

Location: 275' FSL, 1450' FWL
SE/4 SW/4 Section 4(N), T31N, R6W
San Juan Co., NM
Elevation: 6416' GR
API: 30-045-34251

Spud Date 4-7-2008
Completed 6-22-2008 (DK)
10-06-2008 (MCS)
ID'd: 06-24-2008 (DK)

<i>Tops</i>	<i>Depth</i>
Ojo Alamo	2369'
Kirtland	2485'
Pictured Cliffs	3200'
Cliff House	5391'
Point Lookout	5680'
Mancos	6015'
Dakota	7920'

Mesa Verde:
To be completed at later date

Mancos

4th stage. 6930' – 7074' (30, 0.34" holes)
Frac w/ 7600# 100 white mesh sand followed
w/18000# 40/70 white sand

3rd stage 7150' – 7270' (27, 0.34" holes)
Frac w/7640# 100 white mesh sand followed
w/117240 40/70 white sand

2nd stage 7415' – 7535' (75, 0.34" holes)
Frac w/7500# 100 white mesh sand followed
w/26500# 40/70 white sand

1st stage: 7644' – 7687' (24, 0.36" holes)
Frac w/ 8140# 100 white mesh sand followed
w/8540# 40/70 white sand

7750' (6, 0 36" holes) pump in only

7810' (6, 0.36" holes) pump in only

Dakota: 7920' - 8052' (63, 0 36" holes)
Frac w/9900# LP108 14/40 followed
w/3000# tempered LC 20/40.

10 jts of 20", 94#, X-52, BT&C csg.
Set @ 421'
Hole Size: 26"

83 jts of 10-3/4", 45 5#, K-55, BT&C csg. Set @ 3666'.
Hole Size: 14-3/4"

55 jts of 7-5/8", 26.4#, K-55, LT&C csg, set
@ 6024'. Top of Liner: 3498'
Hole Size: 9-7/8"

183 jts of 5-1/2", 17#, N-80 LT&C csg.
Landed @ 8224'. Float collar @ 8175'.
Marker jt @ 2652'
Hole Size: 6-3/4"

Mancos Tubing Tubing landed as follows: 2-7/8" half MS W/ exp ck, 1 jt 2-7/8" tubing, 1 2 28" ID "S/N and 240 jts 2-7/8" 6.5# J-55, EUE 8rd tubing. EOT @ 7703', S/N @ 7671'

CIBP @7850'

TD @ 8225'
PBDT @ 8168'

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
26"	20"	750 sx	1058 cu ft.	Surface
14-3/4"	10-3/4"	1560 sx	3 107 cu ft.	Surface
9-7/8"	7-5/8"	400 sx	856 cu.ft.	5900' (CBL)
6 3/4"	5 1/2"	245 sx	558 cu.ft	3650' (CBL)