

WORKOVER PROCEDURE

WELL NAME: Spike State D16-05 **DATE:** 9/9/2016

LOCATION: Qtr/Qtr: SWNW Section: 16 Township: 3N Range: 64W

Footages: 1989 FNL & 659 FWL

COUNTY: WELD **STATE:** CO **API #:** 05-123-15908

ENGINEER: AJ Paine 7 Day Notice Sent: _____
(Please notify Engineer of any major Do not start operations until: _____
changes prior to work) Notice Expires: _____

OBJECTIVE: P&A

WELL DATA: Surface Csg: 8 5/8", 24#, J-55 @ 352' KB Elevation: 4767'
Surface Cmt: 250 sx GL Elevation: 4754'
Long St Csg: 3 1/2", 9.5# @ 7035' TD: 7105'
Long St Cmt: 470 sx PBTD: 7007'
Long St Date: 7/13/1992

Plug Back (Sand or CIBP): Sand (Tubing tally 2012)
Perforation Interval (1): Sussex Perforations: 4347' - 4368'
Perforation Interval (2): Codell Perforations: 6972' - 6982'
Perforation Interval (3): _____
Tubing: 2 1/16", 3.25#, J-55 @ 6942' Rods: _____
Pump: _____
Misc.: SN @ EOT

PRODUCTION STATUS: Shut in. 0/45 psi and won't build pressure, most likely scale obstructing wellbore.
COMMENTS: Large amounts of scale reported in 2012 during Sussex squeeze job

PROCEDURE:

- 1) Verify with AJ Paine that Form 17 has been completed and required samples have been gathered prior to RU.
 - a) Office: (720)587-2374
 - b) Cell: (406)671-4612
 - c) If Form 17 has not been completed, rig foreman to perform Form 17 and recover required samples;
 - d) Direct sample to Precision contact for analysis
- 2) MIRU Workover rig, pump & tank.
- 3) POOH and laydown 2 1/16" tubing.
- 4) RU WL. RIH w/ CIBP and set @ 6922'
- 5) RIH w/ workstring to pump 15 sx balance plug from 6922' - 6600' for Niborara coverage.
- 6) RU WL. RIH w/ CIBP. Set @ 4297'; dump bail 2 sx of cement on top.
- 7) Unland casing. Cut casing off @ 2500'. POOH and laydown 3 1/2" casing.
- 8) RIH w/ workstring to pump 100 sx stub plug from 2550' - 2450'. If maintain circulation, no need to tag plug.
- 9) POOH w/ workstring to 639'. Pump 255 sx shoe plug. Cement to surface.
- 10) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 11) Cut surface casing off 6'-8' below ground.
- 12) Clean up location. Reclaim location. RDMO.

NOBLE ENERGY INC.
 Spike State D16-05
 SWNW 16-3N-64W
 1989 FNL & 659 FWL
 WELD COUNTY, CO
 Wattenberg
CURRENT WELLBORE SCHEMATIC
 with PROPOSED P&A
 9/9/2016

API: 05-123-15908

KB Elev: 4767'
 GL Elev: 4754'

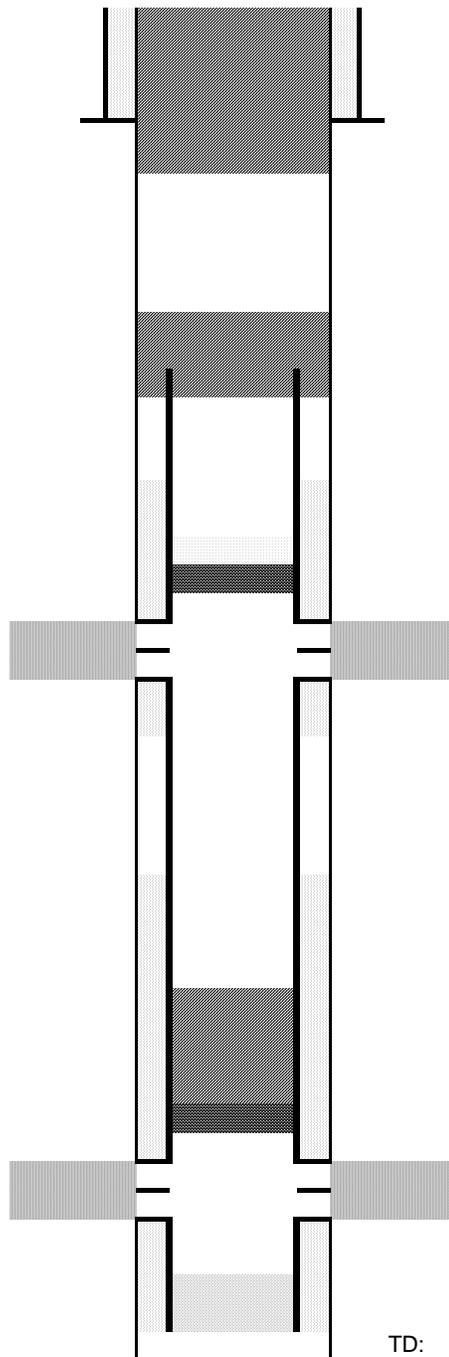
Spud Date: 7/10/1992

Surface Casing :
 8 5/8", 24#, J-55 @ 352'
 Cement: 250 sx
 TOC: Surface

TOC @ 3910'

TOC @ 6225'

Production Casing :
 3 1/2", 9.5# @ 7035'
 Cement: 470 sx
 Run Date: 7/13/1992



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

Pump approx 255 sx shoe plug @ 639'
 Will bring cement to surface.

Pump 100 sx stub plug where csg was pulled
 Cut and pull csg @ 2500'

CIBP @ 4297' w/ 2 sx cement on top

Sussex Perforations: 4347' - 4368'

Pump 15 sx balance plug from 6922' - 6600'
 CIBP @ 6922' w/ 2 sx cement on top

Codell Perforations: 6972' - 6982'

TD: 7105'