

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

**Job Log**

Date: 6/5/2017

Operator: Noble Energy

Well Name: Kessler #19-21

Legals: NENW, Section 19, Township 6 North, Range 66 West

API: 05-123-22379

Location: Weld County, Colorado

5/30/2017: MIRU P&A equipment, killed well, NDWH, NUBOP, shut well in, SDFN  
TOH with tubing, shut well in, SDFN

5/31/2017: RU wireline, PU 4-1/2" CIBP, TIH and set at 6,804', TOH  
TIH and CDB 2 sxs of cement on top, TOH, RD wireline, RU hydro testers, TIH to 4,476'  
Load and circulate wellbore clean, pressure test CIBP to 1000 psi. pressure held  
Pump 50 sxs of cement, 10.24 bbl. of slurry, TOH  
RU wireline, TIH and perforate casing at 2,500', TOH, RD wireline, shut well in, SDFN

6/1/2017: PU 4-1/2" CICR, TIH and set at 2,398', establish injection rate into CICR  
Pump 210 sxs of cement (43.01 bbl. of slurry), 200 sxs under and 10 sxs on top  
TOH, RU wireline, TIH and cut casing at 896', TOH, RD wireline  
Circulate wellbore clean, NDWH, NDBOP, spear casing, unland casing, NUWH, NUBOP  
Shut well in, SDFN

6/2/2017: TOH and LD casing, TIH to 949', pump 10 bbl. of mud flush  
Pump 300 sxs of cement to surface, 61.5 bbl. of slurry from 949' to surface  
TOH and LD tubing, NDBOP, NDWH, shut in well with night cap, SDFN

6/5/2017: TOC at 4', shut well in with night cap, RDMO, P&A complete

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

Cementing Contractor: Ranger Energy Services

Operator Supervisor: Chris Hohnstein

State Representative: Jason Gomez

Wireline Contractor: Cased Hole Solutions