

ROSA UNIT #233 BASIN FRUITLAND COAL

K.B.= 13'

Location:

1720' FSL and 990' FWL
NE/4 SW/4 Sec 30(K), T31N R5W
Rio Arriba, New Mexico
Elevation GL: 6400'
Elevation KB: 6413'

API # 30-039-24440

Top	Depth
Ojo Alamo	2550'
Kirtland	2650'
Fruitland	3100'

Spud: 9/12/90
Completed: 4/18/91
First Delivery: 12/10/92
Sidetrack & Caviate: 9/3/98
Re-Cavitated: 5/16/04
Pumping Unit: 5/18/2005

Surface: 5 jts, 9-5/8", 36#, K-55, STC. Set @ 224'.

Intermediate: 71 jts, 7", 23#, K-55, STC. Set @ 3085'.

Liner Hanger: Unknown Liner Hanger
Manufacturer, "H" Latch Tool. Set @ 2774'.

Well Sidetracked: 2833' - 3254' @ 2-1/2°.

Tubing: All 2-3/8", 4.7#, J-55, EUE, 8rd. Top to Bottom: 1 Jt., 8', 6', 4', & 4' Subs., 100 Jts, 1.78" "F" Nipple, Mud Anchor. 101 Jts. Total, "F" Nipple @ 3224', Mud Anchor @ 3253'

Rods: All Norris, 3/4", Type 54, Grade "D". Top to Bottom: 1-1/4" x 22' Polish Rod, 1-1/2" x 10' Polished Rod Liner, 8' Pony, 87 Slick, Three 1-1/4" Sinker Bars, 38 w/ 4 R&M Energy Guides/Rod, 4' pony.

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

Perforations: 4 SPF, 0.5" diameter, 400 total shots, All measured depth

Liner: 11 jts, 5-1/2", 17#, N-80, LT&C w/ 6-1/4" bit & bit sub on bottom. Set @ 3254' MD. Did not cement.

Top of Whipstock
@ 2816' @ 2-1/2°

Bridge Plug @ 2828'

Six 4-3/4" DC's
(2852' - 3042')

5-1/2" Liner
(3072' - 3223')

Open Hole to 3253'

Original TD @ 3254'

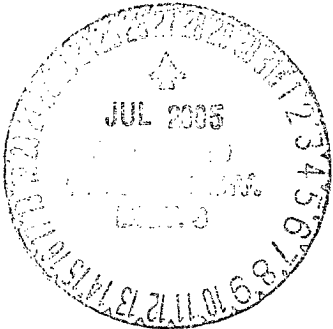
PBTD @ 3254' MD

Last Depth Reached: 3254' MD

New TD @ 3254' MD

Sidetracked & Caviated 9-3-1998

Could not get original liner out of hole.
Set whipstock and sidetracked hole.



Xander Buck 06/30/05

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	160 sx	188 cu. ft.	Surface
8-3/4"	7", 23#	782 sx	1305 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		