

# ATLAS ROCKIES, LLC

Date: 12/29/2011  
 Prepared by: Maddie Lariviere  
 Lease: SAGEHORN  
 Well Number: 844-3-41-L8  
 API: 05-095-06390-00  
 Location: Lot 8, Sec. 3 T8N-R44W  
 BHL:  
 Field: Amherst  
 Unit:  
 County: Phillips  
 State: Colorado  
 GL: 3742  
 KB: 3754  
 Spud Date: 12/29/2011  
 Completion date: N/A  
 First gas sales: 3/1/2012

WI  
 NRI  
 Surface fee  
 Mineral fee

SURVEYS:

500	0.71
1000	0.44
1500	1.04
2000	1.06
2300	1.59
2600	1.29

Geological tops

Surface	3742
Pierre Shale	310
Sharron Springs	2431
Niobrara Chalk	2477
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/ 112 sk Portland 1/11 ASTM C 150 Cement  
 and displace w/699 gal of water Cir 9 brls cement to  
 the pit. 50 ft cement left in the 7" sp. Pumped by Schaal  
 drilling. Plug down 3:15 AM 12/28/2011

Producing ZONE Niobrara

Hole Size	9 7/8
Surf Casing	7" 17# 12 jts meas 451.65
Shoe	463.65

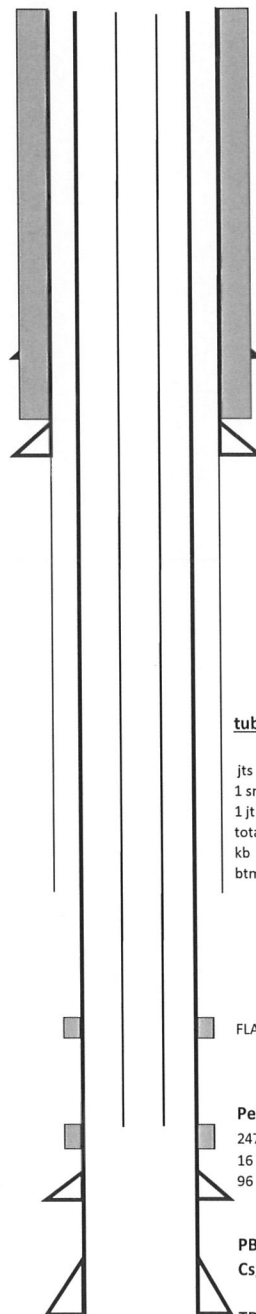
Hole Size	6 1/4
Prod csg	4 1/2 11.6# 69 jts meas: 2657.81

TOC 1,950

Cement Design  
 Rig up ADT Cementers and cement  
 w/75 sks type 1 neat cement .  
 Displace w/41.8 brls water.  
 Plug down @ 5:30 am on 12/30/2011  
 held ok

## Stimulation Treatment

Frac Niobrara with Maverick Stimulation using 28 # crosslinked gel  
 50,000 #16/30 Daniels sand and 50,000 # 12/20 Texas Gold sand for a  
 total of 100,000 # sand. 60.5 tons CO2. 552 BLWTR. 5 MIN- 620 PSI  
 10 MIN-614 PSI. 15 MIN -607 PSI . MAX RATE 15.8 AVG RATE 9.3  
 MAX PSI- 1169 AVG PSI 642 isip-650 psi



## tubing detail

jts 2 3/8  
 1 sn 2 3/8  
 1 jt 2 3/8  
 total tbg  
 kb 12.00  
 btm tbg @

## Perforations

2478-2494 W/ 4SPF  
 16 TOTAL FT  
 96 TOTAL SHOTS

PBTD 2,630.00  
 Csg shoe 2,669.18  
 TD 2,680

## Comments