

15-081-25700-0000

Wellsite Geology Report

Cla-Mar Oil Company
#1 Price/Insley
1030' fsl x 400' fwl (approx NW SW SW)
Section 11 T. 13 S., R. 19 W.
Ellis County, Kansas

November 7, 2007
Neal La Fon, Geologist

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WELL INFORMATION

Operator: Cla-Mar Oil Company
Well: #1 Price/Insley
Location: 1030' fsl x 2075' 400fwl (NW SW SW)
Section 11, T. 13 S., R. 19 W.
Ellis County, Kansas
Elevations: G.L. 2089
K.B. 2094
Spudded: October 29, 2007
Completed drilling: November 4, 2007
Surface casing: 6 jts, 8 5/8 set to 213' K.B.
Logs: Log Tech FDC/CNL, Dual Induction Laterolog,
Microlog
Total Depth: Driller 3777
Logger 3779
Drill stems tests: Topeka-Toronto, Kansas City A-D
Results: Ran 5 1/2 csg to further evaluate.
Contractor: Royal Drilling Rig 1
Geologist: Neal La Fon

FORMATION TOPS

Anhydrite	1407	+ 687
Howard Limestone	3032	- 938
Topeka	3086	- 992
Heebner	3343	- 1249
Toronto	3362	- 1268
Kansas City	3386	- 1292
Marmaton	3654	- 1560
Arbuckle	3686	- 1592

Sample Descriptions Lagged

Geologist on location and samples examined from 3000' to TD
1 foot drilling time kept

Howard	3032-3044	Ls, gray, med xtln, hard, tt, no show.
Topeka	3086-3098	Ls, buff, vf xtln, hard, tt, no porosity, some dard gray ls, dirty, fossil, hard, tite, no show.
	3103-3110	Ls, buff, vf xtln, some soft, some hard, no show.
	3110-3120	some Ls,, gray, micro xtln, hard, tite, some Ls as above, no show.
	3130-3150	Ls, lt gray-buff, micro xtln, hard, tite

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no show

3160-3195 Ls, dark gray, argilaceous, micro xtln, hard, tite, no show.

3195-3210 Ls, buff, coarse xtln, fossil/shale clasts, hard, cemented, tite, no show.

tr Ls, finely xtln, sucrosic, soft porous, tr w/ dead bitumen.

3210-3295 Ls, gray, micro xtln, hard, tite, no show

3305-3315 Ls, wt, chalky, soft, some ls, wt, finely xtln, soft and friable, some with stn and live oil, fair cut. Fair show of oil.

3315-3342 Ls, wt, microxtln, hard, tite, no show.

Toronto 3362-3374 Ls, buff, f xtln, sucrosic, exc intergranular porosity, w sl live spotty oil stn, fair show free oil.

3374-3380 Ls, buff, micro xtln, hard, tite, no show.

Kansas City A 3386-3390 Ls. wt, micro xtln, tr vug porosity, with live oil stn, one fracture with oil stn, good show free oil.

3394-3398 Ls. wt, micro xtln, hard, tite, no porosity, no show.

B 3401-3407 Ls, wt micro xtln, hard, tite, one grn with gd pinpoint and larger vug porosity, good show free oil.

C 3414-3432 Ls. brown, ooclastic porosity, exc show free oil, exc odor, trace larger vugular porosity, abundant pinpoint vug porosity, all with excellent show of free oil.

D 3433-3440 Ls, brown, pinpoint vug porosity and intergranular and moldic porosity, exc show free oil, trace of ooclastic (cavings from C zone ?)

F 3458-3462 Ls, wt, med-coarse xtln, tr

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ooclastic, large vug/moldic porosity,
sl stn, vf pinpoint and intergranular
porosity, with good show free oil,
good-exc porosity

3462-3474 Ls, brown, finely xtln, granular,
mainly pinpoint intergranular porosity
(tr with pinpt vug por), fair show
free oil.

G 3476-3488 Ls, wt, coarse fossiliferous , exc
moldic/vug porosity, lots of pinpoint
intergranular porosity, good show
free oil, also some ooclastic
porosity with good show free oil.

G' 3500-3511 Ls, a/a ooclastic porosity in part,
some pin point vug porosity, good
show free oil.

some Ls, gray, micro xtln, hard, tite
no show.

H 3520-3537 Ls,gray, micro xtln, hard, some
ls, wt, chalky, soft, trace micro
xtln with large moldic fossiliferous
porosity and pinpoint vug porosity
with light stn, good show free oil.

I 3546-3560 Ls, wt, chalky, soft, no show.
Ls, gray, micro xtln, hard, tite, no
show.

J 3560-3578 Ls, gray, microxtln, hard, tite.
couple pieces of microxtln ls with
small vugs, fair stn but no free oil.

K 3580-3596 Ls, wt, fine xtln, pinpoint vug
porosity, some with live oil to larger
vug porosity with drizzly calcite
lined, good stn, most with no free
oil, one piece with fair show free oil
when crushed.

K 3596-3612 Ls, lt gray, micro xtln, hard, tite
couple pieces w/ vug and moldic
porosity with mainly dead oil stn.

L 3612-3634 Ls, dark gray, "dirty", micro xtln,
with vug porosity, good show free oil
in overall tight rock-questionable
perm.

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Marmaton? 3650-3660 Ls, wt, micro xtln, some fossils, finely
xtln, gd stn, pinpoint vug porosity with
good show free oil, sl friable, good
porosity, show of oil.

3660-3684 (caught from 3670-3730)

Chert, purple shale
Ls, wt, micro xtln to finely xtln, hard,
tite, no show.

Arbuckle 3682-3700 (caught from 3730-3740)

Chert, red purple shale,

trace Dolomite, wt-clear, coarse xtln,
exc intergranular porosity, all with exc
show free oil. (poor samples)

3700-3738 (caught from 3740-3750)

Mostly orange, red, brown chert

more Dolomite than above sample, wt, med
xtln, exc intergranular porosity, exc
show free oil, hard, not friable but vis
porosity.

3739-3747 (caught from 3750-3760)

Chert, more Dolomite, wt, very fine
xtln, granular, no show.

3747-3755 (caught from 3760-3770)

Chert, some Dolomite, wt, fine xtln,
sucrosic, no show.

DEVIATIONS

213 1/4o 3370 1 1/2

DRILL STEM TEST

Dst 1- 3292-3370 T opeka and Toronto
Op 5 SI 30 OP 60 SI 60

Rec 30' Mud with oil specks

FP 15-17 18-29
SIP 99-104

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Dst 2- 3380-3455 Kansas City A-D
Op 5 SI 45 OP 60 SI 60

Rec 200' GIP 191' total fluid recovery

5' MO (90% oil, 10% mud)
62' HOCM (28% oil, 3% water, 70% mud)
62' OCM (17% oil, 3% water, 80% mud)
62' SOWCM (5% oil, 45% water 50% mud)

FP 19-34 39-101
SIP 793-741

COMMENTS

This well ran about 5 feet high to the two dry offsets to the east. Good to excellent shows were seen in many zones of the Kansas City, the best show from the C zone. Other excellent shows were seen in the F and G zones. The log shows scattered porosity and microlog separation over many of the zones. The microlog reveals many of these zones to be anywhere from 6" to 2-3 feet in thickness. The CNL-FDC porosity tool is probably incapable of getting a true reading from the thinner zones as the samples did have a surprising number of good shows in what looked like good reservoir rock, from these apparently thin beds. It is my recommendation that many of these zones should be perfed and tested as they should give up a fair amount of oil with a little stimulation.

The upper Arbuckle drilled extremely fast- from 1/4 to 1/2 minutes per foot and good representative samples could not be caught over much of the interval due to the speed of drilling. Sample quality was very poor over the top of the Arbuckle interval although dolomite with excellent shows was seen which lagged back to the upper part of the Arbuckle. With the Arbuckle at -1592 it is likely that it is productive as it is in fields to the east at a slightly lower subsea.

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303-663-9360 fax

November 7, 2007

Mr. Jim Clark
Cla-Mar Oil Co.
PO Box 1197
Hays, KS 67601

Dear Jim:

Here are my recommended perfs based on looking at the
microlog and sample shows.

Toronto 3364-3366
KC C 3416-3422
D 3435-3439
D' 3449-3451
F 3466-3469
3471, 3478
G 3480-3488 possibly wet
G' 3500-3506 possibly wet
H 3527-3530
K 3581, 3586, 3589
L 3616-3621 possibly wet- shaleyeness of ls might be
pulling resistivity down
3626, 3631

Arbuckle 3786-3710

Would start at Arbuckle first and see what that brings.

Sincerely,


Neal LaFon

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