

ROSA UNIT #232A BASIN FRUITLAND COAL

Location:

1385' FSL and 2020' FEL
NW/4 SE/4 Sec 20(J), T31N, R5W
Rio Arriba, New Mexico

Elevation: 6416' GR
API # 30-039-29507

Spud 08/05/05

Completed 11/03/05

1st Delivery 11/21/05

Top	Depth
Ojo Alamo	2576'
Kirtland	2681'
Fruitland	3056'
Pictured Cliffs	3306'



0.45". 4 SPF

300 holes total

3140' - 50'
3186' - 96'
3218' - 28'
3248' - 89'
3292' - 98'

Open hole from 6-1/4" to 9-1/2"
from 3142' to 3396'

8 jts 9-5/8", 36#, J-55, ST&C @ 336'

79 jts 7", 23#, K-55 LT&C @ 3139'

Liner top @ 3057'

102 jts 2-7/8", 6.5#, J-55 tbg @ 3353' as follows:
1/2" mule shoe, 1 jt tbg, 2.25" "F" Nipple @
3318', 101 jts tbg.

7 jts 5-1/2", 17#, N-80, LT&C @ 3057' - 3385'

TD @ 3396'

TR 05-04-06

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	220 sx	308 cu. ft.	Surface
8-3/4"	7", 23#	450 sx	915 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		