

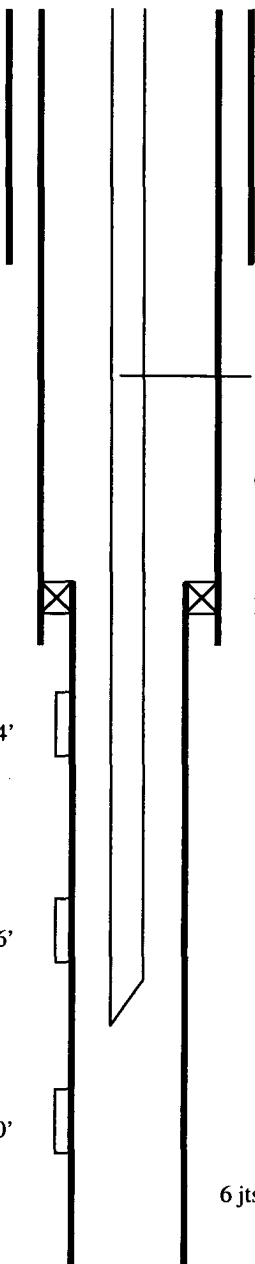
ROSA UNIT #236A
FRUITLAND COAL

Spud 09/28/03
Completed 11/20/03
1st Delivery 00/00/03

Location:

1005' FSL and 680' FEL
SE/4 SE/4 Sec 5(P), T31N, R6W
San Juan, New Mexico
Elevation: 6329' GR
API # 30-045-31773

Top	Depth
Ojo Alamo	2250'
Kirtland	2377'
Fruitland	2905'
Base of Coal	3117'



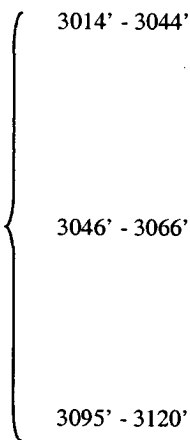
6 jts 9-5/8", 36#, J-55, ST&C @ 298'

95 jts 2-7/8", 6.5# tbg @ 3117' as follows: 1/2" mule shoe on bottom, 1 jt tbg, SN @ 3085', 94 jts tbg.

66 jts 7", 20#, K-55 @ 2986', float collar @ 2939'

Liner top @ 2908'

4 SPF, 0.49" holes
300 holes total



6 jts 5-1/2", 17#, N-80 @ 2908' - 3180'

Open hole from 6-1/4" to 9-1/2"
from 3000' to 3182'

TD @ 3206'
PBTD @ 3180'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	155 sx	219 cu. ft.	Surface
8-3/4"	7", 20#	430 sx	860 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		