

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

**Job Log**

Date: 8/28/2017

Operator: Noble Energy

Well Name: Wells #22-15

Legals: SENW, Section 15, Township 5 North, Range 63 West

API: 05-123-20889

Location: Weld County, Colorado

8/24/2017: MIRU P&A equipment, circulate well, NDWH, NUBOP, TOH with tubing  
RU wireline, TIH and set 4-1/2" CIBP at 6,426', CDB 2 sacks on top, TOC @ 6400' W/KB. TOH  
Load wellbore and pressure test CIBP and casing to 1,000 psi for 15 minutes, pressure held  
TIH and perforate casing at 2,501' – 2,500', TOH, RD wireline, shut well in, SDFN

8/25/2017: RU hydrotester, PU 4-1/2" CICR, TIH and set CICR at 2,390'  
Load and pressure test CICR to 500 psi, pressure held, Pump 10 bbl. of mud flush  
Pump 165 sxs of cement, 155 sxs under and 10 sxs on top, 33.8 bbl. of slurry  
Annular cement from 2,501' – 1,991', cased cement from 2,501' – 2,264', TOH and LD tubing  
Shut well in, SDFN

8/28/2017: RU wireline, TIH and cut casing at 618', TOH, RD wireline  
Circulate wellbore, spear and unland casing, NUWH, NUBOP, TOH and LD casing  
RD casing equipment, TIH to 690', pump 10 bbl. of mud flush, pump 220 sxs of cement to surface  
45 bbl. of slurry from 690' to surface, TOH and LD tubing, shut well in, RDMO, P&A complete

\* \* \* All cement is 15.8 # Class "G" neat cement \* \* \*

Cementing Contractor: Ranger Energy Services

Operator Supervisor: Tyson Hamacher

State Representative: Conor Pesicka

Wireline Contractor: Cased Hole Solutions