

WORKOVER PROCEDURE

WELL NAME: MCCARTHY FEDERAL 12-12 DATE: 7/15/2014

LOCATION: Qtr/Qtr: SW/NW Section: 12 Township: 4N Range: 66W
Footages: 1980' FNL & 555' FWL

COUNTY: WELD STATE: CO API #: 05-123-14990

ENGINEER: JONATHAN POMERANTZ 7 Day Notice Sent:
(Please notify Engineer of any major changes prior to work) Do not start operations until:
Notice Expires:

OBJECTIVE: P&A

WELL DATA: Surface Csg: 8 5/8" 24# @ 344' KB Elevation: 4725'
Surface Cmt: 280 sx GL Elevation: 4714'
Long St Csg: 4 1/2" 11.6# @ 7315' TD: 7320'
Long St Cmt: 240 sx + 310 sx PBTD: 7269'
Long St Date: 5/3/1991

Plug Back (Sand or CIBP):
Perforation Interval (1): Niobrara Perforations 6880' - 7008'
Perforation Interval (2): Codell Perforations 7192' - 7204'
Perforation Interval (3):
Tubing: 2 3/8" 4.7# J-55 tbg @ 7157' Rods:
Pump:
Misc.: Stage Tool @ 4685'

PRODUCTION STATUS:
COMMENTS:

PROCEDURE:

- 1) MIRU Workover rig, pump & tank.
2) POOH w/ 2 3/8" tbg and lay down.
3) RU WL. RIH w/ CIBP. Set CIBP @ 6830', dump bail 2 sx of cement on top.
4) RIH w/ workstring to 4800'. Pump 125 sx balance plug. SI, WOC. RIH. Tag balance plug @ approx 3200'.
5) RIH w/ workstring to 3000'. Pump 100 sx balance plug. SI, WOC. RIH. Tag balance plug @ approx 1600'.
6) RIH w/ perf gun. Perforate 4 1/2" casing @ 450'.
7) RIH w/ CICR. Set CICR @ 350'. Pump 140 sx through and 30 sx on top. 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.