

WORKOVER PROCEDURE

WELL NAME: BRUNNER 14-01 **DATE:** 12/16/2015
LOCATION:
Qtr/Qtr: NWSW Section: 14 Township: 6N Range: 64W
Footages: 1999 FSL & 657 FWL
COUNTY: WELD **STATE:** CO **API #:** 05-123-14826

ENGINEER: JASON LEHMAN 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# @ 363' KB Elevation: 4729'
Surface Cmt: 220 sx GL Elevation: 4716'
Long St Csg: 4-1/2" 12.75# @ 6982' TD: 7008'
Long St Cmt: 230 sx PBTD: 6928'
Long St Date: 1/11/1991

Plug Back (Sand or CIBP): _____
Perforation Interval (1): Niobrara Perforations: 6721'-6726'
Perforation Interval (2): Codell Perforations: 6878'-6888'; 6882'-6887'
Perforation Interval (3): _____
Tubing: 2-3/8" @ 6851' Rods: _____
Pump: _____
Misc.: _____

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 @ 6671', dump bail 2 sx of cement on top.
- 4) Unland casing. Cut casing off @ 2500'. POOH with casing laying down on trailer.
- 5) RIH w/ workstring to pump 125 sx stub plug where csg was pulled. If maintain circulation, no need to tag plug.
- 6) POOH w/ workstring to 551'. Pump 190 sx shoe plug. Cement to surface.
- 7) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 8) Cut surface casing off 6'-8' below ground.
- 9) Clean up location. Reclaim location. RDMO.

NOBLE ENERGY INC.
 BRUNNER 14-01
 NWSW 14-6N-64W
 1999 FSL & 657 FWL
 WELD COUNTY, CO
 Wattenberg
CURRENT WELLBORE SCHEMATIC
 with PROPOSED P&A
 12/16/2015

API: 05-123-14826
 COGCC #

GL Elev: 4716'
 KB Elev: 4729'

Spud Date:

Surface Casing :

8-5/8" 24# @ 363'
 Cement: 220
 TOC: Surface

TOC @ 5835'

Nio Top 6507'

Production Casing :

4-1/2" 12.75# @ 6982'
 Cement: 230
 TD: 1/11/1991

