

15-125-30725

17-31S-15E

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Geologist Report

Sherwin C #2
C SE SE Sec. 17-T31S-R15E
Montgomery County, Kansas
API# 15-125-30725

Operator: Jones Gas Corporation #32654

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

Commenced: 04-26-05

Completed: 04-28-05

Surface Casing: 8 5/8"

Production Casing: 4 1/2"

Ground Level Elevation: 995

Formation Log Tops
(Open Hole)

Lenapah	680 +315
Altamont	723 +272
Pawnee	878 +117
Lexington Shale	896 +99
Oswego	954 +41
Summit Shale	979 +16
Mulky Shale	1001 -6
Croweburg	1055 -60
Weir Coal	1159 -164
Tebo Coal	1238 -243
Rowe Coal	Absemt
Riverton Coal	Absent
Mississippian	1375 -380
R.T.D.	1405 -410

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Depths

Sample Descriptions

Lexington 896' (+99)

Oswego 954' (+41)

954 - 979 Limestone - light brown, brown, fine crystalline, fossiliferous, dense, no show, no visible porosity, some with faint odor, scattered dark stain, no show free oil, trace pin point porosity.

Summit Shale 979' (+16)

979 - 985 Shale - gray, dark gray, black, some carbonaceous, slightly, popping gas.

Test @ 990' no blow.

985 - 1001 Limestone - gray, light brown, fine crystalline, fossiliferous, dense, no show, no visible porosity.

Mulky Shale 1001' (-6)

1001 - 1007 Shale - dark gray, black, some carbonaceous, popping gas.

1007 - 1008 Coal - popping gas.

1008 - 1015 Limestone - light gray, brown, fine crystalline, dense, fossiliferous, no show, no visible porosity.

Test @ 1015' no blow.

1015 - 1035 Shale - gray, dark gray, slightly sandy.

Bevier Coal 1035' (-40)

1035 - 1037 Coal - popping gas.

1037 - 1053 Shale - medium gray, gray.

1053 - 1055 Limestone - dark brown, fine crystalline, fossiliferous, very dense, no show, no visible porosity.

Test @ 1055' no blow.

Croweburg Shale 1055' (-60)

1055 - 1058 Shale - black, some carbonaceous, trace coal, popping gas.

Test @ 1080' no blow.

1058 - 1095 Shale - gray, medium gray, sandy.

Mineral Coal 1095' (-100)

1095 - 1096 Coal - popping gas, pyrite.

Test @ 1105' no blow.

1096 - 1124 Shale - gray, dark gray, sandy.

1124 - 1132 Sandstone - brown, fine grain, micaceous, fair odor, dark brown stain, show free oil, with gas bubbles, poor porosity.

Test @ 1130' no blow.

1132 - 1135 Shale - gray.

1135 - 1140 Shale - black, some carbonaceous, with coal 1139 - 1140, popping gas.

1140 - 1159 Sandstone - light gray, very fine grain, argillaceous, scattered black stain, trace gas bubbles, poor porosity.

Test @ 1155' no blow.

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1159 - 1160 Coal - popping gas.
1160 - 1176 Shale - gray, light gray, some very sandy.
1176 - 1180 Shale - dark gray, black, nearly carbonaceous.

Test @ 1180' 10" on 3/4" choke. 44.8 mcfg.

1180 - 1192 Sandstone - light gray, light brown, fine grain, faint odor, scattered stain, slight show free oil, with gas bubbles, poor porosity.
1192 - 1200 Shale - gray.
1200 - 1201 Coal - very slightly popping gas.

Test @ 1205' 14" on 1 1/4" choke. 164 mcfg (119.2 mcfg increase).

Test @ 1130' 2" on 1 1/4" choke. 62 mcfg .

1201 - 1209 Shale - dark gray, sandy.
1209 - 1210 Coal - popping gas.
1210 - 1222 Sandstone - gray, light gray, fine grain, argillaceous, trace gas bubbles.
1222 - 1238 Shale - gray, sandy.

Test @ 1230' 16" on 1 1/4" choke. 176 mcfg (12 mcfg increase).

1238 - 1240 Coal - popping gas.

Test @ 1255' 6" on 1 1/2" choke. 170 mcfg (6 mcfg decrease).

1240 - 1375 Shale - gray, laminated with sandstone, light gray, fine grain, argillaceous, carbonaceous material, no show.

Mississippian 1375' (-380)

1375 - 1385 Chert - white, gray, opaque, scattered black stain, no other shows.

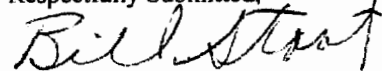
Test @ 1380' 4" on 1 1/2" choke. 139 mcfg. (31 mcfg decrease).

1385 - 1405 Dolomite - brown, fine crystalline, dense, cherty, no show, no visible porosity, with chert, as above.

T.D. 1405 (-410)

The decision was made to run casing to further evaluate the gas shows.

Respectfully Submitted,



William M. Stout
Geologist

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