



Actual Wellpath Report

NRC 14-8 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#19 NRC 14-8 (1550'FSL & 881'FWL)
Area	COLORADO	Well	NRC 14-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 14-8 AWB
Facility	SEC.08-T1N-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	Bensjacj
Scale	0.999962	Report Generated	9/2/2010 at 2:47:41 PM
Convergence at slot	0.37° East	Database/Source file	WA_Denver/NRC_14-8_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	534.23	-2978.77	3162117.87	1266190.84	40°03'45.468"N	104°55'14.840"W
Facility Reference Pt			3165100.01	1265676.46	40°03'40.190"N	104°54'36.529"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 (RT) to Facility Vertical Datum	5041.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RT) to Mean Sea Level	5041.00ft
Vertical Reference Pt	XTREME 12 (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 12 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	129.36°



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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	262.100	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	262.100	15.00	0.00	0.00	0.00	0.00	
150.00	0.200	262.100	150.00	-0.16	-0.03	-0.23	0.15	
241.00	0.400	274.100	241.00	-0.53	-0.03	-0.71	0.23	
332.00	0.500	218.500	332.00	-0.78	-0.32	-1.27	0.47	
423.00	1.000	158.400	422.99	-0.08	-1.37	-1.23	0.95	
515.00	2.300	139.400	514.95	2.44	-3.52	0.27	1.51	
606.00	4.300	128.900	605.79	7.65	-7.05	4.11	2.29	
697.00	7.000	126.100	696.34	16.60	-12.46	11.25	2.98	
787.00	9.400	131.300	785.42	29.42	-20.54	21.21	2.79	
880.00	10.800	131.300	876.98	45.72	-31.30	33.46	1.51	
953.00	10.800	131.000	948.68	59.39	-40.30	43.76	0.08	
1043.00	12.200	131.700	1036.87	77.32	-52.16	57.22	1.56	
1134.00	14.500	124.300	1125.42	98.28	-64.98	73.82	3.14	
1225.00	15.500	123.300	1213.31	121.72	-78.08	93.39	1.14	
1316.00	17.600	125.400	1300.54	147.54	-92.73	114.77	2.40	
1406.00	19.900	128.200	1385.76	176.44	-110.08	137.90	2.74	
1497.00	20.500	131.700	1471.16	207.84	-130.26	161.97	1.48	
1588.00	20.100	132.800	1556.51	239.37	-151.49	185.34	0.61	
1679.00	18.800	134.200	1642.32	269.59	-172.33	207.33	1.52	
1770.00	18.500	133.100	1728.54	298.61	-192.42	228.38	0.51	
1860.00	17.500	130.600	1814.14	326.39	-210.98	249.08	1.40	
1951.00	16.800	132.400	1901.09	353.20	-228.76	269.18	0.97	
2042.00	16.500	125.400	1988.28	379.23	-245.11	289.43	2.23	
2133.00	18.000	125.000	2075.19	406.14	-260.66	311.48	1.65	
2223.00	18.100	123.600	2160.76	433.92	-276.37	334.52	0.49	
2314.00	17.800	124.000	2247.33	461.83	-291.98	357.82	0.36	
2405.00	17.400	119.400	2334.07	489.08	-306.43	381.21	1.59	
2496.00	17.900	125.400	2420.80	516.43	-321.22	404.47	2.07	
2586.00	18.600	127.100	2506.27	544.58	-337.89	427.19	0.98	
2677.00	19.800	130.300	2592.21	574.49	-356.61	450.52	1.75	
2768.00	19.600	131.300	2677.88	605.15	-376.65	473.74	0.43	
2859.00	18.100	135.600	2764.00	634.46	-396.83	495.10	2.25	
2950.00	18.400	129.200	2850.44	662.88	-416.01	516.12	2.23	
3040.00	19.700	134.200	2935.51	692.20	-435.56	538.01	2.32	
3131.00	21.300	139.500	3020.75	723.76	-458.83	559.74	2.69	
3222.00	20.700	140.700	3105.71	755.80	-483.84	580.66	0.81	
3313.00	18.700	133.100	3191.39	786.13	-506.26	601.50	3.57	
3404.00	16.800	129.600	3278.06	813.84	-524.61	622.29	2.39	
3494.00	18.700	134.500	3363.77	841.22	-543.02	642.61	2.68	
3585.00	18.800	132.700	3449.95	870.39	-563.19	663.79	0.65	
3676.00	18.800	127.200	3536.10	899.69	-582.00	686.25	1.95	
3767.00	21.100	124.300	3621.63	930.66	-600.10	711.46	2.75	
3858.00	19.400	120.400	3707.01	961.91	-616.98	738.03	2.38	
3949.00	16.900	127.500	3793.49	990.06	-632.68	761.57	3.66	



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 14-8 AWP
Facility	SEC.08-T1N-R67W		

WELLPATH DATA (88 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4039.00	13.600	131.000	3880.31	1013.72	-647.59	779.94	3.81	
4130.00	11.900	135.200	3969.06	1033.75	-661.27	794.62	2.13	
4221.00	16.400	114.500	4057.33	1055.53	-673.27	812.94	7.37	
4312.00	16.700	115.900	4144.56	1080.66	-684.31	836.40	0.55	
4403.00	17.900	116.900	4231.45	1107.03	-696.34	860.63	1.36	
4493.00	19.100	121.200	4316.80	1135.12	-710.23	885.56	2.02	
4584.00	19.900	121.900	4402.58	1165.21	-726.13	911.45	0.92	
4675.00	17.600	120.800	4488.74	1194.18	-741.36	936.41	2.56	
4765.00	17.900	128.500	4574.47	1221.47	-756.94	958.93	2.63	
4856.00	18.100	134.900	4661.02	1249.52	-775.62	979.89	2.18	
4947.00	19.300	132.800	4747.22	1278.60	-795.82	1000.94	1.51	
5038.00	18.300	134.500	4833.36	1307.85	-816.05	1022.16	1.25	
5128.00	16.000	134.900	4919.36	1334.27	-834.71	1041.03	2.56	
5219.00	13.300	136.600	5007.39	1357.14	-851.17	1057.11	3.00	
5310.00	11.300	137.000	5096.30	1376.36	-865.30	1070.38	2.20	
5401.00	9.300	140.400	5185.83	1392.42	-877.49	1081.15	2.30	
5491.00	8.000	140.800	5274.80	1405.69	-887.95	1089.74	1.45	
5582.00	6.500	140.400	5365.07	1416.95	-896.82	1097.03	1.65	
5673.00	4.700	136.600	5455.63	1425.71	-903.50	1102.87	2.02	
5764.00	2.600	87.800	5546.46	1430.95	-906.13	1107.50	3.92	
5854.00	2.600	87.100	5636.37	1433.99	-905.95	1111.58	0.04	
5944.00	2.200	86.300	5726.29	1436.76	-905.73	1115.34	0.45	
6034.00	2.300	82.100	5816.22	1439.25	-905.38	1118.85	0.21	
6170.00	3.100	57.500	5952.07	1442.25	-903.02	1124.66	1.02	
6308.00	2.500	56.500	6089.91	1444.30	-899.36	1130.32	0.44	
6445.00	2.000	28.300	6226.81	1444.72	-895.60	1133.94	0.87	
6581.00	1.300	17.100	6362.75	1443.68	-892.04	1135.52	0.56	
6717.00	1.100	21.300	6498.72	1442.69	-889.35	1136.45	0.16	
6853.00	0.900	32.200	6634.70	1442.15	-887.23	1137.49	0.20	
6989.00	0.800	37.800	6770.68	1442.00	-885.57	1138.64	0.10	
7125.00	0.400	57.900	6906.68	1442.12	-884.57	1139.63	0.33	
7262.00	0.100	155.300	7043.68	1442.38	-884.43	1140.08	0.31	
7398.00	0.300	319.900	7179.68	1442.14	-884.26	1139.90	0.29	
7534.00	0.400	297.600	7315.67	1441.32	-883.77	1139.25	0.12	
7670.00	0.100	298.300	7451.67	1440.74	-883.49	1138.73	0.22	
7806.00	0.200	101.500	7587.67	1440.83	-883.48	1138.85	0.22	
7942.00	0.200	98.300	7723.67	1441.25	-883.57	1139.32	0.01	
8078.00	0.300	130.600	7859.67	1441.81	-883.83	1139.83	0.12	
8214.00	0.200	101.100	7995.67	1442.37	-884.11	1140.33	0.12	
8351.00	0.100	272.300	8132.67	1442.49	-884.15	1140.45	0.22	
8487.00	0.400	316.600	8268.67	1441.92	-883.80	1140.00	0.25	
8562.00	0.100	14.600	8343.67	1441.63	-883.55	1139.84	0.48	LAST BHI MWD SURVEY
8750.00	0.100	14.600	8531.67	1441.50	-883.23	1139.92	0.00	PROJECTION TO BIT



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	NRC 14-8 AWB
Facility	SEC.08-T1N-R67W		

HOLE & CASING SECTIONS Ref Wellbore: NRC 14-8 AWB Ref Wellpath: NRC 14-8 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	935.00	920.00	15.00	931.00	0.00	0.00	-38.09	41.21
8.625in Open Hole	15.00	923.00	908.00	15.00	919.21	0.00	0.00	-36.61	39.52
7.875in Open Hole	923.00	8750.00	7827.00	919.21	8531.67	-36.61	39.52	-883.23	1139.92

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
NRC 14-8 GEO TARGET 50' RADIUS (660'FSL & 1980'FWL, REV-1)		6000.00	-899.77	1097.00	3163220.67	1265298.29	40°03'36.576"N	104°55'00.732"W	circle
NRC 14-8 LEGAL BOX (199'S,201'N,199'E,201'W OF GEO TARGET)		6000.00	-898.77	1096.00	3163219.67	1265299.29	40°03'36.586"N	104°55'00.745"W	square

WELLPATH COMPOSITION Ref Wellbore: NRC 14-8 AWB Ref Wellpath: NRC 14-8 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	8562.00	NaviTrak (Standard)	BHI MWD SURVEYS <150-8562>	NRC 14-8 AWB
8562.00	8750.00	Blind Drilling (std)	Projection to bit	NRC 14-8 AWB



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WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8562.00	0.100	14.600	8343.67	LAST BHI MWD SURVEY
8750.00	0.100	14.600	8531.67	PROJECTION TO BIT