

Planned Wellpath Report

Plan #1
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INTEQ

REFERENCE WELLPATH IDENTIFICATION			
Operator	BC Operating Inc.	Slot	#1_SHL
Area	Chavez County, NM	Well	Macanudo 35 Federal Com #1
Field	Section 35 T13S R27E	Wellbore	#1 PWB
Facility	Macanudo "35" Federal Com		API # 30-005-63857

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico State Planes, Eastern Zone (3001), US feet	Software System	WellArchitect™ 1.2
North Reference	Grid	User	Gomeoscr
Scale	0.999911	Report Generated	09/22/06 at 15:45:50
Wellbore last revised	09/22/06	Database/Source file	WellArchitectDB/#1_P

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North [feet]	East [feet]	Easting [US feet]	Northing [US feet]	Latitude [°]	Longitude [°]
Slot Location	0.00	0.00	582140.44	779105.01	33 08 30.000N	104 12 00.100W
Facility Reference Pt			582140.44	779105.01	33 08 30.000N	104 12 00.100W
Field Reference Pt			582140.44	779105.01	33 08 30.000N	104 12 00.100W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on #1_SHL (RT) to Facility Vertical Datum	0.00 feet
Horizontal Reference Pt	Slot	Rig on #1_SHL (RT) to Mean Sea Level	0.00 feet
Vertical Reference Pt	Rig on #1_SHL (RT)	Facility Vertical Datum to Mud Line (Facility)	0.00 feet
MD Reference Pt	Rig on #1_SHL (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	270.22°

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Field	Section 35 T13S R27E	Wellbore	#1 PWB
Facility	Macanudo "35" Federal Com		

WELLPATH DATA (100 stations) † = interpolated/extrapolated station								
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments
0.00	0.000	270.224	0.00	0.00	0.00	0.00	0.00	Tie On
100.00†	0.000	0.000	100.00	0.00	0.00	0.00	0.00	
200.00†	0.000	0.000	200.00	0.00	0.00	0.00	0.00	
300.00†	0.000	0.000	300.00	0.00	0.00	0.00	0.00	
400.00†	0.000	0.000	400.00	0.00	0.00	0.00	0.00	
500.00†	0.000	0.000	500.00	0.00	0.00	0.00	0.00	
600.00†	0.000	0.000	600.00	0.00	0.00	0.00	0.00	
700.00†	0.000	0.000	700.00	0.00	0.00	0.00	0.00	
800.00†	0.000	0.000	800.00	0.00	0.00	0.00	0.00	
900.00†	0.000	0.000	900.00	0.00	0.00	0.00	0.00	
1000.00†	0.000	0.000	1000.00	0.00	0.00	0.00	0.00	
1100.00†	0.000	0.000	1100.00	0.00	0.00	0.00	0.00	
1200.00†	0.000	0.000	1200.00	0.00	0.00	0.00	0.00	
1300.00†	0.000	0.000	1300.00	0.00	0.00	0.00	0.00	
1400.00†	0.000	0.000	1400.00	0.00	0.00	0.00	0.00	
1500.00†	0.000	0.000	1500.00	0.00	0.00	0.00	0.00	
1600.00†	0.000	0.000	1600.00	0.00	0.00	0.00	0.00	
1700.00†	0.000	0.000	1700.00	0.00	0.00	0.00	0.00	
1800.00†	0.000	0.000	1800.00	0.00	0.00	0.00	0.00	
1900.00†	0.000	0.000	1900.00	0.00	0.00	0.00	0.00	
2000.00†	0.000	0.000	2000.00	0.00	0.00	0.00	0.00	
2100.00†	0.000	0.000	2100.00	0.00	0.00	0.00	0.00	
2200.00†	0.000	0.000	2200.00	0.00	0.00	0.00	0.00	
2300.00†	0.000	0.000	2300.00	0.00	0.00	0.00	0.00	
2400.00†	0.000	0.000	2400.00	0.00	0.00	0.00	0.00	
2500.00†	0.000	0.000	2500.00	0.00	0.00	0.00	0.00	
2600.00†	0.000	0.000	2600.00	0.00	0.00	0.00	0.00	
2700.00†	0.000	0.000	2700.00	0.00	0.00	0.00	0.00	
2800.00†	0.000	0.000	2800.00	0.00	0.00	0.00	0.00	
2900.00†	0.000	0.000	2900.00	0.00	0.00	0.00	0.00	
3000.00†	0.000	0.000	3000.00	0.00	0.00	0.00	0.00	
3100.00†	0.000	0.000	3100.00	0.00	0.00	0.00	0.00	
3200.00†	0.000	0.000	3200.00	0.00	0.00	0.00	0.00	
3300.00†	0.000	0.000	3300.00	0.00	0.00	0.00	0.00	
3400.00†	0.000	0.000	3400.00	0.00	0.00	0.00	0.00	
3500.00†	0.000	0.000	3500.00	0.00	0.00	0.00	0.00	
3600.00†	0.000	0.000	3600.00	0.00	0.00	0.00	0.00	
3700.00†	0.000	0.000	3700.00	0.00	0.00	0.00	0.00	
3800.00†	0.000	0.000	3800.00	0.00	0.00	0.00	0.00	
3900.00†	0.000	0.000	3900.00	0.00	0.00	0.00	0.00	

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Operator	BC Operating Inc.	Slot	#1_SHL
Area	Chavez County, NM	Well	Macanudo 35 Federal Com #1
Field	Section 35 T13S R27E	Wellbore	#1 PWB
Facility	Macanudo "35" Federal Com		

WELLPATH DATA (100 stations) † = interpolated/extrapolated station								
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments
4000.00†	0.000	0.000	4000.00	0.00	0.00	0.00	0.00	
4100.00†	0.000	0.000	4100.00	0.00	0.00	0.00	0.00	
4200.00†	0.000	0.000	4200.00	0.00	0.00	0.00	0.00	
4300.00†	0.000	0.000	4300.00	0.00	0.00	0.00	0.00	
4400.00†	0.000	0.000	4400.00	0.00	0.00	0.00	0.00	
4500.00†	0.000	0.000	4500.00	0.00	0.00	0.00	0.00	
4600.00†	0.000	0.000	4600.00	0.00	0.00	0.00	0.00	
4700.00†	0.000	0.000	4700.00	0.00	0.00	0.00	0.00	
4800.00†	0.000	0.000	4800.00	0.00	0.00	0.00	0.00	
4900.00†	0.000	0.000	4900.00	0.00	0.00	0.00	0.00	
5000.00†	0.000	0.000	5000.00	0.00	0.00	0.00	0.00	
5100.00†	0.000	0.000	5100.00	0.00	0.00	0.00	0.00	
5200.00†	0.000	0.000	5200.00	0.00	0.00	0.00	0.00	
5300.00†	0.000	0.000	5300.00	0.00	0.00	0.00	0.00	
5400.00†	0.000	0.000	5400.00	0.00	0.00	0.00	0.00	
5500.00	0.000	270.224	5500.00	0.00	0.00	0.00	0.00	KOP
5600.00†	14.310	270.224	5598.96	12.42	0.05	-12.42	14.31	
5700.00†	28.620	270.224	5691.79	48.92	0.19	-48.92	14.31	
5800.00†	42.930	270.224	5772.71	107.23	0.42	-107.23	14.31	
5900.00†	57.240	270.224	5836.71	183.73	0.72	-183.73	14.31	
6000.00†	71.550	270.224	5879.81	273.68	1.07	-273.67	14.31	
6100.00†	85.860	270.224	5899.35	371.48	1.45	-371.48	14.31	
6135.97	91.007	270.224	5900.33	407.43	1.59	-407.42	14.31	EOC
6200.00†	91.007	270.224	5899.20	471.45	1.84	-471.45	0.00	
6300.00†	91.007	270.224	5897.45	571.43	2.23	-571.43	0.00	
6400.00†	91.007	270.224	5895.69	671.42	2.62	-671.41	0.00	
6500.00†	91.007	270.224	5893.93	771.40	3.01	-771.40	0.00	
6600.00†	91.007	270.224	5892.17	871.39	3.40	-871.38	0.00	
6700.00†	91.007	270.224	5890.42	971.37	3.79	-971.36	0.00	
6800.00†	91.007	270.224	5888.66	1071.36	4.18	-1071.35	0.00	
6900.00†	91.007	270.224	5886.90	1171.34	4.57	-1171.33	0.00	
7000.00†	91.007	270.224	5885.15	1271.33	4.96	-1271.32	0.00	
7100.00†	91.007	270.224	5883.39	1371.31	5.35	-1371.30	0.00	
7200.00†	91.007	270.224	5881.63	1471.29	5.74	-1471.28	0.00	
7300.00†	91.007	270.224	5879.87	1571.28	6.13	-1571.27	0.00	
7400.00†	91.007	270.224	5878.12	1671.26	6.52	-1671.25	0.00	
7500.00†	91.007	270.224	5876.36	1771.25	6.91	-1771.23	0.00	
7600.00†	91.007	270.224	5874.60	1871.23	7.30	-1871.22	0.00	
7700.00†	91.007	270.224	5872.85	1971.22	7.69	-1971.20	0.00	
7800.00†	91.007	270.224	5871.09	2071.20	8.08	-2071.19	0.00	

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Field	Section 35 T13S R27E	Wellbore	#1 PWB
Facility	Macanudo "35" Federal Com		

WELLPATH DATA (100 stations) † = interpolated/extrapolated station								
MD [feet]	Inclination [°]	Azimuth [°]	TVD [feet]	Vert Sect [feet]	North [feet]	East [feet]	DLS [°/100ft]	Design Comments
7900.00†	91.007	270.224	5869.33	2171.19	8.47	-2171.17	0.00	
8000.00†	91.007	270.224	5867.57	2271.17	8.86	-2271.15	0.00	
8100.00†	91.007	270.224	5865.82	2371.16	9.25	-2371.14	0.00	
8200.00†	91.007	270.224	5864.06	2471.14	9.64	-2471.12	0.00	
8300.00†	91.007	270.224	5862.30	2571.12	10.03	-2571.10	0.00	
8400.00†	91.007	270.224	5860.55	2671.11	10.42	-2671.09	0.00	
8500.00†	91.007	270.224	5858.79	2771.09	10.81	-2771.07	0.00	
8600.00†	91.007	270.224	5857.03	2871.08	11.20	-2871.06	0.00	
8700.00†	91.007	270.224	5855.27	2971.06	11.59	-2971.04	0.00	
8800.00†	91.007	270.224	5853.52	3071.05	11.98	-3071.02	0.00	
8900.00†	91.007	270.224	5851.76	3171.03	12.37	-3171.01	0.00	
9000.00†	91.007	270.224	5850.00	3271.02	12.76	-3270.99	0.00	
9100.00†	91.007	270.224	5848.25	3371.00	13.15	-3370.98	0.00	
9200.00†	91.007	270.224	5846.49	3470.99	13.54	-3470.96	0.00	
9300.00†	91.007	270.224	5844.73	3570.97	13.93	-3570.94	0.00	
9400.00†	91.007	270.224	5842.97	3670.95	14.32	-3670.93	0.00	
9500.00†	91.007	270.224	5841.22	3770.94	14.71	-3770.91	0.00	
9600.00†	91.007	270.224	5839.46	3870.92	15.10	-3870.89	0.00	
9682.41†	91.007	270.224	5838.01	3953.32	15.43	-3953.29	0.00	
9683.11	91.007	270.224	5838.00 ¹	3954.02	15.43	-3953.99	0.00	BHL

TARGETS									
Name	MD [feet]	TVD [feet]	North [feet]	East [feet]	Grid East [us survey feet]	Grid North [us survey feet]	Latitude [°]	Longitude [°]	Shape
1) #1_BHL	9683.11	5838.00	15.43	-3953.99	578186.80	779120.44	33 08 30.200N	104 12 46.600W	point

BC Operating Inc.

Location: Chavez County, NM
 Field: Section 35 T13S R27E
 Facility: Macanudo 35 Federal Com #1

Well: Macanudo 35 Federal Com #1
 Wellbore: #1 PWB

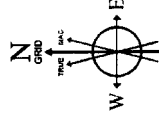
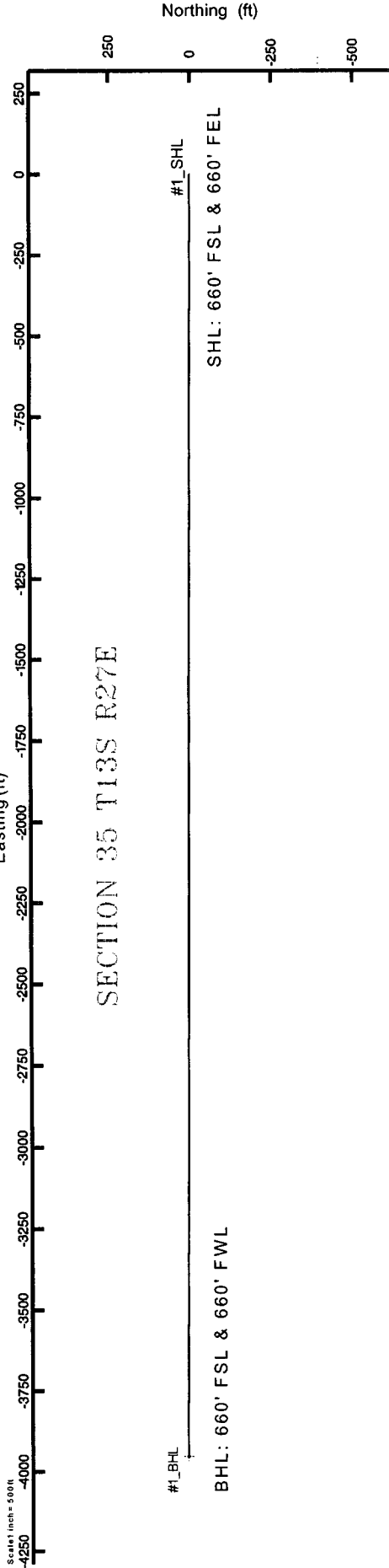


Well Profile Data

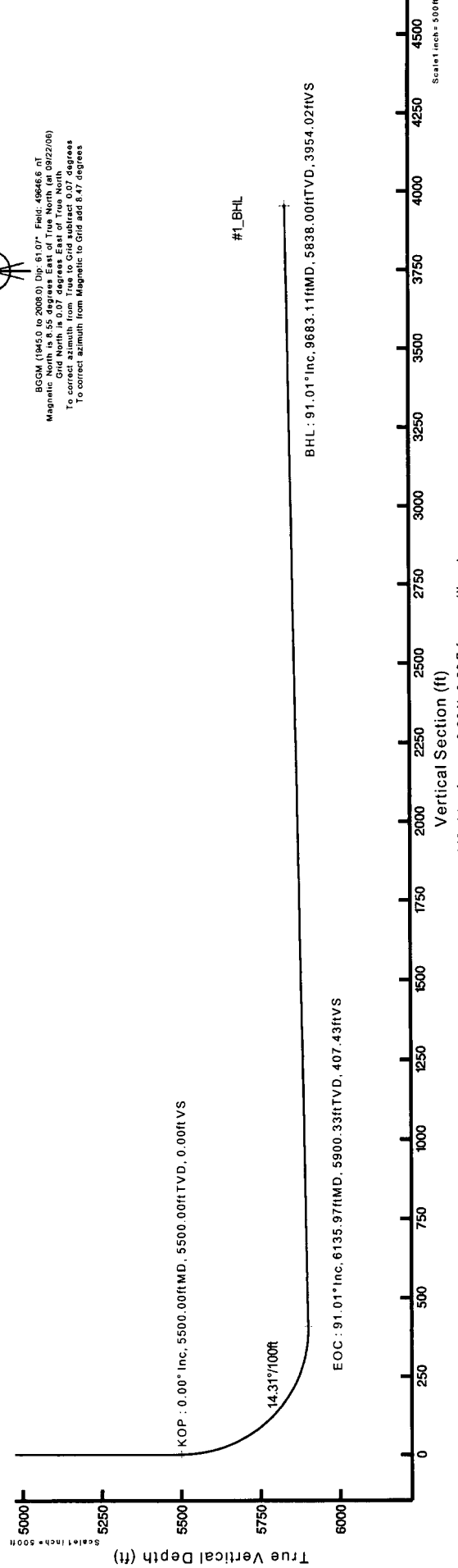
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	0.00	0.000	270.224	0.00	0.00	0.00	0.00	0.00
KOP	5500.00	0.000	270.224	5500.00	0.00	0.00	0.00	0.00
EOC	6135.97	91.007	270.224	5900.33	159	-407.42	14.31	407.43
BHL	9683.11	91.007	270.224	5838.00	15.43	-3953.99	0.00	3954.02

Plot reference wellbore: #1 PWB	Grid System: NAD83 / TM New Mexico State Plane (Eastern Zone) (3001) US Feet
True vertical depth reference: Rigon #1, SHL (RT)	North Reference: Grid North
Measured depth reference: Rigon #1, SHL (RT)	Scale: True distance
Rigon #1, SHL (RT) to Mean Sea Level: 0 feet	Depth in feet
Mean Sea Level to Madeline (Facility: Macanudo 35 Federal Com) 0 feet	Created by: gmcgover on 9/22/2006
Coordinate reference: Easting (ft)	

Easting (ft)



BGM (1945.0 to 2008.0) Dip: 61.07° Field: 4946.6 nT
 Magnetic North is 8.55 degrees East of True North (at 09/22/06)
 To correct azimuth from True to Grid add 8.55 degrees
 To correct azimuth from Magnetic to Grid add 8.57 degrees



Vertical Section (ft)

Scale: inch = 500 ft