



Actual Wellpath Report

SATER 2-8 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 SATER 2-8 (2466'FNL & 2522'FEL)
Area	COLORADO	Well	SATER 2-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 2-8 AWB
Facility	SEC.08-T2N-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	5/20/2011 at 10:11:09 AM
Convergence at slot	0.38° East	Database/Source file	Denver Server/SATER_2-8_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	-0.36	31.87	3163915.03	1299302.80	40°09'12.575"N	104°54'48.910"W
Facility Reference Pt			3163883.16	1299302.95	40°09'12.578"N	104°54'49.320"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	4923.00ft
Horizontal Reference Pt	Slot	XTREME 15 (RKB) to Mean Sea Level	4923.00ft
Vertical Reference Pt	XTREME 15 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 15 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	17.18°



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WELLPATH DATA (126 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	356.300	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	356.300	15.00	0.00	0.00	0.00	0.00	
151.00	0.300	356.300	151.00	0.33	0.36	-0.02	0.22	
182.00	0.800	341.900	182.00	0.59	0.64	-0.10	1.66	
213.00	0.900	358.000	212.99	0.99	1.09	-0.17	0.83	
244.00	0.900	350.700	243.99	1.44	1.57	-0.22	0.37	
274.00	1.400	3.700	273.98	2.01	2.17	-0.23	1.87	
305.00	2.100	11.100	304.97	2.94	3.11	-0.10	2.37	
335.00	3.300	12.800	334.94	4.35	4.49	0.20	4.01	
382.00	4.000	18.100	381.84	7.34	7.37	1.01	1.65	
427.00	4.700	14.200	426.71	10.75	10.65	1.95	1.69	
471.00	5.500	15.300	470.54	14.65	14.43	2.94	1.83	
514.00	6.200	16.000	513.31	19.03	18.65	4.13	1.64	
560.00	7.000	22.000	559.01	24.31	23.63	5.86	2.29	
605.00	7.700	23.400	603.64	30.04	28.94	8.09	1.61	
650.00	8.600	23.700	648.18	36.38	34.79	10.64	2.00	
695.00	10.000	24.100	692.59	43.60	41.44	13.59	3.11	
785.00	11.300	20.200	781.04	60.17	56.85	19.82	1.65	
875.00	11.600	19.500	869.25	78.01	73.65	25.89	0.37	
932.00	12.300	18.100	925.01	89.81	84.83	29.69	1.33	
1012.00	13.500	17.400	1002.99	107.67	101.84	35.13	1.51	
1056.00	14.900	17.400	1045.65	118.46	112.14	38.35	3.18	
1101.00	15.700	17.000	1089.05	130.34	123.48	41.86	1.79	
1146.00	16.700	16.700	1132.26	142.89	135.49	45.50	2.23	
1191.00	17.600	17.400	1175.26	156.16	148.18	49.39	2.05	
1237.00	18.700	17.700	1218.97	170.49	161.84	53.72	2.40	
1280.00	20.200	17.700	1259.52	184.80	175.48	58.07	3.49	
1325.00	21.000	14.900	1301.64	200.63	190.68	62.50	2.82	
1369.00	22.000	14.200	1342.58	216.74	206.28	66.55	2.35	
1414.00	22.200	13.500	1384.27	233.64	222.72	70.61	0.73	
1458.00	22.800	13.500	1424.92	250.44	239.10	74.54	1.36	
1503.00	23.300	11.100	1466.33	267.99	256.31	78.29	2.37	
1546.00	23.600	12.500	1505.78	285.03	273.06	81.79	1.47	
1591.00	22.900	13.900	1547.13	302.75	290.35	85.84	1.98	
1636.00	23.500	15.300	1588.49	320.46	307.50	90.31	1.81	
1681.00	24.400	15.300	1629.61	338.71	325.12	95.13	2.00	
1725.00	25.200	16.700	1669.55	357.17	342.86	100.22	2.26	
1770.00	25.600	17.700	1710.20	376.47	361.30	105.93	1.30	
1815.00	26.200	18.100	1750.68	396.12	380.00	111.97	1.39	
1861.00	27.400	19.100	1791.74	416.85	399.66	118.59	2.79	
1949.00	28.000	17.400	1869.66	457.75	438.50	131.39	1.13	
2039.00	27.600	17.400	1949.27	499.72	478.56	143.94	0.44	
2128.00	27.400	16.000	2028.22	540.82	517.92	155.76	0.76	
2217.00	28.100	16.300	2106.98	582.25	557.72	167.28	0.80	
2305.00	28.000	16.300	2184.64	623.62	597.44	178.90	0.11	



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Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#03 SATER 2-8 (2466'FNL & 2522'FEL)
Area	COLORADO	Well	SATER 2-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 2-8 AWB
Facility	SEC.08-T2N-R67W		

WELLPATH DATA (126 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
2393.00	27.600	15.600	2262.49	664.66	636.90	190.18	0.59	
2479.00	27.000	17.400	2338.91	704.09	674.72	201.37	1.19	
2568.00	27.600	18.100	2417.99	744.91	713.59	213.82	0.76	
2656.00	27.400	18.400	2496.05	785.54	752.18	226.54	0.28	
2747.00	27.200	20.500	2576.92	827.23	791.53	240.44	1.08	
2838.00	28.200	18.800	2657.49	869.49	831.37	254.65	1.40	
2928.00	28.700	18.800	2736.62	912.35	871.96	268.47	0.56	
3016.00	28.500	18.400	2813.88	954.46	911.88	281.90	0.31	
3103.00	27.700	17.700	2890.63	995.43	950.84	294.60	0.99	
3193.00	28.500	15.600	2970.02	1037.82	991.45	306.74	1.41	
3280.00	28.700	15.300	3046.40	1079.44	1031.59	317.83	0.28	
3370.00	28.000	15.300	3125.61	1122.16	1072.81	329.11	0.78	
3457.00	27.300	15.300	3202.67	1162.51	1111.76	339.76	0.80	
3547.00	26.800	17.400	3282.83	1203.43	1151.03	351.28	1.20	
3634.00	26.800	17.700	3360.48	1242.65	1188.43	363.10	0.16	
3721.00	26.900	19.100	3438.11	1281.94	1225.71	375.51	0.74	
3808.00	26.200	16.300	3515.93	1320.81	1262.74	387.34	1.65	
3898.00	26.600	15.600	3596.55	1360.82	1301.22	398.33	0.56	
3988.00	26.300	16.300	3677.13	1400.90	1339.76	409.35	0.48	
4077.00	25.800	17.700	3757.09	1439.98	1377.14	420.77	0.89	
4167.00	25.100	19.100	3838.35	1478.64	1413.84	432.97	1.03	
4257.00	25.300	20.500	3919.79	1516.92	1449.89	445.95	0.70	
4346.00	25.600	19.800	4000.15	1555.11	1485.79	459.13	0.48	
4435.00	25.800	19.800	4080.35	1593.67	1522.11	472.20	0.22	
4524.00	23.000	18.400	4161.39	1630.41	1556.83	484.25	3.21	
4567.00	22.200	18.100	4201.09	1646.93	1572.53	489.43	1.88	
4611.00	20.800	18.400	4242.03	1663.05	1587.84	494.48	3.19	
4655.00	20.400	18.100	4283.21	1678.53	1602.54	499.32	0.94	
4698.00	20.800	16.300	4323.46	1693.66	1617.00	503.80	1.74	
4742.00	20.700	14.600	4364.61	1709.24	1632.02	507.95	1.39	
4787.00	20.700	15.600	4406.70	1725.13	1647.38	512.09	0.79	
4831.00	20.500	17.000	4447.89	1740.61	1662.23	516.44	1.21	
4876.00	20.300	16.700	4490.07	1756.30	1677.25	520.98	0.50	
4921.00	19.100	15.300	4532.44	1771.46	1691.83	525.17	2.87	
4964.00	17.400	13.500	4573.27	1784.91	1704.86	528.53	4.16	
5009.00	16.700	16.700	4616.29	1798.09	1717.60	531.96	2.60	
5054.00	15.600	20.500	4659.52	1810.60	1729.46	535.93	3.39	
5099.00	14.100	19.500	4703.01	1822.11	1740.30	539.88	3.38	
5144.00	13.400	18.100	4746.72	1832.81	1750.42	543.33	1.72	
5188.00	12.400	17.400	4789.61	1842.63	1759.77	546.33	2.30	
5231.00	11.700	19.800	4831.67	1851.60	1768.28	549.19	2.00	
5277.00	10.700	21.400	4876.79	1860.52	1776.65	552.32	2.28	
5322.00	9.400	21.600	4921.10	1868.35	1783.95	555.20	2.89	
5366.00	7.700	22.700	4964.61	1874.87	1790.01	557.66	3.88	
5409.00	6.500	25.500	5007.28	1880.14	1794.87	559.82	2.90	



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Area	COLORADO	Well	SATER 2-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 2-8 AWB
Facility	SEC.08-T2N-R67W		

WELLPATH DATA (126 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
5454.00	5.900	11.100	5052.02	1884.96	1799.44	561.36	3.69	
5499.00	5.500	13.900	5096.79	1889.41	1803.80	562.33	1.08	
5543.00	4.100	25.800	5140.64	1893.08	1807.26	563.52	3.89	
5587.00	2.600	31.400	5184.56	1895.60	1809.53	564.72	3.49	
5631.00	1.400	11.100	5228.54	1897.10	1810.91	565.35	3.13	
5721.00	0.500	260.700	5318.53	1898.02	1811.93	565.17	1.83	
5809.00	1.200	227.600	5406.52	1897.05	1811.24	564.11	0.94	
5897.00	1.200	234.300	5494.50	1895.52	1810.08	562.68	0.16	
5986.00	1.200	250.100	5583.48	1894.22	1809.22	561.05	0.37	
6074.00	1.500	262.400	5671.45	1893.18	1808.76	559.04	0.47	
6163.00	1.500	197.000	5760.43	1891.53	1807.49	557.54	1.82	
6251.00	1.600	186.100	5848.40	1889.17	1805.17	557.08	0.35	
6339.00	1.500	186.800	5936.37	1886.83	1802.80	556.81	0.12	
6427.00	1.300	186.500	6024.34	1884.72	1800.67	556.56	0.23	
6514.00	0.600	147.500	6111.33	1883.45	1799.30	556.69	1.05	
6602.00	0.700	163.600	6199.32	1882.71	1798.40	557.09	0.24	
6690.00	0.900	157.700	6287.31	1881.72	1797.24	557.51	0.25	
6777.00	0.800	166.100	6374.30	1880.68	1796.02	557.91	0.18	
6865.00	0.400	206.500	6462.30	1879.85	1795.15	557.92	0.64	
6955.00	0.500	217.700	6552.30	1879.17	1794.56	557.54	0.15	
7044.00	0.600	226.900	6641.29	1878.40	1793.93	556.97	0.15	
7132.00	0.600	220.300	6729.29	1877.58	1793.26	556.33	0.08	
7220.00	0.400	250.100	6817.28	1876.97	1792.81	555.74	0.37	
7310.00	0.000	80.000	6907.28	1876.78	1792.70	555.45	0.44	
7401.00	0.200	224.800	6998.28	1876.64	1792.59	555.34	0.22	
7491.00	0.400	220.600	7088.28	1876.21	1792.24	555.02	0.22	
7582.00	0.300	181.900	7179.28	1875.69	1791.76	554.81	0.28	
7671.00	0.500	192.500	7268.28	1875.08	1791.15	554.71	0.24	
7760.00	0.400	182.300	7357.28	1874.39	1790.46	554.62	0.14	
7848.00	0.300	150.300	7445.27	1873.94	1789.95	554.72	0.24	
7938.00	0.200	56.400	7535.27	1873.90	1789.83	554.97	0.41	
8027.00	0.800	71.500	7624.27	1874.38	1790.12	555.69	0.68	
8116.00	0.700	34.300	7713.26	1875.26	1790.76	556.58	0.55	
8205.00	0.400	359.800	7802.26	1876.08	1791.52	556.89	0.49	
8349.00	0.400	13.900	7946.26	1877.06	1792.51	557.01	0.07	LAST BHI WMD SURVEY
8405.00	0.400	13.900	8002.25	1877.45	1792.89	557.10	0.00	PROJECTION TO BIT



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Area	COLORADO	Well	SATER 2-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 2-8 AWB
Facility	SEC.08-T2N-R67W		

HOLE & CASING SECTIONS Ref Wellbore: SATER 2-8 AWB Ref Wellpath: SATER 2-8 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	995.00	980.00	15.00	986.45	0.00	0.00	98.09	33.95
8.625in Casing Surface	15.00	995.00	980.00	15.00	986.45	0.00	0.00	98.09	33.95
7.875in Open Hole	995.00	8405.00	7410.00	986.45	8002.25	98.09	33.95	1792.89	557.10

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
SATER 28-8 GEO TARGET 50' RADIUS (660'FNL & 1980'FEL, REV-1)		6000.00	1798.90	556.23	3164459.33	1301105.26	40°09'30.352"N	104°54'41.746"W	circle
SATER 28-8 LEGAL BOX (199'N,201'S,164'E,236'W OF GEO TARGET)		6000.00	1797.90	592.23	3164495.33	1301104.49	40°09'30.342"N	104°54'41.282"W	square

WELLPATH COMPOSITION Ref Wellbore: SATER 2-8 AWB Ref Wellpath: SATER 2-8 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	932.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <151-932>	SATER 2-8 AWB
932.00	8349.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <1012-8349>	SATER 2-8 AWB
8349.00	8405.00	Blind Drilling (std)	Projection to bit	SATER 2-8 AWB



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Area	COLORADO	Well	SATER 2-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 2-8 AWB
Facility	SEC.08-T2N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8349.00	0.400	13.900	7946.26	LAST BHI WMD SURVEY
8405.00	0.400	13.900	8002.25	PROJECTION TO BIT