

WORKOVER PROCEDURE

WELL NAME: BRUNNER 14-33 DATE: 12/16/2015

LOCATION: Qtr/Qtr: SWSW Section: 14 Township: 6N Range: 64W

Footages: 473 FSL & 685 FWL

COUNTY: WELD STATE: CO API #: 05-123-21573

ENGINEER: JASON LEHMAN 7 Day Notice Sent: Do not start operations until: Notice Expires:

OBJECTIVE: P&A

WELL DATA: Surface Csg: 8-5/8" 24# @ 407' KB Elevation: 4721'
Surface Cmt: 225 sx GL Elevation: 4711'
Long St Csg: 4-1/2" 11.6# @ 6980' TD: 7025'
Long St Cmt: 385 sx PBDT: 6938'
Long St Date: 8/12/2003

Plug Back (Sand or CIBP):
Perforation Interval (1):
Perforation Interval (2): Codell Perforations: 6879'-6892'; 6880'-6890';
Perforation Interval (3):
Tubing: 2-3/8" @ 6858' Rods:
Pump:
Misc.: Nio Top ~ 6586'

PRODUCTION STATUS: SI due to emissions compliance
COMMENTS: P&A for offset horizontal wells

PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
2) POOH w/ 2-3/8" tbg and lay down.
3) RU WL. RIH w/ CIBP. Set CIBP @ 6829', dump bail 2 sx of cement on top.
4) RIH w/ workstring to 6816'. Pump 25 sx balance plug. SI, WOC. RIH. Tag balance plug @ approx 6486'.
5) Unland casing. Cut casing off @ 2500'. POOH with casing laying down on trailer.
6) RIH w/ workstring to pump 125 sx stub plug where csg was pulled. If maintain circulation, no need to tag plug.
7) POOH w/ workstring to 542'. Pump 184 sx shoe plug. Cement to surface.
8) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
9) Cut surface casing off 6'-8' below ground.
10) Clean up location. Reclaim location. RDMO.

NOBLE ENERGY INC.
 BRUNNER 14-33
 SWSW 14-6N-64W
 473 FSL & 685 FWL
 WELD COUNTY, CO
 Wattenberg
CURRENT WELLBORE SCHEMATIC
 with PROPOSED P&A
 1/26/2016

API: 05-123-21573
 COGCC #

GL Elev: 4711'
 KB Elev: 4721'

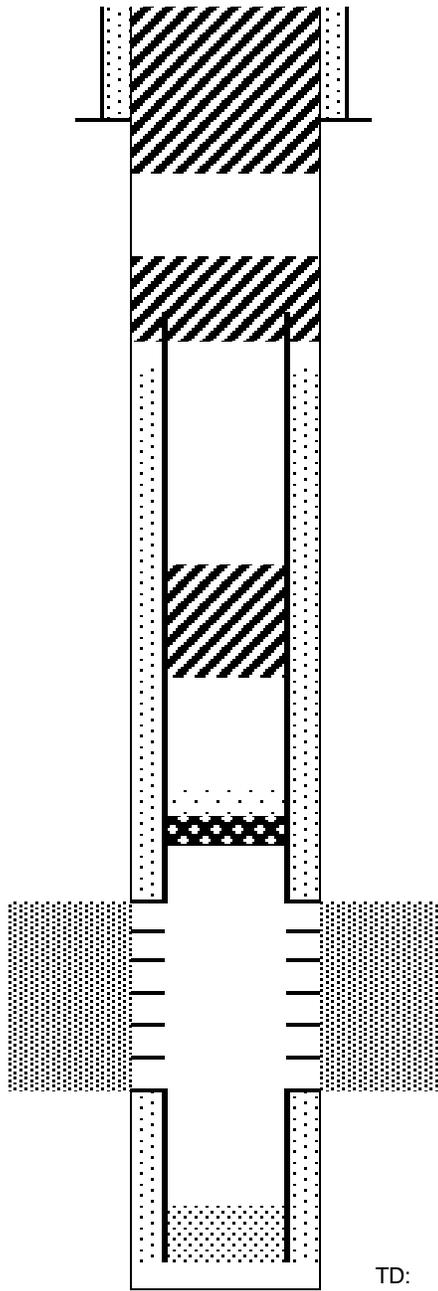
Spud Date:

Surface Casing :
 8-5/8" 24# @ 407'
 Cement: 225
 TOC: Surface

TOC @ 3218'

Nio Top 6586'

Production Casing :
 4-1/2" 11.6# @ 6980'
 Cement: 385
 TD: 8/12/2003



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

Pump approx 184 sx shoe plug @ 542'
 Will bring cement to surface.

Pump 125 sx stub plug where csg was pulled
 Cut and pull csg @ 2500'

Pump 25 sx balance plug at 6816'.

CIBP @ 6829' w/ 2 sx cement on top

Codell Perforations: 6879'-6892'; 6880'-6890'

TD: 7025'