

## WORKOVER PROCEDURE

**WELL NAME:** Thomson B12-13 **DATE:** 10/7/2016  
**LOCATION:**  
Qtr/Qtr: SW/SW Section: 12 5N Range: 64W  
Footages: 486 FSL & 678 FWL  
**COUNTY:** WELD **STATE:** CO **API #:** 05-123-19266

**ENGINEER:** Jon Lefor 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" 23# @ 367' KB Elevation: 4605'  
Surface Cmt: 250 sx GL Elevation: 4595'  
Long St Csg: 3 1/2" 7.7#, B-70 @ 6864' TD: 6884'  
Long St Cmt: 185 sx PBTD: 6750'  
Long St Date: 1/11/1997

Plug Back (Sand or CIBP):

Perforation Interval (1): Niobrara Perforations 6408' - 6511'

Perforation Interval (2): Codell Perforations 6684' - 6695'

Perforation Interval (3):

Perforation Interval (4):

Tubing: 1.9" 2.75# J-55 tbgr @ 6652' Rods:

Pump:

Misc.:

### PRODUCTION STATUS:

**COMMENTS:** Provide 48 hr notice of plugging MIRU via electronic form 42.  
Abandon flowlines as per Rule 1103. File electronic form 42 once abandonment completed.

### PROCEDURE:

Prior to plugging operations, perform a bradenhead test. If any pressure remains at the conclusion of the test or any  
1) liquids were present call COGCC engineer for sampling requirements. Submit form 17 within 10 days.

2) MIRU Workover rig, pump & tank.

3) POOH w/ 1.9" tbgr and lay down.

4) RU WL, RIH w/ CIBP. Set CIBP @ 6358', dump bail 2 sx of cement on top.

5) Unland casing. Cut casing off @ 2080'. POOH w/ casing laying down on trailer.

RIH w/ workstring to pump 100 sx stub plug where csg was pulled. If maintain circulation, no need to tag plug. 100' of  
6) cement is required, at least 50' in casing and at least 50' above csg.

7) POOH w/ workstring to 470'. Pump 185 sx shoe plug. Cement to surface.

If circulation not maintained to surface then tag plug, must be at 317' or shallower, provide 10 sx plug at surface Leave  
8) at least 100' of cement in the casing for each plug.

9) SI, WOC. RIH. Tag shoe plug. Add cement if needed.

10) Cut surface casing off 6'-8' below ground.

11) Clean up location. Reclaim location. RDMO.

**NOBLE ENERGY INC.**  
 Thomson B12-13  
 SWSW 12--64W  
 486 FSL & 678 FWL  
 WELD COUNTY, CO  
 Wattenberg  
**CURRENT WELLBORE SCHEMATIC**  
 with PROPOSED P&A  
 10/7/2016

API: 05-123-19266  
 COGCC #

GL Elev: 4595'  
 KB Elev: 4605'

Spud Date: 1/7/1997

**Surface Casing :**  
 8 5/8" 23# @ 367'  
 Cement: 250 sx  
 TOC: Surface

FH Depth= 242'  
 Deepest Water Well = 105'

Casing Repair in 2005 from 2085' to 3785'

Casing Repair in 2005 from 5122' to 5219'

TOC @ 5893'

**Production Casing :**  
 3 1/2" 7.7#, B-70 @ 6864'  
 Cement: 185 sx  
 TD: 1/11/1997

