

LEASE DESCRIPTION: Stoner 843-20-44
LOCATION: 690' FSL & 351' FEL, SESE Section 20-T8N-R43W
COUNTY: Phillips STATE: **Colorado** API #: 05-095-06384-00

Black Raven Energy
ELEV: 3681' GR
FIELD: WILDCAT

12/09/11: MIRU SCHAAL DRILLING CO. PREVIOUS 24 HRS - SPUD SURFACE@6:30 A.M. ON 12/08/11. 9 7/8" HOLE DRILLED 0' TO 467' TD@11:00 A.M. CIRC. TOO. RAN 12 JTS OF 7", 17# CSG MEAS 450.00'. SET@462.00'. CMT W/110 SKS OF TYPE 1 NEAT CMT. CIRC 6 BBL TO PIT. PLUG DOWN @ 1:45 P.M. ON 12/08/11. RDMO. SHALE @ 275'

EDC: \$ 4950

12/16/11: MIRU ADT #144. NIPPLE UP B.O.P. ASSEMBLE BHA. MIX MUD. DRILL OUT CMT PLUG. SPUD @ 11:00 A.M. ON 12/15/11. DRILL FROM 472' TO 2665'. TD @ 2665' @ 6:30 P.M. CIRC. POOH. LAY DOWN BHA. RIG UP PSI. RAN TRIPLE COMBO LOGS. LOGGER TD @ 2665'. TOP 2402'. BTM 2440'. AV. 1.5, MAX 2, 35% POROSITY, 12' ZONE. RDMO PSI. TIH TO P&A, RIG UP CMTRS. 1ST PLUG 35 SKS 2350' TO 2150', 2ND PLUG 35 SKS 562' TO 390', 3RD PLUG 10 SKS 50' TO 4'. **RELEASE RIG** @ 3:30 A.M. RDMO RIG # 144.

SURVEYS:

470'--.37
1000'--.45
1500--2.75
2300'--4.66
2500'--.64

ECD: \$56,465