

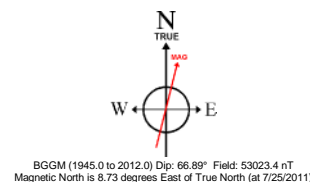
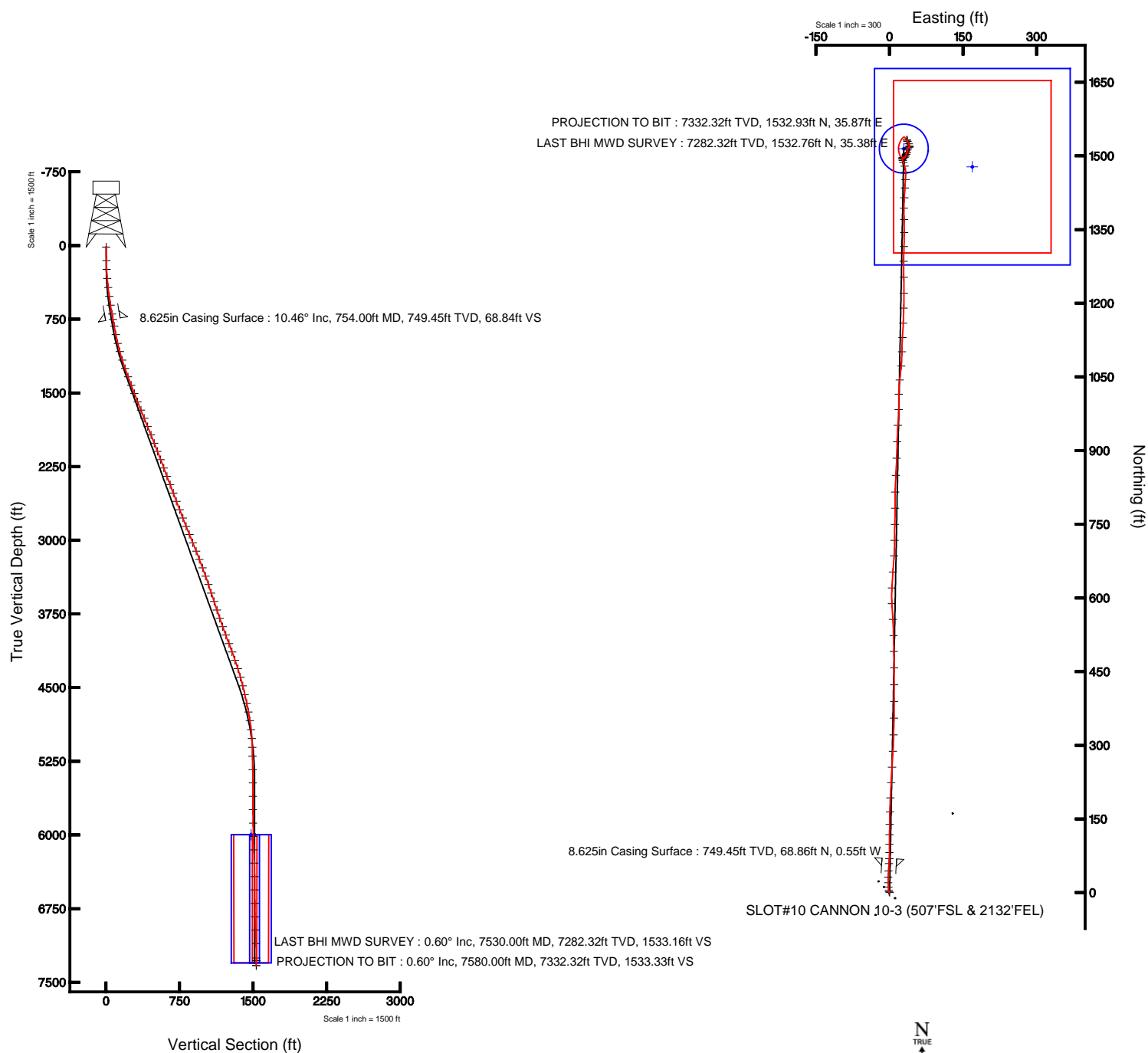


KERR MCGEE OIL & GAS ONSHORE LP



Location: COLORADO Slot: SLOT#10 CANNON 10-3 (507'FSL & 2132'FEL)
Field: WELD COUNTY (KERR MCGEE) Well: CANNON 10-3
Facility: SEC.03-T2N-R65W Wellbore: CANNON 10-3 PWB

Plot reference wellpath is CANNON 10-3 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 12 (RKB)	Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet
Measured depths are referenced to XTREME 12 (RKB)	North Reference: True north
XTREME 12 (RKB) to Mean Sea Level: 4868 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: SLOT#10 CANNON 10-3 (507'FSL & 2132'FEL)): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: doddanna on 9/12/2011



To correct azimuth from Magnetic to True add 8.73 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the True North Azimuth = 90 + 8.73 = 98.73



Actual Wellpath Report

CANNON 10-3_AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 CANNON 10-3 (507'FSL & 2132'FEL)
Area	COLORADO	Well	CANNON 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CANNON 10-3_AWB
Facility	SEC.03-T2N-R65W		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.0
North Reference	True	User	Doddanna
Scale	0.999958	Report Generated	9/12/2011 at 10:56:25 AM
Convergence at slot	0.55° East	Database/Source file	WA_Denver/CANNON_10-3_AWB.xml

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-3053.82	-534.93	3238104.68	1302962.06	40°09'42.790"N	104°38'53.005"W
Facility Reference Pt			3238610.16	1306020.75	40°10'12.968"N	104°38'46.115"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 12 (RKB) to Facility Vertical Datum	4868.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RKB) to Mean Sea Level	4868.00ft
Vertical Reference Pt	XTREME 12 (RKB)	XTREME 12 (RKB) to Mud Line at Slot (SLOT#10 CANNON 10-3 (507'FSL & 2132'FEL))	4868.00ft
MD Reference Pt	XTREME 12 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	1.10°



Actual Wellpath Report

CANNON 10-3_AWB

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 CANNON 10-3 (507'FSL & 2132'FEL)
Area	COLORADO	Well	CANNON 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CANNON 10-3_AWB
Facility	SEC.03-T2N-R65W		

WELLPATH DATA (78 stations) † = interpolated/extrapolated station								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	317.800	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	317.800	15.00	0.00	0.00	0.00	0.00	
150.00	1.300	317.800	149.99	1.11	1.13	-1.03	0.96	
242.00	3.000	354.300	241.92	4.26	4.30	-1.97	2.29	
334.00	4.800	358.200	333.71	10.50	10.55	-2.33	1.98	
426.00	6.600	357.800	425.25	19.62	19.68	-2.65	1.96	
518.00	7.700	1.400	516.53	31.07	31.12	-2.71	1.29	
609.00	8.500	3.400	606.62	43.88	43.93	-2.16	0.93	
699.00	10.600	4.200	695.37	58.80	58.83	-1.16	2.34	
823.00	10.300	0.700	817.32	81.27	81.29	-0.19	0.57	
914.00	11.300	358.200	906.70	98.31	98.33	-0.37	1.21	
1004.00	13.400	2.100	994.62	117.55	117.57	-0.26	2.51	
1089.00	15.100	359.600	1077.00	138.46	138.49	0.02	2.13	
1180.00	17.400	2.400	1164.36	163.92	163.94	0.51	2.67	
1271.00	19.500	2.100	1250.68	192.71	192.71	1.64	2.31	
1361.00	20.500	3.500	1335.25	223.48	223.46	3.15	1.23	
1452.00	20.500	3.100	1420.49	255.32	255.27	4.98	0.15	
1543.00	21.200	3.500	1505.53	287.69	287.61	6.85	0.78	
1634.00	21.600	1.400	1590.25	320.87	320.78	8.26	0.95	
1725.00	22.300	1.000	1674.66	354.89	354.78	8.97	0.79	
1815.00	22.100	360.000	1757.99	388.89	388.79	9.27	0.48	
1906.00	22.200	0.300	1842.27	423.20	423.10	9.36	0.17	
1997.00	21.700	359.600	1926.67	457.21	457.11	9.33	0.62	
2088.00	21.500	358.500	2011.28	490.68	490.60	8.78	0.50	
2178.00	21.400	358.900	2095.05	523.57	523.51	8.03	0.20	
2269.00	20.800	356.400	2179.95	556.26	556.23	6.70	1.19	
2360.00	20.400	356.800	2265.13	588.18	588.19	4.80	0.47	
2451.00	20.700	3.100	2350.35	620.07	620.09	4.78	2.45	
2542.00	21.500	3.800	2435.25	652.80	652.79	6.76	0.92	
2633.00	20.700	4.200	2520.15	685.52	685.47	9.04	0.89	
2723.00	20.400	359.300	2604.43	717.08	717.02	10.02	1.94	
2814.00	21.900	2.400	2689.30	749.90	749.84	10.53	2.06	
2905.00	20.200	359.600	2774.22	782.58	782.51	11.13	2.17	
2996.00	22.100	1.400	2859.09	815.41	815.34	11.44	2.21	
3086.00	22.900	3.100	2942.24	849.84	849.75	12.80	1.15	
3177.00	21.900	2.100	3026.37	884.50	884.39	14.38	1.18	
3268.00	21.600	1.400	3110.89	918.22	918.09	15.41	0.44	
3359.00	21.100	4.200	3195.65	951.33	951.17	17.02	1.25	
3450.00	20.400	1.000	3280.75	983.54	983.37	18.50	1.46	
3541.00	20.000	0.300	3366.15	1014.96	1014.79	18.86	0.51	
3631.00	18.000	7.300	3451.26	1044.18	1043.98	20.71	3.37	
3722.00	18.500	5.200	3537.68	1072.56	1072.30	23.80	0.91	
3813.00	18.500	360.000	3623.98	1101.40	1101.12	25.11	1.81	
3904.00	18.900	4.200	3710.18	1130.55	1130.26	26.19	1.54	
3994.00	19.500	2.400	3795.18	1160.13	1159.80	27.88	0.94	



Actual Wellpath Report

CANNON 10-3_AWB

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 CANNON 10-3 (507'FSL & 2132'FEL)
Area	COLORADO	Well	CANNON 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CANNON 10-3_AWB
Facility	SEC.03-T2N-R65W		

WELLPATH DATA (78 stations)								
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4085.00	19.400	1.700	3880.99	1190.42	1190.09	28.97	0.28	
4176.00	20.100	359.600	3966.63	1221.17	1220.83	29.31	1.10	
4267.00	21.400	359.300	4051.73	1253.39	1253.07	29.00	1.43	
4358.00	20.200	0.300	4136.80	1285.70	1285.38	28.88	1.38	
4448.00	18.800	1.700	4221.63	1315.74	1315.42	29.39	1.64	
4539.00	17.800	360.000	4308.03	1344.31	1343.98	29.82	1.25	
4630.00	16.100	358.900	4395.07	1370.82	1370.51	29.58	1.90	
4721.00	13.800	0.300	4482.99	1394.29	1393.98	29.39	2.56	
4812.00	13.200	3.100	4571.47	1415.52	1415.21	30.01	0.97	
4902.00	12.000	4.100	4659.30	1435.14	1434.80	31.24	1.36	
4993.00	10.000	4.200	4748.63	1452.48	1452.12	32.49	2.20	
5084.00	8.900	356.400	4838.40	1467.38	1467.03	32.63	1.85	
5175.00	7.000	345.900	4928.52	1479.75	1479.43	30.84	2.62	
5266.00	3.400	327.300	5019.14	1487.35	1487.08	28.03	4.32	
5356.00	2.100	1.000	5109.04	1491.21	1490.98	26.61	2.25	
5447.00	1.000	344.500	5200.00	1493.64	1493.41	26.43	1.29	
5584.00	1.300	344.800	5336.98	1496.28	1496.06	25.70	0.22	
5720.00	1.200	113.200	5472.96	1497.23	1496.99	26.61	1.66	
5856.00	0.800	78.400	5608.94	1496.90	1496.62	28.85	0.52	
5992.00	1.100	57.300	5744.92	1497.83	1497.52	30.88	0.34	
6128.00	1.500	24.600	5880.89	1500.19	1499.84	32.72	0.61	
6264.00	1.700	17.900	6016.84	1503.76	1503.38	34.08	0.20	
6401.00	1.900	20.700	6153.77	1507.84	1507.44	35.50	0.16	
6537.00	2.300	5.200	6289.68	1512.69	1512.26	36.55	0.51	
6673.00	1.400	39.700	6425.61	1516.71	1516.26	37.86	1.02	
6809.00	0.700	80.100	6561.59	1518.16	1517.68	39.74	0.72	
6945.00	0.400	21.800	6697.58	1518.77	1518.26	40.73	0.44	
7082.00	1.400	346.100	6834.56	1520.83	1520.33	40.51	0.80	
7218.00	2.600	340.200	6970.48	1525.32	1524.85	39.06	0.89	
7355.00	2.200	324.800	7107.36	1530.34	1529.92	36.49	0.55	
7503.00	0.400	39.000	7255.32	1533.04	1532.64	35.18	1.44	
7530.00	0.600	71.700	7282.32	1533.16	1532.76	35.38	1.26	LAST BHI MWD SURVEY
7580.00	0.600	71.700	7332.32	1533.33	1532.93	35.87	0.00	PROJECTION TO BIT



Actual Wellpath Report

CANNON 10-3_AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#10 CANNON 10-3 (507'FSL & 2132'FEL)
Area	COLORADO	Well	CANNON 10-3
Field	WELD COUNTY (KERR MCGEE)	Wellbore	CANNON 10-3_AWB
Facility	SEC.03-T2N-R65W		

HOLE & CASING SECTIONS - Ref Wellbore: CANNON 10-3_AWB Ref Wellpath: CANNON 10-3_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	754.00	739.00	15.00	749.45	0.00	0.00	68.86	-0.55
8.625in Casing Surface	15.00	754.00	739.00	15.00	749.45	0.00	0.00	68.86	-0.55
7.875in Open Hole	754.00	7580.00	6826.00	749.45	7332.32	68.86	-0.55	1532.93	35.87

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
CANNON 10-3 GEO TARGET 50' RADIUS (2022'FSL & 2118'FEL, REV-1)		6000.00	1515.07	29.04	3238119.15	1304477.27	40°09'57.762"N	104°38'52.631"W	circle
CANNON 10-3 LEGAL BOX (163°N,237°S,340°E,60°W OF GEO TARGET)		6000.00	1478.07	169.05	3238259.51	1304441.62	40°09'57.396"N	104°38'50.827"W	square

WELLPATH COMPOSITION - Ref Wellbore: CANNON 10-3_AWB Ref Wellpath: CANNON 10-3_AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	699.00	NaviTrak (Standard)	BHI MWD NAVITRAK 12.25 <150-699>	CANNON 10-3_AWB
699.00	7530.00	NaviTrak (Standard)	BHI MWD NAVITRAK 7.875 <823-7530>	CANNON 10-3_AWB
7530.00	7580.00	Blind Drilling (std)	Projection to bit	CANNON 10-3_AWB