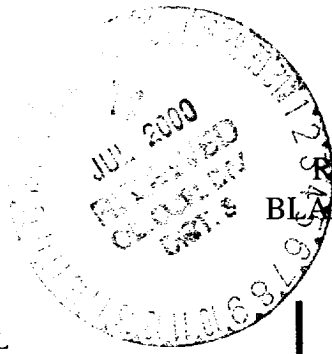




ROSA UNIT #182
BLANCO MESAVERDE

Location:

1085' FSL and 790' FWL
SE/4 SW/4 Sec 18(N), T31N R05W
Rio Arriba, New Mexico
Elevation: 6335' GR

Spud date : 5/27/00

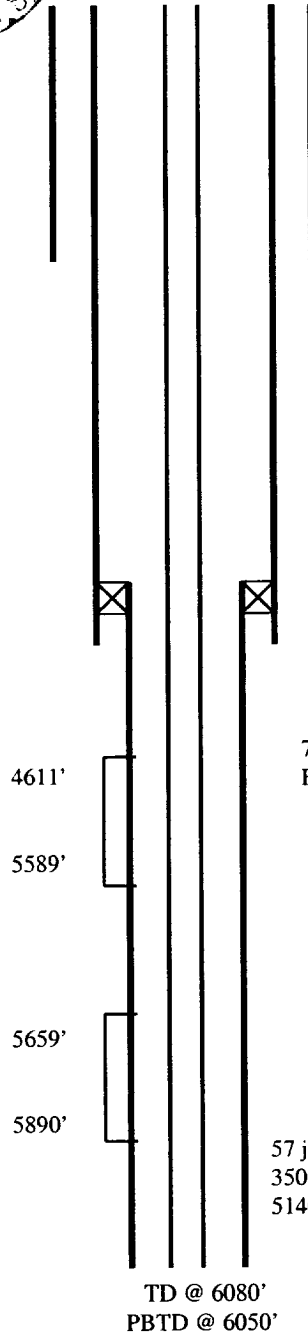
Completed: 7/7/00

Top	Depth
Pictured Cliffs	3197'
Lewis	3642'
CliffHouse	5389'
Menefee	5430'
Point Lookout	5656'

STIMULATION

CliffHouse/Menefee: 4611' - 5589'
(27, 0.38" holes) Frac with 80,000#
20/40 sand in 1918 bbls slick water.

Point Lookout: 5659' - 5890' (33,
0.38" holes) Frac with 80,000# 20/40
sand in 1937 bbls slick water.



6 jts 9-5/8", 36#, K-55, ST&C csg. Landed @ 287'
Cemented with 130 sx cmt

4 1/2" X 7" TIW liner hanger.
TOL @ 3505'

79 jts 7", 20#, K-55, ST&C csg. Landed @ 3678'.
Float @ 3638'. Cemented with 585 sx cmt.

189 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg w/
1/2" mule shoe on bottom and SN 1 jt up.
Landed @ 5891'

57 jts 4-1/2", 10.5#, K-55 ST&C csg. Landed @
3505' - 6080'. Latch collar @ 6060' & marker jt @
5140'. Cemented with 270 sx cmt

Hole Size	Casing	Cement	Volume	Top Of CMT
12-1/4"	9-5/8", 36#	130 sx	176 cu. ft.	surface
8-3/4"	7", 20#	585 sx	1104 cu. ft.	surface
6-1/4"	4-1/2", 10.5#	270 sx	391 cu. ft.	3505'