

Ute 34-21

Current Wellbore Diagram

API #05-067-09813

NWSW, Sec 34, T33N, R08W La Plata Co., CO

SPUD DATE: 6/20/10

9/7/2010

GL= 7326'

KB= 7338'

Pump Unit

Sentry 228-213-86 PU & Arrow C-101 gas engine

Surface Csg

8 5/8", 24#, J-55 csg at 479'. Cmt- 270 sx "G", 1.17 cuft/sk. Top of cmt at surface.

Csg at 479'

KOP at 550'

7 7/8" hole

Production Tbg

Depth

123 jts 2 3/8" 4.7#, J-55 tbg	
2 3/8 x 5 1/2 B-2 tbg anchor	3995'
12 jts 2 3/8" 4.7#, J-55 tbg	
2 3/8" STD SN	4381'
2 3/8" x 4' perf sub	
2 jts 2 3/8" mud anchor	
2 3/8" WLREG	4453'

Rods & Pump

1.25 x 26' polish rod
1 - 7/8" rod, 3- 7/8" pony rods
15 - 7/8" rods
158 - 3/4" guided rods, 4 per
7/8" x 4' guided stabilizer rod
2 x 1.25 x 10 x 11 x 14 RHAC pump, 4' grooved plunger
1" x 6' dip tube

Combined fracs: 183,200# 20/40 sd & 3917 bbls fluid

Fruitland Coal Perfs:

Perf 4106-4107, 4116-4118, 4121-4125, 4131-4133', 4spf, .41" diam

Acid balloff- 1100 gal 15% HCL. Frac- 39,600# 20/40 AZ Brwn sd, Sndwedge NT, 17&20# XL gel, hybrid pad

Perf 4209-4212, 4219-4222, 4240-4248, 4255-4259, 4spf, .41" diam

Acid balloff- 2016 gal 15% HCL. Frac- 110,100# 20/40 AZ Brwn sd, Sndwedge NT, 17&20# XL gel, hybrid pad

Perf 4288-4294', 4spf, .41" diam

Acid balloff- 630 gal 15% HCL. Frac- 33,500# 20/40 AZ Brwn sd, Sndwedge NT, 17&20# XL gel, hybrid pad

Production Csg

5 1/2", 17#, L-80 csg at 4654' MD. Cmt- Lead 460 sx HLC, 1.83 cuft/sk, 12.5 ppg. Tail 260 sx 50/50 Poz, 1.3 cuft/sk, 13.5 ppg. Top of cmt at 1110' by CBL.

PBTD 4622' MD
Csg at 4654' MD

TD 4660' MD = 4225' TVD

Angle at TD = 28 deg