

## WORKOVER PROCEDURE

**WELL NAME:** MCKENNEY 13-22 **DATE:** 9/29/2016  
**LOCATION:**  
Qtr/Qtr: NWNW Section: 13 Township: 6N Range: 64W  
Footages: 855 FNL & 658 FWL  
**COUNTY:** WELD **STATE:** CO **API #:** 05-123-24135

**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# @ 766' KB Elevation: 4679'  
Surface Cmt: 330 sx GL Elevation: 4669'  
Long St Csg: 4-1/2" 11.6# M-80 @ 6976' TD: 6976'  
Long St Cmt: 505 sx PBTD: 6960'  
Long St Date: 11/30/2006

Plug Back (Sand or CIBP):

Perforation Interval (1): Niobrara Perforations: 6540'-6556'; 6644'-6669'; 6645'-6665'; 6652'-6668';

Perforation Interval (2): Codell Perforations: 6823'-6836'

Perforation Interval (3): \_\_\_\_\_

Tubing: 2-3/8" 4.7# J-55 @ 6811' Rods: \_\_\_\_\_

Pump: \_\_\_\_\_

Misc.: \_\_\_\_\_

**PRODUCTION STATUS:** Shut in for emissions compliance and landowner issues  
**COMMENTS:** \_\_\_\_\_

### PROCEDURE:

- 1) Confirm that a Form 42 was filed, Form 17 has been performed and sample taken (only if required). If a Form 17 has not been performed, rig foreman to perform Form 17 and necessary sampling if required.
- 2) MIRU Workover rig, pump & tank.
- 3) POOH w/ 2-3/8" tbg and lay down.
- 4) RU WL. RIH w/ CIBP. Set CIBP @ 6490', dump bail 2 sx of cement on top.
- 5) Unland casing. Cut casing off @ 2250'. 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 866'. Pump 281 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.**  
MCKENNEY 13-22  
NWNW 13-6N-64W  
855 FNL & 658 FWL  
WELD COUNTY, CO  
Wattenberg  
**CURRENT WELLBORE SCHEMATIC**  
with PROPOSED P&A  
9/29/2016

API: 05-123-24135  
COGCC #

GL Elev: 4669'  
KB Elev: 4679'

**Spud Date:**

**Surface Casing :**

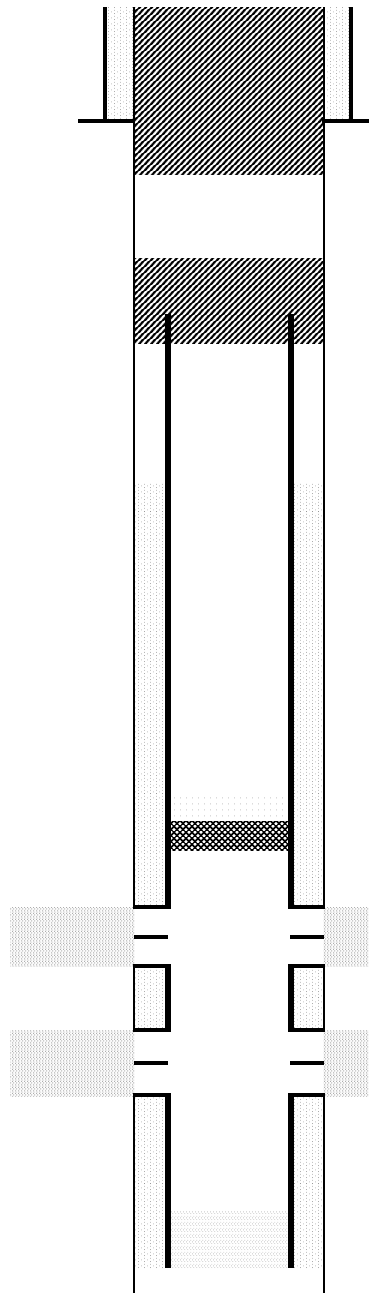
8-5/8" 24# @ 766'  
Cement: 330  
TOC: Surface

**TOC @ 2269'**

**Nio Top 6502'**

**Production Casing :**

4-1/2" 11.6# M-80 @ 6976'  
Cement: 505  
TD: 11/30/2006



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

Pump approx 281 sx shoe plug @ 866'  
Will bring cement to surface

Pump 125 sx stub plug where csg was pulled  
(TOC @ ~1986)  
Cut and pull csg @ 2250'

CIBP @ 6490 ' w/ 2 sx cement on top

Niobrara Perforations: 6540'-6556'; 6644'-  
6669'; 6645'-6665'; 6652'-6668';

Codell Perforations: 6823'-6836'

TD: 6976'