

**ROSA UNIT #13A
BLANCO MESAVERDE**

Location:

1530' FNL and 815' FWL
SE/4 NW/4 Sec 31(F), T31N R05W
Rio Arriba, New Mexico
Elevation: 6507' GR

Spud date : 5/04/00

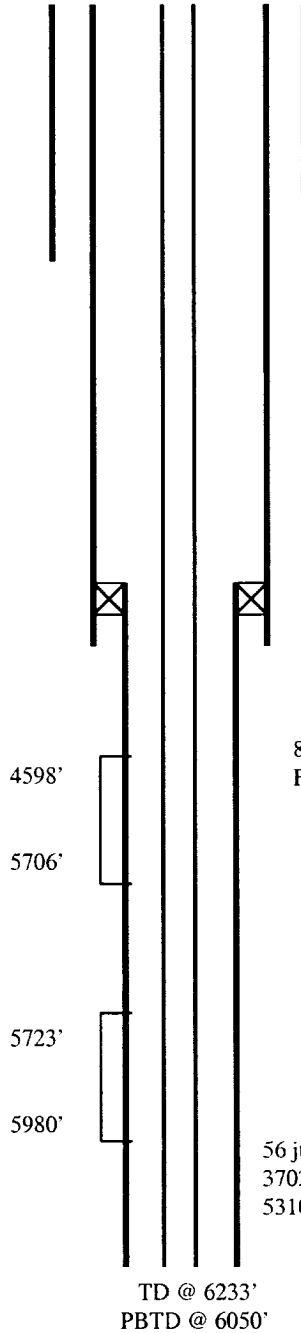
Completed: 6/2000

Top	Depth
Pictured Cliffs	3324'
Lewis	3658'
CliffHouse	5508'
Menefee	5549'
Point Lookout	5787'
Mancos	6118'

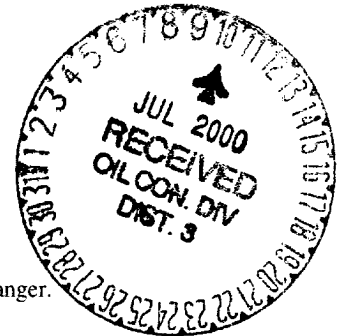
STIMULATION

CliffHouse/Menefee: 4598' - 5706'
(34, 0.38" holes) Frac with 80,000#
20/40 sand in 1923 bbls slick water.

Point Lookout: 5723' - 5980' (37,
0.38" holes) Frac with 80,000# 20/40
sand in 1927 bbls slick water.



6 jts 9-5/8", 36#, K-55, ST&C csg. Landed @ 284'
Cemented with 140 sx cmt



4 1/2" X 7" TIW liner hanger.
TOL @ 3702'

87 jts 7", 20#, K-55, ST&C csg. Landed @ 3813'.
Float @ 3769'. Cemented with 620 sx cmt.

192 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbq w/
1/2" mule shoe on bottom and SN 1 jt up.
Landed @ 5967'

56 jts 4-1/2", 10.5#, K-55 ST&C csg. Landed @
3702' - 6233'. Latch collar @ 6211' & marker jt @
5310'. Cemented with 275 sx cmt

Hole Size	Casing	Cement	Volume	Top Of CMT
12-1/4"	9-5/8", 36#	140 sx	195 cu. Ft.	surface
8-3/4"	7", 20#	620 sx	1170 cu ft.	surface
6-1/4"	4-1/2", 10.5#	275 sx	400 cu. Ft.	3702'