

ROSA UNIT #376A BASIN FRUITLAND COAL

Location:

1970' FNL and 690' FWL
SW/4 NW/4 Sec 25(E), T31N, R05W
Rio Arriba, New Mexico

Elevation: 6431' GR
API # 30-039-297051

Spud 09/13/06

Completed 10/22/06

1st Delivery 11/03/06

Top	Depth
Ojo Alamo	2630'
Kirtland	2759'
Fruitland	3088'
Pictured Cliffs	3264'

0.45". 4 SPF
220 holes total

3170' - 3185'
3200' - 3210'
3230' - 3260'

Open hole from 6-1/4" to 9-1/2"
from 3171' to 3361'

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

82 jts 7", 23#, K-55, LT&C @ 3158'

Liner top @ 3031'

106 jts 2-7/8", 6.5#, J-55 tbgs @ 3276' as follows:
1/2" mule shoe, 1 jt tbgs, 2.28" "F" nipple @ 3245'
& 105 jts tbgs.

8 jts 5-1/2", 17#, N-80 @ 3031' - 3361'

TD @ 3361'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sx	268 cu.ft.	Surface
8-3/4"	7", 23#	495 sx	935 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		