

**ROSA UNIT #209A
BASIN FRUITLAND COAL**

Location:

1085' FSL and 975' FEL
SW/4 SE/4 Sec 24(O), T31N, R6W
Rio Arriba, New Mexico

Elevation: 6312' GR
API # 30-039-27699

Spud 06/23/04

Completed 08/11/04

1st Delivery 00/00/04

Top	Depth
Ojo Alamo	2430'
Kirtland	2540'
Fruitland	2925'
Pictured Cliffs	3165'

0.49". 4 SPF
256 holes total

Open hole from 6-1/4" to 9-1/2"
from 3007' to 3179'

7 jts 9-5/8", 36#, K-55, 8rd, ST&C @ 318'

65 jts 7", 20#, J-55, ST&C csg landed @ 3005'.

Liner top @ 2898'

101 jts 2-7/8", 6.5#, J-55 tbg landed @ 3168' as follows: 1/2" mule shoe on bottom, 10' pup jt, 2.28" SN @ 3157', 100 jts tbg, 10' pup jt & 1 jt tbg.

6 jts 5-1/2" csg landed @ 3178' as follows: set shoe on bottom, 2 jts 5-1/2", 17#, 4 jts 5-1/2", 15.5#, K-55 csg, H-latch drop off sleeve. Liner top @ 2898'.

TD @ 3182'
PBSD @ 3178'



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#	440 sx	881 cu. ft.	115'
6-1/4"	5-1/2", 17# & 15.5#	Did Not Cmt		