

**ROSA UNIT #009D
BLANCO MV / BASIN DK**

Spud: 6/4/11

Completed: 8/3/11

1st Delivery: 8/19/11

Surface Location:

1285' FNL & 2210' FWL
Sec 11 (C), T31N, R06W
Rio Arriba, NM

Bottom Hole Location:

1993' FNL & 1454' FWL
Sec 11(F), T31N, R06W
Rio Arriba, NM

Elevation: 6427' GR

API # 30-039-31047

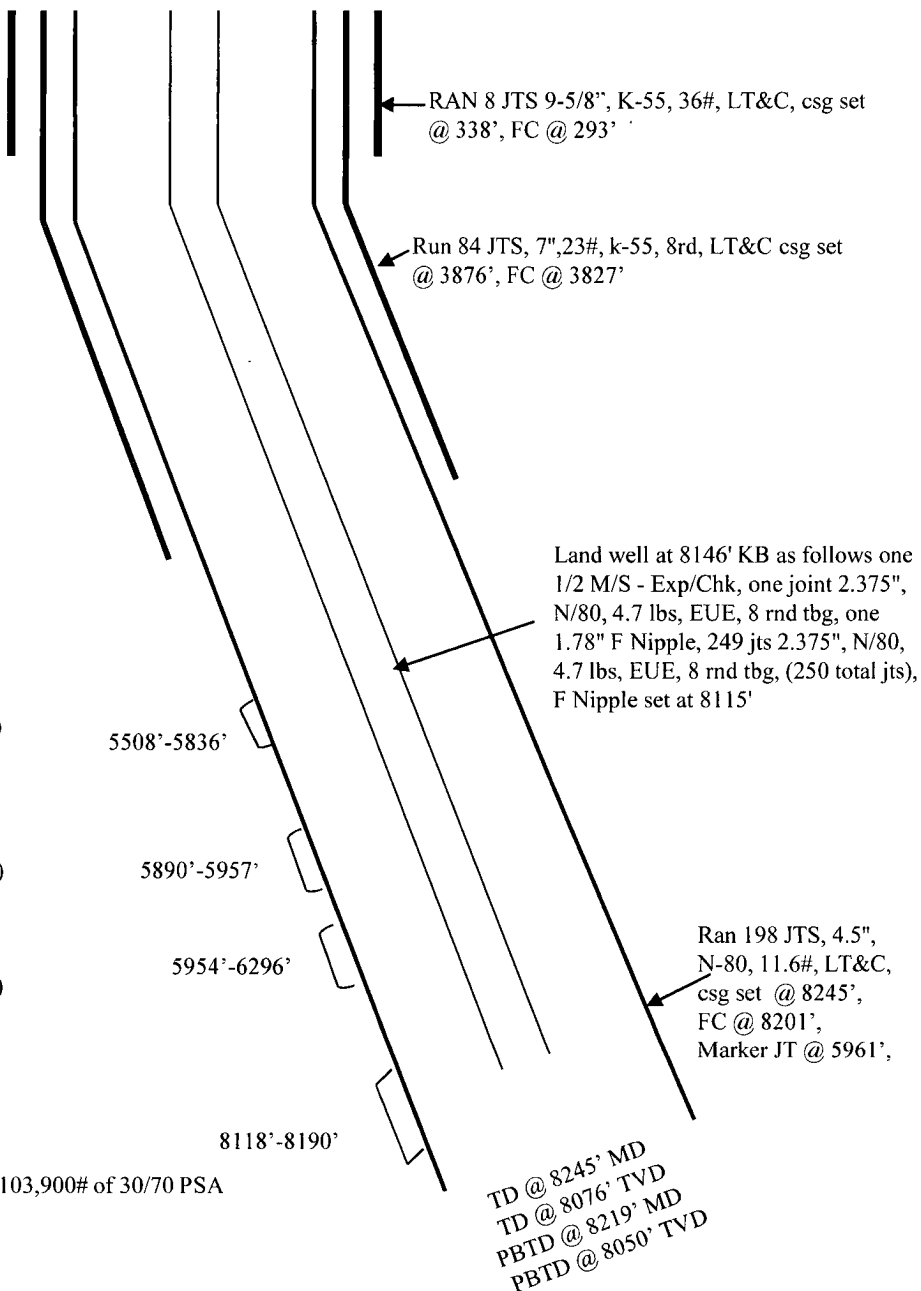
Top	MD Depth	TVD
Pictured Cliffs	3388'	3233'
Cliffhouse Ss.	5620'	5457'
Menefee	5668'	5505'
Point Lookout	5902'	5739'
Mancos	6380'	6214'
Dakota	8116'	7947'

3rd Stage MV- 5508'-5836' (21, 0.34" holes)
Frac with 83,800# of 20/40 Ottawa Sand

2nd Stage MV- 5890'-5957' (27, 0.34" holes)
Frac with 41,200# of 20/40 Ottawa Sand

1st Stage MV- 5954'-6296' (22, 0.34" holes)
Frac with 78,900# 20/40 PSA Sand

Dakota- 8118'-8190' (30, 0.34" holes)
Frac with 5,000# of 100 mesh followed with 103,900# of 30/70 PSA sand



Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	165 sxs	297 cu.ft.	Surface
8-3/4"	7", 23#	495 sxs	1196 cu.ft.	Surface
6-1/4"	4-1/2", 11.6#	445 sxs	623 cu.ft.	2770' CBL

AV