

SHARKEY 14-26

P&A Procedure

Engineer: Ben Zapp, PE (303-241-1273)

Date: 3/20/17

**LOCATION:**

Qtr/Qtr: SESW Section: 26 Township: 4N Range: 67W
 Footages: 0 & 0
 COUNTY: WELD STATE: CO API #: 05-123-20426

WELL DATA:

Surface Csg: 8.625" 24# @ 708' KB KB Elevation: 4759'
 Surface Cmt: 495 sx GL Elevation: 4747'
 Long St Csg: 4.5" 11.6# I-80 @ 7422' KB TD: 7465' KB
 Long St Cmt: 150 sx PBTD: 7392' KB
 Long St Date: 9/30/2001

Plug Back (Sand or CIBP): FILL
 Perforation Interval (1): Niobrara Perforations: 6866-6946' KB
 Perforation Interval (2): Codell Perforations: 7166-7186' KB
 Perforation Interval (3): _____
 Tubing: 2.375" 4.7# J-55 @ 7122' KB Rods: _____
 Pump: _____
 Misc.: _____

PRODUCTION STATUS:

Shut In

COMMENTS:

None

PROCEDURE:

- 1) MIRU workover rig, pump, and tank.
- 2) Blow down well and roll hole with fresh water, if possible.
- 3) ND WH, NU BOP.
- 4) POOH and stand back tbq.
- 5) RU WL and RIH w/ CIBP and set @ 6816'
- 6) Dump bail 2 sx G Neat cement on top of CIBP. TOC @ 6786'
- 8) RIH w/ 1' perforating gun and shoot 4-6 spf @ 2500'
- 9) RIH w/ CICR on workstring and set @ 2400' (100' above perforations).
- 11) Establish injection rate.
- 12) Pump 10 bbls Mud Flush (or similar spacer) followed by 230 sx of 15.8 Enhanced Plug Cem.
- 13) Displace cement with 7 bbls fresh water (2 bbls short of workstring volume).
- 14) Unsting from CICR.
- 15) Place remaining 2 bbls of cement on top of CICR. Allow to fall on CICR as pulling out. TOC: 2271'
- 16) POOH w/ workstring.
- 17) RIH w/ WL and cut production casing at 908'.
- 20) Unland production casing.
- 21) POOH and LD production casing filling pipe every 6 joints.
- 22) RIH w/ workstring to 958' (50ft inside top of casing cut).
- 23) Establish circulation.
- 24) Pump 10 bbls Mud Flush (or similar spacer) followed by 120 sx of cement 15.8 Enhanced PlugCem as a balanced plug. TOC @ 658'
- 26) RIH w/ workstring to 658' and pump 205 sx of 15.8 G Neat. TOC @ surface. Top off cement if >10' from surface.
- 27) ND BOP.
- 28) RDMO.

NOBLE ENERGY INC.
SHARKEY 14-26
SESW 26-4N-67W
0 & 0
WELD COUNTY, CO
Wattenberg
CURRENT WELLBORE SCHEMATIC
with PROPOSED P&A
Date: 3/20/17

API: 05-123-20426

GL Elev: 4747'
 KB Elev: 4759'

Spud Date: 7/26/2001

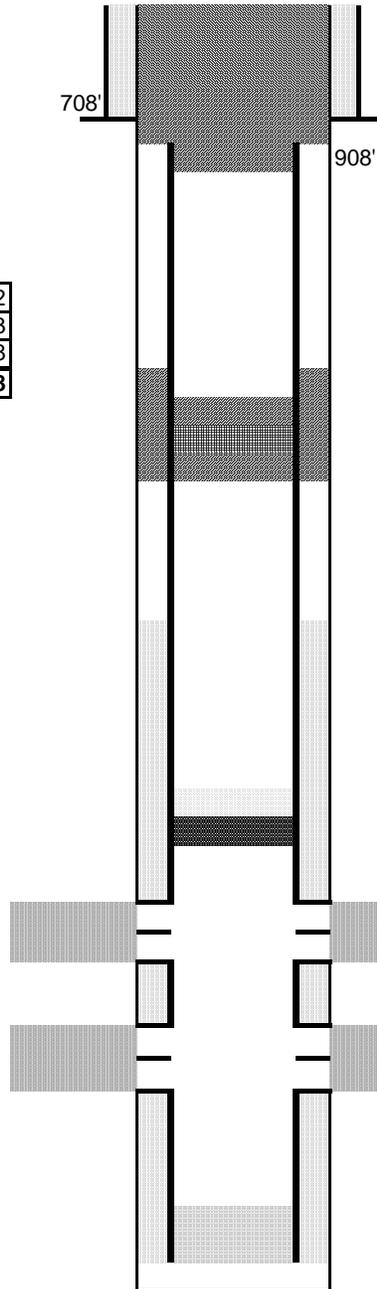
Surface Casing:
 8.625" 24# @ 708' KB
 Cement: 495 sx
 TOC: Surface

Water Well	62	262
FH:	253	453
Sfc Casing	708	908
Min. shoe plug depth:		908

TOC @ 5410'

Nio Log Top: 6860'

Production Casing:
 4.5" 11.6# I-80 @ 7422' KB
 Cement: 150 sx
 TD: 9/30/2001



Cut surface casing off 6'-8' below surface.

Pump 205sx at 658'. TOC @ surface

Cut Casing @ 908'
 Pump 120sx @ 958' TOC @ 658'

Perforare 2500'
 CICR @ 2400'
 Pump 230sx 15.8ppg Enhanced PlugCem
 TOC: 2000' annulus, 2271' in pipe

TOC: 6786'
 Set CIBP @ 6816' w/ 2sx cement on top

Niobrara Perforations: 6866-6946' KB

Codell Perforations: 7166-7186' KB

TD: 7465' KB