

**ATLAS RESOURCES, LLC**

**Date:** 9/29/2011  
**Prepared by:** Maddie Lariviere  
**Lease** STOUT  
**Well Number** 944-25-43  
**API** 05-095-06245-00  
**Location** NESE, Sec. 25 T9N-R44W  
**BHL**  
**Field** Amherst  
**Unit**  
**County** Phillips  
**State** Colorado  
**GL** 3690  
**KB** 3702  
**Spud Date** 9/29/2011  
**Completion date** N/A  
**First gas sales** N/A

**WI**  
**NRI**  
**Surface fee**  
**Mineral fee**

**SURVEYS:**  
 470 0.28  
 1000 0.46  
 1300 0.48  
 1800 0.93  
 2000 1.08  
 2600 0.95

**Geological tops**  
 Surface **3702**  
 Pierre Shale 390  
 Sharron Springs 2374  
 Niobrara Chalk 2428  
**TD** 2695

**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/727 gal of water Cir 5 brls cement to the pit. 50 ft cement left in the 7" sp. Pumped by Schaal drilling. Plug down 2:15 PM 9/29/2011

**Producing ZONE** Niobrara

**Hole Size** 9 7/8  
**Surf Casing** 7" 17# 12 jts meas 467.18  
**Shoe** 479.18

**Hole Size** 6 1/4  
**Prod csg** 4 1/2 10.5# 67 jts meas: 2670.32

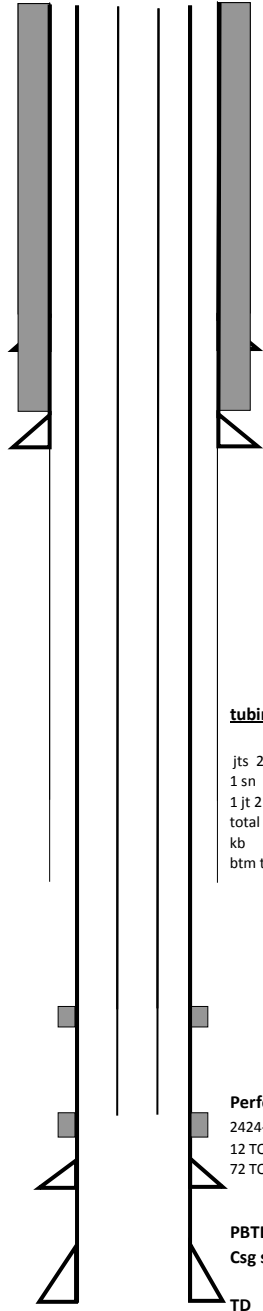
**TOC** 1,890

**Cement Design**

Rig up ADT Cementers and cement w/80 sks type 1 neat cement . Displace w/42 brls water. Plug down @ 2:00 am on 10/3/2011 held ok

**Stimulation Treatment**

Frac Niobrara with Maverick Stimulation using 28 # crosslinked gel 50,020 #16/30 Daniels sand and 50,040 # 12/20 Texas Gold sand for a total of 100,060 # sand. 60.06 tons CO2. 598 BLWTR. 5 MIN- 605 PSI 10 MIN-611 PSI. 15 MIN -613 PSI . MAX RATE 13.8 AVG RATE 7.9 MAX PSI- 2451 AVG PSI 721 isip-711 psi



**tubing detail**

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

**Perforations**  
 2424-2436 W/ 6SPF  
 12 TOTAL FT  
 72 TOTAL SHOTS

**PBTD** 2,642.17  
**Csg shoe** 2,682.32  
**TD** 2695'