

CURRENT 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

SURFACE CASING

Hole size: 12 1/4
Csg size: 8 5/8
Weight: 28#
Depth: 105'
Cement top: Surf (calc)
Cement: 75 sacks

ELEVATION DATA

GL: 4573
DF: 4583
KB:

FORMATION TOPS

Carlile 5241
D Sand 5643
J Sand 5708

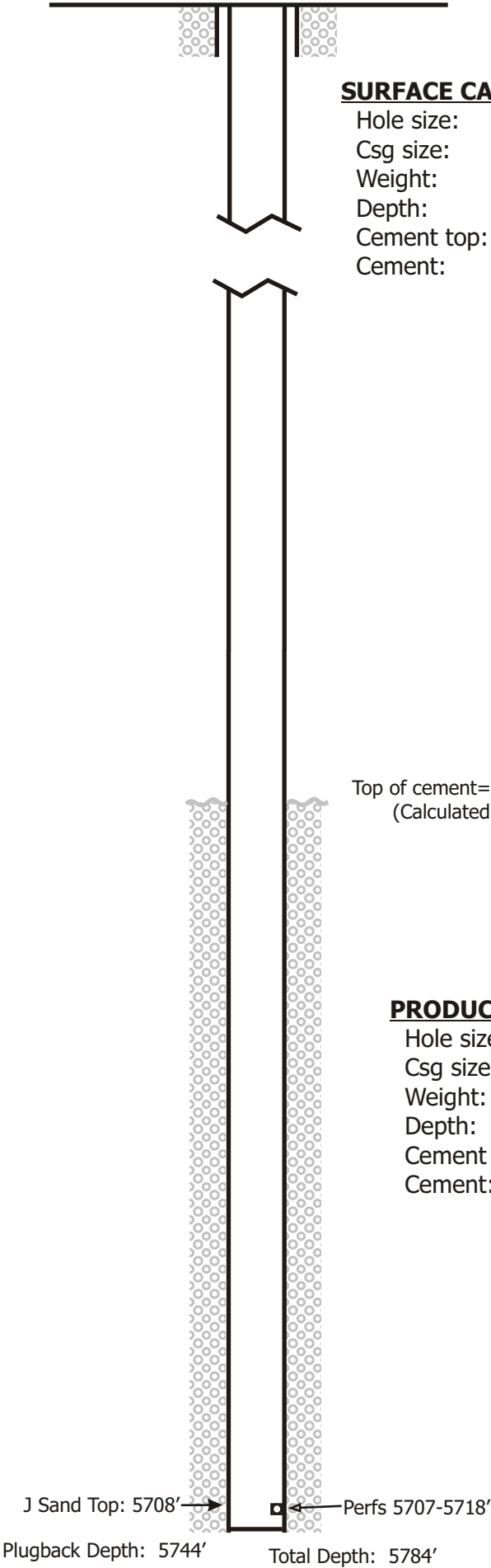
Top of cement=3869'
(Calculated)

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

| <u>Date</u> | <u>Top</u> | <u>Btm</u> | <u>Status</u> |
|-------------|------------|------------|---------------|
| 9/15/54 | 5707 | 5713 | Active |
| 4/12/62 | 5709 | 5718 | Active |



J Sand Top: 5708' → ← Perfs 5707-5718'

Plugback Depth: 5744' Total Depth: 5784'