

**WELLBORE DIAGRAM**  
**St. Croix Operating, Inc.**  
**State 3-16**

Current as Plugged

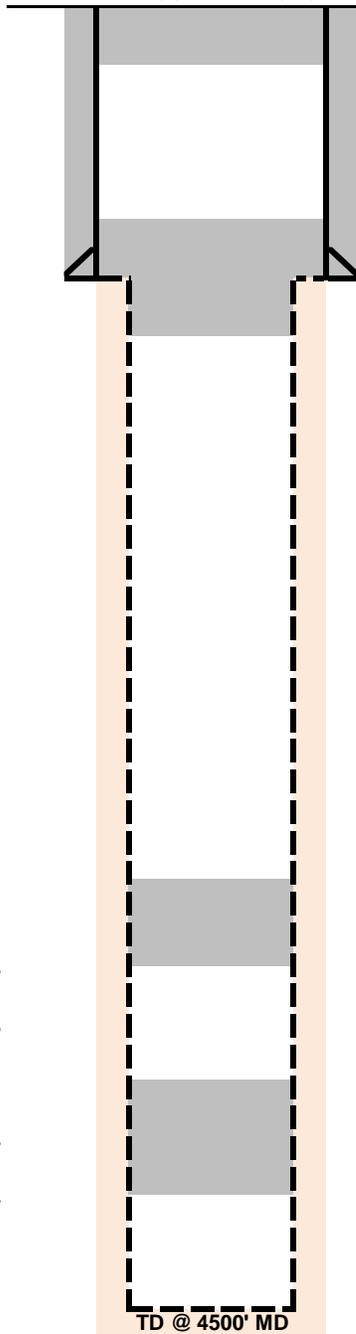
07/30/2018  
 PAG

SHL: 1100' FNL 1700' FWL Sec. 16-T3S-R52W  
 Vertical Well  
 Lat/Long: 39.79648, -103.21272  
 Washington County, CO  
 API 05-121-11073

**NOT TO SCALE**

K.B.= 4,827'  
 G.L.= 4,821'  
 6'

TOPS (MD)



5 sx Class A cement in mousehole, 5 sx in rathole  
 Cut 5' below ground, welded on engraved plate  
 Cement plug @ Surface-56'  
 w/15 sx 14.0 ppg Class A Cement (1.14 yield)

Surface casing cement: Surface-325'  
 250 sx 14.6 ppg (1.24 yield) Class A + adds Cement  
 Cement Returns: 30 bbl good cement back to surface

8-5/8" 24# J-55 set @ 325' (12-1/4" OH)

Cement plug 1/2-in-1/2-out @ 436'-213" (calc)  
 w/50 sx 14.0 ppg Class A Cement (1.14 yield)

OH Cement plug @ 3226'-3404" (calc)  
 w/40 sx 14.0 ppg Class A Cement (1.14 yield)

OH Cement plug @ 4048'-4360' (calc)  
 w/70 sx 14.0 ppg Class A Cement (1.14 yield)

DST @ 4352'-4374'

7-7/8" OH to TD  
 SLB Triple Combo OH Logs ran to TD

Niobrara 3445'  
 Ft Hays 3858'  
 D Sand 4314'  
 J Sand 4370'

TD @ 4500' MD