

WELLBORE DIAGRAM

St. Croix Operating, Inc.

State 3-16

SHL: 1100' FNL 1700' FWL Sec. 16-T3S-R52W

Vertical Well

Lat/Long: 39.79648, -103.21272

Washington County, CO

API 05-121-11073

Current as Plugged

07/30/2018

PAG

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)

Niobrara 3445'

Ft Hays 3,858'

D Sand 4,314'

J Sand 4,370'

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

TD @ 4500' MD