

ROSA UNIT #209 **BASIN FRUITLAND COAL**

K.B. = 13'

Spud : 08/24/90

Completed: 04/09/91

ID date: 05/19/93

Cavitated: 06/30/99

Re-Cavitated: 06/15/04

Pumping Unit: 05/09/05

Location:

1310' FSL and 1310' FWL
 SW/4 SW/4 Sec 24(M), T31N R6W
 Rio Arriba, New Mexico

Elevation: 6315' GR
 API #: 30-039-24864

4/4/91: Squeeze @394'-
 395' w/ 200 sx

8/7/98: Re-squeeze @
 394'-395' w/ 17 sx

Surface: 5 jts, 9-5/8", 36#, K-55, 8rd, ST&C. Landed @
 226'. Cement with 160 sx

Top	Depth
Ojo Alamo	2410'
Kirtland	2520'
Fruitland	2920'

Perforations

4 spf, 0.50" diameter holes, 480 total shots

3012' - 3032' (20'), 3040' - 3060' (20'),
 3066' - 3076' (10'), 3082' - 3092' (10'),
 3104' - 3124' (20'), 3129' - 3169' (40')

TOL @ 2894' w/ "H" Latch

Intermediate: 69 jts, 7", 23#, K-55, 8rd, LT&C.
 Landed @ 2975'. Cement with 660 sx

Tubing: All 2-3/8", 4.7#, J-55, EUE, 8RD. Top to
 Bottom: Hanger, 1 Jt. 4' Sub, 101 Jts., 1.78" "F"
 Nipple, Mud Anchor. 102 Jts. Total, "F" Nipple
 @ 3138'; Mud Anchor @ 3167'

Rods: All Norris, 3/4, Type 54, Grade "D", Slick.
 Top to Bottom: 1-1/4" x 22' Polish Rod, 1-1/2" x
 10' Polished Rod Liner, 2', 4', 6', & 8' Ponies, 124,
 4' Pony.

Pump: Harbison Fisher 2" x 1-1/4" x 8' x 12' x 12' 3"
 RHAC-Z, 1" x 6' Dip Tube.

Liner: 6 jts, 5-1/2", 17#, N-80. Landed @ 3171'
 No cement

Last Depth Reached: 3171'

PBTD @3171'
 TD @ 3172'



Hole Size	Casing	Cement	Volume	Top Of CMT
12-1/4"	9-5/8", 36#	160 sx	189 cu. ft.	surface
8-3/4"	7", 23#	660 sx	1092 cu. ft.	414'
8-3/4"	7", 23#	217 sx	256 cu. ft.	surface
6-1/4"	5-1/2", 17#	n/a	n/a	n/a