

ROSA UNIT #183  
BLANCO MESAVERDE

Location:

1555' FNL and 1520' FEL  
SW/4 NE/4 Sec 19(G), T31N R05W  
Rio Arriba, New Mexico  
Elevation: 6331' GR

Spud date : 10/22/00

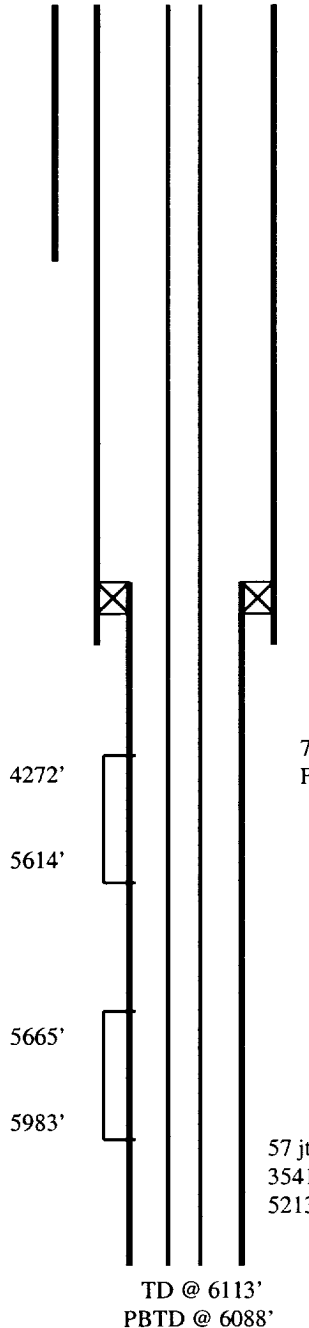
Completed: 11/10/00

| <u>Top</u>      | <u>Depth</u> |
|-----------------|--------------|
| Pictured Cliffs | 3372'        |
| Lewis           | 3566'        |
| CliffHouse      | 5410'        |
| Menefee         | 5456'        |
| Point Lookout   | 5652'        |

STIMULATION

CliffHouse/Menefee: 4272' - 5614'  
(26, 0.38" holes) Frac with 80,000#  
20/40 sand in 1926 bbls slick water.

Point Lookout: 5665' - 5983' (34,  
0.38" holes) Frac with 80,000# 20/40  
sand in 1943 bbls slick water.



6 jts 9-5/8", 36#, K-55, LT&C csg. Landed @ 265'  
Cemented with 130 sx cmt

TIW liner hanger.  
TOL @ 3541'



78 jts 7", 20#, K-55, ST&C csg. Landed @ 3683'.  
Float @ 3634'. Cemented with 590 sx cmt.

191 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbq w/  
1/2" mule shoe on bottom and SN 1 jt up.  
Landed @ 5949'

57 jts 4-1/2", 10.5#, K-55 ST&C csg. Landed @  
3541' - 6113'. Latch collar @ 6088' & marker jt @  
5213'. Cemented with 265 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#       | 590 sx | 1126 cu ft. | surface    |
| 6-1/4"    | 4-1/2", 10.5# | 265 sx | 387 cu. Ft. | 3541'      |