

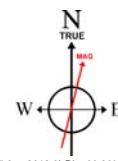
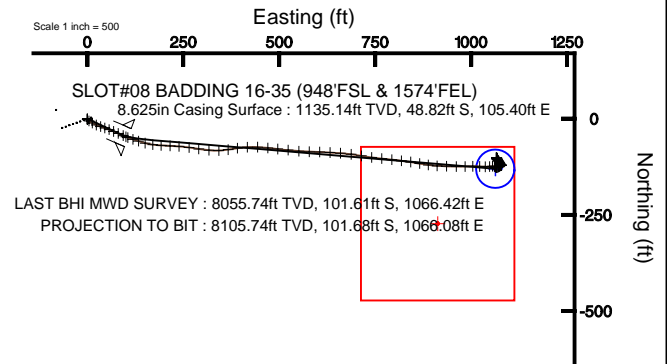
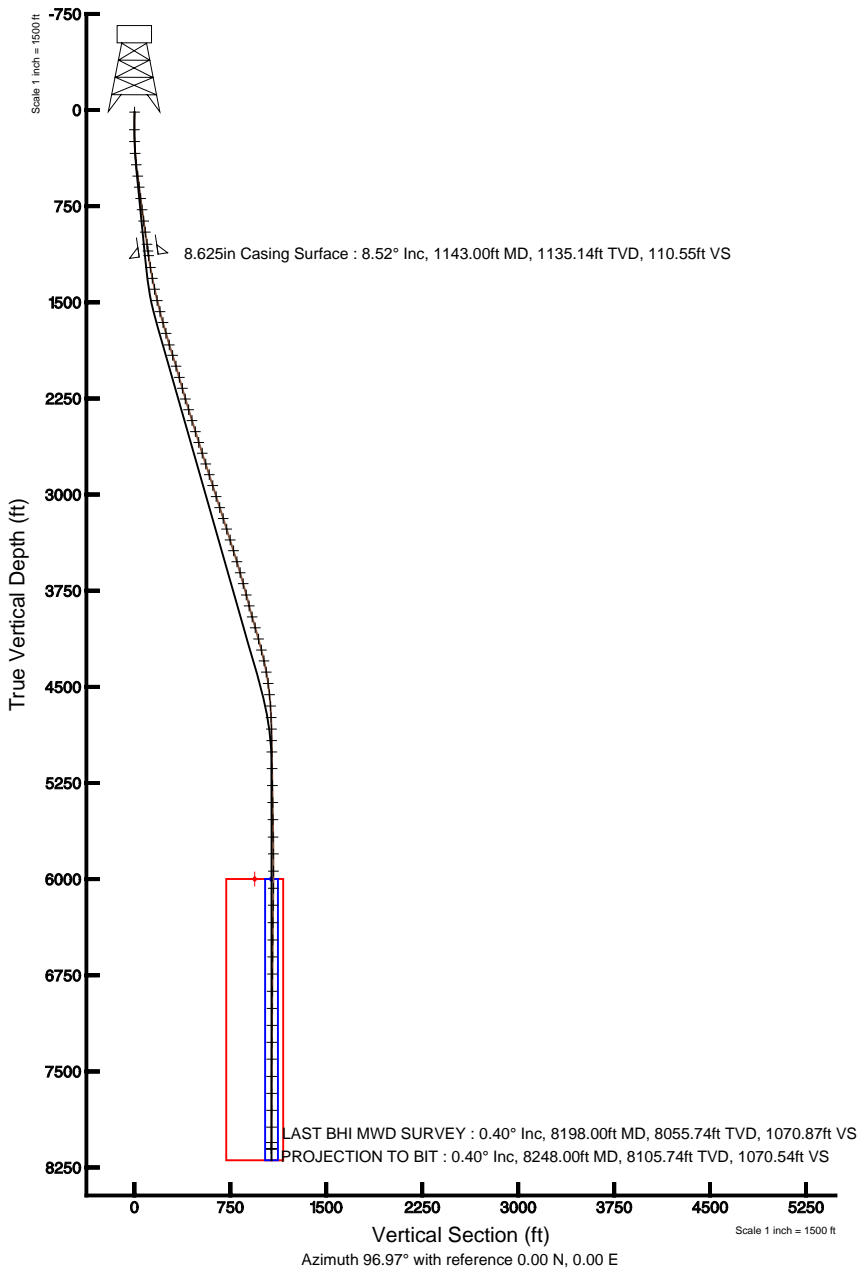


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: BADDING 16-35
 Facility: SEC.35-T2N-R66W Wellbore: BADDING 16-35 PWB



Plot reference wellbore is BADDING 16-35 (REV 8.1) PWP	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
True vertical depths are referenced to XTREME 15 (RXB)	North Reference: True north
Measured depths are referenced to XTREME 15 (RXB)	Scale: True distance
XTREME 15 (RXB) to Mean Sea Level: 5100 feet	Depths are in feet
Mean Sea Level to Mud line (At Slot: SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL)): 0 feet	Coordinates are in feet referenced to Slot
	Created by: cookdam on 6/29/2011



BGGM (1945.0 to 2012.0) Dip: 66.83° Field: 53013 nT
 Magnetic North is 8.82 degrees East of True North (at 3/16/2011)

To correct azimuth from Magnetic to True add 8.82 degrees
 For example: if the Magnetic North Azimuth = 90 degs, then the True North Azimuth = 90 + 8.82 = 98.82



Actual Wellpath Report

BADDING 16-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL)
Area	COLORADO	Well	BADDING 16-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35 AWB
Facility	SEC.35-T2N-R66W		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.0
North Reference	True	User	Cookdannm
Scale	0.999961	Report Generated	6/28/2011 at 9:46:07 AM
Convergence at slot	0.49° East	Database/Source file	WA_DENVER/BADDING_16-35_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	23.68	66.03	3212502.88	1276528.61	40°05'23.870"N	104°44'25.678"W
Facility Reference Pt			3212437.05	1276504.37	40°05'23.636"N	104°44'26.527"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 15 (RKB) to Facility Vertical Datum	5100.00ft
Horizontal Reference Pt	Slot	XTREME 15 (RKB) to Mean Sea Level	5100.00ft
Vertical Reference Pt	XTREME 15 (RKB)	XTREME 15 (RKB) to Mud Line at Slot (SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL))	5100.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	96.97°



Actual Wellpath Report

BADDING 16-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL)
Area	COLORADO	Well	BADDING 16-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35 AWB
Facility	SEC.35-T2N-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	226.800	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	226.800	15.00	0.00	0.00	0.00	0.00	
152.00	0.800	226.800	152.00	-0.61	-0.65	-0.70	0.58	
245.00	1.800	143.500	244.98	-0.02	-2.27	-0.30	2.02	
338.00	5.200	122.700	337.79	4.78	-5.73	4.12	3.84	
427.00	7.600	121.000	426.23	13.79	-10.94	12.56	2.70	
516.00	7.900	111.500	514.42	25.09	-16.21	23.29	1.48	
603.00	7.600	108.300	600.63	36.52	-20.21	34.32	0.60	
692.00	7.300	109.000	688.88	47.82	-23.90	45.25	0.35	
781.00	8.100	111.500	777.07	59.42	-28.03	56.43	0.97	
870.00	8.500	113.600	865.14	71.79	-32.97	68.29	0.56	
958.00	8.600	113.200	952.16	84.34	-38.16	80.30	0.13	
1053.00	8.500	113.900	1046.11	97.87	-43.80	93.25	0.15	
1107.00	8.300	112.200	1099.53	105.45	-46.89	100.50	0.59	
1236.00	9.100	107.600	1227.04	124.46	-53.50	118.85	0.82	
1323.00	11.100	108.300	1312.69	139.44	-58.21	133.36	2.30	
1410.00	12.600	105.100	1397.84	157.05	-63.31	150.47	1.88	
1500.00	13.600	97.400	1485.50	177.35	-67.23	170.45	2.23	
1589.00	14.900	93.200	1571.76	199.23	-69.22	192.25	1.87	
1678.00	15.600	92.800	1657.63	222.58	-70.44	215.63	0.80	
1765.00	15.600	94.600	1741.42	245.94	-71.95	238.97	0.56	
1859.00	16.600	97.100	1831.74	272.00	-74.62	264.89	1.29	
1944.00	18.500	99.500	1912.78	297.61	-78.35	290.25	2.39	
2033.00	16.700	95.300	1997.61	324.50	-81.86	316.91	2.47	
2124.00	16.400	87.900	2084.85	350.26	-82.60	342.77	2.34	
2213.00	15.400	81.200	2170.45	374.04	-80.33	367.01	2.35	
2300.00	17.200	80.500	2253.95	397.50	-76.44	391.11	2.08	
2387.00	17.500	87.900	2337.00	422.75	-73.84	416.87	2.56	
2476.00	17.300	91.800	2421.93	449.15	-73.76	443.47	1.33	
2567.00	17.000	97.400	2508.89	475.93	-75.90	470.19	1.84	
2655.00	17.500	94.900	2592.94	502.01	-78.69	496.13	1.02	
2743.00	18.500	96.300	2676.63	529.20	-81.35	523.19	1.24	
2832.00	18.400	95.600	2761.05	557.36	-84.27	551.21	0.27	
2920.00	17.700	91.100	2844.73	584.55	-85.88	578.40	1.77	
3009.00	17.900	91.400	2929.47	611.62	-86.48	605.60	0.25	
3099.00	17.100	94.600	3015.30	638.61	-87.88	632.62	1.39	
3189.00	18.000	92.800	3101.11	665.70	-89.62	659.70	1.17	
3279.00	18.100	98.800	3186.69	693.55	-92.43	687.41	2.07	
3366.00	18.100	98.800	3269.39	720.56	-96.57	714.12	0.00	
3455.00	17.700	98.100	3354.08	747.91	-100.59	741.18	0.51	
3543.00	17.200	94.900	3438.03	774.28	-103.59	767.38	1.23	
3633.00	16.700	97.800	3524.12	800.51	-106.48	793.45	1.09	
3722.00	16.400	94.600	3609.44	825.85	-109.22	818.65	1.08	
3811.00	15.300	101.300	3695.06	850.12	-112.53	842.69	2.40	
3902.00	15.000	97.800	3782.90	873.87	-116.48	866.13	1.06	



Actual Wellpath Report

BADDING 16-35 AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL)
Area	COLORADO	Well	BADDING 16-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35 AWB
Facility	SEC.35-T2N-R66W		

WELLPATH DATA (83 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3991.00	14.700	100.900	3868.93	896.65	-120.18	888.63	0.95	
4080.00	15.600	91.400	3954.84	919.83	-122.61	911.69	2.96	
4168.00	16.700	92.500	4039.37	944.21	-123.45	936.15	1.30	
4259.00	15.800	91.100	4126.73	969.57	-124.26	961.60	1.08	
4348.00	14.100	88.600	4212.72	992.35	-124.22	984.55	2.04	
4435.00	12.500	88.300	4297.38	1012.14	-123.69	1004.56	1.84	
4525.00	10.800	94.600	4385.53	1030.20	-124.07	1022.70	2.36	
4614.00	8.000	91.100	4473.33	1044.69	-124.86	1037.21	3.21	
4703.00	6.300	81.600	4561.63	1055.56	-124.27	1048.23	2.32	
4792.00	3.800	90.000	4650.28	1063.20	-123.55	1056.01	2.92	
4882.00	2.500	105.100	4740.15	1068.10	-124.06	1060.89	1.70	
4972.00	1.100	128.700	4830.10	1070.78	-125.12	1063.46	1.73	
5061.00	1.000	120.600	4919.09	1072.22	-126.05	1064.79	0.20	
5150.00	0.700	120.300	5008.08	1073.43	-126.72	1065.93	0.34	
5280.00	1.100	84.400	5138.06	1075.38	-126.99	1067.86	0.52	
5413.00	1.600	60.800	5271.03	1078.12	-125.96	1070.75	0.55	
5545.00	1.100	70.000	5402.99	1080.74	-124.63	1073.55	0.41	
5678.00	1.400	29.900	5535.96	1082.51	-122.79	1075.56	0.68	
5814.00	0.700	78.100	5671.94	1083.94	-121.17	1077.20	0.79	
5946.00	0.700	109.000	5803.93	1085.50	-121.27	1078.75	0.28	
6080.00	0.200	4.900	5937.92	1086.29	-121.30	1079.55	0.58	
6214.00	0.400	310.800	6071.92	1085.89	-120.77	1079.21	0.24	
6347.00	0.900	315.400	6204.91	1084.69	-119.72	1078.13	0.38	
6482.00	1.000	325.200	6339.90	1083.07	-118.00	1076.71	0.14	
6617.00	1.000	331.900	6474.87	1081.61	-115.99	1075.48	0.09	
6750.00	1.200	321.000	6607.85	1079.94	-113.88	1074.06	0.22	
6883.00	1.100	341.700	6740.82	1078.40	-111.59	1072.78	0.32	
7018.00	1.100	323.800	6875.80	1076.96	-109.31	1071.61	0.25	
7152.00	0.900	299.900	7009.78	1075.11	-107.75	1069.94	0.34	
7284.00	0.600	333.700	7141.77	1073.77	-106.61	1068.73	0.40	
7417.00	0.400	338.600	7274.76	1073.17	-105.56	1068.26	0.15	
7548.00	0.500	289.000	7405.76	1072.39	-104.95	1067.55	0.30	
7683.00	0.400	19.700	7540.76	1071.92	-104.31	1067.15	0.48	
7815.00	0.300	343.000	7672.76	1071.88	-103.55	1067.21	0.18	
7947.00	0.700	21.100	7804.75	1071.94	-102.46	1067.39	0.38	
8078.00	0.400	283.000	7935.75	1071.68	-101.61	1067.24	0.65	
8198.00	0.400	257.700	8055.74	1070.87	-101.61	1066.42	0.15	LAST BHI MWD SURVEY
8248.00	0.400	257.700	8105.74	1070.54	-101.68	1066.08	0.00	PROJECTION TO BIT



Actual Wellpath Report

BADDING 16-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL)
Area	COLORADO	Well	BADDING 16-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35 AWB
Facility	SEC.35-T2N-R66W		

HOLE & CASING SECTIONS - Ref Wellbore: BADDING 16-35 AWB Ref Wellpath: BADDING 16-35 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	15.00	1157.00	1142.00	15.00	1148.98	0.00	0.00	-49.56	107.35
8.625in Casing Surface	15.00	1143.00	1128.00	15.00	1135.14	0.00	0.00	-48.82	105.40
7.875in Open Hole	1143.00	8248.00	7105.00	1135.14	8105.74	-48.82	105.40	-101.68	1066.08

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BADDING 16-35 GEO TARGET 50' RADIUS (810'FSL & 511'FEL, REV-2)		6000.00	-130.03	1063.07	3213566.98	1276407.70	40°05'22.585"N	104°44'12.000"W	circle
BADDING 16-35 LEGAL BOX (57'N,343'S,50'E,350'W OF GEO TARGET)		6000.00	-273.03	913.07	3213418.21	1276263.42	40°05'21.172"N	104°44'13.930"W	square
BADDING 16-35 BHL ON PLAT (810'FSL & 510'FEL, REV-1)		6000.00	-130.03	1064.07	3213567.98	1276407.70	40°05'22.585"N	104°44'11.987"W	point

WELLPATH COMPOSITION - Ref Wellbore: BADDING 16-35 AWB Ref Wellpath: BADDING 16-35 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	958.00	NaviTrak (Standard)	BHI MWD SURVEYS <152-958>	BADDING 16-35 AWB
958.00	8198.00	NaviTrak (Standard)	BHI MWD SURVEY 7.875 HOLE <1053-8198>	BADDING 16-35 AWB
8198.00	8248.00	Blind Drilling (std)	Projection to bit	BADDING 16-35 AWB



Actual Wellpath Report

BADDING 16-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#08 BADDING 16-35 (948'FSL & 1574'FEL)
Area	COLORADO	Well	BADDING 16-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35 AWB
Facility	SEC.35-T2N-R66W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8198.00	0.400	257.700	8055.74	LAST BHI MWD SURVEY
8248.00	0.400	257.700	8105.74	PROJECTION TO BIT