



Actual Wellpath Report

PINNACLE 25-2 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#27 PINNACLE 25-2 (1066'FNL & 1232'FEL)
Area	COLORADO	Well	PINNACLE 25-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 25-2 AWB
Facility	SEC.02-T1N-R68W		

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	0.999961	Report Generated	5/13/2011 at 11:59:46 AM
Convergence at slot	0.35° East	Database/Source file	Denver Server/PINNACLE_25-2_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	2996.78	2373.68	3149528.44	1274182.87	40°05'05.230"N	104°57'56.142"W
Facility Reference Pt			3147172.67	1271172.18	40°04'35.616"N	104°58'26.681"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 (RKB) to Facility Vertical Datum	4997.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RKB) to Mean Sea Level	4997.00ft
Vertical Reference Pt	XTREME 12 (RKB)	Facility Vertical Datum to Mud Line (Facility)	0.00ft
MD Reference Pt	XTREME 12 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	220.60°



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WELLPATH DATA (92 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	4.000	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	4.000	15.00	0.00	0.00	0.00	0.00	
149.00	1.000	4.000	148.99	-0.94	1.17	0.08	0.75	
242.00	1.300	266.700	241.98	-0.86	1.92	-0.92	1.87	
334.00	2.600	233.600	333.93	1.90	0.62	-3.64	1.81	
427.00	4.400	226.600	426.75	7.50	-3.09	-7.93	1.99	
518.00	6.000	223.800	517.37	15.72	-8.92	-13.76	1.78	
608.00	8.000	223.100	606.70	26.68	-16.89	-21.29	2.22	
699.00	10.200	220.600	696.55	41.06	-27.63	-30.86	2.46	
790.00	10.600	223.800	786.05	57.48	-39.79	-41.90	0.77	
881.00	10.500	225.200	875.52	74.10	-51.67	-53.58	0.30	
950.00	9.700	224.500	943.45	86.17	-60.25	-62.11	1.17	
1041.00	10.000	226.900	1033.10	101.67	-71.11	-73.25	0.56	
1132.00	12.200	224.800	1122.40	119.11	-83.34	-85.80	2.46	
1223.00	14.500	228.700	1210.93	139.98	-97.68	-101.14	2.71	
1313.00	16.800	227.300	1297.59	164.06	-113.94	-119.16	2.59	
1404.00	19.100	227.300	1384.16	191.91	-132.96	-139.77	2.53	
1495.00	19.800	225.500	1469.96	222.05	-153.86	-161.71	1.01	
1586.00	20.300	223.800	1555.45	253.17	-176.05	-183.63	0.84	
1676.00	21.100	225.200	1639.64	284.91	-198.74	-205.93	1.05	
1767.00	23.300	226.600	1723.89	319.14	-222.65	-230.63	2.49	
1858.00	24.100	225.100	1807.21	355.56	-248.13	-256.87	1.10	
1948.00	26.500	225.500	1888.58	393.89	-275.18	-284.21	2.67	
2039.00	26.400	223.700	1970.05	434.32	-304.03	-312.67	0.89	
2130.00	26.400	224.800	2051.56	474.70	-333.02	-340.90	0.54	
2221.00	25.800	224.500	2133.28	514.63	-361.50	-369.03	0.68	
2311.00	26.400	219.900	2214.11	554.18	-390.82	-395.60	2.34	
2402.00	26.600	222.400	2295.55	594.78	-421.38	-422.31	1.25	
2493.00	26.300	226.600	2377.04	635.19	-450.28	-450.70	2.08	
2584.00	27.000	225.200	2458.37	675.83	-478.69	-480.01	1.03	
2675.00	28.400	222.100	2538.94	718.06	-509.31	-509.18	2.21	
2765.00	27.400	224.800	2618.48	760.11	-539.88	-538.12	1.79	
2856.00	27.200	222.400	2699.35	801.79	-570.10	-566.90	1.23	
2947.00	28.000	223.100	2779.99	843.91	-601.06	-595.52	0.95	
3038.00	27.400	224.100	2860.56	886.16	-631.69	-624.69	0.83	
3128.00	26.200	226.600	2940.90	926.59	-660.21	-653.54	1.83	
3219.00	25.400	227.300	3022.83	965.95	-687.25	-682.48	0.94	
3310.00	24.900	226.900	3105.20	1004.38	-713.58	-710.81	0.58	
3401.00	24.300	225.900	3187.94	1042.06	-739.70	-738.24	0.80	
3492.00	23.900	226.600	3271.01	1079.04	-765.39	-765.08	0.54	
3582.00	23.300	226.600	3353.48	1114.87	-790.15	-791.26	0.67	
3673.00	22.300	225.900	3437.37	1149.96	-814.53	-816.74	1.14	
3764.00	22.600	220.100	3521.48	1184.64	-839.93	-840.40	2.46	
3855.00	22.800	213.600	3605.45	1219.64	-867.99	-861.42	2.76	
3946.00	24.200	216.700	3688.90	1255.75	-897.63	-882.33	2.05	



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Area	COLORADO	Well	PINNACLE 25-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 25-2 AWB
Facility	SEC.02-T1N-R68W		

WELLPATH DATA (92 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4036.00	21.500	218.200	3771.83	1290.64	-925.39	-903.56	3.07	
4127.00	22.900	216.700	3856.08	1324.96	-952.69	-924.45	1.66	
4218.00	24.200	208.300	3939.53	1360.86	-983.32	-943.88	3.95	
4309.00	23.900	213.200	4022.63	1397.37	-1015.17	-962.82	2.22	
4400.00	24.900	213.600	4105.51	1434.67	-1046.55	-983.52	1.11	
4491.00	26.300	213.200	4187.57	1473.67	-1079.38	-1005.16	1.55	
4581.00	25.900	210.800	4268.40	1512.82	-1112.95	-1026.14	1.25	
4672.00	25.300	213.500	4350.46	1551.70	-1146.24	-1047.05	1.44	
4763.00	23.000	213.900	4433.49	1588.66	-1177.21	-1067.70	2.53	
4854.00	23.500	214.600	4517.10	1624.36	-1206.90	-1087.92	0.63	
4944.00	24.300	217.100	4599.39	1660.69	-1236.44	-1109.28	1.43	
5035.00	27.700	217.500	4681.17	1700.51	-1268.17	-1133.46	3.74	
5126.00	27.300	215.300	4761.89	1742.41	-1301.98	-1158.39	1.20	
5217.00	24.400	213.600	4843.77	1781.85	-1334.67	-1180.86	3.29	
5307.00	21.400	213.900	4926.67	1816.62	-1363.79	-1200.31	3.34	
5398.00	19.100	214.600	5012.04	1847.92	-1389.83	-1218.02	2.54	
5489.00	17.000	214.200	5098.56	1875.95	-1413.09	-1233.96	2.31	
5580.00	16.000	213.200	5185.81	1901.60	-1434.59	-1248.30	1.14	
5670.00	14.100	211.800	5272.72	1924.74	-1454.29	-1260.87	2.15	
5761.00	12.000	209.400	5361.36	1944.98	-1471.95	-1271.36	2.38	
5852.00	10.100	209.300	5450.67	1962.08	-1487.15	-1279.91	2.09	
5943.00	9.000	208.700	5540.41	1976.87	-1500.35	-1287.23	1.21	
6033.00	7.500	206.900	5629.48	1989.47	-1511.77	-1293.27	1.69	
6124.00	6.100	206.600	5719.83	1999.93	-1521.39	-1298.12	1.54	
6215.00	4.800	203.700	5810.42	2008.26	-1529.20	-1301.82	1.46	
6306.00	3.700	201.600	5901.17	2014.68	-1535.41	-1304.43	1.22	
6396.00	3.000	198.100	5991.02	2019.60	-1540.35	-1306.23	0.81	
6487.00	2.300	201.300	6081.92	2023.53	-1544.32	-1307.63	0.79	
6578.00	1.900	201.600	6172.86	2026.68	-1547.42	-1308.85	0.44	
6668.00	1.700	195.300	6262.81	2029.30	-1550.10	-1309.75	0.31	
6759.00	1.100	190.700	6353.78	2031.27	-1552.26	-1310.27	0.67	
6850.00	0.900	192.800	6444.77	2032.66	-1553.81	-1310.59	0.22	
6941.00	0.200	187.600	6535.77	2033.43	-1554.67	-1310.77	0.77	
7077.00	0.200	69.100	6671.77	2033.42	-1554.82	-1310.58	0.25	
7213.00	0.400	61.700	6807.76	2032.77	-1554.51	-1309.94	0.15	
7349.00	0.600	61.000	6943.76	2031.66	-1553.94	-1308.90	0.15	
7485.00	0.300	74.400	7079.75	2030.69	-1553.50	-1307.93	0.23	
7622.00	0.300	97.200	7216.75	2030.20	-1553.44	-1307.23	0.09	
7758.00	0.400	48.000	7352.75	2029.53	-1553.17	-1306.53	0.22	
7894.00	0.300	23.000	7488.75	2028.72	-1552.53	-1306.03	0.13	
8030.00	0.200	38.200	7624.75	2028.14	-1552.01	-1305.75	0.09	
8166.00	0.200	57.100	7760.75	2027.68	-1551.70	-1305.40	0.05	
8302.00	0.400	46.600	7896.74	2026.98	-1551.24	-1304.86	0.15	
8438.00	0.100	96.200	8032.74	2026.44	-1550.93	-1304.40	0.25	
8575.00	0.400	189.700	8169.74	2026.78	-1551.41	-1304.36	0.31	



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Area	COLORADO	Well	PINNACLE 25-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 25-2 AWB
Facility	SEC.02-T1N-R68W		

WELLPATH DATA (92 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
8637.00	0.300	175.600	8231.74	2027.08	-1551.79	-1304.38	0.21	LAST BHI MWD SURVEY
8687.00	0.300	175.600	8281.74	2027.27	-1552.05	-1304.36	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: PINNACLE 25-2 AWB Ref Wellpath: PINNACLE 25-2 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	936.00	921.00	15.00	929.65	0.00	0.00	-58.55	-60.44
8.625in Casing Surface	15.00	926.00	911.00	15.00	919.80	0.00	0.00	-57.33	-59.23
7.875in Open Hole	926.00	8687.00	7761.00	919.80	8281.74	-57.33	-59.23	-1552.05	-1304.36

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
PINNACLE 25-2 HARDLINE 53'S OF GEO TARGET		6000.00	-1594.28	-1321.10	3148217.03	1272580.72	40°04'49.474"N	104°58'13.138"W	point
PINNACLE 25-2 HARDLINE 64'W OF GEO TARGET		6000.00	-1541.28	-1385.10	3148152.71	1272633.33	40°04'49.998"N	104°58'13.961"W	point
PINNACLE 25-2 GEO TARGET 50' RADIUS (2600'FNL & 2560'FEL, REV-1)		6000.00	-1541.28	-1321.10	3148216.71	1272633.71	40°04'49.998"N	104°58'13.138"W	circle

WELLPATH COMPOSITION Ref Wellbore: PINNACLE 25-2 AWB Ref Wellpath: PINNACLE 25-2 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	881.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <149-881>	PINNACLE 25-2 AWB
881.00	8637.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <950-8637>	PINNACLE 25-2 AWB
8637.00	8687.00	Blind Drilling (std)	Projection to bit	PINNACLE 25-2 AWB



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Area	COLORADO	Well	PINNACLE 25-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 25-2 AWB
Facility	SEC.02-T1N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8637.00	0.300	175.600	8231.74	LAST BHI MWD SURVEY
8687.00	0.300	175.600	8281.74	PROJECTION TO BIT