

## ATLAS ROCKIES, LLC

Date: 1/20/2011  
 Prepared by: Maddie Lariviere  
 Lease: OLTJENBRUNS  
 Well Number: 843-6-41-L1  
 API: 05-095-06222-00  
 Location: **NENE, Lot 1 Sec. 6 -- T8N-R43W**  
 BHL:  
 Field: Amherst  
 Unit:  
 County: Phillips  
 State: Colorado  
 GL: 3708  
 KB: 3720  
 Spud Date: 11/30/2010  
 Completion date: 12/14/2010  
 First gas sales: 12/29/2010

WI  
 NRI  
 Surface  
 Mineral

fee  
 fee

SURVEYS:  
 500 0.4  
 1000 0.6  
 1500 1.16  
 1750 2.16  
 1825 0.79  
 2000 1.71  
 2500 2.18  
 2625 2.26

Geological tops  
 Surface 3708  
 Pierre Shale 340  
 Sharron Springs 2379  
 Niobrara Chalk 2405  
 Beecher Island  
 Carlile  
 TD 2700

A-sect Wellhead Inc LM-70 7 X 4 1/2 1500# Screw on mandrel  
 B-sect R&M LM-45 4 1/2 X 2 3/8 1500# Screw on mandrel  
 Tree

## Surface Cement

Cement w/ 120 sk Portland 1/11 ASTM C 150 Cement  
 and displace w/742 gal of water Cir 7 brls cement to  
 the pit.. 30 ft cement left in the 7" sp. Pumped by Schaal  
 drilling. Plug down @ 2:30 PM 11/30/2010

Producing ZONE Niobrara

Hole Size 9 7/8  
 Surf Casing 7" 17# 11 jts meas 455.35  
 Shoe 467.35

Hole Size 6 1/4  
 Prod csg 4 1/2 11.6# 70 jts meas: 2669.36  
 Shoe 2681.36

TOC 1,820

## Cement Design

Rig up ADT Cementers and cement  
 w/75 sks type 1 neat cement .  
 Displace w/39.8 brls water.  
 Plug down @ 10:15 am on 12/2/2010  
 held ok

## Stimulation Treatment

Frac Niobrara with Maverick Stimulation using 28 # crosslinked gel  
 50,140 #16/30 Arizona sand and 49,860 # 12/20 Texas Gold sand for a  
 total of 100,000 # sand. 60 tons CO<sub>2</sub>. 546 BLWTR. 5 MIN- 629 PSI  
 10 MIN-614 PSI. 15 MIN-603 PSI . MAX RATE 13.8 AVG RATE 9.9  
 MAX PSI- 1171 AVG PSI 688 isip-674 psi

## tubing detail

1/6/2011  
 75 jts 2 3/8 2367.75  
 1 sn 2 3/8 1.10  
 1 jt 2 3/8 31.57  
 total tbg 2400.42  
 kb 12.00  
 btm tbg @ 2412.42

FLAG JT 2307-2329

## Perforations

2424-2440 W/ 4SPF  
 16 TOTAL FT  
 64 TOTAL SHOTS

PBTD 2,639.16  
 Csg shoe 2,681.36

TD 2,700

## Comments

Date

Completion history