

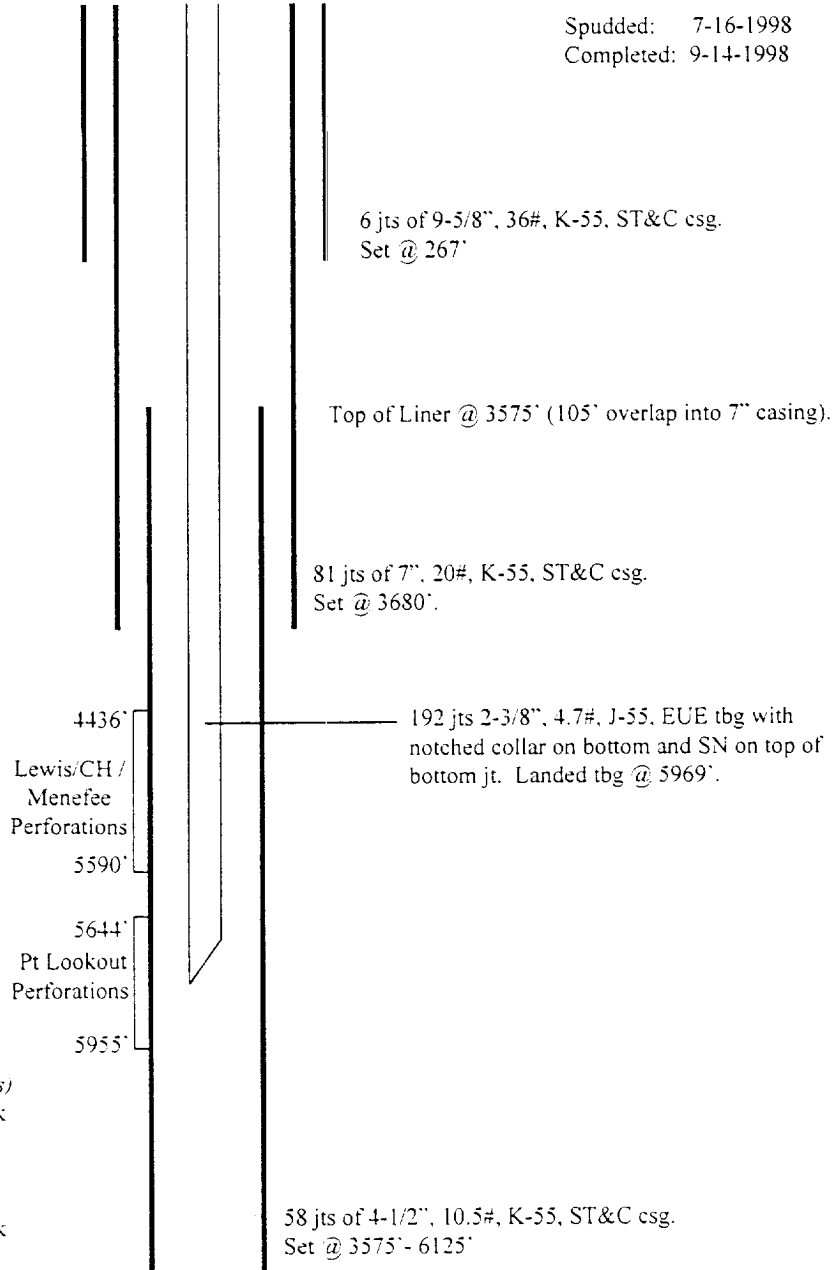
ROSA UNIT #12A BLANCO MESAVERDE

Location:

1695' FSL and 1840' FEL
NW/4 SE/4 Sec 15, T31N R6W
Rio Arriba, New Mexico
Elevation: 6331' GR

Spudded: 7-16-1998
Completed: 9-14-1998

Top	Depth
Ojo Alamo	2380'
Fruitland	2983'
Pictured Cliffs	3168'
Lewis	3450'
Cliff House	5364'
Menefee	5410'
Point Lookout	5642'
Mancos	6090'



Stimulation

Lewis/CH/Menefee: 4436' - 5590' (38 0.38" holes)
Fraced with 80,000# 20/40 sand in 2160 BBIs slick water.

Point Lookout: 5644' - 5955' (40 0.38" holes)
Fraced with 80,000# 20/40 sand in 2240 BBIs slick water.

PBTD @ 6100'
Total Depth @ 6125'

HOLE SIZE	CASING	CEMENT	CMT TOP
12-1/4"	9-5/8"	150 s x	SURFACE
8-3/4"	7"	675 s x	SURFACE
6-1/4"	4-1/2"	320 s x	3575' (CBL)