

BLACK RAVEN ENERGY, INC.

Date:
Prepared by: Maddie Lariviere
Lease: BRINKEMA
Well Number: 3-Mar
API:
Location: NENW, Sec. 33 T8N-R43W
BHL:
Field: Amherst
Unit:
County: Phillips
State: Colorado
GL:
KB:
Spud Date:
Completion date:
First gas sales:

WI:
NRI: 475
Surface fee: 2360
Mineral fee: 2405
SURVEYS: 2856
2875

Geological tops:
 Surface
 Sharron Springs
 Niobrara
 Carlile
TD

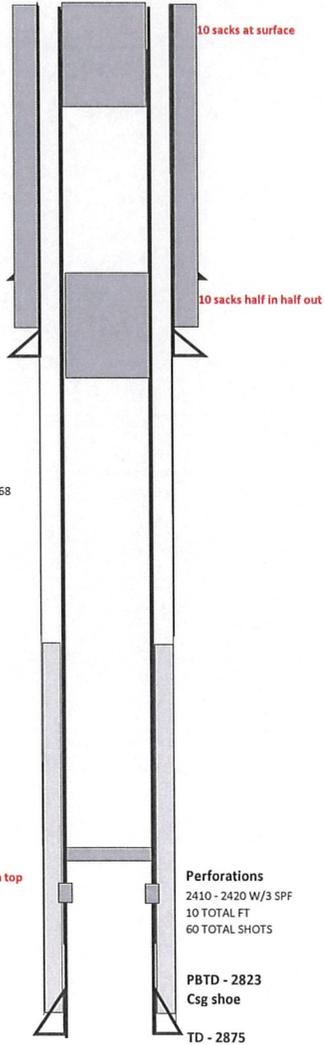
A-sect: Wellhead Inc LM-70
B-sect: R&M LM-45
Tree:

7 X 4 1/2: 1500# Screw on mandrel
4 1/2 X 2 3/8: 1500# Screw on mandrel

Surface Cement: Cement w/ 208 sk Portland 1/11 ASTM C 150 Cement and displace w/745 gal of water

Producing ZONE: Niobrara

Hole Size: 9 7/8
Surf Casing: 7" 20# 12 jts meas 458
Shoe: 458.00



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Hole Size: 6 1/4
Prod csg: 4 1/2 11.6# 2868

TOC: 1,720

Cement Design: Cement w/85 sks type 1 neat cement. Displace w/41 brls water.

Stimulation Treatment

Perforations: 2410 - 2420 W/3 SPF
 10 TOTAL FT
 60 TOTAL SHOTS

PBTD - 2823
Csg shoe

TD - 2875

Comments

Date: Completion history