





# Actual Wellpath Report

BRYANT 16-30 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	KERR MCGEE OIL & GAS ONSHORE LP	Slot	SLOT#01 BRYANT 16-30 (284'FSL & 1280'FEL)
Area	COLORADO	Well	BRYANT 16-30
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BRYANT 16-30 AWB
Facility	SEC.30-T2N-R68W		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Colorado SP, Northern Zone (501), US feet	Software System	WellArchitect® 3.0.1
North Reference	True	User	Cookdanm
Scale	0.99996	Report Generated	10/14/2011 at 3:57:14 PM
Convergence at slot	0.30° East	Database/Source file	WA_Denver/BRYANT_16-30_AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	3128275.31	1280721.19	40°06'11.020"N	105°02'29.148"W
Facility Reference Pt			3128275.31	1280721.19	40°06'11.020"N	105°02'29.148"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	4943.00ft
Horizontal Reference Pt	Slot	XTREME 12 (RKB) to Mean Sea Level	4943.00ft
Vertical Reference Pt	XTREME 12 (RKB)	XTREME 12 (RKB) to Mud Line at Slot (SLOT#01 BRYANT 16-30 (284'FSL & 1280'FEL))	4943.00ft
MD Reference Pt	XTREME 12 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	57.56°



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## WELLPATH DATA (75 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
0.00†	0.000	108.900	0.00	0.00	0.00	0.00	0.00	
15.00	0.000	108.900	15.00	0.00	0.00	0.00	0.00	
150.00	0.700	108.900	150.00	0.52	-0.27	0.78	0.52	
242.00	1.400	74.100	241.98	1.94	-0.14	2.39	1.00	
335.00	3.600	46.000	334.89	5.89	2.20	5.59	2.64	
427.00	6.000	45.300	426.56	13.42	7.59	11.08	2.61	
518.00	7.100	44.600	516.97	23.55	14.94	18.41	1.21	
609.00	7.700	49.900	607.21	35.07	22.87	27.02	1.00	
700.00	7.800	49.200	697.38	47.23	30.83	36.36	0.15	
832.00	7.800	53.000	828.16	65.02	42.07	50.30	0.39	
913.00	8.000	54.400	908.39	76.12	48.66	59.27	0.34	
1004.00	8.300	55.900	998.47	89.01	56.03	69.86	0.40	
1090.00	9.700	56.900	1083.41	102.46	63.47	81.07	1.64	
1181.00	10.500	52.700	1173.00	118.39	72.68	94.09	1.19	
1272.00	11.000	58.000	1262.40	135.33	82.31	108.04	1.22	
1362.00	12.300	61.800	1350.55	153.48	91.39	123.78	1.68	
1453.00	14.100	62.200	1439.14	174.20	101.14	142.12	1.98	
1544.00	16.500	62.800	1526.91	198.12	112.22	163.43	2.64	
1635.00	16.500	60.200	1614.16	223.90	124.55	186.13	0.81	
1725.00	16.000	56.200	1700.57	249.06	137.80	207.53	1.36	
1816.00	16.100	55.200	1788.02	274.21	151.98	228.32	0.32	
1907.00	16.400	58.000	1875.39	299.66	165.98	249.57	0.92	
1998.00	16.700	57.300	1962.62	325.58	179.86	271.47	0.40	
2088.00	16.800	56.900	2048.80	351.52	193.94	293.25	0.17	
2179.00	16.100	59.700	2136.08	377.28	207.49	315.16	1.16	
2270.00	16.000	56.900	2223.53	402.43	220.71	336.56	0.86	
2360.00	16.200	59.400	2310.00	427.38	233.87	357.76	0.80	
2451.00	16.400	54.400	2397.35	452.90	247.81	379.13	1.56	
2542.00	17.200	57.600	2484.47	479.18	262.50	400.94	1.34	
2633.00	17.000	56.200	2571.44	505.93	277.11	423.35	0.50	
2723.00	16.700	58.000	2657.58	532.02	291.28	445.25	0.67	
2816.00	16.600	59.000	2746.68	558.66	305.21	467.97	0.33	
2905.00	16.700	59.700	2831.95	584.15	318.21	489.91	0.25	
2995.00	15.300	56.900	2918.46	608.95	331.22	511.02	1.78	
3086.00	14.900	58.700	3006.32	632.65	343.85	531.08	0.68	
3177.00	14.400	59.000	3094.36	655.66	355.76	550.77	0.56	
3268.00	12.700	55.200	3182.83	676.97	367.29	568.69	2.11	
3358.00	9.800	50.200	3271.09	694.45	377.85	582.70	3.40	
3449.00	8.600	54.100	3360.92	708.92	386.79	594.16	1.49	
3540.00	7.000	50.900	3451.07	721.22	394.28	603.97	1.82	
3631.00	5.400	49.200	3541.54	730.97	400.58	611.52	1.77	
3721.00	2.700	50.600	3631.31	737.26	404.69	616.36	3.00	
3812.00	0.900	79.800	3722.26	740.05	406.18	618.72	2.16	
3994.00	0.400	199.600	3904.25	740.88	405.83	619.92	0.63	
4130.00	0.200	114.900	4040.25	740.63	405.28	619.97	0.32	



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Area	COLORADO	Well	BRYANT 16-30
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BRYANT 16-30 AWB
Facility	SEC.30-T2N-R68W		

## WELLPATH DATA (75 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	DLS [°/100ft]	Comments
4266.00	0.400	212.700	4176.25	740.33	404.78	619.93	0.35	
4402.00	1.600	221.100	4312.23	738.08	402.95	618.43	0.89	
4538.00	1.400	218.600	4448.18	734.68	400.22	616.14	0.15	
4674.00	1.100	217.600	4584.15	731.89	397.89	614.31	0.22	
4810.00	1.000	219.300	4720.12	729.53	395.94	612.76	0.08	
4947.00	0.800	249.200	4857.11	727.46	394.67	611.11	0.37	
5083.00	0.900	244.100	4993.09	725.47	393.87	609.26	0.09	
5219.00	0.500	255.200	5129.08	723.84	393.25	607.73	0.31	
5355.00	0.800	284.000	5265.07	722.62	393.33	606.23	0.32	
5491.00	0.800	299.100	5401.06	721.51	394.02	604.48	0.15	
5627.00	0.700	299.800	5537.05	720.68	394.90	602.93	0.07	
5763.00	0.500	297.400	5673.04	719.99	395.58	601.68	0.15	
5900.00	0.600	330.400	5810.03	719.73	396.48	600.80	0.24	
6036.00	0.700	334.300	5946.03	719.86	397.85	600.09	0.08	
6172.00	1.100	347.300	6082.01	720.40	399.87	599.44	0.33	
6308.00	1.400	350.100	6217.98	721.47	402.78	598.87	0.23	
6444.00	1.100	346.600	6353.94	722.54	405.69	598.28	0.23	
6580.00	1.100	7.300	6489.92	723.80	408.25	598.14	0.29	
6716.00	1.200	7.300	6625.89	725.54	410.96	598.49	0.07	
6853.00	1.700	0.300	6762.85	727.56	414.42	598.68	0.39	
6989.00	0.900	4.200	6898.81	729.29	417.50	598.77	0.59	
7125.00	1.100	356.800	7034.79	730.56	419.87	598.78	0.17	
7261.00	0.400	39.900	7170.78	731.65	421.53	599.01	0.63	
7397.00	0.300	287.500	7306.78	731.88	422.01	598.97	0.43	
7533.00	0.800	204.200	7442.77	730.85	421.25	598.24	0.60	
7669.00	2.200	197.500	7578.72	728.06	417.89	597.07	1.04	
7806.00	5.600	152.200	7715.41	725.51	409.47	599.40	3.17	
7987.00	4.300	151.100	7895.73	724.37	395.71	606.80	0.72	
8145.00	3.900	161.000	8053.33	722.76	385.45	611.41	0.51	LAST BHI MWD SURVEY
8195.00	3.900	161.000	8103.21	721.97	382.23	612.52	0.00	PROJECTION TO BIT

## HOLE & CASING SECTIONS - Ref Wellbore: BRYANT 16-30 AWB Ref Wellpath: BRYANT 16-30 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	881.00	866.00	15.00	876.70	0.00	0.00	46.07	55.68
8.625in Casing Surface	15.00	881.00	866.00	15.00	876.70	0.00	0.00	46.07	55.68
7.875in Open Hole	881.00	8195.00	7314.00	876.70	8103.21	46.07	55.68	382.23	612.52



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## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BRYANT 16-30 GEO TARGET 50' RADIUS (660'FSL & 660'FEL, REV-1)		6000.00	395.57	622.42	3128895.65	1281119.95	40°06'14.929"N	105°02'21.138"W	circle
BRYANT 16-30 LEGAL BOX (194'S,206'N,197'W,203'E OF GEO TARGET)		6000.00	401.59	625.42	3128898.62	1281125.99	40°06'14.988"N	105°02'21.099"W	square

## WELLPATH COMPOSITION - Ref Wellbore: BRYANT 16-30 AWB Ref Wellpath: BRYANT 16-30 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	8145.00	NaviTrak (Standard)	BHI MWD SURVEY <150-8145>	BRYANT 16-30 AWB
8145.00	8195.00	Blind Drilling (std)	Projection to bit	BRYANT 16-30 AWB



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Area	COLORADO	Well	BRYANT 16-30
Field	WELD COUNTY (KERR MCGEE)	Wellbore	BRYANT 16-30 AWB
Facility	SEC.30-T2N-R68W		

**WELLPATH COMMENTS**

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
8145.00	3.900	161.000	8053.33	LAST BHI MWD SURVEY
8195.00	3.900	161.000	8103.21	PROJECTION TO BIT