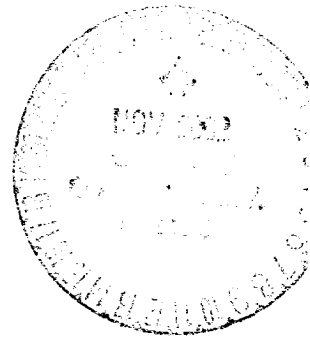


ROSA UNIT #9B BLANCO MESAVERDE

Spud: 10/08/02

Completed: 11/13/02



Location:

1405' FNL and 510' FWL
SW/4 NW/4 Sec 11(E), T31N R6W
Rio Arriba, New Mexico

Elevation: 6308' GR
API # 30-039-27042

Top	Depth
Pictured Cliffs	3100'
Lewis	3422'
Cliffhouse	5023'
Menefee	5396'
Point Lookout	5614'

Whipstock set @ 5635'

Bit, hammer &
bit sub in hole
Open hole to
5735'

11 jts 9-5/8", 36#, K-55 csg. Landed @ 521'
Cemented with 265 sx cmt.

78 jts 7", 20#, K-55 csg. Landed @
3594'. Float @ 3551'. Cemented with
590 sx cmt.

TIW Liner Hanger @ 3464'

191 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg with
1/2" mule shoe on bottom and 1.80" SN 1 jt off
bottom. Landed @ 5951'.

4569'

5518'

5596'

5945'

57 jts 4-1/2", 10.5#, K-55 csg.
Landed @ 6073'. Latch collar @
6048' & marker jt @ 5137'.
Cemented w/ 200 sx cmt.

TD @ 6075'
PBSD @ 6048'

STIMULATION

Cliffhouse/Menefee: 4569' - 5518' (34,
0.38" holes) Frac w/ 77,000# 20/40 sand
in 1928 bbls slick water.

Point Lookout: 5596' - 5945' (34, 0.38"
holes) Frac w/ 82,000# 20/40 sand in
1934 bbls slick water.

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	265 sx	375 cu. ft.	Surface
8-3/4"	7", 20#	590 sx	1086 cu. ft.	Surface
6-1/4"	4-1/2", 10.5#	200 sx	424 cu. ft.	3700'

TR 11/22/02