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M-26-23E

Sub  
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SAMPLE EXAMINATION

Service Well Drig Sr 1800 4<sup>th</sup> Nat'l BK 15<sup>th</sup> St  
Chambers # 1 19-26-23E  
Bourbon County, Kans.

State Geological Survey  
WICHITA BRANCH  
15-001-  
20,561

C SE SE

GAS TEST

1/2" orifice 8 # PSI 101 mcf  
 Spud date Sept 1979

602 - 605 As above (trace of dull fluorescence)

605 - 610 Chert, gray, blue-gray, white, some calcareous Dolomite, trace dull fluorescence, trace of heavy oil, and stains in the sample. Black carbonaceous particles in the weathered chert and on some of the rest of the chert

610 - 615 As above

MISSISSIPPI LIMESTONE 615'

615 - 620 Limestone, tan-white, crystalline, fine, coarse, low porosity, trace of fluorescence, trace of heavy oil, some trace of dead oil.

GAS TEST

(Tester left overnight)

	1/2" orifice	9 # PSI	108 mcf
	Oswego	Tucker	Chert
Hartman (942)	156 + 736	472 + 470	568-374
Chambers (945)	170 + 775	500 + 445	590 + 355

GAS TEST

(Tester left overnight)

	1/2" orifice	5 # PSI	73 mcf
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Driller reports water on tools left at 200 feet.

JAY ROBERTSON  
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NOWATA, OKLAHOMA

RECEIVED  
STATE CORPORATION COMMISSION

JUN 08 1983

CONSERVATION DIVISION  
Wichita, Kansas

19-26-23E

P 1

State Geological Survey  
WICHITA BRANCH

CHAMBERS # 1, SE SE  
Section 19, T 26 S, R 23E  
Bourbon County, Kans.

SAMPLE EXAMINATION

Operator: Service Drilling Co.  
Drilling Contractor: Schnell Well Drilling Co. with a twin Schram  
rotary air hammer unit.  
Elevation: 945'  
Surface Casing: 65' of 7" casing cemented to surface with 10 sacks  
cement.  
Date of sample examination at well site: Sept. 17, 1979

150 - 160 Shale, light gray, soft, sandy

160 - 170 Shale, gray

OSIEGO LIMESTONE 170'

170 - 180 Limestone, tan-gray, tan, finely crystalline, tight

180 - 190 Limestone, gray-tan, some crystalline structure appears  
massive, dense, fluorescence appears in 10% of samples

190 - 200 Shale, gray to light gray

SQUIRREL SANDSTONE 200'

200 - 205 Sandstone, gray, very fine-grained. Appears tight, silty,  
fluorescence medium to fairly even in 75 to 90% of sample

205 - 210 As above (driller reports oil and gas in pit)

210 - 215 Sandstone, fine-grained, gray, very silty, tight. Negligible  
fluorescence

215 - 220 Sandstone fine, silty, few calcareous laminations, staining,  
bleeding gas with trace of oil, very slightly calcareous  
medium bright fluorescence uneven 90%

220 - 225 As above

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19-26-23E

P7

SAMPLE EXAMINATION

State Geological Survey  
WICHITA BRANCH

Chambers # 1 19-26-23E  
Bourbon County, Kans.

- 225 - 230 Sandstone, fine, slightly stained, odor appears, light, some permeability, bleeding oil and gas, fluorescence dull, fairly even 90%
- 230 - 235 Sandstone as above, silty, tight, very slightly calcareous
- 235 - 275 Shale, gray
- 285 - 290 Shale, light gray, soft mudstone
- 290 - 320 Shale, gray-black
- 320 - 330 Shale, light gray, slightly sandy
- 330 - 340 Coal and shale, dark gray
- 340 - 390 Shale, gray, sandy
- 390 - 400 Shale, light gray, sandy, some light brown nodules
- 400 - 410 Shale, light gray to gray
- 410 - 420 Shale, gray, some black
- 420 - 430 Shale, gray
- 430 - 440 Shale, gray
- 440 - 445 Limestone, brown, tan, sandy, dense and light sandy shale
- 445 - 450 Shale, gray, sandy
- 450 - 460 Shale, gray, sandy
- 460 - 465 As above
- 465 - 470 Shale as above with streaks of sandstone, fine and silty
- 470 - 500 Shale, dark gray and black
- 500 - 505 Sandstone, fine to medium, silty, micaceous, upper and lower no fluorescence
- 505 - 510 Sandstone, light gray, fine, silty, tight, a few pieces with dull fluorescence

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19-2' 23E P1

SAMPLE EXAMINATION

State Geological Survey  
WICHITA BRANCH

Chambers # 1 19-26-23E  
Bourbon County, Kans.

- 510 - 515 As above. Numerous thin shale laminations, sandstone tight, no fluorescence.
- 515 - 520 As above
- 520 - 525 As above
- 525 - 530 Shale, light gray, coal, shale, black
- 530 - 535 Shale, black, little coal
- 535 - 575 Shale, black, occasionally sandy
- 575 - 580 Shale, black and siltstone, light gray

GAS TEST

30 min.	3/4" orifice	32# PSI	65,000 cf
20 min.	1/2" orifice	6 1/2 PSI	90,000 cf

580 - 585 Siltstone and shale, light gray, sandy to gray shale, no fluorescence

BURGESS 585'

585 - 590 Sandstone, gray, irregular chert, silicious material, few pieces good, bright fluorescence, some stain and odor

MISSISSIPPI CHAT 590'

590 - 595 Gray-white, silty, tight, irregular, fine, white-gray, no calcareous material, fluorescence 5% medium bright

GAS TEST

20 min.	1/2" orifice	7 1/2 - 8 PSI	101 mcf
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MISSISSIPPI LIMESTONE 595'

595 - 600 Chert, blue, white-tan, very finely crystalline Dolomite 5%, odor and fluorescence uneven on 50% medium bright

600 - 602 Chert, 75%, bluish-white to whitish-gray, medium Dolomite, bleeding gas and some spotty, heavy oil. Increased porosity fluorescence dull, uneven 50%

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