

ATLAS RSESOURCES, LLC

Date: 10/29/2011
 Prepared by: Maddie Lariviere
 Lease: DIRKS
 Well Number: 843-3-12-L12
 API: 05-095-06215-00
 Location: Lot 12, SWNW, Sec. 3 T8N-R43W
 BHL:
 Field: Amherst
 Unit:
 County: Phillips
 State: Colorado
 GL: 3662
 KB: 3674
 Spud Date: 10/29/2011
 Completion date: N/A
 First gas sales: N/A

WI
 NRI
 Surface fee
 Mineral fee

SURVEYS:
 500 0.51
 1000 1.09
 1500 3.45
 2000 4.07
 2300 3.65
 2600 2.54

Geological tops
 Surface 3662
 Pierre Shale 335
 Sharron Springs 2355
 Niobrara Chalk 2400
 TD 2705

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/ 100 sk Portland 1/11 ASTM C 150 Cement
 and displace w/750 gal of water Cir 8 brls cement to
 the pit. 30 ft cement left in the 7" sp. Pumped by Schaal
 drilling. Plug down 2:30 PM 10/28/2011

Producing ZONE Niobrara

Hole Size 9 7/8
 Surf Casing 7" 17# 12 jts meas 455.20
 Shoe 467.20

Hole Size 6 1/4
 Prod csg 4 1/2 10.5# 66 jts meas: 2681.57

TOC 1,830

Cement Design
 Rig up ADT Cementers and cement
 w/80 sks type 1 neat cement .
 Displace w/42.2 brls water.
 Plug down @ 11:30 PM on 10/31/2011
 held ok

Stimulation Treatment

Frac Niobrara with Maverick Stimulation using 28 # crosslinked gel
 49,020 #16/30 Daniels sand and 51,000 # 12/20 Texas Gold sand for a
 total of 100,020 # sand. 58.97 tons CO2. 557 BLWTR. 5 MIN- 622 PSI
 10 MIN-596 PSI. 15 MIN -560 PSI MAX RATE 13.9 AVG RATE 8.5
 MAX PSI- 1120 AVG PSI 692 isip-760 psi

Perforations
 2405-2433 W/ 6SPF
 28 TOTAL FT
 168 TOTAL SHOTS

PBTD 2,651.38
 Csg shoe 2,693.57
 TD 2,705

