

**ROSA UNIT #147C  
BLANCO MESAVERDE**

**Location:**

450' FNL and 765' FWL  
NW/4 NW/4 Sec 33(D), T31N R05W  
Rio Arriba, New Mexico

Elevation: 6475' GR  
API #: 30-039-29844

Spud date: 06/21/06

Completed: 08/14/06

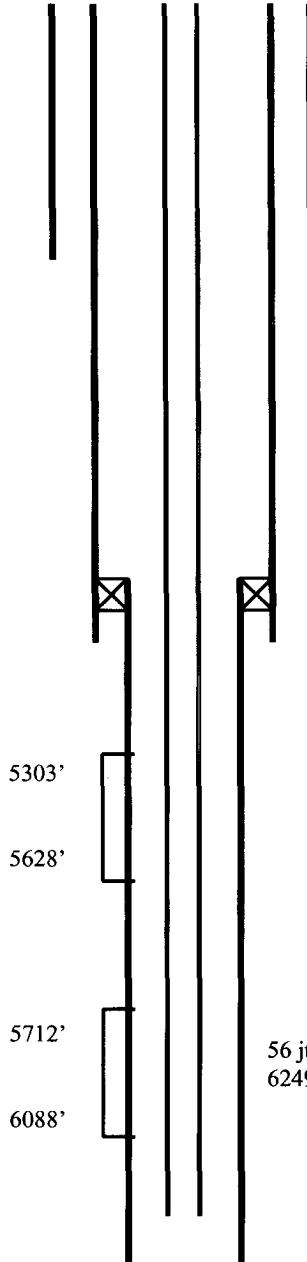
1<sup>ST</sup> Delivery: 09/12/06

| <u>Top</u>      | <u>Depth</u> |
|-----------------|--------------|
| Pictured Cliffs | 3382'        |
| Lewis           | 3675'        |
| CliffHouse      | 5527'        |
| Menefee         | 5582'        |
| Point Lookout   | 5777'        |

**STIMULATION**

CliffHouse/Menefee: 5303' - 5628'  
(61, 0.34" holes) Frac with 9620#  
14/30 Lite Prop & 2700# 20/40 brown  
sand.

Point Lookout: 5712' - 6088' (69,  
0.34" holes) Frac with 9300# 14/30  
Lite Prop & 2000# 20/40 brown sand.



8 jts 9-5/8", 36#, J-55, ST&C csg. Landed @ 336'.

99 jts 7", 23#, J-55, LT&C csg. Landed @ 3838'.

TOL @ 3675'

188 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbg  
landed @ 6017' as follows: pump off mill  
on bottom, 1 jt tbg, 1.78" SN @ 6083' &  
187 jts tbg.

56 jts 4-1/2", 10.5#, J-55 LT&C csg. Landed @ 3675' -  
6249'. Float collar @ 6222', marker jt @ 5034'.

TD @ 6249'

| Hole Size | Casing        | Cement  | Volume      | Top of CMT |
|-----------|---------------|---------|-------------|------------|
| 12-1/4"   | 9-5/8", 36#   | 190 sxs | 266 cu.ft.  | surface    |
| 8-3/4"    | 7", 23#       | 550 sxs | 1125 cu.ft. | surface    |
| 6-1/4"    | 4-1/2", 10.5# | 175 sxs | 400 cu.ft.  | 3988'      |