

ROSA UNIT #360
BASIN FRUITLAND COAL

MAY 24 2016

Surface Location:310' FNL and 150' FWL
NW/4 NW/4 Sec 16(D), T31N, R05W
Rio Arriba, NMBottom Hole Location:666' FSL and 654' FWL
SW/4 SW/4 Sec 09(M), T31N, R05W
Rio Arriba, NM

Elevation: 6271' GR

API # 30-039-29882

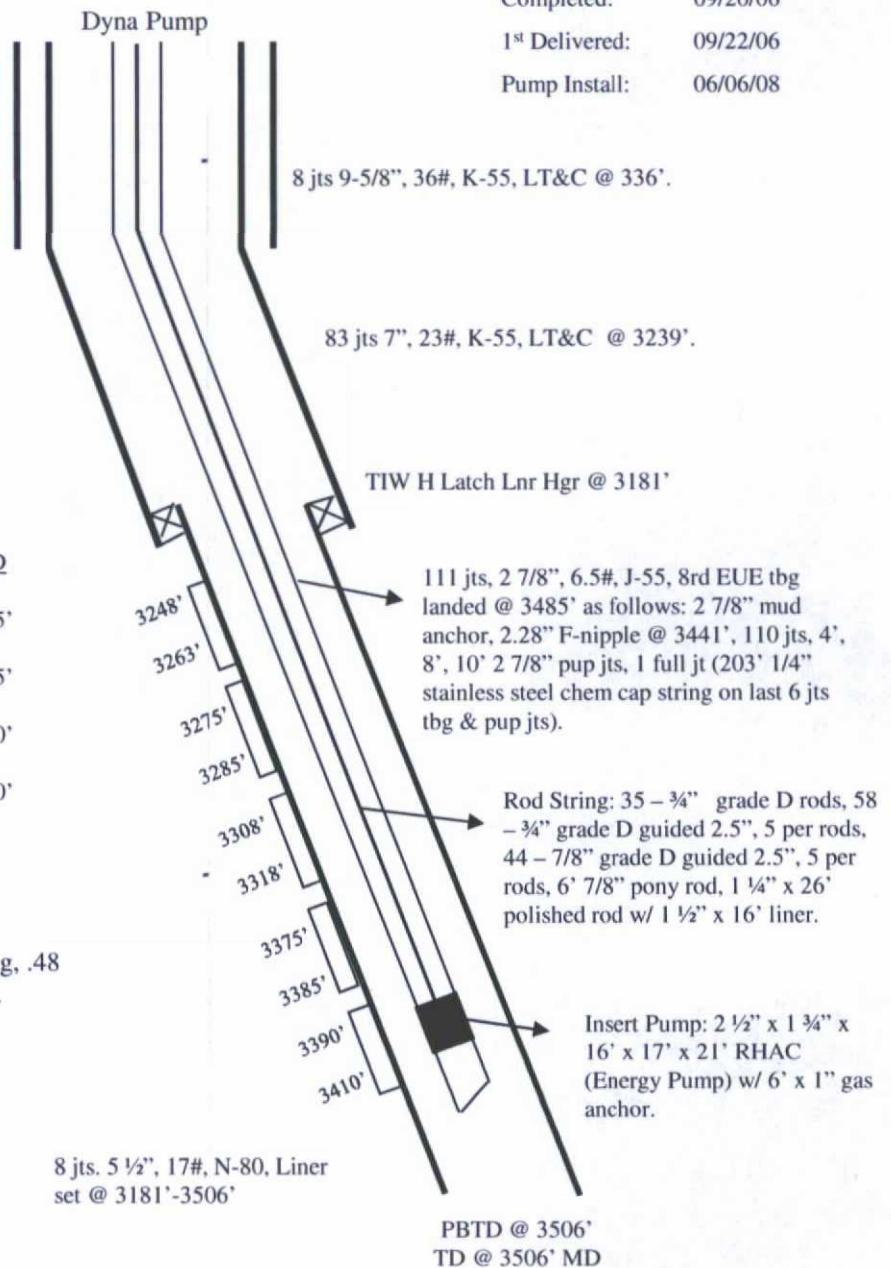
Spud: 07/13/06

Completed: 09/20/06

1st Delivered: 09/22/06

Pump Install: 06/06/08

Top	MD	TVD
Ojo Alamo	2697'	2405'
Kirtland	2811'	2515'
Fruitland	3189'	2890'
Base of Coal	3419'	3120'

Perf intervals w/3 1/8" HSC, 11 grm chg, .48
dia holes, 4 spf, total of 260 holes.Underream 6-1/4 - 9-1/2
From 3248' - 3506'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	160 sx	222 cu.ft.	Surface
8-3/4"	7", 23#	455 sx	921 cu.ft.	Surface
6-1/4"	5-1/2", 17#	None	None	NA