

LEASE DESCRIPTION: Stone 843-3-34
LOCATION: 1091' FSL & 1928' FEL, SWSE Section 4-T8N-R43W
COUNTY: Phillips STATE: Colorado API #: 05-095-06414-00

Black Raven Energy
ELEV: 3000' GR
FIELD: AMHERST

2/18/12: MIRU SCHAAL DRILLING CO. PREVIOUS 24 HRS - SPUD SURFACE@5:45 A.M. ON 2/17/12. 9 7/8" HOLE DRILLED 0' TO 481' TD@11:45 A.M. CIRC. TOO H. RAN 11 JTS OF 7", 17# CSG MEAS 463.55'. SET@475.55'. CMT W/103 SKS OF TYPE 1 NEAT CMT. CIRC 8 BBL TO PIT. PLUG DOWN@1:30 P.M. ON 2/17/12. RDMO. SHALE @ 325'

EDC: \$5099

2/23/12: MIRU ADT #144. NIPPLE UP B.O.P. ASSEMBLE BHA. MIX MUD. DRILL OUT CMT PLUG. SPUD @ 10:30 A.M. ON 2/21/12. DRILL FROM 476' TO 2655'. TD @ 2655' @ 6:00 P.M. CIRC. POOH. LAY DOWN BHA. RIG UP PSI. RAN TRIPLE COMBO LOGS. LOGGER TD @ 2658'. TOP 2422'. BTM 2462'. AV. 1.5, MAX 1.5, 38% POROSITY, 22' ZONE. RDMO PSI. TIH TO P&A, RIG UP CMTRS. 1ST PLUG 35 SKS 2375' TO 2175', 2ND PLUG 35 SKS 576' TO 400', 3RD PLUG 10 SKS 50' TO 4'. **RELEASE RIG @ 4:00 A.M.** RDMO RIG # 144.

SURVEYS:

500'--.18
1000'--1.02
1500'--.96
2000'--1.69
2500'--2.10

ECD: \$55,339

SCHAAL DRILLING, CO.
46881 Hwy 24 BURLINGTON, CO. 80807
719-346-8032
FIELD REPORT
SURFACE CASING, DRILLING AND CEMENTING

DRILLING DATE 2-17-12

WELL NAME & LEASE # Stoner 843-4-34

MOVE IN, RIG UP, DIG PITS ETC. DATE 2-16-12 TIME 3:00 AM PM

SPUD TIME 5:45 AM PM SHALE DEPTH 325 TIME 9:00 AM PM

HOLE DIA. 9 7/8 FROM 0 TO 469 +12 481 TD TIME 11:45 AM PM

CIRCULATE, TOO, MEASURED 463.55 FT CASING 475.55 KB FT SET DEPTH

11 JOINTS 7 OD #/FT 17 20 23 16.04 @ Amherst yard

PUMP 103 SAC CEMENT 766 GALLONS DISP. CIRC. 8 BBL TO PIT

PLUG DOWN TIME 1:30 AM PM DATE 2-17-12

CEMENT LEFT IN CSG. 30

CENTRALIZER 3

CENTRALIZER SET@ 1-2 5-6 10-11

TYPE : PORTLAND CEMENT I/II ASTM C 150

CEMENT COST \$ 1641.48

Cement 14.6#s

CR 36 & Hwy 23 E on CR 36 across track NE 1/4

ELEVATION 3673

+12KB 3685

PIPE TALLY

1. 42.15 11. 42.15

2. 42.25 12.

3. 42.25 13.

4. 42.25 14.

5. 42.25 15.

6. 42.25 16.

7. 42.25 17.

8. 41.25 18.

9. 42.25

10. 42.25 Total 463.55