

**ROSA UNIT #210
FRUITLAND COAL**

K.B. = 12'

Location:

1025' FSL and 1310' FWL
SW/4 SW/4 Sec 13M, T31N R6W
Rio Arriba, New Mexico
Elevation: 6270' GR

API #: 30-039-24523

Spud Date: 8/29/90

Completed: 4/22/91

Initial Delivery: 5/12/93

Re-cavitated: 9/23/99

Pumping Unit: 4/28/05

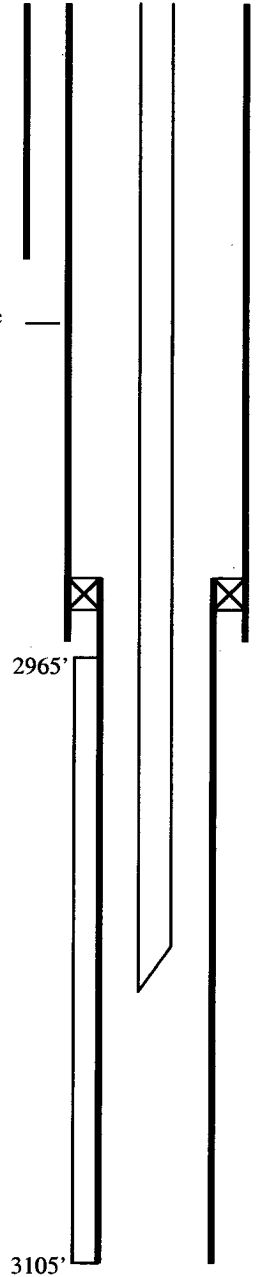
Surface: 5 jts 9-5/8", 36#, K-55, 8rd, ST&C csg. Landed @ 228'. Cement with 160 sx cmt (189 cu.ft.)

4/15/91: Squeeze Intermediate @ 350' w/ 190 sx Class "B" cmt to surface. (224 cu.ft.)

Top	Depth
Ojo Alamo	2363'
Kirtland	2463'
Fruitland	2958'

Perforations

All 4 SPF
2965-66, 2977-79,
2991-92, 3026-30,
3034-36, 3054-55,
3082-3105



7" x 5-1/2" TIW JGS
Hanger. TOL @ 2874'

Intermediate: 67 jts 7", 23#, K-55, 8rd, LT&C csg. Landed @ 2951'. Cement with 660 sx cmt (1092 cu.ft.)

Tubing: All 2-3/8", 4.7#, J-55, EUE, 8RD. Top to Bottom: 1 Jt., 6' Sub, 96 Jts., 1.78" "F" Nipple, Mud Anchor. 97 Jts. Total, "F" Nipple @ 3073'; Mud Anchor @ 3102'.

Rods: All Norris, 3/4", Type 54, Grade "D", Slick. Top to Bottom: 1-1/4" Polish Rod, 1-1/2" Polished Rod Liner, 8' Pony, 122, 4' Pony.

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

Liner: 5 jts 5-1/2", 17#, N-80, LT&C csg. Landed @ 3106'. No cement

PBTD @ 3106'
TD @ 3107'

Last Depth Reached: 3105'

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 + 190 sx	1092 + 224 cu. ft	Surface
9-1/2"	5-1/2", 17#	n/a	n/a	n/a

Xander Buck, 06/30/05