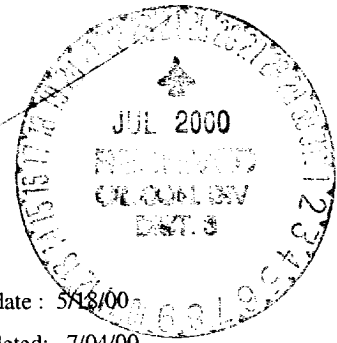


ROSA UNIT #166A
BLANCO MESA VERDE



Spud date : 5/18/00

Completed: 7/04/00

Location:

1680' FNL and 790' FWL
SE/4 NW/4 Sec 30(F), T31N R05W
Rio Arriba, New Mexico
Elevation: 6350' GR

<u>Top</u>	<u>Depth</u>
Pictured Cliffs	3194'
Lewis	3634'
CliffHouse	5421'
Menefee	5450'
Point Lookout	5632'

6 jts 9-5/8", 36#, K-55, ST&C csg. Landed @ 299'
Cemented with 150 sx cmt

4 1/2" X 7" TIW liner hanger.
TOL @ 3537'

80 jts 7", 20#, K-55, ST&C csg. Landed @ 3669'.
Float @ 3620'. Cemented with 590 sx cmt.

188 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbq w/
1/2" mule shoe on bottom and SN 1 jt up.
Landed @ 5872'

STIMULATION

CliffHouse/Menefee: 4473' - 5619'
(29, 0.38" holes) Frac with 78,000#
20/40 sand in 2149 bbls slick water.

Point Lookout: 5635' - 5902' (35,
0.38" holes) Frac with 84,000# 20/40
sand in 1941 bbls slick water.

4473'
5619'
5635'
5902'

57 jts 4-1/2", 10.5#, K-55 ST&C csg. Landed @
3537' - 6105'. Latch collar @ 6085' & marker jt @
5139'. Cemented with 255 sx cmt

TD @ 6105'
PBTD @ 6000'

Hole Size	Casing	Cement	Volume	Top Of CMT
12-1/4"	9-5/8", 36#	150 sx	203 cu. Ft.	surface
8-3/4"	7", 20#	590 sx	1104 cu ft.	surface
6-1/4"	4-1/2", 10.5#	255 sx	372 cu. Ft.	3472'