

**WILLIAM M. STOUT  
101 SOUTH STAR STREET  
EL DORADO, KANSAS 66042  
316 321-1270**

Geologist Report

Sherwin A #1  
C NW SW Sec. 16-T31S-R15E  
Montgomery County, Kansas  
API# 15-125-30513

Operator: Jones Gas Corporation #32654

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

Commenced: 05-10-04

Completed: 05-12-04

Surface Casing: 8 5/8"

Production Casing: 4 1/2"

Ground Level Elevation: 1005'

RECEIVED  
JUN 14 2004  
KCC WICHITA

Formation Log Tops  
(Open Hole)

Lenapah	675 +330
Altamont	722 +283
Pawnee	861 +144
Lexington Shale	880 +125
Oswego	938 +67
Summit Shale	966 +39
Mulky Shale	985 +20
Croweburg	1017 -12
Weir Coal	Absent
Rowe Coal	Absent
Riverton Coal	Absent
Mississippian	1384 -379
R.T.D.	1404 -399

05/11/04

Depths

Sample Descriptions

Lexington 880' (+125)

880 - 883 Shale - black, some carbonaceous.

Test @ 885' no blow

Summit Shale 966' (+39)

966 - 970 Shale - black, some carbonaceous, trace coaly.

970 - 985 Limestone - light brown, brown, gray, fine crystalline, fossiliferous, dense, faint odor, trace dark stain, no show free oil, poor porosity.

Test @ 985 no blow

Shut down over night.

05/12/04

Mulky Shale 985' (+20)

985 - 991 Shale - black, some carbonaceous, popping gas, 990 - 991 coal, good popping gas.

Test @ 994' no blow

991 - 995 Shale - gray.

995 - 1000 Limestone - brown, fine crystalline, dense, fossiliferous, no show, no visible porosity.

1000 - 1017 Shale - dark gray, medium gray, abundant pyrite.

Test @ 1004' weak blow TSTM.

Bevier Coal 1017' (-12)

1017 - 1019 Coal - popping gas.

Test @ 1024' weak blow TSTM.

1019 - 1034 Shale - dark gray, gray.

1034 - 1037 Limestone - brown, dark brown, fine crystalline, fossiliferous, dense, no show, no visible porosity.

Croweburg Shale 1037' (-32)

1037 - 1040 Shale - black, carbonaceous, 1039-1040 coal, popping gas.

Test @ 1044 weak blow TSTM.

1040 - 1052 Sandstone - light gray, light green, fine grain, argillaceous, calcareous in part, no show, no visible porosity.

1052 - 1063 Shale - gray, medium gray, sandy, some black.

Mineral Coal 1073' (-68)

1073 - 1075 Coal - good popping gas.

Test @ 1084' weak blow TSTM.

05/12/04

- 1075 - 1085 Shale - gray, with interbedded limestone, light brown, tan, fine crystalline, fossiliferous, dense, no show, no visible porosity.  
1085 - 1108 Sandstone - brown, fine grain, micaceous, calcareous in part, good odor, brown stain, bleeding oil and gas, poor porosity.  
1108 - 1115 Shale - dark gray, black.

Test @ 1104' weak blow TSTM.

- 1115 - 1128 Shale - gray, light gray, sandy, pyrite.  
1128 - 1144 Sandstone - brown, gray, fine grain, argillaceous, fair odor, streaks of dark stain, bleeding oil and gas, interbedded with gray shale.

Test @ 1144' weak blow TSTM.

- 1144 - 1155 Sandstone - brown, gray, fine grain, argillaceous, micaceous, good odor, dark brown stain, bleeding oil and gas, fair porosity.  
1155 - 1208 Shale - gray, with interbedded sandstone as above.  
1208 - 1271 Sandstone - brown, dark brown, fine grain, micaceous, some argillaceous, faint odor, dark stain, show free oil, trace gas bubbles, poor porosity, with shale gray.  
1271 - 1277 Shale - gray, dark gray.  
1277 - 1299 Sandstone - as above, with some show as above.

Test @ 1284' weak blow TSTM.

- 1299 - 1302 Shale - gray, dark gray.  
1302 - 1371 Sandstone - light gray, off white, fine grain, micaceous, scattered carbonaceous material, some pyrite, no show, fair to good porosity, (water).

Test @ 1344' weak blow TSTM.

- 1371 - 1384 Shale - dark gray, pyrite.

Mississippian 1384' (-379)

- 1384 - 1399 Chert - white, light gray, opaque, mostly weathered, scattered brown-black stain, slight show free oil, few gas bubbles, scattered vugular and pin point porosity.

Test @ 1384' 1" on 3/8" choke. 3.56 mcfg.

- 1399 - 1404 Chert - gray, blue, opaque, with limestone, brown, fine crystalline, very dense, no show, no visible porosity.

R.T.D. 1404 (-399)

The decision to run casing to has not been made as of this time.

Respectfully Submitted,



William M. Stout  
Geologist