

NOBLE ENERGY INC.
TIGGES 30-31
NESW 30-6N-66W
2170 FSL & 2550 FWL
WELD COUNTY, CO
Wattenberg
PROPOSED WELLBORE SCHEMATIC
for P&A
Date: 4/6/2017
Drawing not to scale

API: 05-123-20315

GL Elev: 4734'
KB Elev: 4744'

Spud Date: 3/17/2003

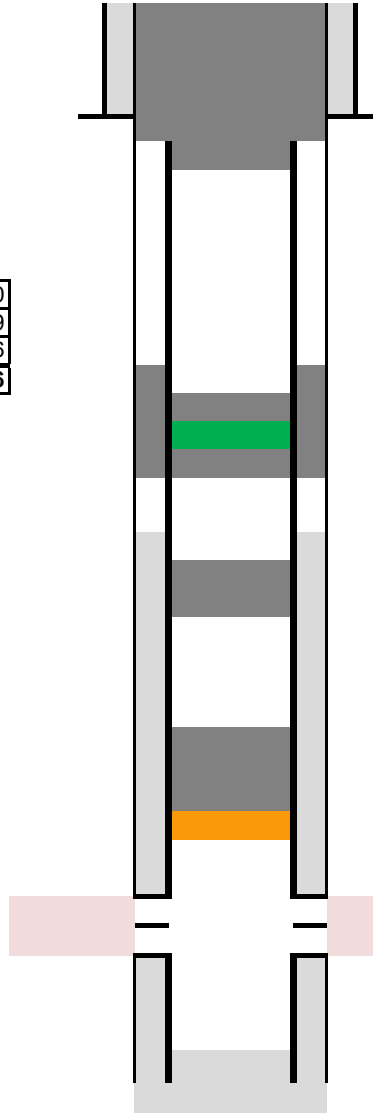
Surface Casing:
8.625" 24# @ 366' KB
Cement: 320 sx
TOC: Surface

Water Well	60	260
FH:	309	509
Sfc Casing	366	566
Min. shoe plug depth:		566

TOC @ 3870'

Nio Log Top: 6752'

Production Casing:
4.5" 11.6# N-80 @ 7288' KB
Cement: 564 sx
TD: 3/22/2003



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

TOC @ Surface
Pump 100sx cement @ 316'

TOC @ 316'
Cut production casing @ 566'
Pump 120sx cement @ 616' (50' into casing top)

Perforate 2500'
CICR @ 2400'
Pump 200sx Cement
TOC: 2000' annulus, 2271' in pipe

TOC @ 3796'
Pump 185sx cement @ 4383'

TOC: 6552'
Set CIBP @ 7015' w/ 145sx cement on top

Codell Perforations: 7065-7082' KB

TD: 7289' KB

LEGEND	
Existing Cement	
New Cement	
CICR	
CIBP	
Existing BP	
Sand Plug	