

**ROSA UNIT #46A
BLANCO MV/BASIN DK**

Surface Location:

10' FSL and 2470' FEL
SW/4 SE/4 Sec 08(O), T31N, R5W
Rio Arriba, NM

Bottom Hole Location:

1029' FSL and 1686' FEL
SW/4 SE/4 Sec 08(O), T31N, R5W
Rio Arriba, NM

Elevation: 6191' GR
API # 3C-039-26986

Spud: 09/27/02

Completed: 11/06/02

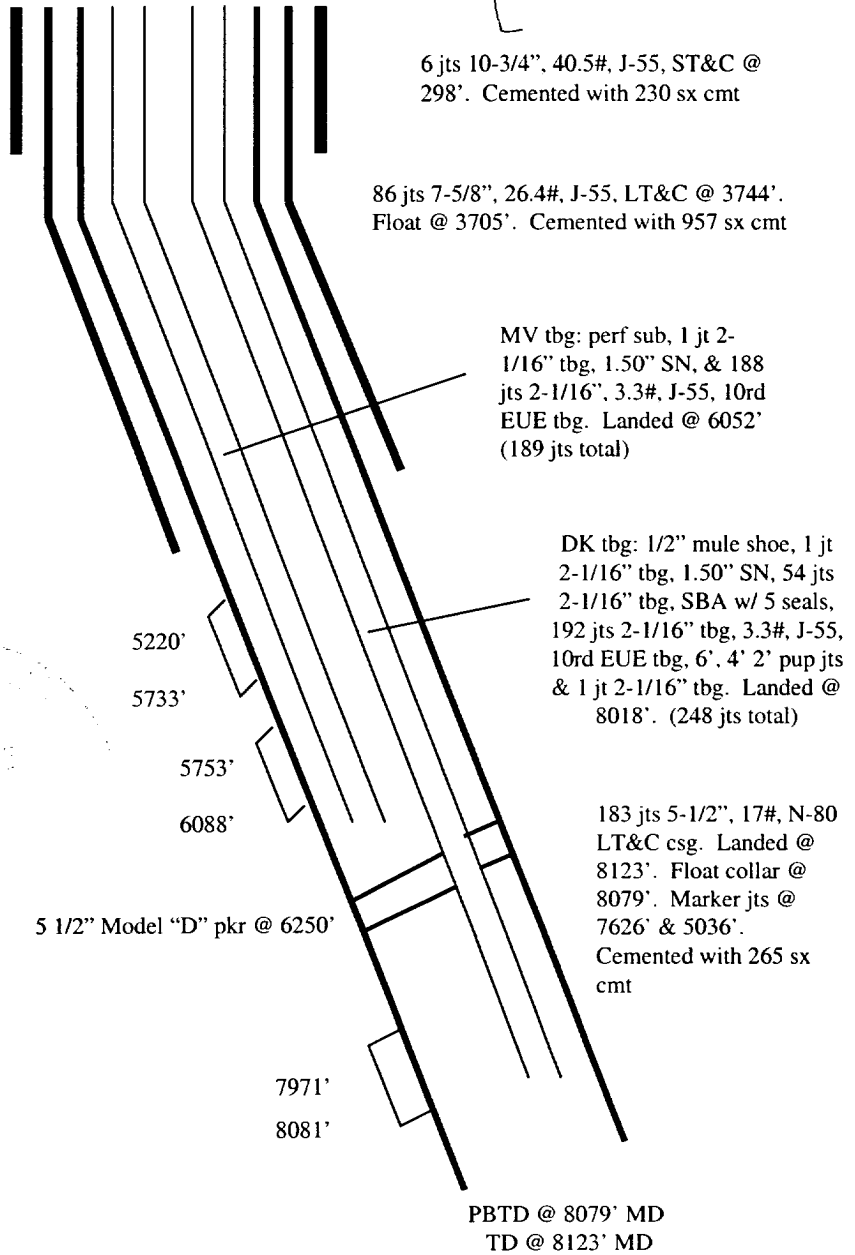
<u>Top</u>	<u>MD</u> <u>Depth</u>
Pictured Cliffs	3244'
Lewis	3599'
Cliffhouse Ss.	5496'
Menefee	5544'
Point Lookout	5748'
Mancos	7786'
Dakota	7969'

Stimulation:

Cliffhouse/Menefee: 5220' - 5733' (25, 0.38" holes) Frac with 80,000# 20/40 sand in 1745 bbls gelled water.

Point Lookout: 5753' - 6088' (29, 0.38" holes) Frac with 80,000# 20/40 sand in 1891 bbls gelled water.

Dakota: 7971' - 8081' (21, 0.42" holes) Frac with 95,900# sand in 1283 bbls gelled water.



Hole Size	Casing	Cement	Volume	Top of Cmt
14-3/4"	10-3/4", 40.5#	230 sx	325 cu. ft.	Surface
9-7/8"	7-5/8", 26.4#	957 sx	1607 cu. ft.	Surface
6-3/4"	5-1/2", 17#	265 sx	557 cu. ft.	2550'