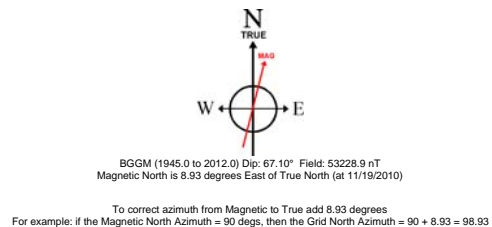
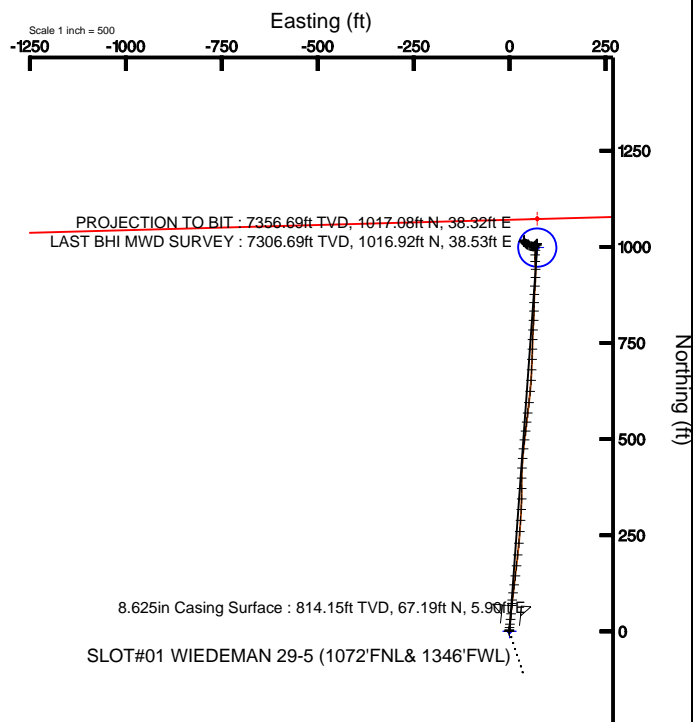
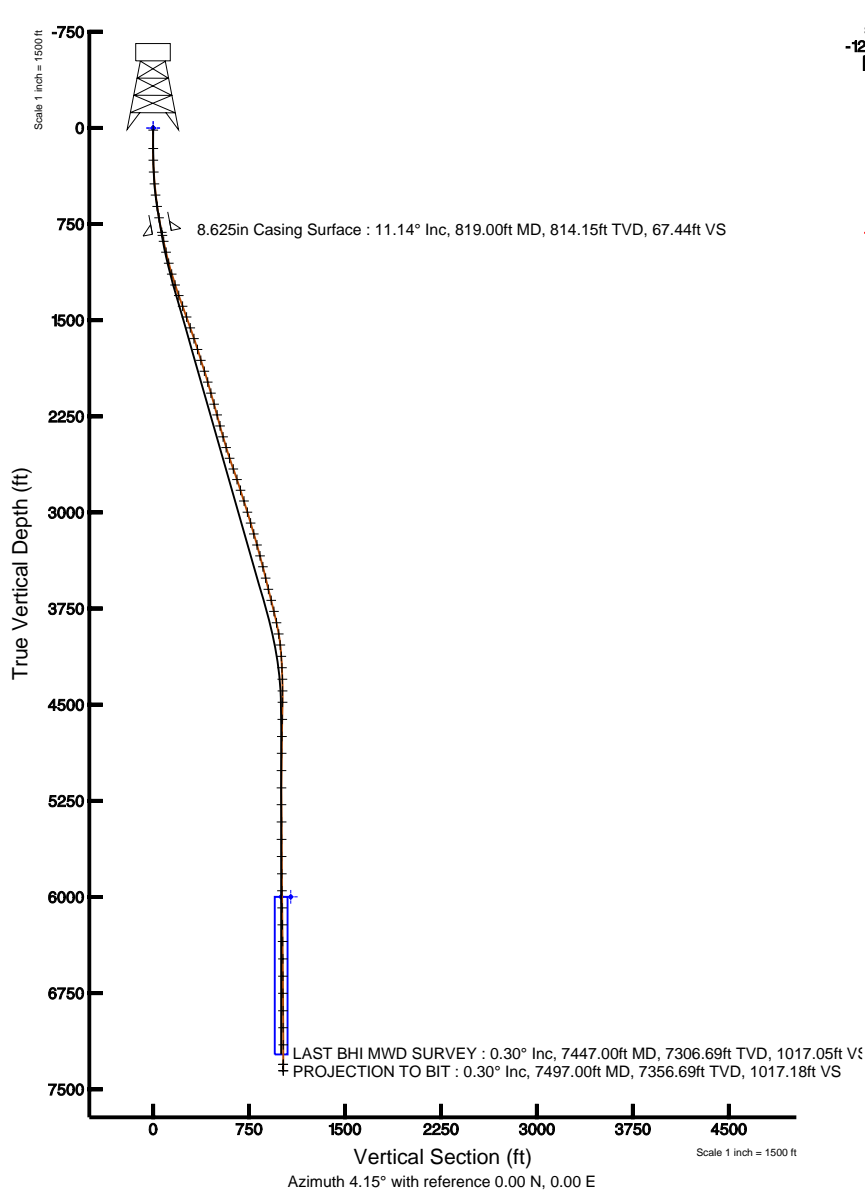


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#01 WIEDEMAN 29-5 (1072'FNL& 1346'FWL)  
 Field: WELD COUNTY (KERR MCGEE) Well: WIEDEMAN 29-5  
 Facility: SEC.05-T5N-R66W Wellbore: WIEDEMAN 29-5 PWB



Plot reference wellpath is WIEDEMAN 29-5 (REV.A.0) 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: cookdamm on 1/14/2011





# Actual Wellpath Report

WIEDEMAN 29-5 awp

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 WIEDEMAN 29-5 (1072'FNL& 1346'FWL)
Area	COLORADO	Well	WIEDEMAN 29-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 29-5 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 10:06:07 AM
Convergence at slot	0.45° East	Database/Source file	Denver Server/WIEDEMAN_29-5_awb.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	0.00	3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"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	4.15°



# Actual Wellpath Report

WIEDEMAN 29-5 awp

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 WIEDEMAN 29-5 (1072'FNL& 1346'FWL)
Area	COLORADO	Well	WIEDEMAN 29-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 29-5 awb
Facility	SEC.05-T5N-R66W		

## WELLPATH DATA (75 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	277.900	0.00	0.00	0.00	0.00	0.00	
16.00	0.000	277.900	16.00	0.00	0.00	0.00	0.00	
160.00	0.400	277.900	160.00	0.03	0.07	-0.50	0.28	
251.00	1.100	4.000	250.99	0.93	0.98	-0.75	1.26	
344.00	2.600	2.600	343.94	3.93	3.98	-0.59	1.61	
436.00	4.700	7.500	435.75	9.78	9.80	-0.01	2.31	
524.00	6.800	7.500	523.30	18.58	18.54	1.14	2.39	
614.00	8.900	7.200	612.45	30.85	30.74	2.71	2.33	
703.00	10.400	4.700	700.19	45.76	45.57	4.23	1.75	
844.00	11.300	4.000	838.67	72.30	72.04	6.24	0.65	
890.00	11.900	6.100	883.73	81.55	81.25	7.06	1.59	
978.00	13.000	7.500	969.66	100.50	100.09	9.31	1.30	
1066.00	14.600	7.900	1055.12	121.45	120.89	12.13	1.82	
1154.00	16.200	7.900	1139.95	144.76	144.03	15.34	1.82	
1243.00	18.500	5.600	1224.90	171.27	170.39	18.43	2.70	
1330.00	19.800	6.500	1307.08	199.79	198.76	21.44	1.53	
1419.00	20.100	5.100	1390.74	230.15	228.97	24.51	0.63	
1509.00	19.500	4.000	1475.42	260.63	259.36	26.93	0.78	
1598.00	18.900	3.700	1559.47	289.90	288.57	28.90	0.68	
1687.00	18.500	3.000	1643.77	318.43	317.05	30.57	0.52	
1776.00	17.400	1.600	1728.44	345.84	344.45	31.68	1.33	
1865.00	17.800	359.100	1813.28	372.69	371.36	31.83	0.96	
1954.00	17.800	1.000	1898.02	399.82	398.56	31.86	0.65	
2043.00	16.400	2.600	1983.08	425.97	424.72	32.67	1.66	
2133.00	16.000	4.700	2069.51	451.07	449.77	34.26	0.79	
2222.00	16.700	6.100	2154.91	476.12	474.71	36.62	0.90	
2309.00	14.800	6.100	2238.64	499.72	498.19	39.13	2.18	
2398.00	14.900	8.600	2324.67	522.49	520.81	42.05	0.73	
2487.00	15.600	5.000	2410.53	545.86	544.04	44.81	1.32	
2574.00	16.700	7.500	2494.10	570.04	568.09	47.46	1.50	
2662.00	18.900	6.800	2577.88	596.90	594.78	50.79	2.51	
2750.00	20.300	5.400	2660.78	626.40	624.13	53.92	1.68	
2837.00	18.400	3.700	2742.86	655.22	652.86	56.23	2.28	
2926.00	17.800	2.300	2827.46	682.86	680.47	57.68	0.83	
3014.00	17.700	2.300	2911.27	709.68	707.28	58.75	0.11	
3105.00	16.500	1.600	2998.25	736.41	734.02	59.67	1.34	
3193.00	16.400	1.200	3082.64	761.31	758.93	60.28	0.17	
3282.00	16.500	3.700	3168.00	786.49	784.11	61.36	0.80	
3371.00	16.000	3.300	3253.45	811.39	808.97	62.88	0.58	
3460.00	15.600	1.200	3339.09	835.61	833.18	63.84	0.78	
3548.00	13.500	0.500	3424.26	857.68	855.28	64.17	2.39	
3639.00	13.400	3.000	3512.76	878.82	876.43	64.82	0.65	
3729.00	14.300	4.400	3600.15	900.37	897.93	66.22	1.07	
3818.00	14.900	4.000	3686.27	922.80	920.30	67.86	0.68	
3907.00	13.300	357.300	3772.59	944.41	941.94	68.17	2.57	



# Actual Wellpath Report

WIEDEMAN 29-5 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 WIEDEMAN 29-5 (1072'FNL& 1346'FWL)
Area	COLORADO	Well	WIEDEMAN 29-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 29-5 awb
Facility	SEC.05-T5N-R66W		

WELLPATH DATA (75 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3998.00	12.200	355.900	3861.35	964.32	961.99	66.99	1.26	
4087.00	10.000	3.000	3948.68	981.35	979.09	66.73	2.91	
4174.00	6.000	6.100	4034.82	993.45	991.16	67.61	4.62	
4263.00	4.500	19.100	4123.45	1001.48	999.09	69.24	2.14	
4352.00	2.800	27.900	4212.26	1006.84	1004.31	71.40	2.01	
4442.00	1.500	353.100	4302.20	1010.01	1007.42	72.29	1.99	
4533.00	0.300	332.000	4393.19	1011.38	1008.81	72.03	1.35	
4621.00	0.800	246.200	4481.18	1011.29	1008.77	71.36	0.95	
4755.00	1.900	222.300	4615.15	1009.10	1006.75	69.01	0.90	
4888.00	1.100	213.200	4748.10	1006.25	1004.05	66.83	0.63	
5020.00	1.000	229.400	4880.08	1004.33	1002.24	65.26	0.24	
5155.00	0.800	245.900	5015.06	1003.06	1001.09	63.51	0.24	
5289.00	1.000	278.900	5149.05	1002.71	1000.89	61.50	0.41	
5421.00	1.200	286.700	5281.02	1003.11	1001.46	59.04	0.19	
5555.00	1.000	286.300	5415.00	1003.66	1002.19	56.57	0.15	
5691.00	1.500	272.300	5550.96	1003.85	1002.60	53.65	0.43	
5825.00	1.400	296.900	5684.92	1004.43	1003.41	50.44	0.47	
5960.00	1.800	295.500	5819.87	1005.84	1005.07	47.06	0.30	
6093.00	0.700	315.500	5952.84	1007.14	1006.55	44.60	0.88	
6226.00	1.000	308.100	6085.82	1008.32	1007.84	43.12	0.24	
6358.00	1.600	313.000	6217.79	1010.12	1009.81	40.86	0.46	
6488.00	1.700	314.100	6347.73	1012.50	1012.39	38.15	0.08	
6624.00	0.400	296.200	6483.71	1013.97	1014.00	36.28	0.97	
6759.00	0.600	84.200	6618.71	1014.27	1014.28	36.56	0.71	
6893.00	0.400	66.600	6752.70	1014.61	1014.54	37.68	0.19	
7029.00	0.400	66.200	6888.70	1015.05	1014.92	38.55	0.00	
7161.00	0.400	339.100	7020.69	1015.68	1015.53	38.81	0.42	
7295.00	0.300	16.000	7154.69	1016.45	1016.31	38.74	0.18	
7447.00	0.300	305.700	7306.69	1017.05	1016.92	38.53	0.23	LAST BHI MWD SURVEY
7497.00	0.300	305.700	7356.69	1017.18	1017.08	38.32	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: WIEDEMAN 29-5 awb Ref Wellpath: WIEDEMAN 29-5 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	829.00	813.00	16.00	823.96	0.00	0.00	69.12	6.03
8.625in Casing Surface	16.00	819.00	803.00	16.00	814.15	0.00	0.00	67.19	5.90
7.875in Open Hole	819.00	7497.00	6678.00	814.15	7356.69	67.19	5.90	1017.08	38.32



# Actual Wellpath Report

WIEDEMAN 29-5 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 WIEDEMAN 29-5 (1072'FNL& 1346'FWL)
Area	COLORADO	Well	WIEDEMAN 29-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 29-5 awb
Facility	SEC.05-T5N-R66W		

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	0.00	0.00	3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"W	polygon
WIEDEMAN 18-5 PAD SECTION LINES		0.00	0.00	0.00	3192911.25	1401758.28	40°26'02.972"N	104°48'25.164"W	polygon
WIEDEMAN 29-5 GEO TARGET 50' RADIUS (75'FNL & 1320'FWL, REV-1)		6000.00	998.22	72.38	3192975.82	1402756.99	40°26'12.836"N	104°48'24.228"W	circle
WIEDEMAN 29-5 HARDLINE 75'N OF GEO TARGET		6000.00	1073.22	72.38	3192975.23	1402831.99	40°26'13.578"N	104°48'24.228"W	point

WELLPATH COMPOSITION					Ref Wellbore: WIEDEMAN 29-5 awb	Ref Wellpath: WIEDEMAN 29-5 awp
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
16.00	844.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <160-844>		WIEDEMAN 29-5 awb	
844.00	7447.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <890-7447>		WIEDEMAN 29-5 awb	
7447.00	7497.00	Blind Drilling (std)	Projection to bit		WIEDEMAN 29-5 awb	



# Actual Wellpath Report

WIEDEMAN 29-5 awp

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 WIEDEMAN 29-5 (1072'FNL& 1346'FWL)
Area	COLORADO	Well	WIEDEMAN 29-5
Field	WELD COUNTY (KERR MCGEE)	Wellbore	WIEDEMAN 29-5 awb
Facility	SEC.05-T5N-R66W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7447.00	0.300	305.700	7306.69	LAST BHI MWD SURVEY
7497.00	0.300	305.700	7356.69	PROJECTION TO BIT