

**G O Yaemans 1**  
 API 05-121-06991  
 SENW SEC. 15 T2N R52W 6PM

**Existing Completion**

**Elev 4,607'**

**Proposed P&A**

**NOTE:** CICR will be required starting with Plug #2 if casing does not test after Plug #1 is set. If pressure test fails, continue using CICRs until pressure test passes.

**NOTE:** Due to the reported Bradenhead pressure, a stop of 8 hrs after pumping Plug #3 is required to see that no pressure builds, or flow remains on the Bradenhead. Additional squeezes may be required if isolation has not been achieved. Notify ECMC Area Engineer before proceeding.

Shoe at 202'  
 8 5/8" Surface casing  
 12 1/4" hole size  
 190 sacks cement

**Formation Tops (COGCC):**

Formation	Log Top
NIOBRARA	3678
FORT HAYS	4090
CARLILE	4148
GREENHORN	4256
D SAND	4554
J SAND	4644

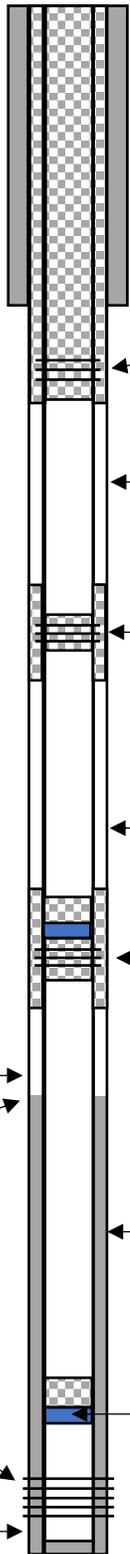
Offset Groundwater Depths (From SEO)	Permit Number
100'	1949
20.5'	297393
100'	310856

\*Offset groundwater depths include all depths reported for groundwater wells within a 1-mile radius and are assumed in feet below ground surface. Data is from the Colorado State Engineer's Office's database

Top of Niobrara 3,678'  
 Est. top of production string cement ~3,917' (Entrada calc)

Completed interval: 4,592' – 4,596'

BOC = 4,675'  
 TD = 4,740' MD  
 4 1/2" Production casing  
 7 7/8" hole size  
 150 sacks of cement



Plug 4: Perfs at 402', cement to surface inside and out. 30 sacks casing plug, 80 sacks annulus. 110 sacks total

Upper Pierre Aquifer Base Est. 1,060'  
 Extrapolated from DWR Xsec E-E', Well E19  
 Picked from SP/R log

Plug 3: Perfs at 1,500'  
 -40 sacks in annulus  
 -8 sacks for casing plug

Casing holes found @ 2,025 – 2,056'  
 Per Form 5A Document Number 400401387

Plug 2: Perfs at 3,550'  
 -40 sx in annulus, 8 sx in casing  
 -CICR at 3,500'  
 -5 sx on top of retainer  
 -if pressure test passes after plug #1, CICR is not required

Casing holes found @ 4,235 – 4,266'  
 Per Form 5A Document Number 400401387

Plug 1: Bridge plug at 4,542' + 25' cement

Indicates estimated hole size

Measured depths displayed, TVD unknown

NOT DRAWN TO SCALE

Proposed Cement  
 Existing Cement



Figure 1

Drafted By: BFB  
 Date: 4/13/24

**G O Yaemans 1**  
**Proposed P&A Wellbore Diagram**  
**Western Operating Company**