

WORKOVER PROCEDURE

WELL NAME: Lilli Unit 08-09 **DATE:** 10/4/2016
LOCATION:
Qtr/Qtr: SENE Section: 9 Township: 8N Range: 58W
Footages: 1980' FNL & 860' FEL
COUNTY: WELD **STATE:** CO **API #:** 05-123-14018
ENGINEER: Ben Zapp PE 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# @ 211' KB Elevation: 4,718
Surface Cmt: 130 sx GL Elevation: 4,708
Long St Csg: 4 1/2" 10.5# @ 6,448' TD: 6,450
Long St Cmt: 220 sx PBTD: 6,450
Long St Date: 9/10/1988

Plug Back (Sand or CIBP): None
Perforation Interval (1): D Sand 6,285' - 6,293'
Perforation Interval (2): _____
Perforation Interval (3): _____
Tubing: 2 3/8" @ 6,286' Rods: No
Pump: No
Misc.: _____

PRODUCTION STATUS: TA @ 6,378'
COMMENTS: TOC of 4 1/2" is 5,678'. Nio top is 5,542'.

- PROCEDURE:**
- 1) MIRU Workover rig, pump & tank. POOH w/ tbg and lay down.
 - 2) RU WL. RIH w/ CIBP. Set CIBP @ 6,235', dump bail 2 sx of cement on top.
 - 3) PU & RIH with perf gun, bottom squeeze hole @ 5512ft, top squeeze hole @ 5342ft. POOH with perf gun, verify shots fired. RD WL.
 - 4) PU & RIH with cement retainer. Set retainer at 5412ft. Pump 45sxs through btm perf, sting out pump 15sxs. Note: TOC is ~5342ft. Top of Niobrara @ ~ 5542ft
 - 5) RU WL. PU & RIH with perf gun, bottom squeeze hole @ 2500ft, top squeeze hole @ 2300ft. POOH with perf gun, verify shots fired. RD WL.
 - 6) PU & RIH with cement retainer. Set retainer at 2400ft. Pump 50sxs through btm perf, sting out pump 15sxs. Note: TOC is ~2300ft.
 - 7) RIH to 1000ft. Cut and pull casing.
 - 8) RIH w/ workstring to 1000ft. Pump 490sxs. Bring cement to surface.
 - 9) SI, WOC. Cut surface casing off 6'-8' below ground.
 - 10) RDMO WO Rig. Clean up and reclaim location