

23-12-21W

ORIGINAL

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CONFIDENTIAL

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GEOLOGIC REPORT

15-195-22181

Taurus Oil Company
#1-21 Baugher "A"
40'W NE NE NW Section 23-12S-21W
Trego County, Kansas

KOD

DEC 14

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API #15-195-221810000
Commenced: 10-10-96
Completed: 10-18-96

Elevation: 2309' GD.
2315' DF.
2317' KB.

Casing Record:

8 5/8", 28#, ● 212' w/140 sx.
5 1/2", 17#, ● 4155' w/250 sx.

RTD: 4170'
LTD: 4150'
PBD: 4150'

FORMATION TOPS

	<u>Samples</u>	<u>Log</u>
Anhydrite	1715' +602	1714' +603
Topeka	3351' (-1034)	3351' (-1034)
Heebner	3571' (-1254)	3570' (-1253)
Toronto	3395' (-1278)	3593' (-1276)
Lansing	3607' (-1290)	3607' (-1290)
B/KC	3844' (-1527)	3845' (-1528)
Conglomerate	3905' (-1588)	3907' (-1590)
Marmaton	3866' (-1549)	3864' (-1547)
Arbuckle	3969' (-1652)	3968' (-1651)
LTD	4150' (-1833)	4150' (-1833)
Total Depth	4170' (-1853)	4170' (-1853)

Cores: None.

Electric Logs: Log-Tech, GR/N and Sonic Cement Bond logs.

Drill Stem Tests: #1. 3563-3675

Open 60"
Recovered 378' slightly gassy oil speced mud.
20" IHHP 782#
30" FHHP 580#

Release
DEC 08 2003
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#2. 3724-3844

Open 60"

Recovered 50' OSM

20" IBHP 1221#

30" FBHP 1080#

#3. 3964-3990, MISRUN

#4. 3914-3990

Open 45"

Recovered 495' GIP, 465' oil, 568' SMGO, 62' HOCM.

20" IBHP 1134#

30" FBHP 929#

#5. 3990-4017

Open 45"

Recovered 196' oil, 62' HOCM, 176' GIP.

20" IBHP 1200#

30" FBHP 1056#

SHOWS OF OIL

Topeka 3351-3570:

3378-3384: Limestone, white, fine crystalline, fair pinpoint and intercrystalline porosity, scattered medium brown uniform stain. PERFORATE BEFORE ABANDONMENT.

Toronto 3593-3602: No shows.

Lansing-Kansas City 3607-3845:

3609-3614: A few very thin streaks of limestone, buff, hard, dense, occasional piece with very poor visible porosity and light spotted stain.

3647-3652: Limestone, white to tan, fine crystalline with scattered medium crystalline, poor to fair intercrystalline porosity, medium brown spotted and uniform stain. PERFORATE BEFORE ABANDONMENT.

3685-3687: Limestone, white to buff, traces of medium brown spotted stain, rare poor intercrystalline porosity.

3750-3752: Thin streak of limestone, buff, fine crystalline, poor pinpoint porosity, medium brown uniform stain.

3765-3770: Limestone, white, fine to medium crystalline, fossiliferous in part, medium to dark brown spotted stain, poor to fair pinpoint and intercrystalline porosity.

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3784-3790: Several very thin streaks of limestone, white, dense to fine crystalline, rare intercrystalline porosity with medium brown spotted stain.

3799-3805: Limestone, light grey, fine crystalline to slightly oolitic, scattered medium to dark brown spotted stain, minor fair pinpoint porosity and a trace of vugular porosity.

3832-3840: Limestone, white to grey, fossiliferous, fine crystalline, medium brown uniform stain, some dark brown spotted stain, poor to fair pinpoint porosity, ample vugular porosity. PERFORATE BEFORE ABANDONMENT.

Marmaton 3864-3902: No shows.

Conglomerate 3907-3968: No shows.

Arbuckle: 3968-4170(TD):

3968-3996: Dolomite, white to buff, medium to coarse crystalline, minor dense dolomite, very good medium to dark brown saturation, excellent intercrystalline and vugular porosity.

3999-4016: Thick streaks of dolomite, coarse crystalline, oolitic in part very good intercrystalline and vugular porosity, good saturation.

4017-4030: Dolomite, white to buff, several thin streaks of dense dolomite, mostly coarse crystalline to oolitic to pelletoid (appearance of fish eggs), very good intercrystalline, vugular and interoolitic porosity, good saturation.

4034-4039: As above, slightly less stain, oil productive with some water.

4044-4056: Dolomite, medium with some coarse crystalline, good intercrystalline porosity, fair medium brown spotted stain to saturation. Possibly some oil production with large amount of water.