

BLACK RAVEN ENERGY

Date: 5/21/2014
Prepared by: David Kunovic
Lease SKOLD RANCH
Well Number 946-14-21
API 05-115-06095
Location NENW Section 14, T9N-R46W
BHL
Field Wildcat
Unit
County Sedgwick
State Colorado
GL 3914
KB 3926
Spud Date 12/14/2011 (surface csg)
Completion date 1/10/2012
First gas sales SI

WI
NRI
Surface fee
Mineral fee

SURVEYS:
 500 0.59
 1000 0.35
 2000 1.17
 2500 3.46
 3500 0.91
 3800 0.93

Geological tops
 Surface
 Pierre Shale 508
 Sharron Springs 2915
 Niobrara Chalk 2659
 Ft Hays 3280
 Carlile 3340
D Sand 3646
J Sand 3736
Skull Creek 3836

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/ 110 sks Portland 1/11 ASTM C 150 Cement and displace w 769 gal water. Cir 4 bbls cement to pit. 30 ft cement left in 7". Pumped by Schaal Drilling Plud Down 1:15 AM 12/13/11

Producing ZONE SWD well - D & J Sands

Hole Size 9 7/8"
Surf Casing 7" 17 lb.
Shoe 498'

Hole Size 6 1/4"
Prod csg 4 1/2" 11.6 lb.
Set @ 3867'
PBTD 3824

TOC 3070 est

Cement Design Rig up ADT Cementers and cement w 158 sks type 1 neat cement Displace w/ 59.2 bbls water. Plug down @ 2:30 AM 1/7/12 Held OK

Stimulation Treatment

Propose acidizing perfs followed by water injection test

Comments

