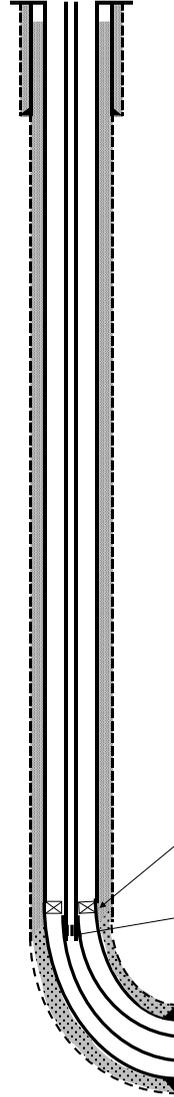


WELL NAME: State Pronghorn #X44-32-31MRLNC
FIELD: WATTENBERG
SHL: qtr-qtr SESE Section 32 Township 5N Range 61W
BHL: qtr-qtr SWSW Section 31 Township 5N Range 61W
COUNTY: WELD STATE: CO API: 05-123-41261
OPERATOR: BONANZA CREEK ENERGY OPERATING COMPANY LLC
FORMATION: Niobrara

not to scale
GROUND LEVEL: 4531'
KELLY BUSHING: 4548'
SPUD DATE: 5/19/2015
TD DATE: 5/25/2015

9 5/8" csg @ 447'



SURFACE CASING
 SIZE: 9 5/8"
 WEIGHT: 36#
 HOLE SIZE: 13 1/2"
 HOLE DEPTH: 447'
 CSG DEPTH: 447'
 CEMENT: 225 sks
 TOC: surface

INTERMEDIATE CASING
 SIZE: 7"
 WEIGHT: 26#
 HOLE SIZE: 8 3/4"
 HOLE DEPTH: 6593'
 CSG DEPTH: 6593'
 CEMENT: 850 sks
 TOC: 94'

PRODUCTION LINER
 SIZE: 4 1/2"
 WEIGHT: 11.6#
 HOLE SIZE: 6 1/8"
 HOLE DEPTH MD: 12016'
 HOLE DEPTH TVD: 6047'
 LINER TOP: 5683'
 LINER SHOE: 12009'
 CEMENT: Open hole
 TOC: Open hole

PRODUCTION TUBING
 SIZE: 2-3/8"
 WEIGHT: 4.7#
 DEPTH: 6322'
 PACKER DEPTH: n/a

FORMATION TOPS & PERFORATIONS
 NIOBRARA MD 6126'
 PERFORATIONS 6662' - 12016'

FRAC DATA
 0 BBLs GELLED FLUID
 0 BBLs ACID
 86.577 BBLs FRESH WATER
 86.577 BBLs TOTAL FLUID

5,100,095 # 30/50 OTTAWA, 40/70 OTTAWA
 5,100,095 # TOTAL SAND
 34 # TOTAL STAGES

Liner Top @ 5683'
 EOT @ 6322'
 8 3/4" hole @ 6593'
 7" csg @ 6593'

Liner Shoe @ 12009'
 MD TD 12016'