

ROSA UNIT #100E

PC/MV

Location: 1570' FSL, 870' FEL
NE/4 SE/4 Section 21, T31N, R6W
Rio Arriba, NM
Elevation: 6268' GR

API: 30-039-25135

Pumping Unit
Dansco 320-250-120

Spudded: 11/05/91
MV/PC Completed: 11/20/94
1st Delivery: 10/29/99
Pump Install: 08/25/08

Tops Depth

Nacimiento	N/A
Ojo Alamo	2310'
Kirtland	2414'
Fruitland	2894'
Pictured Cliffs	3154'
Lewis	3440'
Cliff House	5235'
Menefee	5324'
Point Lookout	5536'
Mancos	5845'
Greenhorn	7606'
Graneros	7656'
Dakota	7786'

Rod String: 3 - 1 1/4" sucker bars, 127 - 3/4" guided
sucker rods, 20 - 3/4" reg sucker rods, 78 - 7/8"
sucker rods, 1 1/4" polished rod w/ 1 1/2" liner

Pump Install. 2" x 1 1/2" x 18' RHAC
(Energy Pump) w/ 1" x 6' gas anchor

STIMULATION

Pictured Cliffs 3156' - 3218' (53 holes @ 0.36 EHD)
97,000# 20/40 sand in 59,360 gals of 30# X-Link gel in
70 qual foam.

Mesa Verde 5304' - 5686'
103,200# 20/40 in 101,430 gals

CMT RET @
7898' no cement

9jts 9-5/8", 36#, K-55 ST&C csg. Landed @ 440'

3156'
3184'

DV Tool
@ ?? Ft.

3187'
3193'

PC Perforations, 53 holes
@0.36" EHD

3196'
3204'

3211'
3218'

Top of Liner @ 3846'

103 jts 7", 23#, K-55, LT&C @4185'

Tbg anchor @ 3086'

MV/PC Tubing: 176 jts of 2 3/8", J-55 tbg @ 5739' as
follows: 2 3/8" screened mud anchor, 1.78" F-Nipple @ 5707',
16 jts of 2 3/8", 10-NUE tbg, 65 jts of 2 3/8", 8-EUE tbg, Type
B, 7" x 2 3/8" tbg anchor (left hand set, right hand release,
neutral position), 95 jts of 2 3/8", 8-EUE tbg, (3000' 1/4"
stainless steel chem cap string strapped to outside of tbg).

5304'

MV Perforations (32 holes @ 0.36 EHD)

5686'

PBTD @ 5786'

Cement Retainer @
7721'Sqz w/75 sx (89 cf)
DK perms

7788'

7878'

7912'

7938'

4-1/2", 11.6#, N-80 from 3846' to 8000'

PBTD @ 5786'
TD @ 8000'

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8" 36#	285 sx	336 CU.FT	SURFACE
8-3/4"	7" 23#	960 sx	1107 CU.FT	SURFACE
6-1/4"	4-1/2" 16#	670 sx	790 CU.FT	LINER TOP