

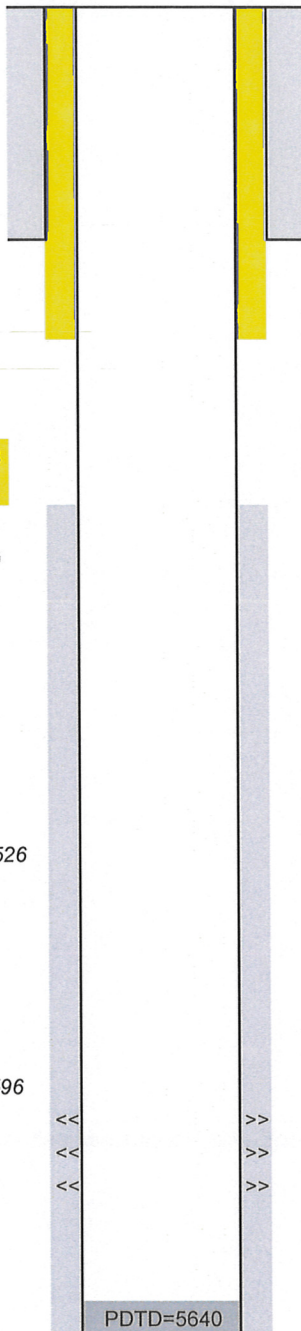
WELLBORE DIAGRAM

Black Raven Energy Inc.
HARRY GEYER A-4

Section 6 Township 1N Range 57W
Footages 4290 FSL, 2258 FWL
County MORGAN, State CO
API 05-087-05462

UPDATE
BRH
2/22/2014

G.L.= 4482
K.B.= 4492
10



8-5/8" 24 # set at 107'
Cmt't w/ 75 sx to Surf.

1" cmt from 258 ft to surface w/40 sk
portland cmt-11 brls top off w/20 gal cmt

10/8/2013 squeeze at 200 ft
w/ 15 sk portland cmt

toc @ 4328
cbl 9-27-13
TOC 4430
TEMP LOG

NIOBRARA 4775
CARLYLE 5122
GREENHORN 5180
D SAND 5526
J SAND 5596

4/22/1954 5625-5635 SQUEEZED
4/29/1954 5595-5609 IP
5/1/1957 5617-5628
6/18/1962 SQUEEZED ALL PERFS
6/18/1962 5617-5624 ACTIVE

D SAND 5526

J SAND 5596

<< >> 5595-5609 SQUEEZED
<< >> 5617-5624 ACTIVE
<< >> 5625-5635 SQUEEZED

PDTD=5640
TD= 5667
5-1/2" 15.5# CSG @ 5665' (7-7/8" O.H.)
Cmt'd w/ 225 sx