

**WILLIAM M. STOUT
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Geologist Report

**Schwatken #1-22
C SE SE Sec. 22-T31S-R14E
Montgomery County, Kansas
API# 15-125-30505**

Operator: The Tress Oil Company #8767

Contractor: Well Refined Drilling Co., Inc (Air Rig) #33072

Commenced: 05-24-04

Completed: 05-25-04

Surface Casing: 8 5/8"

Production Casing: 4 1/2"

Ground Level Elevation: 893'

**Formation Log Tops
(Open Hole)**

Lenapah	720 +173
Altamont	769 +124
Pawnee	909 -16
Lexington Shale	935 -42
Oswego	998 -105
Summit Shale	1026 -133
Mulky Shale	1045 -152
Croweburg	1080 -187
Weir Coal	Absent
Rowe Coal	1372 -479
Riverton Coal	Absent
Mississippian	1426 -533
R.T.D.	1465 -572

05/25/04

1145 - 1147 Coal. Sample was bagged and showed fair expansion.

Test @ 1152' 1" on 3/8" choke. 3.56 mcfg (no increase).

1147 - 1227 Shale - gray, green, sandy, some laminated with gray sandstone, fine grain, argillaceous, some shale, dark gray, black.

1227 - 1340 Shale - dark gray, gray, some laminated as above, trace carbonaceous material.

Test @ 1340' 1" on 3/8" choke. 3.56 mcfg (no increase).

1340 - 1372 Shale - gray, dark gray, green.

Rowe Coal 1372' (-479)

1372 - 1374 Coal.

Test @ 1374' 4" on 3/8" choke. 7.14 mcfg (3.58 mcfg increase).

1374 - 1410 Shale - gray, dark gray, pyrite.

1410 - 1420 Shale - black, dark gray, very calcareous, hard, dense.

1420 - 1426 Shale - dark gray, pyrite.

Mississippian 1426' (-533)

1426 - 1450 Chert - white, light gray, blue, opaque, mostly weathered, scattered black stain, very weak odor.

1450 - 1465 Dolomite - brown, dark brown, fine crystalline, dense, with chert as above, no odor.

Test @ 1465' 7" on 3/8" choke. 9.45 mcfg (2.13 mcfg increase).

R.T.D. 1465 (-572)

Production casing was set to further evaluate the coal gas shows through perforations.

Respectfully Submitted,



William M. Stout

Geologist

05/25/04

Depths

Sample Descriptions

* Note: Microscopic sample examination was not available.

Lenapah 720' (+173)

Altamont 769' (+124)

Pawnee 909' (-16)

Lexington 935' (-42)

935 - 938 Shale -- black, some carbonaceous. Sample was bagged and showed no expansion.

Test @ 939' no blow.

938 - 998 Shale -- gray, green, sandy in part, some calcareous.

Oswego 998' (-105)

998 - 1023 Limestone -- gray, brown, fine crystalline, fossiliferous, dense, no odor.

1023 - 1026 Shale -- dark gray, gray.

Summit Shale 1026' (-133)

1026 - 1031 Shale -- black, some carbonaceous.

Test @ 1029' 1" on 1/8" choke. 1.39 mcfg.

1031 - 1045 Limestone -- brown, gray, fine crystalline, fossiliferous, dense, no odor.

Mulky Shale 1045' (-152)

1045 - 1051 Shale - black, carbonaceous, some pyrite, 1050 - 1051 coal. Sample was bagged and showed fair expansion.

Test @ 1048' 2" on 3/8" choke. 5.05 mcfg (3.66 mcfg increase).

1051 - 1058 Limestone -- brown, fine crystalline, dense, fossiliferous, no odor.

1058 - 1080 Shale -- gray, green, medium gray, sandy.

Bevier Coal 1080' (-187)

1080 - 1082 Coal.

Test @ 1089' 1" on 3/8" choke. 3.56 mcfg (1.49 mcfg decrease).

1082 - 1097 Shale -- dark gray, gray, green, some sandy.

1097 - 1100 Limestone -- brown, dark brown, fine crystalline, fossiliferous, dense, no odor.

Croweburg Shale 1100' (-207)

1100 - 1104 Shale -- black, carbonaceous, 1103-1104 coal.

Test @ 1104 1" on 3/8" choke. 3.56 mcfg (no increase).

1104 - 1145 Shale -- gray, medium gray, sandy, some shells.

Mineral Coal 1145' (-252)