

# ATLAS ROCKIES, LLC

Date: 1/24/2011  
 Prepared by: Maddie Lariviere  
 Lease: OLSON  
 Well Number: 943-27-21  
 API: 05-095-06170-00  
 Location: NENW, Sec. 27 T9N-R43W  
 BHL  
 Field: Amherst  
 Unit  
 County: Phillips  
 State: Colorado  
 GL: 3634  
 KB: 3646  
 Spud Date: 12/22/2010  
 Completion date: 1/11/2011  
 First gas sales

WI  
 NRI  
 Surface  
 Mineral

fee  
 fee

SURVEYS:  
 600 0.19  
 800 0.21  
 1000 0.09  
 1200 0.31  
 1400 1.15  
 1600 1.48  
 1800 1.51  
 2000 2.2  
 2200 2.68  
 2400 2.87  
 2600 2.63

Geological tops  
 Surface 3634  
 Pierre Shale 400  
 Sharron Springs 2371  
 Niobrara Chalk 2400  
 Beecher Island  
 Carlile  
 TD 2680

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/ 114 sk Portland 1/11 ASTM C 150 Cement  
 and displace w/722 gal of water Cir 6 brls cement to  
 the pit.. 50 ft cement left in the 7" sp. Pumped by Schaal  
 drilling. Plug down 12:45 PM 12/22/2010

## Producing ZONE

Niobrara

Hole Size 9 7/8  
 Surf Casing 7" 20# 11 jts meas 449.45  
 Shoe 461.45

0 Hole Size 6 1/4  
 Prod csg 4 1/2 11.6# 63 jts meas: 2635.70

TOC 1,650

## Cement Design

Rig up ADT Cementers and cement  
 w/90 sks type 1 neat cement .  
 Displace w/40.3 brls water.  
 Plug down @ 10:15 am on 12/29/2010  
 held ok

## Stimulation Treatment

Frac Niobrara with Maverick Stimulation using 28 # crosslinked gel  
 50,160 #16/30 Arizona sand and 50,020 # 12/20 Texas Gold sand for a  
 total of 100,180 # sand. 60 tons CO2. 546 BLWTR. 5 MIN- 779 PSI  
 10 MIN-723 PSI. 15 MIN -697 PSI . MAX RATE 14.7 AVG RATE 7.1  
 MAX PSI- 1260 AVG PSI 840 isip-893 psi

## tubing detail

3/17/2011  
 72 jts 2 3/8 229.68  
 1 sn 2 3/8 1.10  
 1 jt 2 3/8 31.94  
 1 SUB 10  
 1 SUB 8  
 total tbg 2350.72  
 kb 12.00  
 btm tbg @ 2362.72

FLAG JT 2204-2226

## Perforations

2374-2388 W/ 4SPF  
 14 TOTAL FT  
 56 TOTAL SHOTS

PBTD 2,605.00  
 Csg shoe 2,647.70

TD 2,680

## Comments

Date Completion history