

WORKOVER PROCEDURE

WELL NAME: Mark 35-13 **DATE:** 9/6/2016
LOCATION:
Qtr/Qtr: SWNE Section: 35 Township: 4N Range: 65W
Footages: 2080 FNL & 1780 FEL
COUNTY: WELD **STATE:** CO **API #:** 05-123-15886

ENGINEER: Jeanne Van Slambrouck 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# @ 475' KB Elevation: 4,774
Surface Cmt: 150 sx GL Elevation: 4,763
Long St Csg: 3-1/2", N-80, 9.30# @ 7,228' TD: 7,228
Long St Cmt: 170 sx PBDT: 6,944
Long St Date: 6/26/1992

Plug Back (Sand or CIBP): **CIBP @ 6,950' set 4/17/2008**
Perforation Interval (1): Niobrara Perforations: 6,782' - 6,866'
Perforation Interval (2): Codell Perforations: 7,064' - 7,076'
Perforation Interval (3): _____
Tubing: 2-1/16", J-55, 3.25# @ 6,891' Rods: _____
Pump: _____
Misc.: **CIBP @ 6,950' set in 2008 for Nio recomplete, tagged @ 6,944' on 6/21/2013**

PRODUCTION STATUS: Producing, 0.5 bopd and 25 Mcfd, 400# / 400#
COMMENTS: Uneconomic to do Annular Fill and STEM

PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
- 2) POOH w/ 2-1/16" tbg and lay down.
- 3) RU WL. RIH w/ CIBP. Set CIBP @ 6,732', dump bail 2 sx of cement on top.
Run CBL from 6,000' to surface to determine cement coverage in upper wellbore. If casing can be cut and pulled at or
4) above 2,500', call office for new procedure.
- 5) RU WL. RIH w/ perf gun. Perforate 3-1/2" casing @ 4,400' and 4,700'.
- 6) RIH w/ workstring. Set CICR @ 4,500'. Pump 105 sx cement through and 10 sx on top.
- 7) RIH w/ workstring to pump 15 sx balance plug from 4,150' to 4,450'
Check bradenhead pressure. If pressure still exists, perform Step 9. If No Pressure is found on the bradenhead,
8) proceed to Step 10
Review CBL. Determine location to perforate 3-1/2" casing at or above 2,500' and pump ~300' annular and casing
9) plug. Skip Step 10.
- 10) POOH w/ workstring to 2,500'. Pump 50 sx courtesy plug.
- 11) POOH w/ workstring to 585'. Pump 25 sx shoe plug. Cement to surface.
- 12) SI, WOC. RIH. Tag shoe plug. Add cement if needed.
- 13) Cut surface casing off 6'-8' below ground.
- 14) Clean up location. Reclaim location. RDMO.