

ROSA UNIT #389A
BASIN FRUITLAND COAL

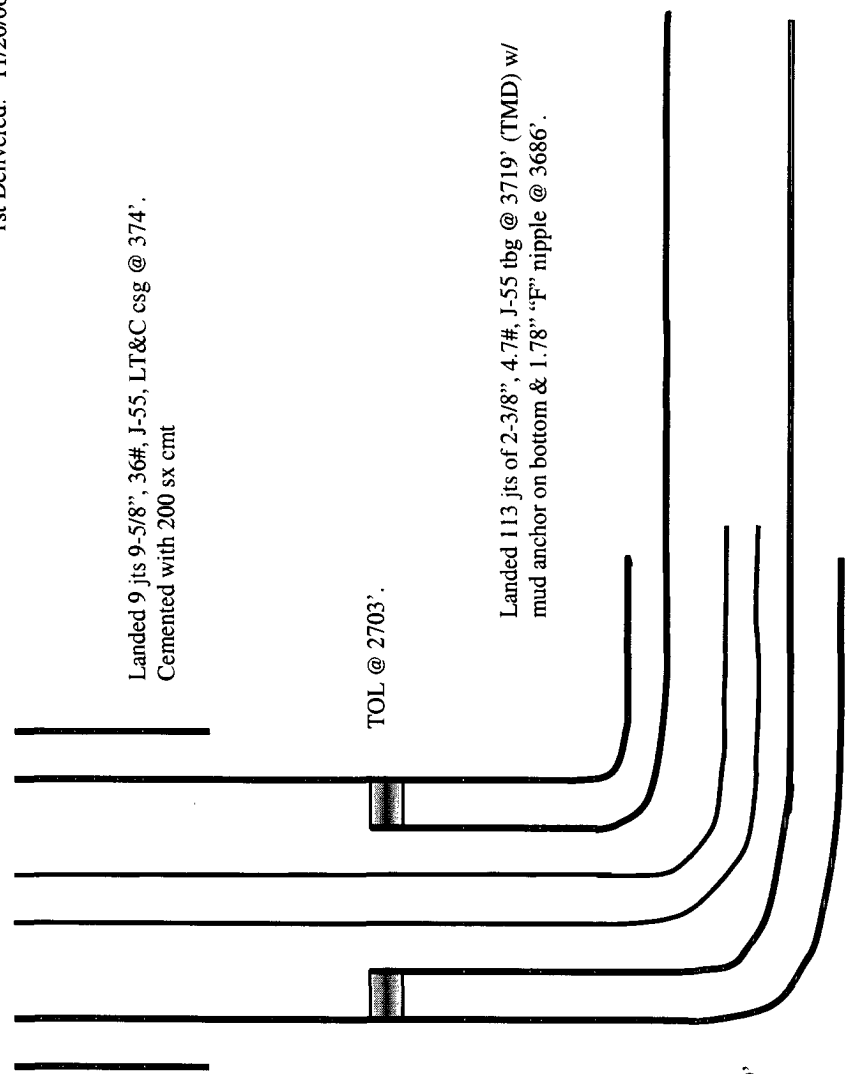
Spud date: 10/05/06
Completed: 11/09/06
1st Delivered: 11/20/06

Location:
SHL: 2460' FNL and 2380' FEL
SW/4 NE/4 Sec 07(G), T31N, R04W

BHL: 1018' FNL and 3968' FEL
NW/4 NW/4 Sec 07(D), T31N, R04W
Rio Arriba, New Mexico

Elevation: 6457' GR
API # 30-039-29502

Top	MD	
	Depth	
Ojo Alamo	2647'	
Kirtland	2758'	
Fruitland	3125'	
Pictured Cliffs	3295'	



Landed 95 jts 7", 23#, J-55, LT&C csg @ 3319' TMD, 3271' TVD. FC @ 3579' TMD, 3268' TVD. Cemented with 750 sx cmt.

Landed 4-1/2" liner @ 5162' TMD, 3288' TVD, TOL @ 2703' as follows: liner hanger, 1 jt 4 1/2", 10.5#, J-55 non-perfed csg, 58 jts, 4 1/2", 11.6#, J-55 perfed csg & shoe on bottom. Liner perfs are from 2750' to 5160'. Total of 57,816 (0.50") holes.

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8", 36#	200 sxs	280 cu.ft.	surface
8-3/4"	7", 23#	750 sxs	1464 cu.ft.	surface
6-1/4"	4-1/2", 11.6#	Did Not Cmt	N/A	N/A