





# Actual Wellpath Report

PINNACLE 24-2 AWP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#32 PINNACLE 24-2 (1091'FNL & 1202'FEL)
Area	COLORADO	Well	PINNACLE 24-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 24-2 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	6/9/2011 at 11:07:52 AM
Convergence at slot	0.35° East	Database/Source file	WA_DENVER/_PINNACLE_24-2_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	2971.65	2404.75	3149559.65	1274157.92	40°05'04.981"N	104°57'55.742"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	188.55°



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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	349.600	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	349.600	15.00	0.00	0.00	0.00	0.00	
151.00	1.100	349.600	150.99	-1.23	1.28	-0.24	0.81	
243.00	0.600	175.300	242.99	-1.60	1.67	-0.36	1.85	
335.00	2.100	191.400	334.96	0.55	-0.46	-0.65	1.67	
428.00	3.300	185.100	427.85	4.93	-4.80	-1.22	1.33	
519.00	4.900	180.200	518.62	11.39	-11.29	-1.47	1.80	
610.00	6.400	180.200	609.17	20.25	-20.25	-1.50	1.65	
701.00	7.600	183.700	699.49	31.26	-31.33	-1.91	1.40	
791.00	9.400	183.000	788.50	44.51	-44.61	-2.68	2.00	
877.00	10.600	185.100	873.19	59.40	-59.50	-3.75	1.46	
950.00	9.800	185.500	945.04	72.30	-72.37	-4.94	1.10	
1041.00	10.300	191.100	1034.65	88.16	-88.07	-7.25	1.21	
1132.00	11.500	196.400	1124.01	105.28	-104.75	-11.38	1.72	
1222.00	14.400	197.800	1211.71	125.22	-124.02	-17.33	3.24	
1313.00	17.000	200.900	1299.31	149.38	-147.22	-25.54	3.00	
1404.00	18.900	197.100	1385.88	176.96	-173.74	-34.62	2.45	
1494.00	19.500	193.900	1470.87	206.33	-202.26	-42.51	1.35	
1585.00	19.700	187.900	1556.61	236.79	-232.19	-48.27	2.22	
1675.00	19.800	186.500	1641.31	267.19	-262.37	-52.08	0.54	
1766.00	19.200	182.300	1727.10	297.47	-292.63	-54.43	1.68	
1856.00	19.000	183.400	1812.14	326.77	-322.04	-55.89	0.46	
1947.00	19.800	184.400	1897.98	356.90	-352.20	-57.95	0.95	
2038.00	19.100	186.500	1983.78	387.15	-382.36	-60.82	1.09	
2128.00	19.000	188.600	2068.86	416.52	-411.48	-64.68	0.77	
2219.00	17.800	187.900	2155.20	445.24	-439.90	-68.80	1.34	
2310.00	17.400	192.100	2241.95	472.73	-466.98	-73.57	1.46	
2401.00	18.700	195.700	2328.47	500.79	-494.33	-80.37	1.88	
2492.00	18.800	193.900	2414.64	529.86	-522.61	-87.84	0.65	
2582.00	18.900	191.800	2499.81	558.85	-550.96	-94.30	0.76	
2673.00	18.500	186.500	2586.02	588.00	-579.73	-98.95	1.92	
2764.00	18.200	186.200	2672.39	616.63	-608.20	-102.12	0.35	
2855.00	18.500	187.600	2758.76	645.26	-636.64	-105.56	0.59	
2945.00	18.800	185.500	2844.04	674.02	-665.23	-108.84	0.82	
3036.00	19.600	186.200	2929.97	703.91	-695.00	-111.90	0.91	
3127.00	19.300	185.500	3015.78	734.18	-725.14	-114.99	0.42	
3218.00	19.300	183.700	3101.67	764.18	-755.12	-117.40	0.65	
3309.00	19.300	190.400	3187.56	794.20	-784.92	-121.08	2.43	
3399.00	19.700	190.700	3272.40	824.22	-814.46	-126.58	0.46	
3490.00	19.600	188.300	3358.10	854.81	-844.63	-131.64	0.89	
3581.00	17.800	184.800	3444.30	883.96	-873.60	-135.00	2.33	
3672.00	16.700	189.300	3531.21	910.92	-900.36	-138.28	1.90	
3763.00	16.600	195.300	3618.40	936.90	-925.81	-143.82	1.89	
3853.00	19.500	197.400	3703.96	964.52	-952.55	-151.71	3.30	
3944.00	19.100	193.900	3789.85	994.35	-981.49	-159.83	1.34	



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Area	COLORADO	Well	PINNACLE 24-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 24-2 AWB
Facility	SEC.02-T1N-R68W		

## WELLPATH DATA (88 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4035.00	18.500	190.400	3876.00	1023.60	-1010.15	-166.01	1.40	
4126.00	18.300	187.900	3962.35	1052.32	-1038.50	-170.58	0.89	
4217.00	18.600	187.900	4048.67	1081.12	-1067.03	-174.54	0.33	
4307.00	18.700	187.200	4133.94	1109.89	-1095.56	-178.32	0.27	
4398.00	19.300	191.400	4219.99	1139.50	-1124.77	-183.12	1.64	
4489.00	18.900	189.700	4305.98	1169.25	-1154.04	-188.58	0.75	
4580.00	19.300	186.200	4391.97	1199.01	-1183.52	-192.69	1.33	
4670.00	18.400	186.500	4477.15	1228.07	-1212.42	-195.90	1.01	
4761.00	18.200	185.800	4563.54	1256.62	-1240.83	-198.96	0.33	
4851.00	17.700	182.600	4649.17	1284.27	-1268.48	-201.00	1.23	
4942.00	19.700	183.400	4735.36	1313.30	-1297.61	-202.54	2.22	
5033.00	18.200	181.200	4821.42	1342.68	-1327.13	-203.75	1.83	
5123.00	17.200	183.000	4907.16	1369.86	-1354.48	-204.74	1.27	
5214.00	16.500	180.500	4994.26	1396.05	-1380.84	-205.56	1.11	
5305.00	15.600	179.800	5081.71	1420.94	-1405.99	-205.63	1.01	
5396.00	14.900	180.500	5169.50	1444.62	-1429.93	-205.68	0.80	
5486.00	11.500	179.800	5257.11	1464.95	-1450.48	-205.75	3.78	
5577.00	10.000	184.100	5346.52	1481.79	-1467.43	-206.29	1.87	
5668.00	6.500	196.000	5436.57	1494.78	-1480.27	-208.27	4.26	
5759.00	4.800	194.300	5527.12	1503.68	-1488.91	-210.63	1.88	
5849.00	2.700	197.100	5616.92	1509.52	-1494.58	-212.19	2.34	
5940.00	2.200	200.600	5707.84	1513.35	-1498.27	-213.43	0.57	
6031.00	1.900	208.000	5798.78	1516.48	-1501.23	-214.75	0.44	
6122.00	1.600	219.600	5889.74	1518.99	-1503.55	-216.27	0.51	
6258.00	1.100	247.000	6025.70	1521.30	-1505.52	-218.68	0.59	
6394.00	0.700	198.800	6161.69	1522.80	-1506.81	-220.15	0.60	
6530.00	0.400	174.900	6297.68	1524.08	-1508.07	-220.38	0.27	
6667.00	0.400	249.100	6434.68	1524.78	-1508.72	-220.78	0.35	
6803.00	0.200	189.300	6570.68	1525.25	-1509.12	-221.27	0.25	
6939.00	0.200	344.400	6706.68	1525.27	-1509.13	-221.37	0.29	
7075.00	0.200	335.900	6842.68	1524.85	-1508.69	-221.53	0.02	
7212.00	0.700	6.200	6979.67	1523.82	-1507.63	-221.54	0.39	
7348.00	0.600	24.800	7115.66	1522.30	-1506.16	-221.15	0.17	
7484.00	0.300	39.600	7251.66	1521.31	-1505.24	-220.62	0.23	
7620.00	0.300	37.100	7387.66	1520.70	-1504.68	-220.18	0.01	
7756.00	0.500	49.800	7523.65	1519.94	-1504.02	-219.51	0.16	
7893.00	0.500	31.800	7660.65	1518.94	-1503.12	-218.74	0.11	
8029.00	0.500	42.000	7796.64	1517.90	-1502.18	-218.03	0.07	
8165.00	0.600	27.300	7932.64	1516.73	-1501.10	-217.31	0.13	
8301.00	0.600	19.200	8068.63	1515.36	-1499.80	-216.75	0.06	
8437.00	0.800	10.000	8204.62	1513.71	-1498.19	-216.35	0.17	
8484.00	0.600	356.700	8251.61	1513.14	-1497.62	-216.30	0.55	LAST BHI MWD SURVEY
8534.00	0.600	356.700	8301.61	1512.62	-1497.10	-216.33	0.00	PROJECTION TO BIT



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Area	COLORADO	Well	PINNACLE 24-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 24-2 AWB
Facility	SEC.02-T1N-R68W		

HOLE & CASING SECTIONS Ref Wellbore: PINNACLE 24-2 AWB Ref Wellpath: PINNACLE 24-2 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	0.00	932.00	932.00	0.00	927.31	0.00	0.00	-69.29	-4.65
8.625in Casing Surface	15.00	921.00	906.00	15.00	916.48	0.00	0.00	-67.38	-4.47
7.875in Open Hole	921.00	8534.00	7613.00	916.48	8301.61	-67.38	-4.47	-1497.10	-216.33

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
PINNACLE 24-2 HARDLINE 54'S OF GEO TARGET		6000.00	-1562.35	-226.95	3149342.13	1272594.29	40°04'49.542"N	104°57'58.662"W	point
PINNACLE 24-2 GEO TARGET 50' RADIUS (2600'FNL & 1435'FEL, REV-1)		6000.00	-1510.35	-226.95	3149341.82	1272646.29	40°04'50.056"N	104°57'58.662"W	circle

WELLPATH COMPOSITION Ref Wellbore: PINNACLE 24-2 AWB Ref Wellpath: PINNACLE 24-2 AWP				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	877.00	NaviTrak (Standard)	BHI NAVITRAK 12.25 HOLE <151-877>	PINNACLE 24-2 AWB
877.00	8484.00	NaviTrak (Standard)	BHI NAVITRAK 7.875 HOLE <950-8484>	PINNACLE 24-2 AWB
8484.00	8534.00	Blind Drilling (std)	Projection to bit	PINNACLE 24-2 AWB



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Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 24-2 AWB
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## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8484.00	0.600	356.700	8251.61	LAST BHI MWD SURVEY
8534.00	0.600	356.700	8301.61	PROJECTION TO BIT