

**Before P&A Schematic:**

8 5/8" 24# J-55 Surface  
Set @ 311' MD

Production TOC @ 5,720' MD  
determined by CBL

2 3/8" tubing set @ 6,570'

4 1/2" 11.6# Production  
Set @ 6,702' MD

**Perforation Data**

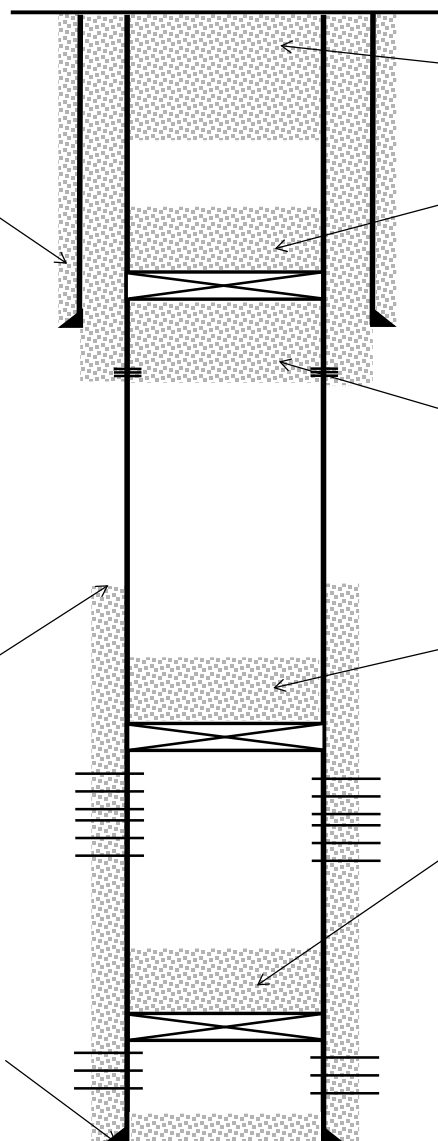
Zone	Top (ft)	Bottom (ft)
Niobrara A	6322	6330
Niobrara B	6404	6415
Niobrara C	6464	6491
Codell	6581	6590

After P&amp;A Schematic:

8 5/8" 24# J-55 Surface  
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Set @ 6,702' MD



Surface Plug  
10 sx, 1.15 Yield, 14.8 ppg cement at  
surface

5 sx, 1.15 Yield, 14.8 ppg cement on  
top of CICR

Perf @ 370'  
CICR Set @ 270'  
Squeeze 80 sx, 1.15 Yield, 14.8 ppg cement behind 4-1/2" csg  
Leave 8 sx, 1.15 Yield, 14.8 ppg cement inside 4-1/2" csg f/  
CICR to perfs

5 sx, 1.15 Yield, 14.8 ppg cement on top of  
CIBP @ 6,275' MD

5 sx, 1.15 Yield, 14.8 ppg cement on top of  
CIBP @ 6,550' MD

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Niobrara B	6404	6415
Niobrara C	6464	6491
Codell	6581	6590