	COLORADO	Well	WIEDEMAN 18-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 18-5 AWB
Facility	SEC.05-T5N-R66W		

WELLPATH COMMENTS				
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7248.00	0.800	288.100	7206.54	LAST BHI MWD SURVEY
7298.00	0.800	288.100	7256.54	PROJETION TO BIT