

ROSA UNIT #166B
BLANCO MESAVERDE/BASIN MANCOS/BASIN DK

Location: 2305' FNL, 2305' FEL
 SW/4 NE/4 Section 30 (G), T31N, R5W
 Rio Arriba Co., NM
Elevation: 6385' GR
API: 30-039-29841

Spud Date 4-13-2008
Completed 6-30-2008 (DK)
 10-31-08 (MC)
 5-22-08
ID'd: 7-3-08 (DK)
 11-19-08 (MC)

<u>Tops</u>	<u>Depth</u>
Ojo Alamo	2498'
Kirtland	2632'
Pictured Cliffs	3228'
Cliff House	5432'
Point Lookout	5680'
Mancos	6140'
Dakota	7898'

Mesa Verde:

2nd stage: 5433'-5630' (32, .34" holes) Frac with 80,000# 20/40 BASF

1st stage: 5680'-5906' (54, .34" holes) Frac with 80,000# 20/40 BASF

Mancos:

6th stage: 6290'-6470' (39, .34" holes) Frac w/7506# 100 mesh WS then 121,496# 40/70 WS

5th stage: 6923'-7075' (27, .34" holes) Frac w/8200# 100 mesh WS then 113,076# 40/70 WS

4th stage: 7140'-7310' (54, .34" holes) Frac w/8000# 100 mesh WS then 94,000# 40/70 WS

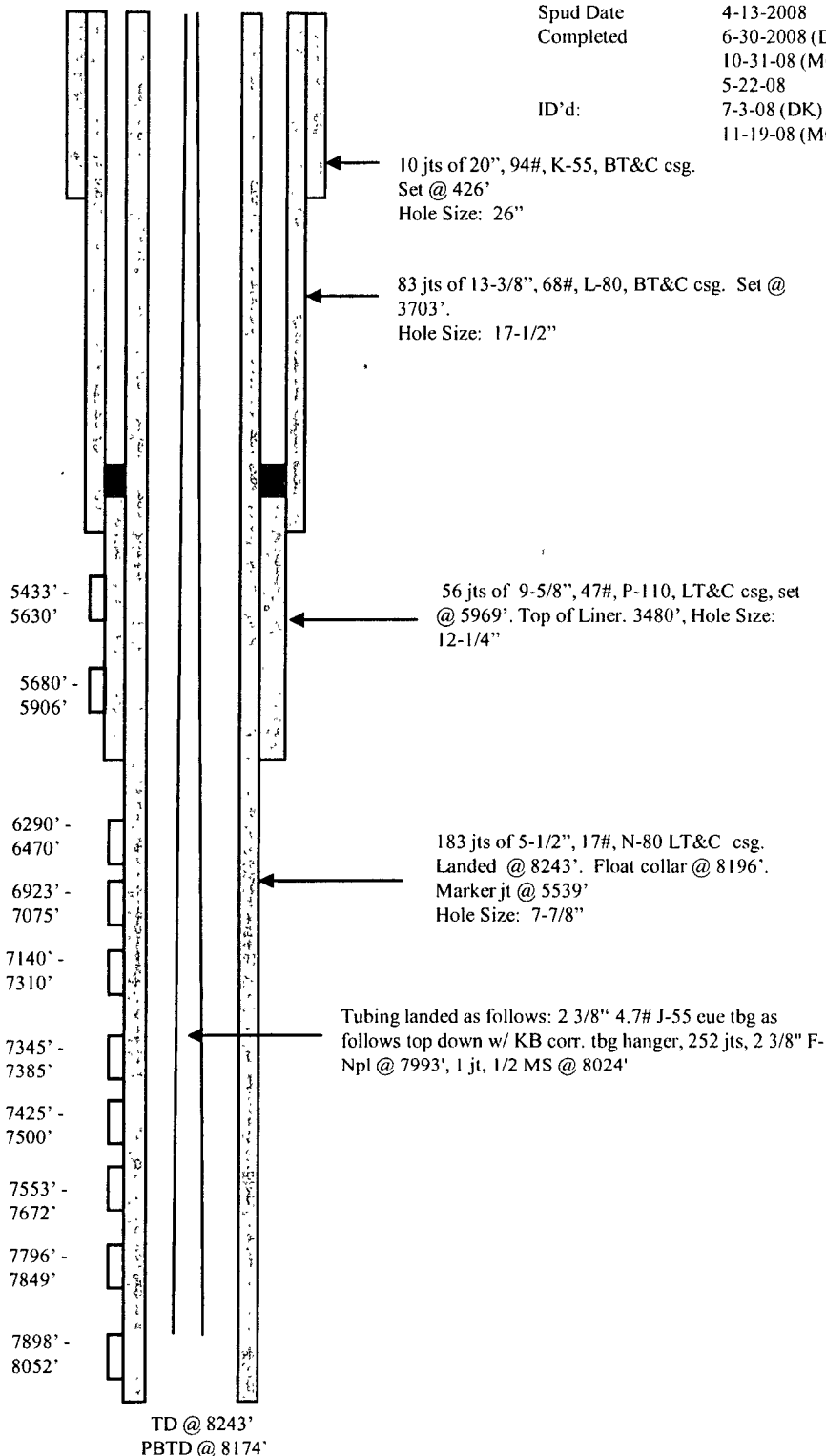
3rd stage: 7345'-7385' (27, .34" holes) Frac w/8000# 100 mesh WS then 107,224 40/70 WS

2nd stage: 7425'-7500' (33, .34" holes) Frac w/8000# 100 mesh WS then 6000# 40/70 WS

1st stage: 7553'-7672' (36, .34" holes) Frac w/7500# 100 mesh WS then 45,000# 40/70 WS

Greneros: 7796'-7849' (27, .34" holes) Frac w/7720# 100 mesh WS then 25,177# 40/70 WS

Dakota: 7898' - 8052' (81, .37" holes) Frac w/10,727# LP108 14/40 followed w/3470# tenpered LC 20/40



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
26"	20"	739 sx	1172 cu.ft.	Surface
17-1/2"	13-3/8"	2000 sx	4022 cu.ft.	Surface
12-1/4"	9-5/8"	540	1155 cu.ft.	3480' (CBL)
7-7/8"	5 1/2"	850 sx	1860 cu.ft.	3200' (CBL)