

ATLAS RESOURCES, LLC

Date: 11/22/2011
 Prepared by: Maddie Lariviere
 Lease: RAFERT
 Well Number: 843-22-22
 API:
 Location: SENW, Sec. 22 T8N-R43W
 BHL
 Field: Amherst
 Unit:
 County: Phillips
 State: Colorado
 GL: 3656
 KB: 3688
 Spud Date: 11/22/2011
 Completion date: N/A
 First gas sales: 2/28/2012

WI
 NRI
 Surface fee
 Mineral fee

SURVEYS:
 500 0.25
 1000 0.25
 1500 0.29
 2000 1.81
 2600 1.65

Geological tops
 Surface 3656
 Pierre Shale 280
 Sharron Springs 2323
 Niobrara Chalk 2374

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/ 98 sk Portland 1/11 ASTM C 150 Cement
 and displace w/760 gal of water Cir 7 brls cement to
 the pit. 30 ft cement left in the 7" sp. Pumped by Schaal
 drilling. Plug down 1:30 PM 11/22/2011

Producing ZONE Niobrara

Hole Size 9 7/8
 Surf Casing 7" 17# 12 jts meas 460.65
 Shoe 472.65

Hole Size 6 1/4
 Prod csg 4 1/2 10.5# 64 jts meas: 2654.60

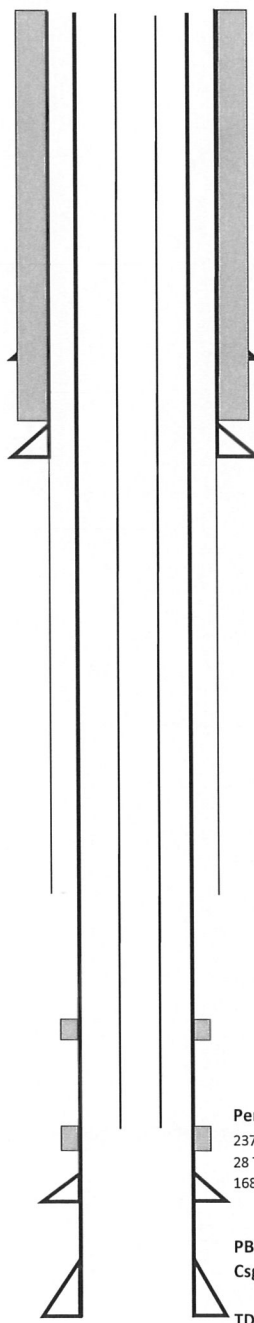
TOC 1,900

Cement Design

Rig up ADT Cementers and cement
 w/80 sks type 1 neat cement .
 Displace w/41.3 brls water.
 Plug down @ 5:00 am on 11/29/2011
 held ok

Stimulation Treatment

Frac Niobrara with Maverick Stimulation using 28 # crosslinked gel
 50,120 #16/30 Daniels sand and 50,040 # 12/20 Texas Gold sand for a
 total of 100,160 # sand. 60.13 tons CO2. 552 BLWTR. 5 MIN- 588 PSI
 10 MIN-573 PSI. 15 MIN -566 PSI . MAX RATE 13.5 AVG RATE 9.0
 MAX PSI- 1215 AVG PSI 632 isip-617 psi



Perforations
 2376-2404 W/ 6SPF
 28 TOTAL FT
 168 TOTAL SHOTS

PBTD 2,624.94
 Csg shoe 2,666.60

TD 2,680