



Actual Wellpath Report

SATER 28-8 awp

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#02 SATER 28-8 (2466'FNL & 2538'FEL)
Area	COLORADO	Well	SATER 28-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 28-8 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 9:51:33 AM
Convergence at slot	0.38° East	Database/Source file	Denver Server/SATER_28-8_awb.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	0.00	15.93	3163899.10	1299303.06	40°09'12.578"N	104°54'49.115"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	358.03°



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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	36.400	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	36.400	15.00	0.00	0.00	0.00	0.00	
151.00	1.100	36.400	150.99	1.02	1.05	0.77	0.81	
182.00	1.100	19.500	181.99	1.53	1.57	1.05	1.04	
213.00	1.400	11.800	212.98	2.18	2.22	1.23	1.11	
244.00	2.300	10.700	243.96	3.15	3.20	1.42	2.91	
274.00	3.100	8.200	273.93	4.54	4.60	1.65	2.69	
305.00	3.900	7.900	304.87	6.40	6.47	1.91	2.58	
335.00	4.800	5.100	334.78	8.65	8.73	2.16	3.08	
381.00	6.600	3.000	380.55	13.20	13.29	2.47	3.94	
426.00	7.900	3.700	425.19	18.85	18.96	2.81	2.90	
471.00	9.200	4.400	469.69	25.50	25.63	3.28	2.90	
516.00	10.200	5.100	514.05	33.03	33.19	3.91	2.24	
561.00	11.300	2.600	558.26	41.38	41.56	4.47	2.65	
607.00	12.000	0.200	603.31	50.65	50.85	4.69	1.85	
651.00	13.300	359.100	646.24	60.29	60.48	4.63	3.00	
740.00	15.000	358.400	732.54	82.04	82.23	4.14	1.92	
830.00	15.700	358.000	819.33	105.86	106.04	3.39	0.79	
917.00	15.700	356.300	903.08	129.40	129.55	2.22	0.53	
1013.00	15.400	356.300	995.57	155.12	155.24	0.56	0.31	
1058.00	17.100	356.950	1038.77	167.71	167.81	-0.18	3.80	
1102.00	18.100	355.900	1080.71	181.01	181.08	-1.01	2.38	
1145.00	19.100	356.300	1121.46	194.72	194.77	-1.94	2.34	
1191.00	20.000	356.300	1164.81	210.10	210.13	-2.93	1.96	
1236.00	20.900	356.600	1206.97	225.82	225.82	-3.91	2.01	
1281.00	22.200	357.300	1248.83	242.35	242.32	-4.78	2.94	
1326.00	23.100	356.600	1290.36	259.67	259.63	-5.71	2.09	
1369.00	23.600	356.600	1329.83	276.71	276.64	-6.72	1.16	
1412.00	24.700	357.000	1369.07	294.30	294.21	-7.70	2.59	
1458.00	25.700	356.600	1410.69	313.88	313.76	-8.79	2.21	
1503.00	26.200	354.500	1451.16	333.55	333.39	-10.32	2.32	
1548.00	26.500	354.900	1491.48	353.49	353.28	-12.17	0.77	
1638.00	27.500	354.900	1571.67	394.29	393.97	-15.80	1.11	
1726.00	27.800	355.900	1649.62	435.08	434.68	-19.07	0.63	
1815.00	28.000	356.600	1728.28	476.70	476.24	-21.80	0.43	
1903.00	27.300	358.400	1806.23	517.54	517.03	-23.58	1.24	
1991.00	28.000	358.400	1884.18	558.37	557.85	-24.73	0.80	
2078.00	28.200	358.400	1960.92	599.35	598.81	-25.87	0.23	
2166.00	28.400	358.400	2038.40	641.07	640.52	-27.03	0.23	
2253.00	29.100	0.200	2114.68	682.90	682.36	-27.54	1.28	
2342.00	28.200	0.200	2192.78	725.54	725.03	-27.39	1.01	
2431.00	27.600	359.100	2271.44	767.17	766.67	-27.64	0.89	
2521.00	27.200	359.800	2351.34	808.57	808.09	-28.04	0.57	
2611.00	27.000	0.500	2431.46	849.54	849.08	-27.93	0.42	
2700.00	27.000	359.800	2510.76	889.92	889.49	-27.83	0.36	



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Area	COLORADO	Well	SATER 28-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 28-8 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
2789.00	28.000	359.500	2589.70	931.00	930.58	-28.08	1.13	
2878.00	28.300	0.200	2668.18	972.96	972.57	-28.19	0.50	
2966.00	28.300	357.700	2745.66	1014.67	1014.27	-28.95	1.35	
3057.00	28.600	358.000	2825.67	1058.02	1057.60	-30.58	0.37	
3144.00	27.400	358.000	2902.49	1098.87	1098.41	-32.00	1.38	
3234.00	28.200	358.400	2982.10	1140.84	1140.37	-33.32	0.91	
3323.00	28.900	357.700	3060.27	1183.37	1182.88	-34.77	0.87	
3413.00	28.400	357.000	3139.26	1226.52	1225.98	-36.76	0.67	
3503.00	28.200	356.300	3218.50	1269.18	1268.58	-39.26	0.43	
3591.00	27.600	356.600	3296.27	1310.34	1309.67	-41.81	0.70	
3682.00	27.800	357.000	3376.84	1352.63	1351.91	-44.17	0.30	
3769.00	27.800	356.600	3453.80	1393.19	1392.42	-46.43	0.21	
3859.00	26.700	357.000	3533.81	1434.39	1433.56	-48.74	1.24	
3947.00	26.100	359.800	3612.64	1473.51	1472.67	-49.84	1.57	
4038.00	26.400	358.700	3694.25	1513.75	1512.91	-50.37	0.63	
4128.00	26.300	359.800	3774.90	1553.68	1552.85	-50.89	0.55	
4217.00	26.100	359.100	3854.76	1592.96	1592.14	-51.27	0.41	
4306.00	26.800	356.300	3934.44	1632.60	1631.74	-52.87	1.61	
4399.00	27.700	356.600	4017.12	1675.16	1674.24	-55.50	0.98	
4481.00	28.300	358.000	4089.52	1713.65	1712.69	-57.31	1.09	
4570.00	27.600	357.300	4168.14	1755.36	1754.37	-59.02	0.87	
4658.00	27.000	356.600	4246.34	1795.72	1794.68	-61.16	0.77	
4748.00	26.800	357.000	4326.60	1836.43	1835.33	-63.44	0.30	
4836.00	28.200	357.300	4404.66	1877.05	1875.91	-65.46	1.60	
4924.00	29.400	358.400	4481.77	1919.45	1918.28	-67.04	1.49	
5013.00	29.200	358.400	4559.38	1963.00	1961.81	-68.25	0.22	
5100.00	28.500	358.400	4635.59	2004.98	2003.78	-69.43	0.80	
5188.00	27.400	358.700	4713.32	2046.22	2045.01	-70.47	1.26	
5277.00	26.000	359.800	4792.83	2086.20	2084.99	-71.01	1.67	
5322.00	26.100	358.700	4833.26	2105.96	2104.75	-71.26	1.10	
5366.00	25.800	359.100	4872.82	2125.21	2124.00	-71.63	0.79	
5411.00	25.600	359.500	4913.37	2144.72	2143.51	-71.87	0.59	
5456.00	24.400	358.400	4954.15	2163.73	2162.53	-72.22	2.86	
5501.00	23.400	0.200	4995.29	2181.96	2180.76	-72.45	2.75	
5546.00	22.600	0.900	5036.72	2199.52	2198.34	-72.28	1.88	
5590.00	21.200	1.600	5077.54	2215.91	2214.74	-71.92	3.24	
5635.00	19.500	1.200	5119.73	2231.53	2230.39	-71.54	3.79	
5678.00	18.500	359.500	5160.39	2245.51	2244.39	-71.45	2.66	
5722.00	17.800	359.500	5202.20	2259.22	2258.09	-71.57	1.59	
5766.00	17.100	0.500	5244.17	2272.40	2271.28	-71.57	1.73	
5811.00	16.400	359.100	5287.26	2285.36	2284.25	-71.61	1.80	
5857.00	15.600	357.300	5331.48	2298.04	2296.92	-72.01	2.05	
5902.00	13.900	357.000	5375.00	2309.50	2308.37	-72.57	3.78	
5945.00	12.500	358.000	5416.86	2319.32	2318.18	-73.01	3.30	
5989.00	11.700	0.200	5459.88	2328.54	2327.40	-73.16	2.10	



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Area	COLORADO	Well	SATER 28-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 28-8 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
6032.00	11.200	0.200	5502.03	2337.07	2335.93	-73.13	1.16	
6078.00	10.700	358.700	5547.19	2345.80	2344.67	-73.21	1.25	
6121.00	9.700	0.900	5589.51	2353.41	2352.28	-73.24	2.50	
6166.00	9.000	2.600	5633.91	2360.70	2359.59	-73.02	1.67	
6211.00	7.500	3.300	5678.44	2367.14	2366.04	-72.69	3.34	
6256.00	7.100	1.600	5723.08	2372.84	2371.75	-72.45	1.01	
6301.00	6.200	1.200	5767.78	2378.04	2376.96	-72.32	2.00	
6346.00	4.900	2.600	5812.56	2382.38	2381.31	-72.18	2.90	
6391.00	4.600	359.900	5857.41	2386.10	2385.03	-72.10	0.83	
6435.00	4.300	0.500	5901.28	2389.51	2388.45	-72.09	0.69	
6480.00	4.200	0.500	5946.15	2392.84	2391.78	-72.06	0.22	
6525.00	3.800	4.000	5991.04	2395.97	2394.92	-71.94	1.04	
6570.00	3.000	13.200	6035.96	2398.59	2397.55	-71.56	2.15	
6656.00	1.400	11.100	6121.90	2401.79	2400.77	-70.85	1.86	
6744.00	0.800	353.800	6209.88	2403.45	2402.44	-70.71	0.77	
6833.00	0.600	4.700	6298.88	2404.53	2403.52	-70.74	0.27	
6923.00	0.600	337.700	6388.87	2405.44	2404.43	-70.88	0.31	
7013.00	0.500	348.200	6478.87	2406.27	2405.25	-71.14	0.16	
7100.00	0.400	318.000	6565.86	2406.88	2405.84	-71.42	0.29	
7188.00	0.400	280.700	6653.86	2407.18	2406.13	-71.92	0.29	
7277.00	0.500	282.100	6742.86	2407.34	2406.27	-72.61	0.11	
7367.00	0.500	277.500	6832.86	2407.50	2406.40	-73.38	0.04	
7455.00	0.700	252.900	6920.85	2407.42	2406.29	-74.28	0.37	
7545.00	0.600	236.100	7010.85	2407.03	2405.87	-75.19	0.24	
7634.00	0.500	235.000	7099.84	2406.57	2405.39	-75.90	0.11	
7724.00	1.000	231.500	7189.83	2405.89	2404.67	-76.84	0.56	
7814.00	1.600	239.600	7279.81	2404.83	2403.55	-78.53	0.70	
7905.00	1.700	243.800	7370.77	2403.67	2402.31	-80.84	0.17	
7994.00	1.500	247.700	7459.74	2402.72	2401.28	-83.10	0.26	
8083.00	1.600	251.200	7548.70	2401.96	2400.44	-85.36	0.15	
8172.00	1.600	250.800	7637.67	2401.23	2399.63	-87.71	0.01	
8261.00	1.600	253.600	7726.64	2400.55	2398.87	-90.07	0.09	
8350.00	1.400	258.200	7815.60	2400.06	2398.30	-92.33	0.26	
8440.00	1.500	267.700	7905.58	2399.86	2398.03	-94.58	0.29	
8495.00	1.500	262.100	7960.56	2399.78	2397.90	-96.01	0.27	LAST BHI MWD SURVEY
8551.00	1.500	262.100	8016.54	2399.63	2397.70	-97.47	0.00	PROJECTION TO BIT



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Area	COLORADO	Well	SATER 28-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 28-8 awb
Facility	SEC.08-T2N-R67W		

HOLE & CASING SECTIONS Ref Wellbore: SATER 28-8 awb Ref Wellpath: SATER 28-8 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	980.00	965.00	15.00	963.76	0.00	0.00	146.46	1.13
8.625in Casing Surface	15.00	980.00	965.00	15.00	963.76	0.00	0.00	146.46	1.13
7.875in Open Hole	980.00	8551.00	7571.00	963.76	8016.54	146.46	1.13	2397.70	-97.47

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
SATER 28-8 BHL ON PLAT (49'FNL & 2640'FEL, REV-1)		6000.00	2417.11	-83.01	3163800.10	1301719.46	40°09'36.464"N	104°54'50.184"W	point
SATER 28-8 GEO TARGET 50' RADIUS (50'FNL & 2640'FEL, REV-2)		6000.00	2416.11	-83.01	3163800.11	1301718.46	40°09'36.455"N	104°54'50.184"W	circle
SATER 28-8 HARDLINE 50'N OF GEO TARGET		6000.00	2466.11	-83.01	3163799.78	1301768.45	40°09'36.949"N	104°54'50.184"W	point
SATER 28-8 HARLINE 50'W OF GEO TARGET		6000.00	2416.11	-133.01	3163750.12	1301718.13	40°09'36.455"N	104°54'50.828"W	point

WELLPATH COMPOSITION Ref Wellbore: SATER 28-8 awb Ref Wellpath: SATER 28-8 awp

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	917.00	NaviTrak (Standard)	BHI WMD SURVEY 12.25 HOLE <151-917>	SATER 28-8 awb
917.00	8495.00	NaviTrak (Standard)	BHI MWD SURVEY 7.875 HOLE <1013-8495>	SATER 28-8 awb
8495.00	8551.00	Blind Drilling (std)	Projection to bit	SATER 28-8 awb



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Area	COLORADO	Well	SATER 28-8
Field	WELD COUNTY (KERR MCGEE)	Wellbore	SATER 28-8 awb
Facility	SEC.08-T2N-R67W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8495.00	1.500	262.100	7960.56	LAST BHI MWD SURVEY
8551.00	1.500	262.100	8016.54	PROJECTION TO BIT