

WORKOVER PROCEDURE

WELL NAME: MATSUSHIMA PM K02-01 **DATE:** 8/5/2014

LOCATION: Qtr/Qtr: NENE Section: 2 Township: 4N Range: 66W

COUNTY: WELD STATE: CO API #: 05-123-14045

ENGINEER: Stephanie Kollé/Jacob Eicher 7 Day Notice Sent: _____
(Please notify Engineer of any major Do not start operations until: _____
changes prior to work) Notice Expires: _____

OBJECTIVE: Annular Fill - Fox Hills

WELL DATA: Surface Csg: 8 5/8" 24# @ 321' KB Elevation: 4675'
Surface Cmt: 321' GL Elevation: 4665'
Long St Csg: 4 1/2" 15.1# @ 7320' TD: 7340'
Long St Cmt: 6330' - 7320' PBSD: 7216'
Long St Date: 11/3/1988

Plug Back (Sand or CIBP): TAG
Perforation Interval (1): NIOBRARA: 6816' - 7030'
Perforation Interval (2): CODELL: 7126' - 7150'
Perforation Interval (3): _____

Tubing: 2 3/8" 4.7# J-55 @ 7107' Rods: _____
Pump: _____
Misc.: _____

PRODUCTION STATUS: 2.3 BOEPD

COMMENTS: Base of Fox Hills @ 313'

PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
- 2) Control well with kill fluid
- 3) POOH w/ 2 3/8" tubing
- 4) RIH w/ Bit & Scraper. Tag fill if any. Clean out to PBSD (tally in). TOOH
- 5) RIH w/RBP. Set RBP @ +/- 6766', spot 2 sx of sand on top of RBP. Test RBP 2,000psi. TOOH
- 6) Bleed off bradenhead, unland casing
- 7) Trip in 1 1/4" tubing down annular w/ mule shoe to +/- 413', condition hole.
- 8) RU cement crew, pump 127 sxs 15.8 ppg "G" neat cement bringing cement to surface
- 9) POOH with 1 1/4" tubing, land casing.
- 10) SI well overnight, run CBL recording new cement depths
- 11) Clean out hole and consult work schedule for direction regarding leaving plug, setting packer, or changing the wellhead