

LEASE DESCRIPTION: State 844-36-41  
LOCATION: 371' FNL & 701' FEL, NENE Section 36-T8N-R44W  
COUNTY: Phillips STATE: **Colorado** API #: 05-095-06382-00

Black Raven Energy  
ELEV: 3691' GR  
FIELD: WILDCAT

**12/02/11:** MIRU SCHAAL DRILLING CO. PREVIOUS 24 HRS - SPUD SURFACE@5:30 A.M. ON 12/01/11. 9 7/8" HOLE DRILLED 0' TO 474' TD@11:45 A.M. CIRC. TOO H. RAN 12 JTS OF 7", 17# CSG MEAS 457.00'. SET@469.00'. CMT W/100 SKS OF TYPE 1 NEAT CMT. CIRC 8 BBL TO PIT. PLUG DOWN@1:30 P.M. ON 12/01/11. RDMO. SHALE @ 215'

EDC: \$5027

**12/03/11:** MIRU ADT #144. NIPPLE UP B.O.P. ASSEMBLE BHA. MIX MUD. DRILL OUT CMT PLUG. SPUD @ 2:30 P.M. ON 12/02/11. DRILL FROM 464' TO 2685'. TD @ 2685' @ 8:30 P.M. CIRC. POOH. LAY DOWN BHA. RIG UP PSI. RAN TRIPLE COMBO LOGS. LOGGER TD @ 2690'. TOP 2400'. BTM 2438'. AV. 1.5, MAX 2, 36% PEROSITY, 32' ZONE. RDMO PSI. TIH TO P&A, RIG UP CMTRS. 1<sup>ST</sup> PLUG 35 SKS 2350' TO 2150', 2<sup>ND</sup> PLUG 35 SKS 570' TO 390', 3<sup>RD</sup> PLUG 10 SKS 50' TO 4'. **RELEASE RIG** @ 12:00 A.M. RDMO RIG # 144.

SURVEYS:

500' - .53  
1000' - .48  
1800' - 2.61  
2100' - 3.21  
2500' - 1.04

ECD: \$56542