

NOBLE ENERGY INC.
KESSLER 19-21
NENW 19-6N-66W
663 FNL & 2199 FWL
WELD COUNTY, CO
Wattenberg
PROPOSED WELLBORE SCHEMATIC
for P&A
Date: 4/11/17
Drawing not to scale

API: 05-123-22379

GL Elev: 4791'
 KB Elev: 4801'

Spud Date: 12/2/2004

Surface Casing:
 8.625" 24# @ 696' KB
 Cement: 272 sx
 TOC: Surface

Water Well	620	820
FH:	356	556
Sfc Casing	696	896
Min. shoe plug depth:		896

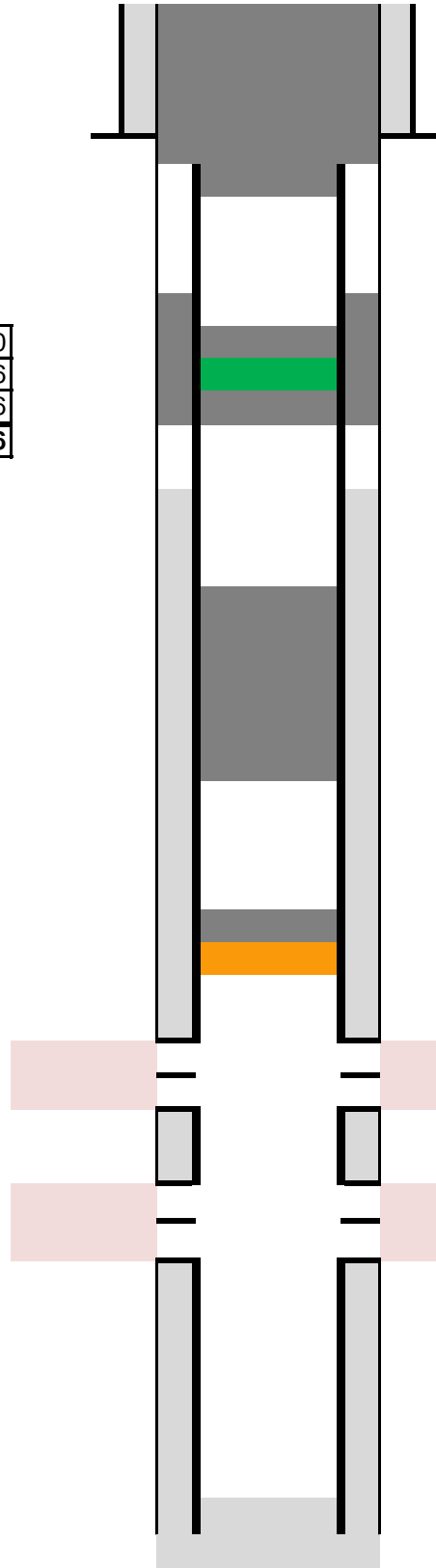
TOC @ 2950

Sussex top: 4076'

Sussex base: 4364'

Nio Log Top: 6841

Production Casing:
 4.5" 11.6# @ 7315' KB
 Cement: 635 sx
 TD: 12/9/2004



Cut surface casing off 6'-8' below surface.

TOC @ Surface

Cut production casing @ 896'
Pump 325 sx cement @ 946' (50' into casing top)

Perforate 2500'
CICR @ 2400'
Pump 210 sx Cement
TOC: 2000' annulus, 2271' in pipe

New TOC: 3870'

Pump 50 sx blanced plug at 4470'

TOC: 6778'
Set CIBP @ 6804' w/ 2sx cement on top

Niobrara Perforations: 6854-7083'

Codell Perforations: 7169-7186'

TD: 7325' KB

LEGEND	
Existing Cement	Grey
New Cement	Dark Grey
CICR	Green
CIBP	Orange
Existing BP	Light Orange
Sand Plug	Tan