





Actual Wellpath Report

PINNACLE 17-2 AWP

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INTEQ

REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#29 PINNACLE 17-2 (1078'FNL & 1217'FEL)
Area	COLORADO	Well	PINNACLE 17-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 17-2 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 12:10:54 PM
Convergence at slot	0.35° East	Database/Source file	Denver Server/PINNACLE_17-2_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	2984.03	2389.36	3149544.19	1274170.21	40°05'05.104"N	104°57'55.940"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	210.78°



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WELLPATH DATA (71 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	346.500	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	346.500	15.00	0.00	0.00	0.00	0.00	
149.00	1.100	346.500	148.99	-0.92	1.25	-0.30	0.82	
242.00	1.000	300.100	241.98	-1.55	2.53	-1.21	0.89	
334.00	2.000	235.400	333.95	-0.08	2.02	-3.23	1.97	
426.00	3.300	217.800	425.85	4.01	-0.99	-6.17	1.65	
518.00	4.500	209.400	517.64	10.24	-6.22	-9.57	1.44	
608.00	5.500	204.800	607.29	18.06	-13.22	-13.11	1.20	
699.00	6.500	201.300	697.79	27.48	-21.97	-16.81	1.17	
790.00	6.700	201.300	788.19	37.80	-31.72	-20.61	0.22	
882.00	7.000	205.500	879.54	48.67	-41.78	-24.97	0.63	
950.00	6.500	206.600	947.06	56.64	-48.96	-28.48	0.76	
1041.00	7.800	210.800	1037.36	67.95	-58.87	-33.95	1.54	
1131.00	10.500	215.300	1126.20	82.24	-70.81	-41.81	3.10	
1222.00	10.900	212.900	1215.62	99.10	-84.80	-51.28	0.66	
1313.00	10.100	210.400	1305.10	115.68	-98.91	-59.99	1.01	
1404.00	9.700	208.700	1394.74	131.32	-112.52	-67.71	0.54	
1494.00	7.700	208.700	1483.70	144.92	-124.46	-74.25	2.22	
1585.00	7.800	206.900	1573.87	157.17	-135.31	-79.97	0.29	
1676.00	6.500	210.400	1664.16	168.49	-145.26	-85.37	1.51	
1767.00	5.000	213.200	1754.70	177.60	-153.02	-90.15	1.68	
1858.00	4.200	205.500	1845.41	184.88	-159.35	-93.75	1.11	
1948.00	2.700	213.200	1935.24	190.28	-164.10	-96.33	1.74	
2039.00	1.300	226.200	2026.19	193.42	-166.60	-98.25	1.61	
2130.00	0.900	256.800	2117.17	194.91	-167.48	-99.69	0.77	
2266.00	1.100	265.600	2253.15	196.40	-167.83	-102.03	0.19	
2402.00	0.400	167.200	2389.14	197.50	-168.39	-103.23	0.90	
2538.00	0.400	264.600	2525.14	198.12	-168.90	-103.60	0.44	
2674.00	0.400	358.100	2661.14	198.00	-168.47	-104.09	0.43	
2810.00	0.300	2.600	2797.13	197.29	-167.64	-104.09	0.08	
2946.00	0.500	273.000	2933.13	197.25	-167.25	-104.66	0.43	
3083.00	1.200	202.300	3070.12	198.95	-168.55	-105.80	0.83	
3219.00	1.300	160.500	3206.09	201.34	-171.32	-105.83	0.66	
3355.00	1.300	182.300	3342.05	203.69	-174.31	-105.38	0.36	
3491.00	1.200	167.900	3478.02	206.09	-177.25	-105.14	0.24	
3627.00	0.700	210.400	3614.00	207.96	-179.36	-105.26	0.61	
3763.00	1.000	225.900	3749.99	209.94	-180.90	-106.53	0.28	
3899.00	1.400	242.800	3885.96	212.49	-182.48	-108.86	0.39	
4035.00	1.500	233.300	4021.92	215.54	-184.31	-111.77	0.19	
4171.00	1.200	215.300	4157.88	218.61	-186.53	-114.02	0.38	
4307.00	1.200	129.600	4293.86	220.25	-188.60	-113.74	1.20	
4443.00	0.800	112.000	4429.84	220.32	-189.87	-111.77	0.37	
4579.00	0.400	67.000	4565.83	219.79	-190.04	-110.45	0.43	
4715.00	0.100	71.600	4701.83	219.32	-189.81	-109.90	0.22	
4851.00	0.100	6.900	4837.83	219.12	-189.66	-109.77	0.08	



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Area	COLORADO	Well	PINNACLE 17-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 17-2 AWB
Facility	SEC.02-T1N-R68W		

WELLPATH DATA (71 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4987.00	1.000	355.100	4973.82	218.05	-188.36	-109.86	0.66	
5123.00	1.200	8.600	5109.80	215.76	-185.77	-109.75	0.24	
5259.00	0.600	46.200	5245.78	213.76	-183.87	-109.02	0.60	
5395.00	0.400	31.100	5381.77	212.60	-182.97	-108.26	0.17	
5531.00	0.600	44.800	5517.77	211.43	-182.06	-107.52	0.17	
5667.00	0.500	14.900	5653.76	210.17	-180.98	-106.86	0.22	
5805.00	0.400	15.300	5791.76	209.13	-179.93	-106.58	0.07	
5942.00	0.700	16.300	5928.75	207.86	-178.67	-106.22	0.22	
6078.00	0.800	23.400	6064.74	206.11	-177.00	-105.61	0.10	
6214.00	1.400	29.400	6200.72	203.51	-174.68	-104.42	0.45	
6350.00	0.600	23.700	6336.69	201.14	-172.58	-103.31	0.59	
6486.00	0.500	350.000	6472.69	199.98	-171.34	-103.13	0.24	
6623.00	0.500	350.000	6609.68	199.08	-170.17	-103.34	0.00	
6759.00	0.700	8.600	6745.68	197.86	-168.76	-103.32	0.20	
6895.00	0.500	326.800	6881.67	196.83	-167.44	-103.52	0.34	
7031.00	0.200	341.600	7017.67	196.42	-166.72	-103.92	0.23	
7167.00	0.400	351.000	7153.66	195.90	-166.03	-104.07	0.15	
7303.00	0.600	10.400	7289.66	194.86	-164.86	-104.01	0.19	
7439.00	0.400	350.000	7425.65	193.84	-163.69	-103.97	0.19	
7576.00	0.400	350.000	7562.65	193.11	-162.75	-104.13	0.00	
7712.00	0.500	354.200	7698.65	192.28	-161.69	-104.27	0.08	
7848.00	0.800	13.500	7834.64	190.89	-160.18	-104.11	0.27	
7984.00	0.600	356.300	7970.63	189.40	-158.54	-103.94	0.21	
8120.00	0.600	25.100	8106.62	188.10	-157.19	-103.68	0.22	
8221.00	1.000	335.200	8207.61	187.08	-155.91	-103.83	0.76	LAST BHI MWD SURVEY
8271.00	1.000	335.200	8257.60	186.59	-155.12	-104.19	0.00	PROJECTION TO BIT

HOLE & CASING SECTIONS Ref Wellbore: PINNACLE 17-2 AWB Ref Wellpath: PINNACLE 17-2 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	937.00	922.00	15.00	934.15	0.00	0.00	-47.63	-27.82
8.875in Casing Surface	15.00	925.00	910.00	15.00	922.23	0.00	0.00	-46.39	-27.20
7.875in Open Hole	925.00	8271.00	7346.00	922.23	8257.60	-46.39	-27.20	-155.12	-104.19



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TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
PINNACLE 17-2 GEO TARGET 50' RADIUS (1250'FNL & 1320'FEL, REV-1)		6000.00	-171.95	-102.41	3149442.82	1273997.66	40°05'03.404"N	104°57'57.258"W	circle
PINNACLE 17-2 LEGAL BOX (323'N,477'S,387'W,413'E OF GEO TARGET)		6000.00	-248.95	-89.41	3149456.28	1273920.74	40°05'02.643"N	104°57'57.091"W	square

WELLPATH COMPOSITION Ref Wellbore: PINNACLE 17-2 AWB Ref Wellpath: PINNACLE 17-2 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	882.00	NaviTrak (Standard)	BHI MWD SURVEYS 12.25 HOLE <149-882>	PINNACLE 17-2 AWB
882.00	8221.00	NaviTrak (Standard)	BHI MWD SURVEYS 7.875 HOLE <950-8221>	PINNACLE 17-2 AWB
8221.00	8271.00	Blind Drilling (std)	Projection to bit	PINNACLE 17-2 AWB



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Area	COLORADO	Well	PINNACLE 17-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 17-2 AWB
Facility	SEC.02-T1N-R68W		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8221.00	1.000	335.200	8207.61	LAST BHI MWD SURVEY
8271.00	1.000	335.200	8257.60	PROJECTION TO BIT