

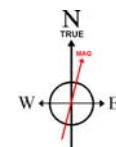
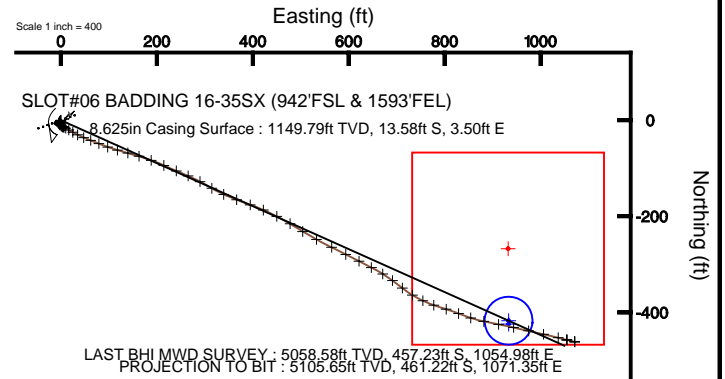
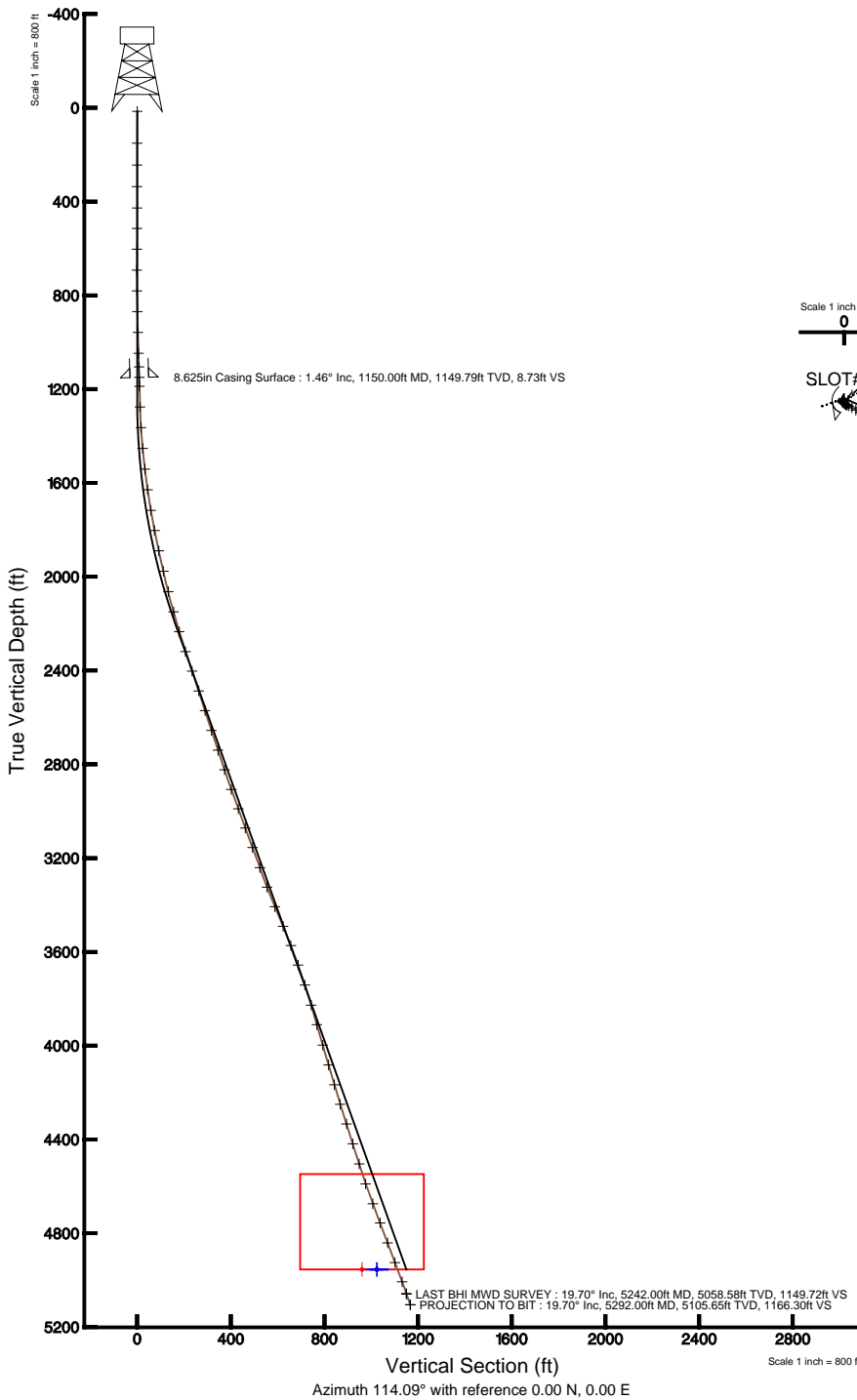


KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#06 BADDING 16-35SX (942'FSL & 1593'FEL)
 Field: WELD COUNTY (KERR MCGEE) Well: BADDING 16-35SX
 Facility: SEC.35-T2N-R66W Wellbore: BADDING 16-35SX PWB



Prior reference wellpath is BADDING 16-35SX (REV.8.0) PWP	
True vertical depths are referenced to XTREME 15 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 15 (RKB)	North Reference: True north
XTREME 15 (RKB) to Mean Sea Level: 5100 feet	Scale: True distance
Mean Sea Level to Mud line (at Slot: SLOT#06 BADDING 16-35SX (942'FSL & 1593'FEL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cloodstern on 6/28/2011



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 16-35SX AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 BADDING 16-35SX (942'FSL & 1593'FEL)
Area	COLORADO	Well	BADDING 16-35SX
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35SX 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 10:15:01 AM
Convergence at slot	0.49° East	Database/Source file	WA_DENVER/BADDING_16-35SX_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	16.76	47.01	3212483.91	1276521.53	40°05'23.802"N	104°44'25.922"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#06 BADDING 16-35SX (942'FSL & 1593'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	114.09°



Actual Wellpath Report

BADDING 16-35SX AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 BADDING 16-35SX (942'FSL & 1593'FEL)
Area	COLORADO	Well	BADDING 16-35SX
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35SX AWB
Facility	SEC.35-T2N-R66W		

WELLPATH DATA (62 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	227.800	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	227.800	15.00	0.00	0.00	0.00	0.00	
151.00	0.800	227.800	151.00	-0.38	-0.64	-0.70	0.59	
244.00	1.000	215.200	243.98	-0.80	-1.74	-1.65	0.30	
336.00	0.500	190.900	335.98	-0.86	-2.79	-2.19	0.63	
427.00	0.600	197.600	426.97	-0.72	-3.63	-2.41	0.13	
514.00	0.600	214.800	513.97	-0.75	-4.44	-2.81	0.21	
603.00	0.800	239.100	602.96	-1.19	-5.14	-3.61	0.40	
692.00	0.500	235.900	691.95	-1.76	-5.68	-4.46	0.34	
781.00	1.200	158.600	780.95	-1.30	-6.76	-4.44	1.34	
869.00	1.400	144.500	868.92	0.29	-8.50	-3.48	0.43	
958.00	1.700	125.900	957.89	2.52	-10.16	-1.78	0.65	
1047.00	2.100	120.300	1046.84	5.43	-11.75	0.70	0.49	
1105.00	1.900	123.800	1104.81	7.44	-12.82	2.41	0.40	
1188.00	1.100	129.700	1187.78	9.56	-14.10	4.17	0.98	
1276.00	1.800	98.100	1275.75	11.70	-14.83	6.19	1.18	
1364.00	3.700	119.900	1363.65	15.86	-16.44	10.02	2.43	
1453.00	5.800	121.700	1452.34	23.17	-20.24	16.33	2.37	
1542.00	6.600	118.800	1540.82	32.73	-25.06	24.64	0.97	
1631.00	8.200	116.700	1629.07	44.17	-30.38	34.79	1.82	
1720.00	9.700	113.200	1716.99	58.00	-36.19	47.36	1.79	
1807.00	11.200	109.700	1802.54	73.76	-41.92	62.05	1.87	
1896.00	12.600	113.200	1889.63	92.08	-48.66	79.11	1.77	
1985.00	13.000	109.400	1976.42	111.77	-55.81	97.47	1.05	
2075.00	14.200	105.500	2063.90	132.77	-62.12	117.66	1.68	
2164.00	15.400	105.100	2149.94	155.24	-68.12	139.59	1.35	
2252.00	16.500	107.600	2234.55	179.20	-74.94	162.78	1.47	
2341.00	18.400	109.700	2319.45	205.76	-83.50	188.06	2.25	
2429.00	19.300	113.900	2402.74	234.15	-94.07	214.43	1.85	
2518.00	18.100	112.900	2487.04	262.68	-105.41	240.61	1.40	
2606.00	17.400	113.200	2570.85	289.51	-115.92	265.30	0.80	
2695.00	18.400	117.800	2655.54	316.83	-127.71	289.96	1.94	
2784.00	18.800	121.000	2739.90	345.09	-141.65	314.68	1.23	
2872.00	18.000	113.600	2823.41	372.76	-154.40	339.30	2.80	
2961.00	20.300	111.500	2907.48	401.94	-165.56	366.27	2.70	
3049.00	19.800	109.400	2990.15	432.05	-176.11	394.53	1.00	
3136.00	20.000	113.600	3071.96	461.61	-186.96	422.06	1.66	
3225.00	20.700	116.400	3155.40	492.55	-200.05	450.10	1.35	
3316.00	20.000	121.700	3240.73	524.05	-215.38	477.75	2.17	
3405.00	20.600	122.000	3324.20	554.64	-231.67	503.97	0.68	
3495.00	22.800	117.800	3407.82	587.73	-248.20	532.83	2.99	
3586.00	23.000	116.400	3491.65	623.09	-264.32	564.35	0.64	
3674.00	21.300	117.400	3573.15	656.23	-279.33	593.94	1.98	
3763.00	19.300	117.100	3656.62	687.06	-293.47	621.39	2.25	
3853.00	18.500	117.100	3741.77	716.17	-306.75	647.34	0.89	



Actual Wellpath Report

BADDING 16-35SX AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 BADDING 16-35SX (942'FSL & 1593'FEL)
Area	COLORADO	Well	BADDING 16-35SX
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35SX AWB
Facility	SEC.35-T2N-R66W		

WELLPATH DATA (62 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3943.00	16.500	122.100	3827.60	743.09	-320.04	670.88	2.78	
4030.00	16.300	125.900	3911.07	767.27	-333.77	691.24	1.25	
4121.00	16.800	128.700	3998.30	792.50	-349.48	711.85	1.03	
4209.00	17.100	121.000	4082.49	817.65	-364.10	732.87	2.57	
4297.00	15.500	115.300	4166.95	842.26	-375.79	754.59	2.57	
4384.00	17.500	109.000	4250.37	866.91	-385.02	777.47	3.08	
4472.00	18.400	107.200	4334.09	893.88	-393.43	803.25	1.20	
4561.00	17.400	111.100	4418.78	921.12	-402.37	829.09	1.75	
4651.00	17.600	108.700	4504.62	948.10	-411.58	854.53	0.83	
4741.00	18.800	101.600	4590.12	975.81	-418.86	881.63	2.80	
4831.00	22.100	101.300	4674.44	1006.49	-425.10	912.44	3.67	
4919.00	20.700	101.600	4756.37	1037.82	-431.47	943.91	1.60	
5010.00	20.700	103.700	4841.50	1069.34	-438.51	975.29	0.82	
5100.00	20.900	102.700	4925.63	1100.72	-445.81	1006.41	0.45	
5188.00	20.700	103.400	5007.90	1131.39	-452.86	1036.85	0.36	
5242.00	19.700	103.700	5058.58	1149.72	-457.23	1054.98	1.86	LAST BHI MWD SURVEY
5292.00	19.700	103.700	5105.65	1166.30	-461.22	1071.35	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS - Ref Wellbore: BADDING 16-35SX AWB Ref Wellpath: BADDING 16-35SX 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	1160.00	1145.00	15.00	1159.79	0.00	0.00	-13.73	3.69
8.625in Casing Surface	15.00	1150.00	1135.00	15.00	1149.79	0.00	0.00	-13.58	3.50
7.875in Open Hole	1150.00	5292.00	4142.00	1149.79	5105.65	-13.58	3.50	-461.22	1071.35



Actual Wellpath Report

BADDING 16-35SX AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 BADDING 16-35SX (942'FSL & 1593'FEL)
Area	COLORADO	Well	BADDING 16-35SX
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35SX AWB
Facility	SEC.35-T2N-R66W		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BADDING 16-35SX BHL ON PLAT (510'FSL & 660'FEL, REV-1)		4955.00	-424.38	933.41	3213420.89	1276105.17	40°05'19.608"N	104°44'13.913"W	point
BADDING 16-35SX GEO TARGET 50' RADIUS (517'FSL & 660'FEL, REV-2)		4955.00	-417.38	933.41	3213420.83	1276112.17	40°05'19.677"N	104°44'13.913"W	circle
BADDING 16-35SX LEGAL BOX (50'S,350'N,199'E,201'W OF GEO TARGET)		4955.00	-267.38	932.41	3213418.54	1276262.15	40°05'21.160"N	104°44'13.926"W	square

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

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	1105.00	NaviTrak (Standard)	BHI MWD SURVEY 12.25 <151-1105>	BADDING 16-35SX AWB
1105.00	5242.00	NaviTrak (Standard)	BHI MWD 7.875 HOLE <1188-5242>	BADDING 16-35SX AWB
5242.00	5292.00	Blind Drilling (std)	Projection to bit	BADDING 16-35SX AWB



Actual Wellpath Report

BADDING 16-35SX AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#06 BADDING 16-35SX (942'FSL & 1593'FEL)
Area	COLORADO	Well	BADDING 16-35SX
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BADDING 16-35SX AWB
Facility	SEC.35-T2N-R66W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
5242.00	19.700	103.700	5058.58	LAST BHI MWD SURVEY
5292.00	19.700	103.700	5105.65	PROJECTION TO BIT