

Ranger Energy Services
3333 Center Drive
Milliken, CO, 80534
(970) 587-5813 or (970) 587-5824 (Fax)

Job Log

Date: 6/8/2017

Operator: Noble Energy

Well Name: Harvey USX AC #25-12

Legals: NWSW, Section 25, Township 7 North, Range 63 West

API: 05-123-26102

Location: Weld County, Colorado

6/1/2017: MIRU P&A equipment, Unseated pump, shut well in, SDFN

6/2/2017: Hot oil tubing, TOH and LD rods, circulate wellbore clean, shut well in, SDFN

6/5/2017: RU wireline, TIH and perforate tubing at 6,760', TOH, RD wireline, NDWH, NUBOP
TOH and LD BHA, RU wireline, TIH and set 4-1/2" CIBP at 6,430', CDB 2 sxs on top, TOH
Pressure test casing to 1,000 psi., pressure held, TIH and perforate casing at 2,500', TOH, RD wireline
Shut well in, SDFN

6/6/2017: PU 4-1/2" CICR, TIH and set at 2,395', pressure test casing, pressure held, establish IR
Pump 10 bbl. of mud flush, pump 220 sxs of cement, 45 bbl. of slurry, 210 sxs under and 10 sxs on top
(Cased cement from 2,500' - 2,266', annular cement from 2,500' - 1,993')
TOH, RU wireline, TIH and cut casing at 730', TOH, RD wireline
Circulate wellbore clean, RU casing equipment, NDBOP, NDWH, unland casing, NUWH, NUBOP
Shut well in, SDFN

6/7/2017: TOH and LD casing, RD casing equipment, TIH to 793', pump 10 bbl. of mud flush
Pump 160 sxs of cement with 2%KCl, 32.7 bbl. of slurry from 793' to 337', TOH and LD tubing
Shut well in, SDFN

6/8/2017: TIH and tag TOC at 337', pump 107 sxs of cement to surface, TOH and LD tubing
NDBOP, NDWH, shut in well with wellhead, RDMO, P&A complete

* * * All cement is 15,8 # Class "G" neat cement * * *

Cementing Contractor: Ranger Energy Services

Operator Supervisor: Rick Sheets

State Representative: Conor Pesicka

Wireline Contractor: Cased Hole Solutions