

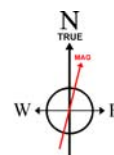
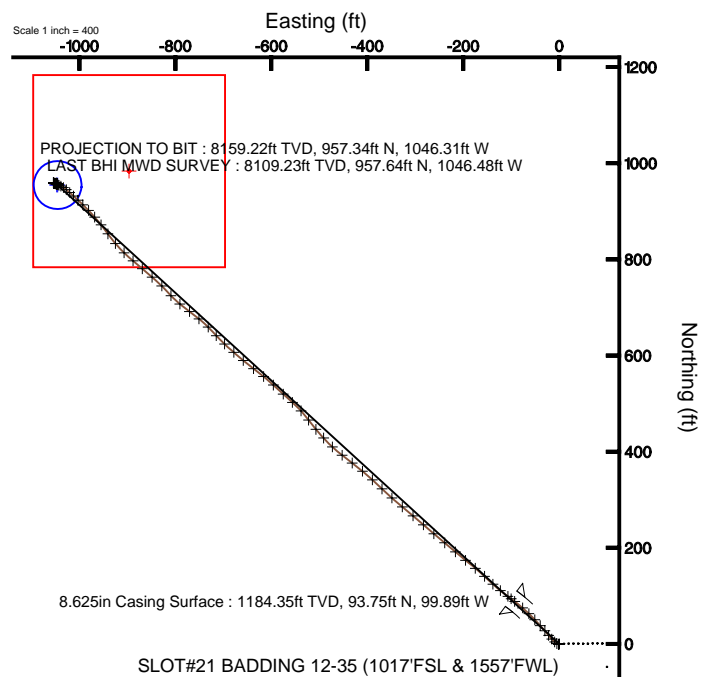
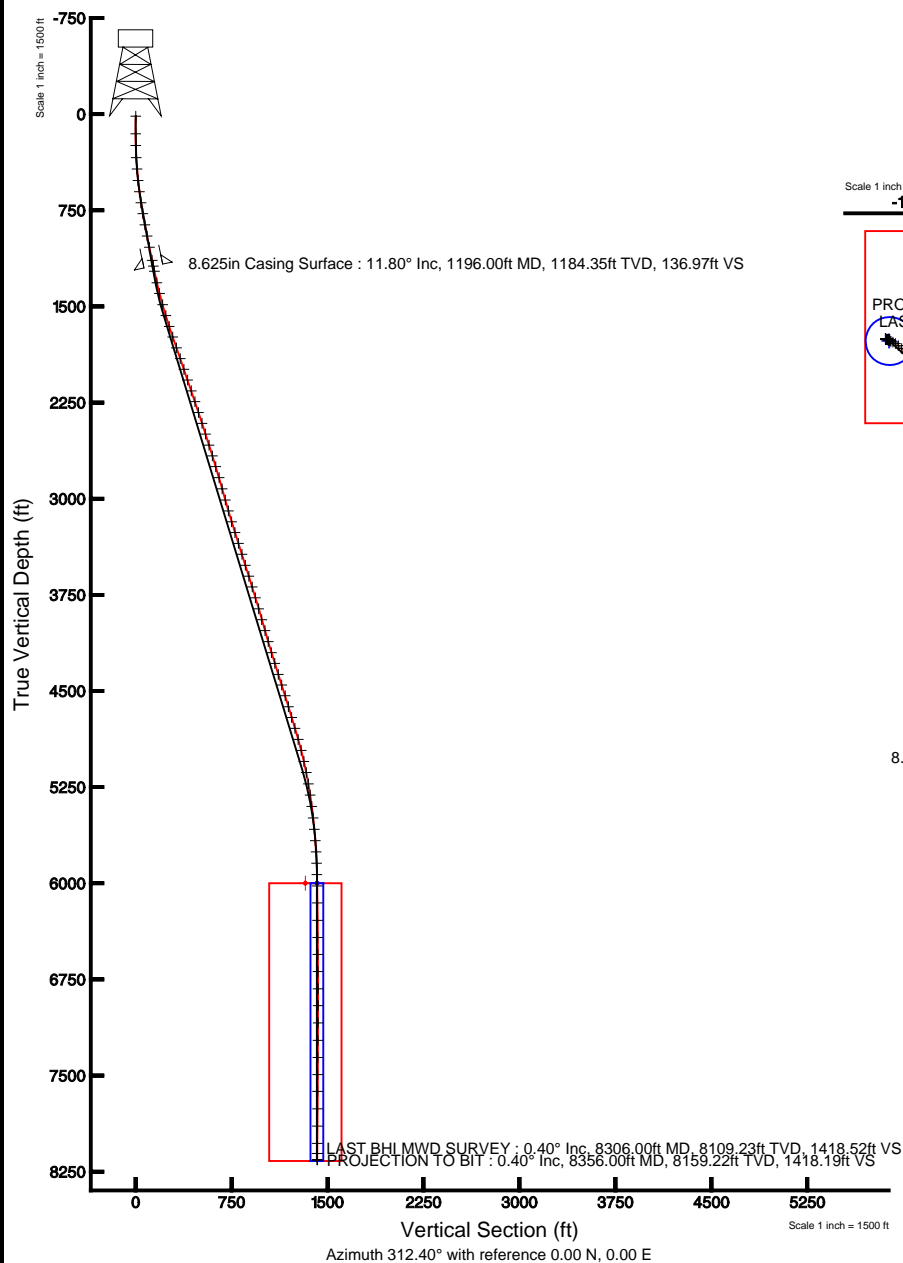


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#21 BADDING 12-35 (1017FSL & 1557FWL)
Field: WELD COUNTY (KERR MCGEE) Well: BADDING 12-35
Facility: SEC.35-T2N-R66W Wellbore: BADDING 12-35 PWB



Plot reference wellpath is BADDING 12-35 (REV-8.0) PWP	
True vertical depths are referenced to XTREME 15 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (801), US feet
Measured depths are referenced to XTREME 15 (RKB)	North Reference: True north
XTREME 15 (RKB) to Mean Sea Level 5123 feet	Scale: True distance
Mean Sea Level to Mud line (at Slot: SLOT#21 BADDING 12-35 (1017FSL & 1557FWL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: ccsdarm on 6/22/2011



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 12-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 BADDING 12-35 (1017'FSL & 1557'FWL)
Area	COLORADO	Well	BADDING 12-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 12-35 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	Cookdanm
Scale	0.999961	Report Generated	6/22/2011 at 6:29:01 PM
Convergence at slot	0.49° East	Database/Source file	WA_DENVER/BADDING_12-35_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	75.13	-2088.67	3210347.90	1276561.61	40°05'24.378"N	104°44'53.401"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	5123.00ft
Horizontal Reference Pt	Slot	XTREME 15 (RKB) to Mean Sea Level	5123.00ft
Vertical Reference Pt	XTREME 15 (RKB)	XTREME 15 (RKB) to Mud Line at Slot (SLOT#21 BADDING 12-35 (1017'FSL & 1557'FWL))	5123.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	312.40°



Actual Wellpath Report

BADDING 12-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 BADDING 12-35 (1017'FSL & 1557'FWL)
Area	COLORADO	Well	BADDING 12-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 12-35 AWB
Facility	SEC.35-T2N-R66W		

WELLPATH DATA (88 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	178.600	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	178.600	15.00	0.00	0.00	0.00	0.00	
152.00	0.800	178.600	152.00	-0.66	-0.96	0.02	0.58	
244.00	1.500	285.500	243.98	-0.03	-1.28	-1.12	2.06	
339.00	3.100	300.000	338.90	3.59	0.34	-4.54	1.78	
427.00	4.600	312.200	426.71	9.44	3.90	-9.22	1.93	
517.00	6.100	316.400	516.31	17.82	9.79	-15.19	1.72	
605.00	7.200	322.400	603.72	27.91	17.54	-21.78	1.48	
693.00	8.900	317.800	690.85	40.12	26.96	-29.72	2.06	
779.00	10.500	317.800	775.62	54.55	37.69	-39.45	1.86	
868.00	11.300	317.800	863.01	71.30	50.16	-50.76	0.90	
957.00	11.400	313.600	950.27	88.78	62.68	-62.98	0.94	
1046.00	11.700	311.200	1037.47	106.59	74.69	-76.14	0.64	
1151.00	11.700	307.600	1140.29	127.85	88.20	-92.59	0.70	
1237.00	11.900	306.200	1224.47	145.35	98.76	-106.65	0.41	
1329.00	12.900	308.000	1314.33	165.02	110.68	-122.40	1.17	
1415.00	14.600	312.900	1397.86	185.43	123.97	-137.91	2.39	
1506.00	16.200	313.300	1485.59	209.60	140.49	-155.55	1.76	
1595.00	16.900	309.100	1570.91	234.93	157.16	-174.62	1.56	
1684.00	17.600	308.700	1655.90	261.27	173.73	-195.16	0.80	
1771.00	19.200	311.200	1738.45	288.70	191.38	-216.19	2.05	
1860.00	19.200	308.700	1822.50	317.93	210.17	-238.63	0.92	
1949.00	19.200	310.800	1906.55	347.17	228.88	-261.13	0.78	
2038.00	18.600	310.500	1990.76	375.98	247.67	-283.00	0.68	
2126.00	19.200	311.200	2074.01	404.48	266.31	-304.56	0.73	
2215.00	18.900	308.700	2158.14	433.49	284.96	-326.82	0.98	
2304.00	18.700	311.900	2242.39	462.15	303.51	-348.69	1.18	
2393.00	17.800	313.600	2326.91	490.01	322.42	-369.16	1.17	
2482.00	18.200	312.200	2411.56	517.51	341.13	-389.31	0.66	
2570.00	18.000	309.800	2495.21	544.84	359.07	-409.93	0.88	
2661.00	17.300	307.300	2581.92	572.36	376.27	-431.50	1.13	
2749.00	17.700	307.600	2665.85	598.73	392.36	-452.51	0.47	
2837.00	17.600	313.600	2749.71	625.36	409.70	-472.74	2.07	
2927.00	16.000	317.800	2835.87	651.31	428.27	-490.93	2.23	
3017.00	15.100	318.500	2922.58	675.32	446.24	-507.03	1.02	
3108.00	16.500	324.200	3010.14	699.76	465.60	-522.44	2.30	
3196.00	16.300	317.500	3094.57	724.29	484.84	-538.10	2.16	
3285.00	16.500	311.500	3179.96	749.37	502.43	-556.00	1.92	
3373.00	17.800	312.200	3264.04	775.32	519.74	-575.33	1.50	
3462.00	18.500	312.900	3348.61	803.04	538.49	-595.75	0.82	
3551.00	17.100	308.600	3433.35	830.22	556.27	-616.32	2.16	
3641.00	17.200	307.600	3519.35	856.68	572.64	-637.20	0.35	
3731.00	18.000	309.400	3605.14	883.83	589.59	-658.49	1.07	
3818.00	17.100	311.900	3688.09	910.05	606.67	-678.40	1.35	
3907.00	16.600	311.900	3773.27	935.84	623.89	-697.60	0.56	



Actual Wellpath Report

BADDING 12-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 BADDING 12-35 (1017'FSL & 1557'FWL)
Area	COLORADO	Well	BADDING 12-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 12-35 AWB
Facility	SEC.35-T2N-R66W		

WELLPATH DATA (88 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3996.00	15.400	318.200	3858.83	960.32	641.20	-714.94	2.37	
4085.00	16.800	315.700	3944.33	984.91	659.21	-731.81	1.76	
4174.00	16.600	307.600	4029.59	1010.43	676.18	-750.86	2.62	
4263.00	16.300	307.300	4114.95	1035.54	691.50	-770.87	0.35	
4353.00	16.400	308.700	4201.31	1060.79	707.10	-790.83	0.45	
4440.00	17.800	317.800	4284.48	1086.30	724.63	-809.36	3.47	
4531.00	17.800	314.700	4371.12	1114.04	744.72	-828.59	1.04	
4618.00	18.600	309.800	4453.77	1141.19	762.96	-848.70	1.98	
4706.00	17.200	311.900	4537.51	1168.22	780.63	-869.17	1.75	
4795.00	15.900	309.400	4622.83	1193.56	797.16	-888.38	1.67	
4883.00	17.400	313.600	4707.14	1218.75	813.89	-907.23	2.18	
4972.00	16.900	320.000	4792.19	1244.88	832.97	-925.18	2.19	
5062.00	16.200	324.500	4878.46	1270.13	853.22	-940.88	1.62	
5151.00	14.600	321.000	4964.26	1293.36	872.04	-955.15	2.08	
5239.00	12.800	319.600	5049.76	1314.00	888.09	-968.45	2.08	
5328.00	11.700	315.000	5136.73	1332.79	901.98	-981.22	1.65	
5418.00	9.700	314.000	5225.16	1349.49	913.70	-993.13	2.23	
5506.00	8.600	313.300	5312.04	1363.48	923.36	-1003.25	1.26	
5596.00	7.600	311.900	5401.14	1376.16	931.95	-1012.58	1.13	
5686.00	6.300	312.200	5490.48	1387.05	939.24	-1020.67	1.45	
5776.00	5.400	307.600	5580.01	1396.21	945.14	-1027.68	1.13	
5865.00	4.300	304.100	5668.69	1403.68	949.57	-1033.76	1.28	
5952.00	3.600	294.300	5755.48	1409.51	952.52	-1038.95	1.12	
6041.00	2.000	290.000	5844.38	1413.60	954.20	-1042.96	1.81	
6130.00	1.400	298.500	5933.34	1416.09	955.25	-1045.37	0.73	
6219.00	1.200	290.800	6022.31	1418.01	956.10	-1047.20	0.30	
6351.00	0.200	316.800	6154.30	1419.53	956.76	-1048.65	0.78	
6487.00	0.800	292.200	6290.30	1420.66	957.29	-1049.69	0.46	
6620.00	1.000	270.200	6423.28	1422.39	957.65	-1051.71	0.30	
6753.00	0.400	328.700	6556.27	1423.69	958.05	-1053.11	0.65	
6887.00	0.400	314.700	6690.27	1424.61	958.78	-1053.69	0.07	
7021.00	0.300	330.100	6824.26	1425.41	959.41	-1054.20	0.10	
7152.00	0.200	320.700	6955.26	1425.96	959.88	-1054.51	0.08	
7287.00	0.400	134.700	7090.26	1425.72	959.74	-1054.33	0.44	
7423.00	0.500	126.900	7226.26	1424.66	959.05	-1053.51	0.09	
7557.00	0.400	102.000	7360.25	1423.67	958.60	-1052.59	0.16	
7690.00	0.600	98.500	7493.25	1422.70	958.40	-1051.45	0.15	
7822.00	0.600	73.500	7625.24	1421.77	958.49	-1050.10	0.20	
7958.00	0.500	84.400	7761.24	1421.00	958.75	-1048.83	0.11	
8092.00	0.400	119.900	7895.23	1420.15	958.58	-1047.84	0.22	
8227.00	0.500	119.200	8030.23	1419.12	958.05	-1046.92	0.07	
8306.00	0.400	150.900	8109.23	1418.52	957.64	-1046.48	0.33	LAST BHI MWD SURVEY
8356.00	0.400	150.900	8159.22	1418.19	957.34	-1046.31	0.00	PROJECTION TO BIT



Actual Wellpath Report

BADDING 12-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 BADDING 12-35 (1017'FSL & 1557'FWL)
Area	COLORADO	Well	BADDING 12-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 12-35 AWB
Facility	SEC.35-T2N-R66W		

HOLE & CASING SECTIONS - Ref Wellbore: BADDING 12-35 AWB Ref Wellpath: BADDING 12-35 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	1206.00	1191.00	15.00	1194.13	0.00	0.00	94.97	-101.53
8.625in Casing Surface	15.00	1196.00	1181.00	15.00	1184.35	0.00	0.00	93.75	-99.89
7.875in Open Hole	1196.00	8356.00	7160.00	1184.35	8159.22	93.75	-99.89	957.34	-1046.31

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BADDING 12-35 LEGAL BOX (171'S,229'N,50'W,350'E OF GEO TARGET)		6000.00	983.83	-896.79	3209442.84	1277537.76	40°05'34.100"N	104°45'04.940"W	square
BADDING 12-35 BHL ON PLAT (1980'FSL & 510'FWL, REV-1)		6000.00	954.83	-1047.79	3209292.10	1277507.49	40°05'33.814"N	104°45'06.883"W	point
BADDING 12-35 GEO TARGET 50' RADIUS (1980'FSL & 511'FWL, REV-2)		6000.00	954.83	-1045.79	3209294.10	1277507.50	40°05'33.814"N	104°45'06.857"W	circle

WELLPATH COMPOSITION - Ref Wellbore: BADDING 12-35 AWB Ref Wellpath: BADDING 12-35 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	1151.00	NaviTrak (Standard)	BHI MWD 12.24 HOLE <152-1151>	BADDING 12-35 AWB
1151.00	8306.00	NaviTrak (Standard)	BHI MWD 7.875 HOLE <1237-8306>	BADDING 12-35 AWB
8306.00	8356.00	Blind Drilling (std)	Projection to bit	BADDING 12-35 AWB



Actual Wellpath Report

BADDING 12-35 AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#21 BADDING 12-35 (1017'FSL & 1557'FWL)
Area	COLORADO	Well	BADDING 12-35
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 12-35 AWB
Facility	SEC.35-T2N-R66W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8306.00	0.400	150.900	8109.23	LAST BHI MWD SURVEY
8356.00	0.400	150.900	8159.22	PROJECTION TO BIT