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PETROLEUM GEOLOGIST

MEMBER AAPG

RUSSELL, KANSAS 67665



GEOLOGICAL REPORT

FOR

SCHECK OIL OPERATIONS, INC.

Lc. No. 9292

**225 North Main St.
Russell, Kansas 67665**

Weigel No. 1-8 API No. 015-25786-0000

**1950' From North Line &
920 From East Line**

Section 8, T 13 S, R 16 W

Ellis County, Kansas

15-051-25786-0000

NW SE NE

June 30, 2008

RECEIVED

SEP 16 2009

KCC WICHITA

8-13-16W

SCHECK OIL OPERATIONS, INC.

225 North Main St.
Russell, Kansas 67665

GEOLOGICAL REPORT:

Weigel No. 1-8
1950' FNL & 920' FEL
Sec. 8, T 13 S, R 16 W
Ellis County, Kansas

CONTRACTOR:

Warren Energy, LLC.
Lic. No. 33724
7570 W 21 st. N. Bldg. 1050
Wichita, Kansas 67205

DRILLING COMMENCED:

June 21, 2008

DRILLING COMPLETED:

June 27, 2008

CASING RECORD:

8 5/8" surface casing set at
264' and cemented with 160 sx.

4 1/2" production casing set at
3522' and cemented with 175 sx.
Port Collar @ 1104'

DRILLING TIME:

Recorded and plotted from 2850' to
3523', RTD. A copy of the plotted
drilling time/lithology log is in-
cluded with this report.

SAMPLES:

Saved and examined from 2850' to
3523', RTD. Zones of interest are
described in this report.

DRILLSTEM TESTS:

2 by Trilobite Testing, Inc. of
Hays, Kansas.

ELECTRIC LOGS:

By Log-Tech of Hays, Kansas.
Radiation-Guard-Caliper &
Microresistivity.

ELEVATIONS:

Kelly Bushing: 1969'
Ground Level: 1961'
Measurements From: K. B.

WELL STATUS:

Production casing set for com-
pletion as a producing well.

FORMATIONS:	ROTARY DEPTHS:	E. LOG DEPTHS:	E. LOG DATUMS:
Anhydrite	1114-47	1112-46	+ 857
Topeka Lime	2914	2912	- 943
Heebner Shale	3163	3160	-1191
Toronto Lime	3185	3180	-1211
Lansing-Kansas City	3213	3210	-1241
Base of Kansas City	3442	3440	-1471
Weathered Arbuckle	3463	3463	-1494
Clean Arbuckle	3483	3484	-1515
Total Depth:	3523	3523	-1554

LITHOLOGY: ZONES OF INTEREST & TEST DATA:

Topeka: No zones of oil stain were noted.
ALL ZONES CORRECTED TO E. LOG DEPTHS:

TORONTO LIME: 3180-3190: LS-very white, fine crystalline and dense with minor trace of brown oil stain. No free oil or odor. Log porosity indicated 3180-83.

LANSING-KANSAS CITY:

3210-3224: LS-white, dense to slight fossil porosity with rare dark oil stain. No free oil or odor. Log shows slight porosity 3210-14.

3236-3250: LS-white, dense crystalline with slight crystalline porosity. B zone Rare light and dark oil stain. No free oil or odor. This zone indicates porosity from 3236-41.

3252-3260: LS-white, dense crystalline and partly oolitic and oolitic and barren oolitic porosity. Rare oil stain, no free oil or odor. Porosity indicated 3256-3260. Water bearing? C zone

3290-3300: LS-white, dense and dense oolitic lime with trace of oil stain. F zone No free oil or odor.

3341-3350: LS-white, very dense and trace of white chert and trace of dense oolitic lime. Trace of oil stain. No free oil or odor. H zone

3364-3378: LS-white, dense to fair fossil porosity and some white vitreous chert. Spotty light oil stain, with questionable faint oil odor but no free oil. Log indicates good breaks of porosity 3368-3376. I zone tested by drillstem test no. 1. I zone

cont. next page

Lithology & Test Data, cont...

3384-3400: LS-white, fine crystalline, dense and some pin hole and fossil
J zone porosity. Some oolitic lime. Spotty oil stain and question-
able faint odor. No free oil. Tested by drillstem test no. 1.

DRILLSTEM, TEST No. 1: 3357 to 3401: (I and J zones)

Tool open: 30 minutes with weak to fair blow 4" deep in bucket.
Tool shut in: 45 minutes.
Tool opened: 45 minutes with good blow. off bottom of bucket 27 min.
Tool shut in: 45 minutes.

Recovery: 175 ft. of gas in pipe
40' of gassy oil cut mud.
20% gas, 15% oil & 65% mud

Initial flow pressure: 19 to 21 psi
Initial BH pressure: 556 psi
Final Flow pressure: 21-29 psi
Final BH pressure: 537 psi

3412-3428: LS-white, dense with trace of fossil porosity. Minor trace of
K zone oil stain. No free oil or odor. Slight porosity indicated
3414-16.

3430-3440: LS-white, buff, brown and dense with no oil stain noted.
L zone

Samples circulated at 3461-Abundant shales-gray, brown and bright green
with white, buff, dense lime.

Samples circulated at 3464-Ls, white, buff, dense with trace of buff, fine
dense and sucrosic dolomite. (Top of weathered Arbuckle)

Samples circulated at 3468-Dol, white, buff, pink, very fine crystalline
and sucrosic, dense with rare oil stain-saturation, but no
free oil or odor.

Samples circulated at 3473-Dol, as above with dark and dead appearing oil
stain-saturation. Poor visible porosity.

DRILLSTEM TEST No. 2: 3440 to 3473: (upper Arbuckle (weathered?)).

Tool open 30 min with surface blow. Dead in 11 minutes.
Tool shut in 45 min. Tool open 15 min. final flow. No blow.

Recovery: 1' of drilling mud with oil spots.

Initial flow pressure: 15 to 15 psi
Initial BH pressure: 31 psi
Final flow pressure: 16 to 16 psi
Final BH pressure: not taken

LITHOLOGY: ZONES OF INTEREST:

From depth of 3473 to 3484: A hodgepodge of material. Abundant shales-red, black, bright green with abundant pyrite. Some brick red chert, some white, dense lime and some fine crystalline dolomite with some oil stain-saturation. Poor porosity and no free oil or odor.

From 3484 to TD (3523') Dol-white, buff, brown, fine crystalline, dense to slight porous with scattered dark and dead oil stain-saturation. No odor, but very slight show of free oil. No value.

From samples and E. log characteristics it was determined that the upper Arbuckle from 3464 to 3484 was badly weathered and was not an oil reservoir (indicated by drillstem results). The Arbuckle from 3484 to 3523, total depth, was clean Arbuckle but was determined to be too low, structurally, to be productive.

REMARKS & RECOMMENDATIONS:

From E. log measurements, the top of the Lansing ran flat with Yost #1 (-1241), the producing well to the north. The Yost #1 is producing from the I and J zones of the LKC. The Arbuckle is also capable of good oil production, although possibly high water cut, but is not now producing.

During the drilling of the Weigel #1, several zones of minor oil stain were noted but only the I and J zones of the LKC appeared to be worthy of testing. The drillstem test indicated probable oil production. From E. log values it was also considered that the B zone of the LKC might be oil productive. So, I recommend that the following porosity zones be perforated and acidized:

J zone:	3388-3392
I zone:	3372-3376 3368-3370
B zone:	3236-3238

Respectfully submitted;

Francis C. Whisler
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Geologist