

**ROSA UNIT #164B
BLANCO MV/BASIN DK**

Surface Location:

1475' FSL and 1235' FEL
NW/4 SE/4 Sec 01(J), T31N, R6W
Rio Arriba, NM

Spud: 09/02/02

Completed: 11/02/02

Bottom Hole Location:

465' FSL and 1078' FWL
SE/4 SW/4 Sec 01(N), T31N, R6W
Rio Arriba, NM

Elevation: 6317' GR
API # 30-039-27242

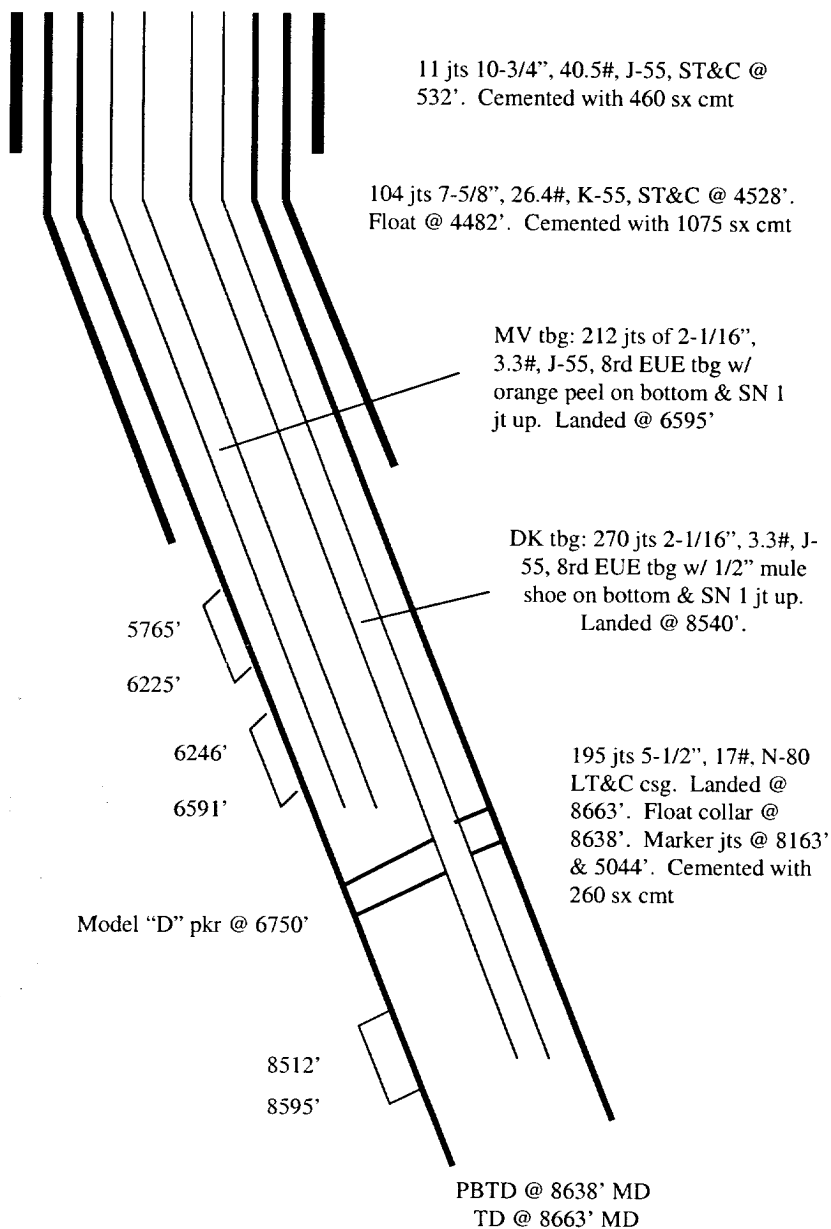
<u>Top</u>	<u>MD</u> <u>Depth</u>
Pictured Cliffs	3650'
Lewis	4029'
Cliffhouse Ss.	5993'
Menefee	6050'
Point Lookout	6261'
Mancos	8321'
Dakota	8514'

Stimulation:

Cliffhouse/Menefee: 5765' - 6225' (21, 0.38" holes) Frac with 80,000# 20/40 sand in 1910 bbls fluid.

Point Lookout: 6246' - 6591' (23, 0.38" holes) Frac with 80,480# 20/40 sand in 1893 bbls fluid.

Dakota: 8512' - 8595' (18, 0.42" holes) Frac with 88,780# 20/40 Ottawa sand, 6080# 14/30 Flex sand & 4500# 100 Mesh sand in 1332 bbls fluid.



Hole Size	Casing	Cement	Volume	Top of Cmt
14-3/4"	10-3/4", 40.5#	460 sx	649 cu. ft.	Surface
9-7/8"	7-5/8", 26.4#	1075 sx	1953 cu. ft.	Surface
6-3/4"	5-1/2", 17#	260 sx	557 cu. ft.	3950'