





# Actual Wellpath Report

MOSER 35-4 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#17 MOSER 35-4 (2241'FSL & 2463'FWL)
Area	COLORADO	Well	MOSER 35-4
Field	WELD COUNTY (KERR MCGEE)	Wellbore	MOSER 35-4 AWB
Facility	SEC.04-T2N-R65W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.1
North Reference	True	User	Cookdanm
Scale	0.999958	Report Generated	9/8/2011 at 1:33:13 PM
Convergence at slot	0.54° East	Database/Source file	WA_Denver/MOSER_35-4_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-691.44	-58.69	3232135.23	1304647.45	40°10'00.005"N	104°40'09.689"W
Facility Reference Pt			3232187.43	1305339.38	40°10'06.838"N	104°40'08.933"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	4874.00ft
Horizontal Reference Pt	Slot	XTREME 15 (RKB) to Mean Sea Level	4874.00ft
Vertical Reference Pt	XTREME 15 (RKB)	XTREME 15 (RKB) to Mud Line at Slot (SLOT#17 MOSER 35-4 (2241'FSL & 2463'FWL))	4874.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	208.06°



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## WELLPATH DATA (91 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	53.800	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	53.800	15.00	0.00	0.00	0.00	0.00	
153.00	0.600	53.800	153.00	-0.65	0.43	0.58	0.43	
245.00	1.800	203.900	244.99	0.36	-0.61	0.39	2.54	
338.00	4.300	206.700	337.85	5.30	-5.06	-1.77	2.69	
429.00	6.900	209.500	428.40	14.18	-12.87	-6.00	2.87	
518.00	9.100	212.000	516.53	26.54	-23.49	-12.36	2.50	
608.00	9.900	210.600	605.30	41.37	-36.19	-20.07	0.93	
697.00	11.400	210.900	692.76	57.80	-50.32	-28.48	1.69	
790.00	11.400	206.700	783.93	76.17	-66.42	-37.33	0.89	
886.00	11.800	206.700	877.97	95.47	-83.66	-46.01	0.42	
979.00	13.600	202.500	968.69	115.86	-102.26	-54.46	2.17	
1069.00	17.200	199.300	1055.45	139.55	-124.60	-62.91	4.11	
1157.00	20.000	203.900	1138.85	167.43	-150.65	-73.31	3.59	
1246.00	21.900	206.700	1221.96	199.20	-179.40	-86.94	2.41	
1336.00	22.700	209.900	1305.23	233.34	-209.45	-103.14	1.62	
1426.00	23.600	210.900	1387.99	268.69	-239.96	-121.05	1.09	
1515.00	25.000	212.300	1469.10	305.24	-271.14	-140.25	1.70	
1605.00	26.400	212.700	1550.19	344.16	-304.06	-161.22	1.57	
1694.00	28.600	212.300	1629.13	385.13	-338.72	-183.29	2.48	
1784.00	28.400	209.500	1708.23	428.01	-375.56	-205.35	1.50	
1874.00	27.700	207.000	1787.66	470.32	-412.82	-225.38	1.52	
1962.00	26.500	206.700	1866.00	510.40	-448.59	-243.49	1.37	
2052.00	28.100	205.300	1945.97	551.64	-485.69	-261.57	1.92	
2141.00	27.800	201.700	2024.60	593.21	-523.93	-278.20	1.93	
2231.00	27.900	200.000	2104.17	634.92	-563.22	-293.17	0.89	
2321.00	27.600	198.600	2183.82	676.33	-602.76	-307.02	0.80	
2408.00	26.900	197.900	2261.17	715.58	-640.59	-319.49	0.88	
2498.00	27.300	200.400	2341.29	756.08	-679.31	-332.95	1.34	
2587.00	27.900	202.100	2420.16	797.02	-717.74	-347.90	1.11	
2677.00	27.900	203.200	2499.70	838.95	-756.60	-364.11	0.57	
2768.00	26.300	207.400	2580.72	880.33	-794.07	-381.78	2.74	
2857.00	25.500	212.700	2660.79	919.14	-827.71	-401.21	2.75	
2944.00	25.500	207.700	2739.32	956.54	-860.05	-420.03	2.47	
3033.00	25.200	211.300	2819.76	994.62	-893.20	-438.78	1.76	
3122.00	26.700	209.500	2899.78	1033.52	-926.80	-458.47	1.90	
3212.00	27.000	208.800	2980.08	1074.16	-962.30	-478.27	0.48	
3302.00	27.400	208.800	3060.13	1115.30	-998.35	-498.09	0.44	
3389.00	27.300	207.400	3137.40	1155.27	-1033.60	-516.92	0.75	
3480.00	25.800	209.200	3218.80	1195.94	-1069.42	-536.18	1.87	
3568.00	24.800	206.000	3298.37	1233.53	-1102.73	-553.62	1.92	
3657.00	24.500	208.100	3379.26	1270.64	-1135.78	-570.49	1.04	
3747.00	23.200	209.900	3461.57	1307.02	-1167.61	-588.12	1.66	
3837.00	22.900	213.400	3544.39	1342.17	-1197.60	-606.60	1.56	
3925.00	24.200	214.400	3625.06	1377.15	-1226.78	-626.21	1.55	



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	MOSER 35-4 AWB
Facility	SEC.04-T2N-R65W		

## WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4016.00	24.800	212.000	3707.87	1414.73	-1258.36	-646.86	1.28	
4106.00	26.200	214.800	3789.10	1453.29	-1290.68	-668.21	2.05	
4196.00	27.200	216.500	3869.50	1493.37	-1323.53	-691.78	1.40	
4285.00	29.100	212.300	3947.98	1535.08	-1358.18	-715.45	3.08	
4375.00	29.600	212.000	4026.43	1579.08	-1395.53	-738.92	0.58	
4464.00	28.400	209.500	4104.27	1622.17	-1432.60	-760.99	1.92	
4553.00	26.800	207.700	4183.14	1663.40	-1468.78	-780.75	2.03	
4643.00	26.500	208.800	4263.58	1703.76	-1504.34	-799.85	0.64	
4733.00	25.800	206.700	4344.37	1743.42	-1539.44	-818.32	1.29	
4823.00	26.200	211.600	4425.27	1782.84	-1573.86	-837.54	2.43	
4910.00	26.700	213.900	4503.17	1821.45	-1606.44	-858.50	1.31	
4999.00	26.900	219.300	4582.62	1861.09	-1638.62	-882.41	2.74	
5089.00	28.100	216.500	4662.45	1902.03	-1671.42	-907.91	1.96	
5177.00	24.200	215.100	4741.43	1940.45	-1702.85	-930.62	4.49	
5266.00	22.700	212.300	4823.08	1975.68	-1732.29	-950.29	2.10	
5354.00	21.600	204.600	4904.60	2008.79	-1761.38	-966.11	3.53	
5444.00	21.000	210.900	4988.46	2041.44	-1790.28	-981.29	2.63	
5532.00	20.600	207.400	5070.73	2072.67	-1817.56	-996.51	1.48	
5622.00	23.200	199.300	5154.25	2106.03	-1848.36	-1009.66	4.42	
5711.00	26.700	201.800	5234.93	2143.25	-1883.48	-1022.89	4.11	
5801.00	27.300	203.500	5315.12	2183.92	-1921.18	-1038.62	1.09	
5889.00	27.400	204.900	5393.29	2224.26	-1958.05	-1055.20	0.74	
5980.00	25.000	204.900	5474.93	2264.37	-1994.49	-1072.11	2.64	
6070.00	21.400	202.100	5557.64	2299.70	-2026.97	-1086.30	4.18	
6158.00	17.800	195.800	5640.54	2328.83	-2054.80	-1096.01	4.74	
6247.00	16.300	194.000	5725.63	2354.24	-2080.01	-1102.73	1.79	
6335.00	13.800	195.100	5810.60	2376.45	-2102.13	-1108.46	2.86	
6425.00	11.600	198.600	5898.40	2395.84	-2121.07	-1114.14	2.59	
6513.00	10.000	210.200	5984.84	2412.20	-2136.06	-1120.81	3.06	
6601.00	8.100	216.200	6071.75	2425.98	-2147.67	-1128.31	2.41	
6692.00	6.800	211.300	6161.98	2437.70	-2157.45	-1134.90	1.59	
6781.00	5.500	209.900	6250.46	2447.23	-2165.65	-1139.76	1.47	
6870.00	4.200	207.700	6339.14	2454.75	-2172.23	-1143.40	1.48	
6960.00	3.500	208.400	6428.94	2460.79	-2177.56	-1146.24	0.78	
7050.00	2.500	211.600	6518.82	2465.50	-2181.65	-1148.58	1.13	
7183.00	1.800	211.300	6651.72	2470.48	-2185.91	-1151.18	0.53	
7317.00	1.400	228.800	6785.67	2474.11	-2188.78	-1153.51	0.47	
7450.00	1.300	240.100	6918.63	2476.91	-2190.61	-1156.04	0.21	
7585.00	0.600	41.100	7053.62	2477.52	-2190.84	-1156.90	1.39	
7721.00	3.100	53.800	7189.54	2473.51	-2188.13	-1153.46	1.85	
7851.00	3.300	100.500	7319.36	2469.22	-2186.73	-1146.95	1.96	
7984.00	3.500	114.900	7452.13	2467.84	-2189.14	-1139.50	0.66	
8116.00	2.300	113.500	7583.96	2467.40	-2191.89	-1133.42	0.91	
8249.00	1.300	104.700	7716.89	2466.84	-2193.34	-1129.51	0.78	
8288.00	1.200	120.200	7755.88	2466.76	-2193.66	-1128.73	0.90	LAST BHI MWD SURVEY



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	MOSER 35-4 AWB
Facility	SEC.04-T2N-R65W		

## WELLPATH DATA (91 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8338.00	1.200	120.200	7805.87	2466.80	-2194.18	-1127.82	0.00	PROJECTION TO BIT

## HOLE & CASING SECTIONS - Ref Wellbore: MOSER 35-4 AWB Ref Wellpath: MOSER 35-4 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	845.00	830.00	15.00	837.82	0.00	0.00	-76.23	-42.27
8.625in Casing Surface	15.00	835.00	820.00	15.00	828.03	0.00	0.00	-74.43	-41.36
7.875in Open Hole	835.00	8338.00	7503.00	828.03	7805.87	-74.43	-41.36	-2194.18	-1127.82

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
MOSER 35-4 GEO TARGET 50' RADIUS (50'FSL & 1320'FWL, REV-1)		6000.00	-2187.96	-1166.10	3230989.72	1302448.76	40°09'38.383"N	104°40'24.708"W	circle
MOSER 35-4 HARDLINE 50'S OF GEO TARGET		6000.00	-2237.94	-1166.10	3230990.19	1302398.78	40°09'37.889"N	104°40'24.708"W	point

## WELLPATH COMPOSITION - Ref Wellbore: MOSER 35-4 AWB Ref Wellpath: MOSER 35-4 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	8288.00	NaviTrak (Standard)	BHI MWD SURVEYS <153-8288>	MOSER 35-4 AWB
8288.00	8338.00	Blind Drilling (std)	Projection to bit	MOSER 35-4 AWB



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## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8288.00	1.200	120.200	7755.88	LAST BHI MWD SURVEY
8338.00	1.200	120.200	7805.87	PROJECTION TO BIT