

Surface Location:

2410' FSL and 990' FEL

NE/4 SE/4 Sec 35(I), T31N, R05W

Rio Arriba, NM

Bottom Hole Location:

1631' FSL and 999' FEL

NE/4 SE/4 Sec 35(I), T31N, R05W

Rio Arriba, NM

Elevation: 6687' GR

API # 30-039-29673

ROSA UNIT #271A
BASIN FRUITLAND COAL

Spud: 06/07/06

Completed: 07/17/06

1st Delivered: 07/20/06

Pump Install: 06/16/07

DANSCO D114-143-64

<u>Top</u>	<u>MD Depth</u>	<u>TVD Depth</u>
Ojo Alamo	2932'	2821'
Kirtland	3140'	3026'
Fruitland	3436'	3321'
Base of Coal	3626'	3511'

8 jts 9-5/8", 36#, K-55, ST&C @ 330'.

89 jts 7", 23#, J-55, LT&C @ 3524'.

TIW H Latch Lnr Hgr @ 3366'

117 jts, 2-7/8", 6.5#, J-55, EUE, 8rd tbg @ 3611' as follows:
28.5' mud anchor, 2.28" F - nipple @ 3583', 116 jts, 8' pup, 1
full jt (1/4" chem. cap string banded to outside tbg)

Perfs: 3535' - 3613'

4 spf, 312 total shots

Rod String: 96 - 3/4" sucker rods, 46 - 3/4" guided sucker rods, 1 - 8', 2
- 6' pony rods, 1 - 1/4 x 16' polished rod w/ 1 1/2" x 8' polished rod
liner.

6 jts, 5 1/2", 17#, N80 LT&C,
8rd @ 3366' - 3615'

Insert Pump: 2 - 1/2" x 1 - 1/4" x 7' x 7' x 11' RHAC (Energy Pump)
w/1" x 6' Gas Anchor.

Open hole from 6-1/4" to 9-1/2"
from 3533' to 3732'

PBTD @ 3613'
TD @ 3732' MD

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	190 sx	264 cu. ft.	Surface
8-3/4"	7", 23#	530 sx	971 cu. ft.	Surface
6-1/4"	5-1/2", 17#	DID NOT CMT!		

(TR 06/26/07)