

02-23S-23E
SW NW

02-23-23E

FORT SCOTT METHANE PARTNERS, LLC
Geologist Report

Well Name: Russell 2-12
API Number: 15-107-23868-00-00
Field Name: Wildcat
Location: Sec. 2-23S-23E, 2010' FNL, 800' FWL, SW NW 2-23S-23E, Linn
County, Kansas
Total Depth: 810'
Formation at Total Depth: Mississippian
Target Formations: Cherokee Coals
Ground Elevation: 1033'
Spud Date: August 9, 2007
Drilling Contractor: Mokat Drilling Inc.
Type Equipment: Air Rotary Rig
Surface Casing: 21' 8 5/8"
Hole Size: 6 3/4"

8-8-07 Mark Beltz dug pit. DWC=400.

8-9-07 MIRU Mokat Drilling. Set 21' 8 5/8" surface csg, cement w/5 sx Portland cement. SDFN. DWC=800 TWC=1200

8-10-07 Safety meeting. Drilled to T.D. of 810'. RD Mokat. Moved to 5-42, set 21' 8 5/8" surface csg. SDFN DWC=10,000 TWC=11,200

Redbed: 216'-220', shale, red

Mulberry Coal: 306', fair -good show, steady popping common

338', shale, fair oil odor, tite

Anna Shale, 343', shale, black, fair -good gas show, steady popping common

350' picked up moisture

Lexington Coal: 383', fair-good show, steady popping common

Little Osage Shale: 402', fair show, scattered popping

Excello Shale: 415', no show

Squirrel Sand: approx. 457'-462', siltstone, drk gray, fair oil odor

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Bevier Coal: 493', good gas show, fast steady popping

Croweburg Coal: 517', fair-good show, scattered popping

Fleming Coal: 545', fair —good show, steady-fast popping in some samples

Mineral Coal: 572', fair-good show, scattered popping

Cattleman Sand: 584'-596', ss, vfg, med gray, oil sand (good bldg oil), fair porosity

Tebo Coal: 613', good show, steady popping, some fast popping

Weir-Pitt A Coal: 629', good show, some fast popping

Weir-Pitt B Coal: 636' fair-good show

Bluejacket Coal: 676', thin coal, fair-good show, steady popping common

Rowe Coal: 697', good show, some fast popping

Neutral Coal: 717', fair-good show, very light, very shiny and brittle

Riverton Coal: 744', Good show, steady popping

749', ss, lt gray, vfg, heavy oil in sand, med brown

Mississippian: top at 782', 782'-789', shaley lt green limestone, no porosity no show

Mississippian: top at 763', bluish white chert, no show

T.D. 810'; circulated hole clean for 20 minutes

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