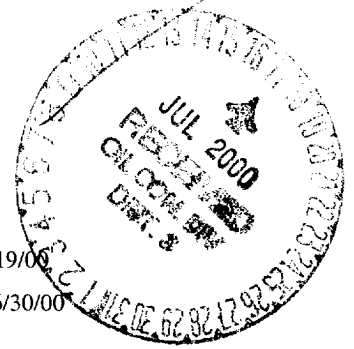


ROSA UNIT #163A
BLANCO MESAVERDE



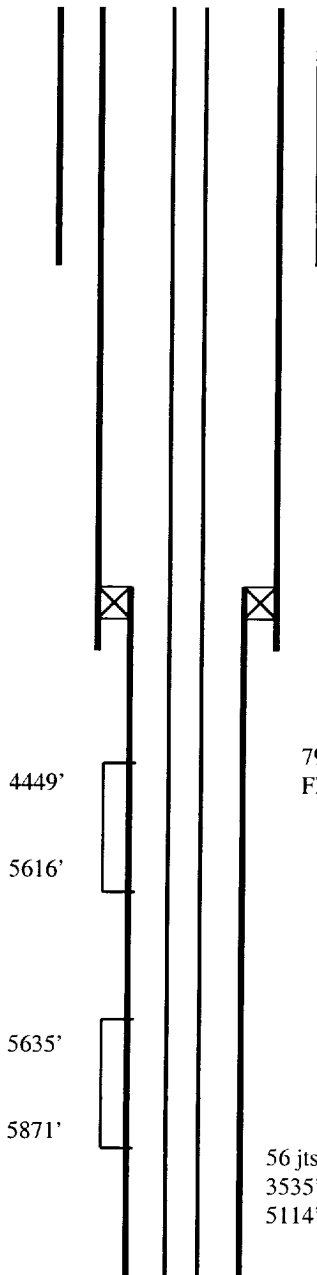
Spud date: 5/19/00

Completed: 6/30/00

Location:

1025' FSL and 790' FEL
SW/4 SE/4 Sec 24(O), T31N R06W
Rio Arriba, New Mexico
Elevation: 6064' GR

<u>Top</u>	<u>Depth</u>
Pictured Cliffs	3170'
Lewis	3570'
CliffHouse	5379'
Menefee	5408'
Point Lookout	5634'



6 jts 9-5/8", 36#, K-55, ST&C csg. Landed @ 294'
Cemented with 130 sx cmt

4 1/2" X 7" TIW liner hanger.
TOL @ 3535'

79 jts 7", 20#, K-55, ST&C csg. Landed @ 3939'.
Float @ 3592'. 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 @ 5847'

56 jts 4-1/2", 10.5#, K-55 ST&C csg. Landed @
3535' - 6065'. Latch collar @ 6042' & marker jt @
5114'. Cemented with 255 sx cmt

STIMULATION

CliffHouse/Menefee: 4449' - 5616'
(27, 0.38" holes) Frac with 71,000#
20/40 sand in 1916 bbls slick water.

Point Lookout: 5635' - 5871' (33,
0.38" holes) Frac with 83,000# 20/40
sand in 1921 bbls slick water.

TD @ 6065'
PBTD @ 5950'

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	1094 cu ft.	surface
6-1/4"	4-1/2", 10.5#	255 sx	371 cu. Ft.	3535'