

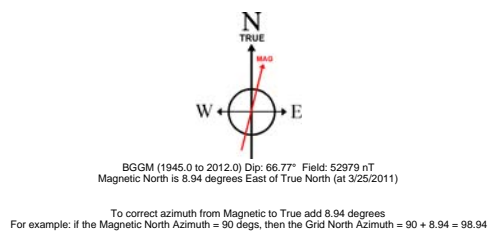
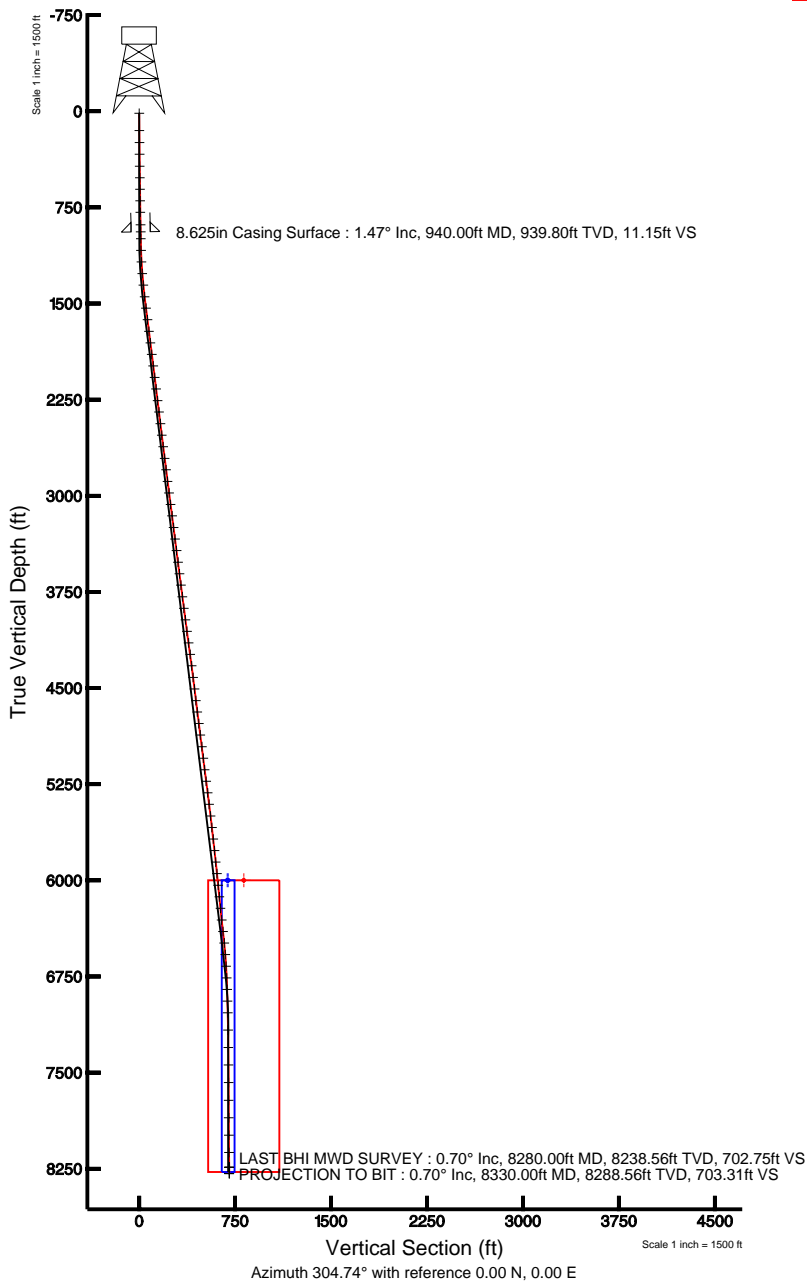
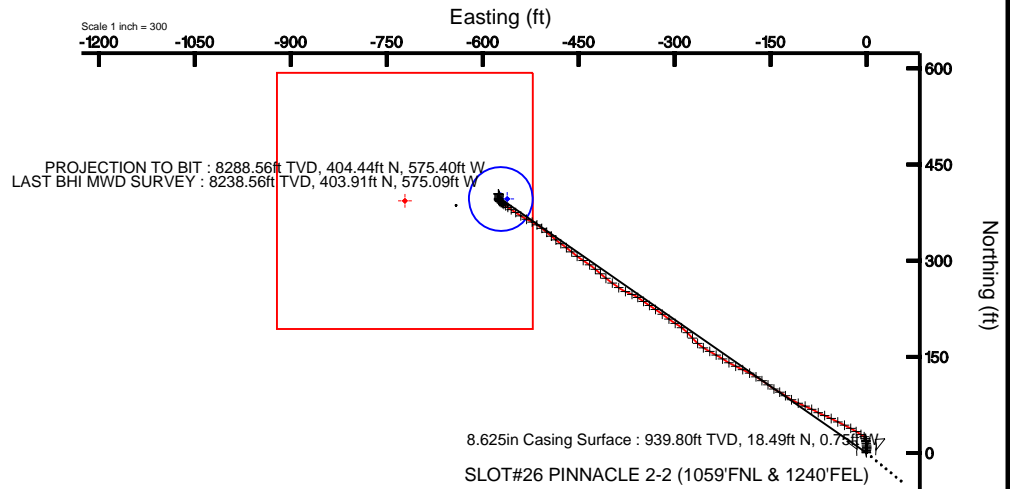


# KERR MCGEE OIL & GAS ONSHORE LP

Location: COLORADO Slot: SLOT#26 PINNACLE 2-2 (1059'FNL & 1240'FEL)  
Field: WELD COUNTY (KERR MCGEE) Well: PINNACLE 2-2  
Facility: SEC.02-T1N-R68W Wellbore: PINNACLE 2-2 PWB



Plot reference wellpath is PINNACLE 2-2 (REV-B.0) PWB	
True vertical depths are referenced to XTREME 12 (RKB)	Grid System: NAD83 / Lambert Colorado State Planes, Northern Zone (501), US feet
Measured depths are referenced to XTREME 12 (RKB)	North Reference: True north
XTREME 12 (RKB) to Mean Sea Level: 4997 feet	Scale: True distance
Mean Sea Level to Mud line (Facility: SEC.02-T1N-R68W): 0 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: cookdamm on 6/9/2011





# Actual Wellpath Report

PINNACLE 2-2 awP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 PINNACLE 2-2 (1059'FNL & 1240'FEL)
Area	COLORADO	Well	PINNACLE 2-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 2-2 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 9:39:56 AM
Convergence at slot	0.35° East	Database/Source file	WA_DENVER/PINNACLE_2-2_awb.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[USft]	Northing[USft]	Latitude	Longitude
Slot Location	3002.97	2366.13	3149520.85	1274189.01	40°05'05.291"N	104°57'56.239"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	304.74°



# Actual Wellpath Report

PINNACLE 2-2 awP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 PINNACLE 2-2 (1059'FNL & 1240'FEL)
Area	COLORADO	Well	PINNACLE 2-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 2-2 awb
Facility	SEC.02-T1N-R68W		

## WELLPATH DATA (89 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	
150.00	1.100	349.600	149.99	0.92	1.27	-0.23	0.81	
244.00	1.000	12.100	243.98	1.87	2.96	-0.22	0.45	
334.00	1.100	13.900	333.96	2.48	4.57	0.15	0.12	
428.00	1.200	8.300	427.94	3.24	6.42	0.51	0.16	
518.00	1.100	356.700	517.92	4.19	8.22	0.59	0.28	
608.00	1.300	354.900	607.90	5.38	10.09	0.45	0.23	
698.00	1.400	351.400	697.88	6.79	12.20	0.20	0.14	
788.00	1.500	351.000	787.85	8.36	14.45	-0.15	0.11	
885.00	1.600	349.300	884.82	10.20	17.03	-0.60	0.11	
994.00	1.400	11.400	993.78	11.81	19.83	-0.62	0.56	
1085.00	2.100	337.700	1084.74	13.65	22.47	-1.03	1.34	
1175.00	2.800	304.300	1174.66	17.23	25.23	-3.48	1.73	
1266.00	4.800	302.900	1265.45	23.26	28.55	-8.51	2.20	
1357.00	6.100	301.100	1356.04	31.89	33.12	-15.85	1.44	
1448.00	6.600	298.700	1446.48	41.92	38.13	-24.57	0.62	
1538.00	7.200	295.900	1535.83	52.64	43.07	-34.18	0.76	
1629.00	7.500	296.600	1626.08	64.15	48.22	-44.62	0.34	
1720.00	7.300	297.600	1716.33	75.77	53.56	-55.06	0.26	
1811.00	6.800	290.900	1806.64	86.73	58.16	-65.21	1.06	
1902.00	7.200	296.900	1896.96	97.61	62.66	-75.33	0.92	
1992.00	7.400	297.300	1986.23	108.95	67.87	-85.51	0.23	
2083.00	7.100	294.100	2076.50	120.29	72.86	-95.85	0.55	
2174.00	7.500	292.300	2166.77	131.61	77.41	-106.48	0.51	
2265.00	7.500	302.200	2256.99	143.35	82.83	-117.00	1.42	
2355.00	7.100	306.000	2346.26	154.78	89.23	-126.47	0.70	
2446.00	6.200	295.500	2436.65	165.25	94.65	-135.46	1.66	
2537.00	6.900	302.200	2527.06	175.56	99.68	-144.52	1.14	
2628.00	7.300	307.100	2617.36	186.80	106.08	-153.76	0.80	
2719.00	7.300	302.900	2707.63	198.35	112.70	-163.22	0.59	
2809.00	6.900	301.800	2796.94	209.47	118.66	-172.62	0.47	
2900.00	7.600	297.600	2887.21	220.90	124.33	-182.60	0.96	
2991.00	7.800	296.200	2977.39	232.98	129.84	-193.47	0.30	
3082.00	7.500	294.800	3067.58	244.93	135.06	-204.40	0.39	
3172.00	7.600	300.800	3156.80	256.65	140.57	-214.85	0.88	
3263.00	7.100	300.800	3247.05	268.27	146.53	-224.85	0.55	
3354.00	7.600	301.800	3337.30	279.89	152.58	-234.79	0.57	
3445.00	7.200	296.900	3427.55	291.55	158.33	-244.99	0.82	
3536.00	7.200	302.500	3517.83	302.90	163.98	-254.89	0.77	
3627.00	7.200	312.400	3608.12	314.25	170.89	-263.91	1.36	
3717.00	7.400	318.000	3697.39	325.48	179.00	-271.95	0.82	
3808.00	7.300	315.500	3787.64	336.86	187.48	-279.93	0.37	
3899.00	7.700	307.200	3877.86	348.63	195.29	-288.83	1.27	
3990.00	7.600	301.500	3968.05	360.73	202.12	-298.82	0.84	



# Actual Wellpath Report

PINNACLE 2-2 awP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 PINNACLE 2-2 (1059'FNL & 1240'FEL)
Area	COLORADO	Well	PINNACLE 2-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 2-2 awb
Facility	SEC.02-T1N-R68W		

## WELLPATH DATA (89 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4080.00	7.600	307.100	4057.27	372.62	208.82	-308.64	0.82	
4171.00	8.800	305.000	4147.33	385.59	216.44	-319.14	1.36	
4262.00	7.600	304.600	4237.40	398.57	223.85	-329.80	1.32	
4352.00	6.900	301.800	4326.68	409.92	230.08	-339.29	0.87	
4443.00	7.300	306.400	4416.98	421.16	236.39	-348.59	0.76	
4534.00	6.300	304.300	4507.34	431.93	242.63	-357.37	1.13	
4625.00	6.900	290.900	4597.75	442.24	247.40	-366.60	1.81	
4715.00	7.300	294.800	4687.06	453.12	251.72	-376.84	0.70	
4806.00	8.100	306.000	4777.24	465.22	257.92	-387.28	1.86	
4896.00	7.700	304.300	4866.39	477.59	265.04	-397.39	0.51	
4988.00	7.700	309.500	4957.56	489.90	272.44	-407.24	0.76	
5079.00	6.300	311.000	5047.88	500.93	279.59	-415.71	1.55	
5169.00	7.100	310.300	5137.26	511.38	286.43	-423.68	0.89	
5260.00	7.500	305.300	5227.52	522.92	293.50	-432.82	0.82	
5351.00	7.600	303.200	5317.74	534.87	300.22	-442.70	0.32	
5442.00	7.100	306.000	5407.99	546.51	306.82	-452.28	0.68	
5533.00	6.600	312.000	5498.34	557.32	313.63	-460.72	0.96	
5624.00	6.900	305.700	5588.71	567.97	320.32	-469.05	0.88	
5714.00	6.800	304.300	5678.07	578.70	326.48	-477.84	0.22	
5805.00	5.600	309.900	5768.53	588.51	332.36	-485.69	1.48	
5895.00	5.800	311.300	5858.09	597.41	338.18	-492.48	0.27	
5986.00	6.400	308.900	5948.57	607.03	344.40	-499.88	0.72	
6077.00	6.100	307.100	6039.03	616.92	350.50	-507.68	0.39	
6168.00	5.500	303.900	6129.57	626.11	355.85	-515.16	0.75	
6258.00	5.500	296.900	6219.15	634.70	360.21	-522.59	0.75	
6349.00	6.800	296.600	6309.63	644.35	364.59	-531.29	1.43	
6440.00	6.500	304.300	6400.02	654.84	369.91	-540.37	1.03	
6530.00	5.700	302.200	6489.51	664.40	375.16	-548.36	0.92	
6621.00	4.700	303.200	6580.13	672.64	379.61	-555.30	1.10	
6712.00	3.300	305.700	6670.91	678.98	383.18	-560.55	1.55	
6803.00	2.400	305.000	6761.79	683.51	385.80	-564.23	0.99	
6893.00	1.900	305.000	6851.73	686.88	387.74	-567.00	0.56	
6984.00	1.600	305.000	6942.69	689.66	389.33	-569.28	0.33	
7075.00	1.200	302.200	7033.66	691.88	390.57	-571.12	0.45	
7211.00	0.900	314.800	7169.64	694.36	392.08	-573.09	0.28	
7347.00	0.700	319.800	7305.62	696.21	393.47	-574.38	0.16	
7483.00	0.700	350.000	7441.61	697.60	394.92	-575.06	0.27	
7620.00	0.500	3.700	7578.61	698.50	396.34	-575.17	0.18	
7758.00	0.700	18.800	7716.60	699.04	397.74	-574.86	0.18	
7895.00	0.700	11.100	7853.59	699.60	399.35	-574.43	0.07	
8031.00	0.900	357.500	7989.58	700.58	401.23	-574.31	0.20	
8166.00	0.500	339.400	8124.57	701.71	402.84	-574.57	0.34	
8280.00	0.700	329.600	8238.56	702.75	403.91	-575.09	0.20	LAST BHI MWD SURVEY
8330.00	0.700	329.600	8288.56	703.31	404.44	-575.40	0.00	PROJECTION TO BIT



# Actual Wellpath Report

PINNACLE 2-2 awP

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INTEQ

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 PINNACLE 2-2 (1059'FNL & 1240'FEL)
Area	COLORADO	Well	PINNACLE 2-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 2-2 awb
Facility	SEC.02-T1N-R68W		

## HOLE & CASING SECTIONS Ref Wellbore: PINNACLE 2-2 awb Ref Wellpath: PINNACLE 2-2 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	940.00	925.00	15.00	939.80	0.00	0.00	18.49	-0.75
8.625in Casing Surface	15.00	940.00	925.00	15.00	939.80	0.00	0.00	18.49	-0.75
7.875in Open Hole	940.00	8330.00	7390.00	939.80	8288.56	18.49	-0.75	404.44	-575.40

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [srv ft]	Grid North [srv ft]	Latitude	Longitude	Shape
PINNACLE 2-2 BHL ON PLAT (660'FNL & 1800'FEL, REV-1)		6000.00	396.36	-561.58	3148956.91	1274581.96	40°05'09.208"N	104°58'03.464"W	point
PINNACLE 2-2 GEO TARGET 50' RADIUS (660'FNL & 1810'FEL, REV-2)		6000.00	396.36	-571.58	3148946.91	1274581.90	40°05'09.208"N	104°58'03.593"W	circle
PINNACLE 2-2 LEGAL BOX (197'N,203'S,50'E,350'W OF GEO TARGET)		6000.00	393.36	-721.58	3148796.94	1274578.00	40°05'09.178"N	104°58'05.523"W	square

## WELLPATH COMPOSITION Ref Wellbore: PINNACLE 2-2 awb Ref Wellpath: PINNACLE 2-2 awP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	885.00	NaviTrak (Standard)	BHI NAVITRAK 12.25 HOLE <150-885>	PINNACLE 2-2 awb
885.00	8280.00	NaviTrak (Standard)	BHI NAVITRAK 7.785 HOLE <994-8280>	PINNACLE 2-2 awb
8280.00	8330.00	Blind Drilling (std)	Projection to bit	PINNACLE 2-2 awb



# Actual Wellpath Report

PINNACLE 2-2 awP

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**INTEQ**

## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#26 PINNACLE 2-2 (1059'FNL & 1240'FEL)
Area	COLORADO	Well	PINNACLE 2-2
Field	WELD COUNTY (KERR MCGEE)	Wellbore	PINNACLE 2-2 awb
Facility	SEC.02-T1N-R68W		

## WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8280.00	0.700	329.600	8238.56	LAST BHI MWD SURVEY
8330.00	0.700	329.600	8288.56	PROJECTION TO BIT