

ATLAS ROCKIES, LLC

Date: 1/24/2011
 Prepared by: Maddie Lariviere
 Lease: MURRAY
 Well Number: 943-34-11
 API: 05-095-06207-00
 Location: NWNW, Sec. 34 T9N-R43W
 BHL
 Field: Amherst
 Unit
 County: Phillips
 State: Colorado
 GL: 3644
 KB: 3656
 Spud Date: 12/21/2010
 Completion date: 4/14/2011
 First gas sales

WI
 NRI
 Surface
 Mineral

SURVEYS:
 450 0.35
 1000 0.37
 1500 0.41
 2000 2.53
 2300 3.83
 2600 3.69

Geological tops
 Surface 3701
 Pierre Shale 390
 Sharron Springs 2341
 Niobrara Chalk 2390
 Beecher Island
 Carlile
 TD 2690

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/ 115 sk Portland 1/11 ASTM C 150 Cement
 and displace w/725 gal of water Cir 5 brls cement to
 the pit. 30 ft cement left in the 7" sp. Pumped by Schaal
 drilling. Plug down 12:45 PM 12/21/2010

Producing ZONE

Niobrara

Hole Size 9 7/8
 Surf Casing 7" 20# 12 jts meas 467.07
 Shoe 456.40

0 Hole Size 6 1/4
 Prod csg 4 1/2 11.6# 62 jts meas: 2664.30

TOC 1,758

Cement Design

Rig up ADT Cementers and cement
 w/90 sks type 1 neat cement .
 Displace w/40.8 brls water.
 Plug down @ 1:15 am on 12/28/2010
 held ok

Stimulation Treatment

Frac Niobrara with Maverick Stimulation using 28 # crosslinked gel
 50,020 #16/30 Daniels sand and 50,020 # 12/20 Texas Gold sand for a
 total of 100,040 # sand. 60.07 tons CO2. 547 BLWTR. 5 MIN- 599 PSI
 10 MIN-592 PSI. 15 MIN -590 PSI . MAX RATE 14.0 AVG RATE 7.7
 MAX PSI- 1482 AVG PSI 721 isip-629 psi

tubing detail

6/7/2011
 72 jts 2 3/8 2323.85
 1 sn 2 3/8 1.10
 1 jt 2 3/8 32.28
 total tbg 2357.23
 kb 12.00
 btm tbg @ 2369.23

Perforations

2388-2400 W/ 65SPF
 12 TOTAL FT
 44 TOTAL SHOTS

PBTD 2,632.70
 Csg shoe 2,664.30

TD 2,690

Comments

Date Completion history