

**ROSA UNIT #258A
BASIN FRUITLAND COAL**

Surface Location:

2320' FNL and 180' FEL
SE/4 NE/4 Sec 21 (H), T31N, R5W
Rio Arriba, NM

Bottom Hole Location:

1595' FNL and 1059' FWL
SW/4 NW/4 Sec 22 (E), T31N, R5W
Rio Arriba, NM

Elevation. 6539' GR
API # 30-039-30142

Spud: 07/14/08

Completed: 8/16/08

1st Delivered. 8/16/08

Cav/Tbg/Pump 9/17/08

Top	MD Depth
Ojo Alamo	2932'
Kirtland	3059'
Fruitland	3491'

3 - 1-1/2" HF sinker rods, 90 - 3/4" API D rods, 55 - 3/4"
API D 3 per 2-1/2 guided rods, 2' pony rod & 1-1/4" X 22'
polished rod w/ 10' X 1-1/2" liner

0.53", 4SPF (?)
254 holes total

3594' - 3606'
3630' - 3650'
3660' - 3680'
3685' - 3715'

2-1/2" X 1-1/2" X 8 X 12 RHAC
pump

Open hole from 6-1/4" to 9-1/2"
from 3684' to 3810'

7 jts 9-5/8", 36#, K-55, ST&C @ 339'

78 jts 7", 23#, K-55, LT&C @ 3576'

Liner top @ 3421'

2-7/8" mud anchor, 2-7/8" tbg screen, 2 28
1 D. F-nipple, 115 jts 2-7/8" 6 5# J-55 EUE
8md tbg, one 10' X 2-7/8" pup jt, one 6' X
2-7/8" pup jt, one 4' X 2-7/8" pup jt, & 1 jt
2-7/8" 6 5# J-55, EUE 8md tbg
EOT @ 3744'

8 jts 5-1/2", 17#, N-80 @
3421' - 3759'

TD @ 3810' MD
3456' TVD

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	150 sx	212 cu.ft.	Surface
8-3/4"	7", 23#	545 sx	1108 cu.ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		

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