

WORKOVER PROCEDURE

WELL NAME: Nakagawa PMB13-10 **DATE:** 1/11/2017
LOCATION:
Qtr/Qtr: NW/SE Section: 13 Township: 5N Range: 64W
Footages: 1980 FSL & 1980 FEL
COUNTY: WELD **STATE:** CO **API #:** 05-123-14157

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" 24# @ 311' KB Elevation: 4580'
Surface Cmt: 325 sx GL Elevation: 4570'
Long St Csg: 4 1/2" 15.1# @ 6797' TD: 6847'
Long St Cmt: 220 sx PBDT: 6683'
Long St Date: 1/12/1989

Plug Back (Sand or CIBP): _____
Perforation Interval (1): Niobrara Perforations 6365' - 6552'
Perforation Interval (2): Codell Perforations 6636' - 6647'
Perforation Interval (3): _____
Perforation Interval (4): _____
Tubing: 2 3/8" 4.7# J-55 tbg @ 6601' 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:

- 1) Prior to plugging operations, perform a bradenhead test. If any pressure remains at the conclusion of the test or any liquids were present call COGCC engineer for sampling requirements. Submit form 17 within 10 days.
- 2) MIRU Workover rig, pump & tank.
- 3) POOH w/ 2 3/8" tbg and lay down.
- 4) RU WL, RIH w/ CIBP. Set CIBP @ 6315', dump bail 2 sx of cement on top.
- 5) Unland casing. Cut casing off @ 2500'. 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 cement is required, at least 50' in casing and at least 50' above csg, to be verified by tagging.
- 7) POOH w/ workstring to 415'. Pump 165 sx shoe plug. Cement to surface.
If circulation not maintained to surface then tag plug, must be at 261' or shallower, provide 10 sx plug at surface
- 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.