

ROSA UNIT #5C

BLANCO MESAVERDE/LAGUNA SECA GALLUP/BASIN DK

Location: 1845' FSL, 1735' FEL
 NW/4 SE/4 Section 26 (J), T31N, R6W
 Rio Arriba Co, NM
Elevation: 6419' GR
API: 30-039-30178

Spud Date 6-11-2008
 Completed 8-1-2008 (DK)
 11-23-2008 (MCS)
 ID'd: 8-5-2008 (DK)

<i>Tops</i>	<i>Depth</i>
Ojo Alamo	2490'
Kirtland	2596'
Pictured Cliffs	3240'
Cliff House	5406'
Point Lookout	5702'
Mancos	6258'
Dakota	7885'

Mesa Verde

To be completed at later date

Mancos

4th stage 6845'-7015' (69, 0.34" holes) Frac with 9380# 100 mesh white sand followed with 180,040# 40/70 white sand

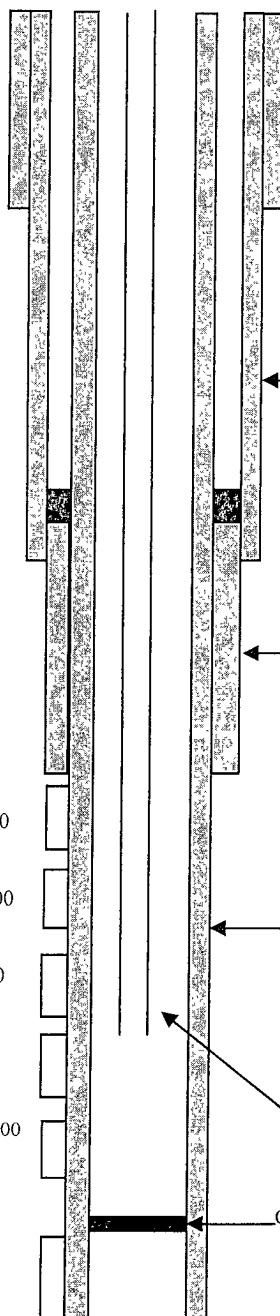
3rd stage 7055'-7250' (60, 0.34" holes) Frac with 11,400# 100 mesh white sand followed with 134,000# 40/70 white sand

2nd stage 7275'-7400' (57, 0.34" holes) Frac with 7,640# 100 mesh white sand followed with 117,654# 40/70 white sand

1st stage 7625'-7675' (33, 0.34" holes) Frac with 7,760# 100 mesh white sand followed with 7,966# 40/70 white sand

Greenhorn 7715'-7759' (30, 0.34" holes) Frac with 8,500# 100 white mesh sand followed with 89,020# 40/70 white sand

Dakota 7887' - 8084' (57, 0.36" holes)
 Frac w/9900# LP108 14/40 followed
 w/3500# tempered LC 20/40.



10 jts of 20", 94#, X-52, BT&C csg.
 Set @ 419'
 Hole Size: 26"

85 jts of 10-3/4", 45 5#, K-55, BT&C csg. Set @
 3759'
 Hole Size: 14-3/4"

64 jts of 7-5/8", 26 4#, K-55, LT&C csg,
 set @ 5973'. Top of Liner 3533', Hole
 Size: 9-7/8"

184 jts of 5-1/2", 17#, N-80 LT&C csg
 Landed @ 8232' Float collar @ 8185'.
 Marker jt @ 5676'
 Hole Size: 6-3/4"

Mancos Tubing: 226 jts 2-7/8", 6 5#, J-55, EUE 8rd landed
 @ 7445', 2.28" ID "F" nipple @ EOT

CIBP @ 7860'

TD @ 8242'
 PBTd @ 8190'

RCVD DEC 4 '08
 OIL CONS. DIV.
 DIST. 3

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
26"	20"	818 sx	1323 cu.ft.	Surface
14-3/4"	10-3/4"	2260 sx	4563 cu.ft.	Surface
9-7/8"	7-5/8"	400 sx	854 cu.ft.	3860' (CBL)
6-3/4"	5 1/2"	280 sx	638 cu.ft.	3500' (CBL)