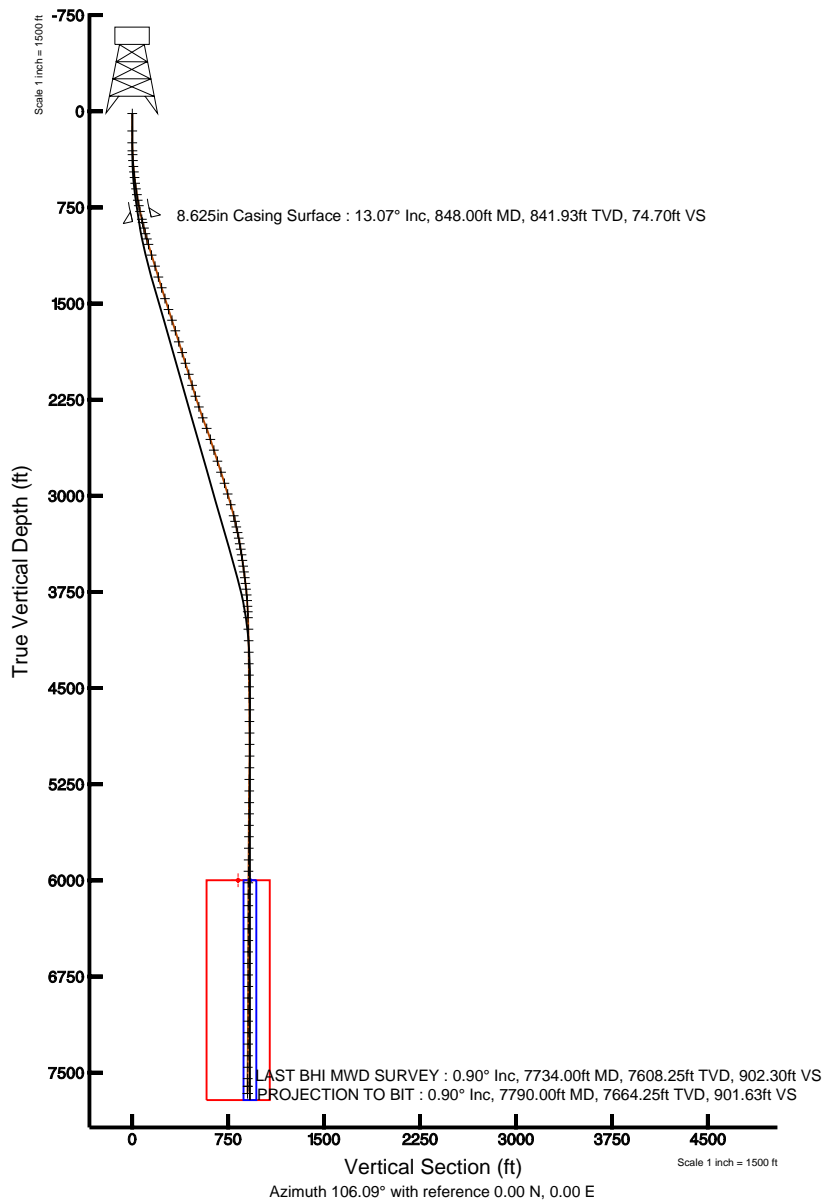
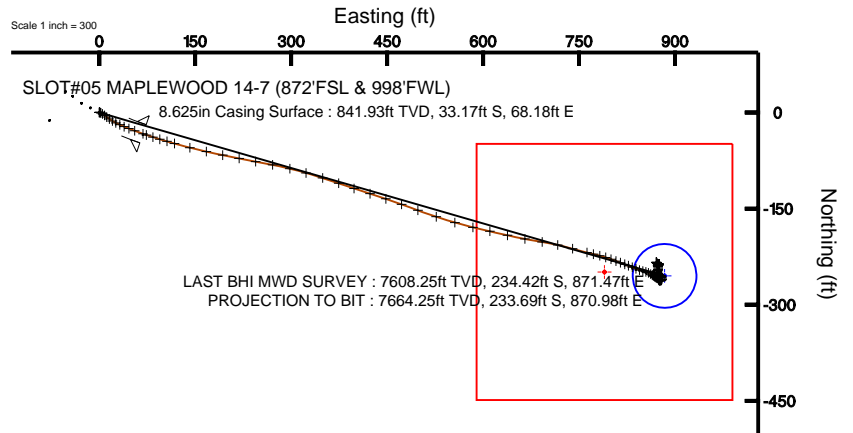


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#05 MAPLEWOOD 14-7 (872'FSL & 998'FWL)  
 Field: WELD COUNTY (KERR MCGEE) Well: MAPLEWOOD 14-7  
 Facility: SEC.07-T4N-R67W Wellbore: MAPLEWOOD 14-7 PWB



Plot reference wellpath is MAPLEWOOD 14-7 (REV-A.0) PWP	
True vertical depths are referenced to XTREME 8 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 8 (RKB)	North Reference: True north
XTREME 8 (RKB) to Mean Sea Level: 4865 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.07-T4N-R67W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdarn on 1/12/2011



N  
TRUE  
MAG  
W E

BGGM (1945.0 to 2012.0) Dip: 66.99° Field: 53164 nT  
 Magnetic North is 9.00 degrees East of True North (at 10/25/2010)

To correct azimuth from Magnetic to True add 9.00 degrees  
 For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 9.00 = 99.00



# Actual Wellpath Report

MAPLEWOOD 14-7 AWP

Page 1 of 6



INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 MAPLEWOOD 14-7 (872'FSL & 998'FWL)
Area	COLORADO	Well	MAPLEWOOD 14-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 14-7 AWB
Facility	SEC.07-T4N-R67W		

## 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	0.999958	Report Generated	1/12/2011 at 11:25:26 PM
Convergence at slot	0.36° East	Database/Source file	Denver Server/MAPLEWOOD_14-7_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-32.79	52.98	3156648.53	1361137.15	40°19'24.096"N	104°56'17.448"W
Facility Reference Pt			3156595.35	1361169.60	40°19'24.420"N	104°56'18.132"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 8 (RKB) to Facility Vertical Datum	4865.00ft
Horizontal Reference Pt	Slot	XTREME 8 (RKB) to Mean Sea Level	4865.00ft
Vertical Reference Pt	XTREME 8 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 8 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	106.09°



# Actual Wellpath Report

MAPLEWOOD 14-7 AWP

Page 2 of 6



INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 MAPLEWOOD 14-7 (872'FSL & 998'FWL)
Area	COLORADO	Well	MAPLEWOOD 14-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 14-7 AWB
Facility	SEC.07-T4N-R67W		

## WELLPATH DATA (106 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	344.400	0.00	0.00	0.00	0.00	0.00	
17.00	0.000	344.400	17.00	0.00	0.00	0.00	0.00	
152.00	0.300	344.400	152.00	-0.19	0.34	-0.10	0.22	
245.00	0.500	83.500	245.00	0.06	0.62	0.24	0.67	
307.00	1.900	119.400	306.98	1.31	0.15	1.41	2.46	
338.00	2.900	124.000	337.96	2.56	-0.54	2.50	3.28	
384.00	4.200	124.300	383.87	5.26	-2.14	4.86	2.83	
430.00	5.500	126.100	429.70	8.94	-4.39	8.03	2.85	
473.00	6.100	127.500	472.48	13.00	-7.00	11.51	1.43	
517.00	7.000	125.700	516.19	17.70	-9.98	15.54	2.10	
562.00	7.600	120.800	560.83	23.16	-13.11	20.33	1.92	
606.00	8.300	117.600	604.41	29.09	-16.07	25.64	1.88	
651.00	9.200	113.800	648.88	35.84	-19.03	31.81	2.38	
696.00	10.100	112.400	693.24	43.32	-21.98	38.75	2.07	
739.00	11.400	111.700	735.49	51.30	-24.99	46.18	3.04	
785.00	12.500	110.600	780.49	60.79	-28.42	55.07	2.44	
873.00	13.300	108.800	866.27	80.39	-35.04	73.57	1.02	
918.00	14.100	107.800	909.99	91.04	-38.38	83.68	1.85	
963.00	15.100	106.700	953.54	102.38	-41.74	94.52	2.31	
1007.00	15.700	105.000	995.96	114.07	-44.93	105.76	1.71	
1051.00	16.300	107.100	1038.25	126.19	-48.28	117.41	1.89	
1138.00	17.100	103.600	1121.58	151.18	-54.88	141.51	1.48	
1228.00	17.100	102.900	1207.61	177.61	-60.95	167.27	0.23	
1317.00	17.200	101.500	1292.65	203.79	-66.49	192.92	0.48	
1405.00	17.300	101.500	1376.69	229.80	-71.69	218.49	0.11	
1493.00	17.500	99.700	1460.66	256.00	-76.53	244.36	0.65	
1582.00	17.900	101.800	1545.45	282.93	-81.58	270.94	0.85	
1671.00	18.200	103.200	1630.07	310.45	-87.55	297.86	0.59	
1757.00	17.300	106.700	1711.98	336.65	-94.30	323.18	1.62	
1847.00	17.700	107.100	1797.81	363.72	-102.16	349.07	0.46	
1935.00	17.400	108.800	1881.72	390.23	-110.34	374.32	0.67	
2022.00	16.500	109.200	1964.94	415.56	-118.59	398.30	1.04	
2113.00	17.000	106.700	2052.08	441.77	-126.67	423.25	0.96	
2202.00	17.000	109.200	2137.19	467.77	-134.68	447.99	0.82	
2291.00	17.100	109.600	2222.28	493.82	-143.35	472.61	0.17	
2379.00	18.900	110.300	2305.97	520.95	-152.64	498.16	2.06	
2469.00	20.400	108.500	2390.73	551.16	-162.67	526.71	1.80	
2558.00	19.900	106.400	2474.28	581.81	-171.87	555.95	0.99	
2648.00	17.900	103.200	2559.42	610.94	-179.36	584.12	2.50	
2736.00	18.100	102.200	2643.12	638.09	-185.33	610.64	0.42	
2827.00	18.100	103.600	2729.62	666.31	-191.64	638.20	0.48	
2917.00	17.900	100.100	2815.21	694.04	-197.36	665.41	1.22	
3008.00	17.100	99.700	2902.00	721.24	-202.06	692.36	0.89	
3095.00	16.100	102.200	2985.37	745.99	-206.77	716.76	1.41	
3182.00	15.800	106.000	3069.03	769.87	-212.58	739.94	1.25	



# Actual Wellpath Report

MAPLEWOOD 14-7 AWP

Page 3 of 6



INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 MAPLEWOOD 14-7 (872'FSL & 998'FWL)
Area	COLORADO	Well	MAPLEWOOD 14-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 14-7 AWB
Facility	SEC.07-T4N-R67W		

## WELLPATH DATA (106 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
3272.00	14.200	103.600	3155.96	793.15	-218.56	762.45	1.91	
3316.00	13.400	104.600	3198.69	803.64	-221.11	772.63	1.90	
3361.00	12.700	103.200	3242.53	813.79	-223.55	782.49	1.71	
3406.00	12.000	108.800	3286.49	823.41	-226.19	791.73	3.08	
3450.00	11.200	109.600	3329.59	832.24	-229.10	800.09	1.85	
3495.00	10.100	109.900	3373.81	840.54	-231.91	807.92	2.45	
3538.00	9.500	110.300	3416.18	847.84	-234.42	814.79	1.40	
3583.00	8.800	110.600	3460.61	854.98	-236.92	821.50	1.56	
3626.00	8.100	111.000	3503.14	861.28	-239.16	827.40	1.63	
3672.00	7.900	112.400	3548.70	867.65	-241.53	833.35	0.61	
3717.00	7.800	113.400	3593.27	873.75	-243.92	839.01	0.38	
3763.00	7.200	107.400	3638.88	879.73	-246.02	844.63	2.14	
3808.00	6.500	103.900	3683.56	885.09	-247.48	849.79	1.81	
3853.00	5.900	105.300	3728.30	889.95	-248.70	854.50	1.37	
3898.00	5.700	117.300	3773.07	894.45	-250.34	858.71	2.73	
3942.00	4.400	122.600	3816.90	898.22	-252.25	862.08	3.14	
3987.00	3.400	125.000	3861.79	901.13	-253.94	864.62	2.25	
4030.00	2.600	124.000	3904.73	903.27	-255.22	866.48	1.86	
4076.00	2.300	121.200	3950.69	905.15	-256.28	868.13	0.70	
4166.00	1.500	124.000	4040.64	908.02	-257.88	870.65	0.89	
4256.00	0.700	97.200	4130.62	909.68	-258.60	872.17	1.03	
4346.00	0.400	100.800	4220.62	910.54	-258.73	873.03	0.34	
4436.00	0.900	142.600	4310.61	911.42	-259.35	873.77	0.73	
4524.00	0.800	154.600	4398.60	912.38	-260.46	874.45	0.23	
4615.00	1.100	163.500	4489.59	913.27	-261.87	874.97	0.37	
4705.00	0.900	98.700	4579.58	914.44	-262.80	875.91	1.21	
4795.00	0.800	77.900	4669.57	915.69	-262.78	877.23	0.36	
4886.00	0.600	61.400	4760.56	916.59	-262.42	878.27	0.31	
4976.00	0.700	32.200	4850.56	917.08	-261.73	878.97	0.38	
5065.00	0.700	25.500	4939.55	917.32	-260.77	879.50	0.09	
5156.00	1.100	359.900	5030.54	917.17	-259.40	879.73	0.61	
5247.00	1.400	341.600	5121.52	916.29	-257.47	879.38	0.54	
5338.00	0.800	353.200	5212.50	915.42	-255.79	878.96	0.70	
5428.00	0.400	259.300	5302.50	914.89	-255.22	878.57	1.02	
5519.00	0.600	259.000	5393.49	914.18	-255.37	877.79	0.22	
5607.00	0.800	260.000	5481.49	913.22	-255.56	876.74	0.23	
5697.00	0.400	3.400	5571.48	912.59	-255.36	876.14	1.08	
5786.00	0.600	343.300	5660.48	912.27	-254.60	876.02	0.30	
5876.00	1.100	326.500	5750.47	911.35	-253.43	875.41	0.61	
5966.00	1.000	297.600	5840.46	909.93	-252.35	874.24	0.59	
6055.00	1.100	322.600	5929.44	908.48	-251.31	873.03	0.52	
6145.00	0.700	5.500	6019.43	907.68	-250.08	872.56	0.84	
6234.00	1.200	8.300	6108.42	907.46	-248.61	872.74	0.56	
6324.00	1.200	9.400	6198.40	907.22	-246.75	873.03	0.03	
6415.00	0.400	99.500	6289.39	907.42	-245.86	873.50	1.39	



# Actual Wellpath Report

MAPLEWOOD 14-7 AWP

Page 4 of 6



INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 MAPLEWOOD 14-7 (872'FSL & 998'FWL)
Area	COLORADO	Well	MAPLEWOOD 14-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 14-7 AWP
Facility	SEC.07-T4N-R67W		

## WELLPATH DATA (106 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
6505.00	1.400	1.600	6379.38	907.46	-244.81	873.84	1.68	
6596.00	1.200	2.000	6470.36	906.95	-242.75	873.91	0.22	
6685.00	1.600	337.000	6559.33	905.94	-240.68	873.45	0.81	
6775.00	0.400	5.100	6649.32	905.09	-239.21	872.99	1.40	
6865.00	1.100	113.800	6739.31	905.88	-239.24	873.81	1.43	
6954.00	1.000	14.300	6828.30	906.71	-238.83	874.78	1.80	
7044.00	1.100	5.800	6918.29	906.53	-237.21	875.06	0.21	
7134.00	0.200	128.500	7008.28	906.52	-236.45	875.27	1.36	
7225.00	0.400	219.600	7099.28	906.54	-236.80	875.20	0.50	
7315.00	0.300	247.000	7189.28	906.23	-237.13	874.78	0.21	
7404.00	0.400	293.100	7278.28	905.74	-237.10	874.28	0.32	
7495.00	0.500	305.700	7369.28	905.05	-236.74	873.66	0.15	
7585.00	1.000	315.200	7459.27	904.00	-235.96	872.79	0.57	
7674.00	0.600	319.100	7548.26	902.93	-235.05	871.94	0.45	
7734.00	0.900	326.100	7608.25	902.30	-234.42	871.47	0.52	LAST BHI MWD SURVEY
7790.00	0.900	326.100	7664.25	901.63	-233.69	870.98	0.00	PROJECTION TO BIT

## HOLE & CASING SECTIONS Ref Wellbore: MAPLEWOOD 14-7 AWP Ref Wellpath: MAPLEWOOD 14-7 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	17.00	848.00	831.00	17.00	841.93	0.00	0.00	-33.17	68.18
8.625in Casing Surface	17.00	848.00	831.00	17.00	841.93	0.00	0.00	-33.17	68.18
7.875in Open Hole	848.00	7790.00	6942.00	841.93	7664.25	-33.17	68.18	-233.69	870.98



# Actual Wellpath Report

MAPLEWOOD 14-7 AWP

Page 5 of 6



INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 MAPLEWOOD 14-7 (872'FSL & 998'FWL)
Area	COLORADO	Well	MAPLEWOOD 14-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 14-7 AWB
Facility	SEC.07-T4N-R67W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
MAPLEWOOD 14-7 GEO TARGET 50' RADIUS (660'FSL & 1880'FWL, REV-1)		6000.00	-255.00	883.92	3157534.01	1360887.76	40°19'21.576"N	104°56'06.036"W	circle
MAPLEWOOD 14-7 LEGAL BOX (194'S,206'N,106'E,294'W OF GEO TARGET)		6000.00	-249.00	789.92	3157439.98	1360893.17	40°19'21.635"N	104°56'07.250"W	square

WELLPATH COMPOSITION					Ref Wellbore: MAPLEWOOD 14-7 AWB	Ref Wellpath: MAPLEWOOD 14-7 AWP
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
17.00	785.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <152-785>		MAPLEWOOD 14-7 AWB	
785.00	7734.00	NaviTrak (Standard)	BHI WMD SURVEYS 7.875 HOLE <873-7734>		MAPLEWOOD 14-7 AWB	
7734.00	7790.00	Blind Drilling (std)	Projection to bit		MAPLEWOOD 14-7 AWB	



# Actual Wellpath Report

MAPLEWOOD 14-7 AWP

Page 6 of 6



**INTEQ**

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#05 MAPLEWOOD 14-7 (872'FSL & 998'FWL)
Area	COLORADO	Well	MAPLEWOOD 14-7
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MAPLEWOOD 14-7 AWB
Facility	SEC.07-T4N-R67W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
7734.00	0.900	326.100	7608.25	LAST BHI MWD SURVEY
7790.00	0.900	326.100	7664.25	PROJECTION TO BIT