

PROPOSED P&A WELL BORE DIAGRAM

Black Raven Energy, INC.

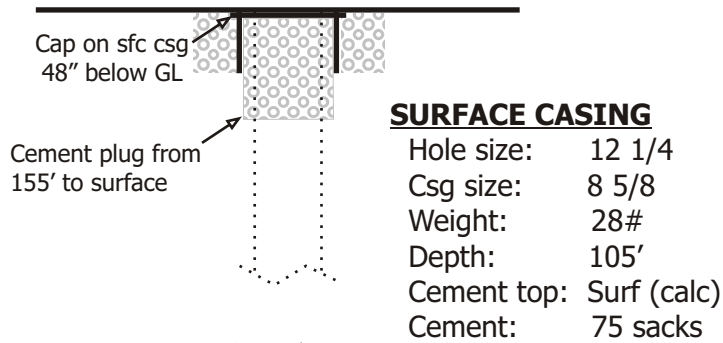
B.F. Crone #4

SWNW Section 13

T1N R58W

2310 FNL x 990 FWL

API No. 05-087-05300



ELEVATION DATA

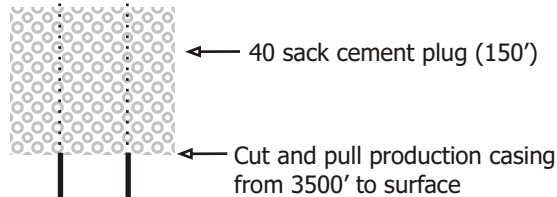
GL: 4573

DF: 4583

KB:

FORMATION TOPS

Carlile	5241
D Sand	5643
J Sand	5708



Top of cement=3869'
(Calculated)

PLANNED PLUGGING OPERATIONS

Set CIBP and 2 sacks cement at 5690'.

Cut and pull 5 1/2" casing from 3500'.

Set 40 sack cement plug (3500-3350').

Set 65 sack cement plug from 155' to 4'.

Cut sfc csg 4' below GL, weld cap on csg.

PRODUCTION CASING

Hole size:	7 7/8
Csg size:	5 1/2
Weight:	15.5#
Depth:	5774'
Cement top:	3869' (calc)
Cement:	275 sacks

PERFORATION HISTORY

Date	Top	Btm	Status
9/15/54	5707	5713	Active
4/12/62	5709	5718	Active

