

**ROSA UNIT #213A
BASIN FRUITLAND COAL**

Location:

1540' FSL and 1735' FEL
NW/4 SE/4 Sec 23(J), T31N, R6W
Rio Arriba, New Mexico

Elevation: 6247' GR
API # 30-039-27687

Spud 06/05/04

Completed 09/11/04

1st Delivery 09/22/04

Top	Depth
Ojo Alamo	2313'
Kirtland	2422'
Fruitland	2835'
Top of Coal	2931'
Pictured Cliffs	3072'

6 jts 9-5/8", 36#, K-55, 8rd, ST&C @ 300'

63 jts 7", 20#, J-55 @ 2906', float @ 2895'

Liner top @ 2861'

0.27", 4 SPF,
400 holes total

2927' - 2937'
2941' - 2951'
2962' - 2972'
2979' - 2999'
3022' - 3032'
3034' - 3054'
3055' - 3065'
3064' - 3074'

100 jts 2-7/8", 6.5#, J-55 tbg @ 3072' as follows:
1/2" mule shoe on bottom, 10' pup jt, 2.28" SN @
3062', 100 jts 2-7/8" tbg.



6 jts 5-1/2", 17#, N-80 @ 2861' - 3090'

Open hole from 6-1/4" to 9-1/2"
from 2911' to 3127'

TD @ 3127'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	170 sx	240 cu. ft.	Surface
8-3/4"	7", 20#	456 sx	914 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		