

Surface Location:

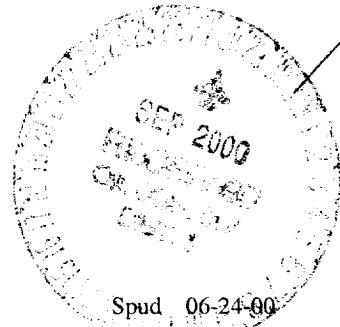
1765' FNL and 1930' FEL  
SW/4 NE/4 Sec 16G, T31N, R6W  
San Juan, NM

Bottom Hole Location:

2420' FSL and 870' FEL  
SW/4 NW/4 Sec 15E, 31N, 6W  
San Juan, NM

Elevation: 6330' GR

ROSA UNIT #25A  
BLANCO MESAVERDE



Spud 06-24-00

Completed 09-04-00

| <u>Top</u>      | <u>MD</u><br><u>Depth</u> | <u>TVD</u><br><u>Depth</u> |
|-----------------|---------------------------|----------------------------|
| Ojo Alamo       | 2633'                     | 2325'                      |
| Kirtland        | 2798'                     | 2460'                      |
| Pictured Cliffs | 3712'                     | 3155'                      |
| Lewis           | 4194'                     | 3526'                      |
| Cliffhouse Ss.  | 6270'                     | 5368'                      |
| Menefee         | 6303'                     | 5401'                      |
| Point Lookout   | 6545'                     | 5643'                      |

11 jts 9-5/8", 36#, K-55 csg. Landed @ 521'  
Cemented with 215 sx cmt

215 jts of 2-3/8", 4.7#, J-55, 8rd EUE tbg with  
1/2" mule shoe on bottom and SN 1 jt up.  
Landed @ 6707'

Liner top @ 5577'

123 jts 7", 20#, K-55, LT&C csg.  
Landed @ 5701'. Float @ 5653'.  
Cemented with 975 sx cmt.

29 jts 4-1/2", 10.5#, K-55 csg. Landed @ 5577' - 6875'.  
Latch collar @ 6850' & marker jt @ 6132'. Cemented  
with 160 sx cmt

STIMULATION

Lewis/CH/Menefee: 5966' - 6492'  
(29, 0.38" holes) Frac with 80,000#  
20/40 sand in 1800 bbl s slick water.

Point Lookout: 6547' - 6768' (41,  
0.38" holes) Frac with 80,000#  
20/40 sand in 1944 bbls slick water.

PBTD @ 6840' MD  
TD @ 6876' MD, 5974' TVD

| Hole Size | Casing        | Cement | Volume       | Top of Cmt |
|-----------|---------------|--------|--------------|------------|
| 12-1/4"   | 9-5/8", 36#   | 215 sx | 303 cu. ft.  | Surface    |
| 8-3/4"    | 7", 20#       | 975 sx | 1671 cu. ft. | 710'       |
| 6-1/4"    | 4 1/2", 10.5# | 160 sx | 234 cu. ft.  | 5577'      |