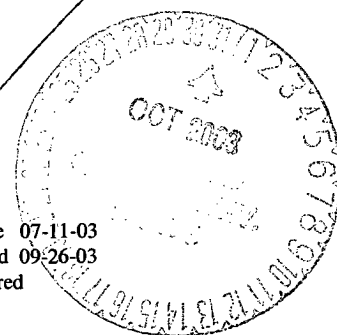


ROSA UNIT #160B **BLANCO MV/BASIN DK**

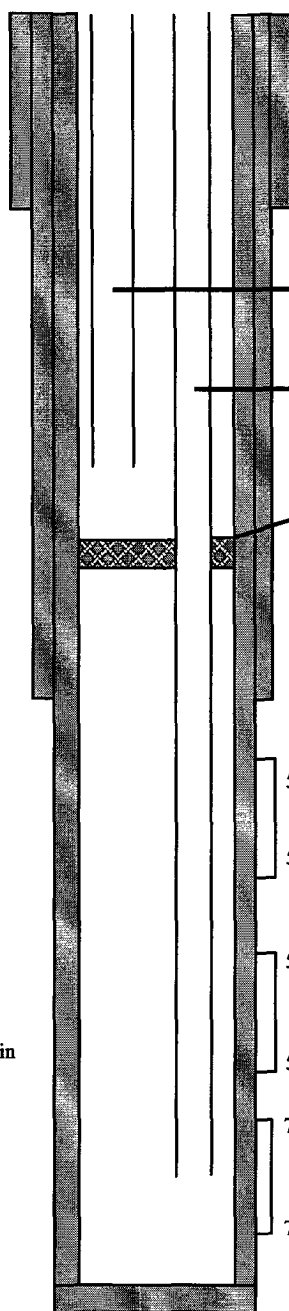
Location: 1425' FSL, 50' FWL
 NW/4 SW/4 Section 25(L), T31N, R6W
 Rio Arriba Co., NM

Elevation: 6410' GR
API #: 30-039-26962

Spud Date 07-11-03
 Completed 09-26-03
 1st Delivered



<i>Tops</i>	<i>Depth</i>
Kirtland	2590'
Pictured Cliffs	3222'
Cliff House	5068'
Point Lookout	5635'
Mancos	5987'
Dakota	7855'



5 jts of 10 3/4", 40.5#, K-55, ST&C csg.
 Set @ 256'

Mesaverde Tubing: 5' perf sub, 1 jt 2-1/16" tbg, 1.5" SN,
 & 183 jts 2-1/16". Landed @ 5932' (184 jts total)

Dakota Tubing: 1/2" mule shoe, 1 jt 2-1/16" tbg, 1.5" SN,
 58 jts 2-1/16" tbg, seal bore assembly w/ 5 seals, 186 jts 2-
 1/16" tbg, 10' pup jt & 1 jt 2-1/16" tbg. Landed @ 7945'.
 (246 jts total)

Arrow model "B" packer @ 6038'

87 jts of 7-5/8", 26.4#, LT&C csg. Set @ 3695'. Insert baffle @ 3657'

CliffHouse/Menefee 5161' - 5607' (31, 0.33" holes)
 80,000# of 20/40 sand in 1892 BBI's slick water.

Point Lookout 5643' - 5945' (35, 0.33" holes)
 80,600# of 20/40 sand in 1860 BBI's slick water.

Dakota 7856' - 7954' (21, 0.33" holes)
 4500# 100 Mesh ahead & 93,660# of 20/40 SB Excel Resin
 carried in a Spectra Frac 3000 60Q N2 foam

180 jts of 5-1/2", 17#, LT&C csg. Set @
 8025'. Float collar @ 8000'. Marker jts
 @ 7601' & 5116'

TD @ 8028'
 PBTD @ 8000'

<i>HOLE SIZE</i>	<i>CASING</i>	<i>CEMENT</i>	<i>CU. FT.</i>	<i>CMT TOP</i>
14 3/4"	10 3/4"	240 s x	338 cu.ft.	surface
9 7/8"	7 5/8"	650 s x	1286 cu.ft.	555'
6 3/4"	5 1/2"	280 s x	588 cu.ft.	7990'