JERRY GORDY

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HAYS, KANSAS 67601

March 8, 1982

GEOLOGIC REPORT

Lucky Lady Oil Co. Lucky Lady #1
500' FSL 1780' FEL NW/4 Sec. 30-11-19
Ellis County, Kansas
Commenced: 2/24/82
Completed: 3/6/82

Pipe Record:
8 5/8 @ 350' w/165 sks
4½ @ 3725' w/925 sks
Anhydrite: 1456-97
Drilled by: Circle M Drlg
Rig #2

ELEVATION 3087 K.B.
3082 G.L. 3085 D.F.

FORMATION DATA
(Corrected to R.A. Log)

FORMATION	MINUS DATA	DEPTH
TOPEKA	-1019	3106
HEEBNER	-1237	3324
TORONTO	-1263	3350
LANSING-KANSAS CITY	-1281	3368
BASE KANSAS CITY	-1505	3592
CONGLOMERATE CHERT	-1529	3616
ARBUCKLE	-1593	3680
R.T.D.	-1638	3725
L.T.D.	-1643	3730

Cores: None.
Drill Stem Tests: Two, see below.
Electric Logs: Welex R.A. Guard Log.

FORMATION DESCRIPTIONS

TOPEKA 3106-3323:
This section consisted mostly of barren limestone and shale stringers (3310-16). A trace of free oil and staining in a tan to gray, fine crystalline, fossiliferous limestone with intercrystalline, and pin point vugular porosity. This should be tested before abandoning well.

TORONTO 3350-59:
There were no shows.

LANSING-KANSAS CITY 3368-3592:

A, B Bench 3368-91 There were no oil shows.

C Bench 3400-12 Minor free oil, staining and faint odor in a white to tan, fine crystalline, sucrosic limestone with intercrystalline and pin point vugular porosity. Log calculations (3400-06) 11 to 13% porosity and 34-53% water saturation. This was tested in D.S.T. #1 and should be perforated and tested.

DRILL STEM TEST No. 1 3381-3409:

Open 60 minutes, recovered 780' GIP, 90' OCM, 60' HOCM, 300' FO. Flow pressures 40 to 200 pounds, 30 minute initial bottom hole pressure 1129 pounds, 30 minute final bottom hole pressure 1110 pounds.

D Bench 3417-30 A trace of free oil and staining in an offwhite to tan, fine crystalline, sucrosic limestone with intercrystalline. Log calculations (3418-24) 14½ to 8% porosity and 24 to 31% water saturation. This should be tested. It was included in D.S.T. No. 2.

E, F, G Bench 3438-85 A trace of free oil, staining and very faint odor in a white to offwhite, fine crystalline, fossiliferous, slightly chalky limestone with intercrystalline and worm hole vugular porosity. Log calculations (3438-42) 10 to 11% porosity and 38 to 47% water saturation. The upper 16' of this zone was included in D.S.T. No. 2 and is probably where the water came from. This should be tested before abandoning well.

DRILL STEM TEST No. 2 3408-3454:

Open 60 minutes, recovered 3207' GAS, 30' OCM, 343' HOCM, 530' FO, 300' SW. Flow pressures 60 to 519 pounds, 30 minute initial bottom hole pressure 1168 pounds, 30 minute final bottom hole pressure 1149 pounds.

H Bench 3500-13 A trace of staining in an offwhite to gray, fine crystalline, fossiliferous, chalky to firm limestone.

I Bench 3520-33 A trace of free oil and staining in a white to offwhite, fine crystalline, chalky, fossiliferous limestone. Log calculations (3520-22) 10½ % porosity and 47% water saturation. This should be tested before abandoning well.

J Bench 3537-50 A trace of staining and very faint odor in a white to offwhite, chalky, fine crystalline limestone.

K Bench 3556-76 A trace of free oil, staining and faint odor in a fossiliferous, oolitic, fine crystalline, chalky to firm limestone with intercrystalline and vuggy porosity. Log calculations (3556-60) 9% porosity and 35 to 45% water saturation. This should be tested before abandoning well.

L Bench 3582-92 A trace of staining and free oil in an offwhite to tan, fine crystalline, tight limestone. Log calculations (3582-86) 6½ to 7% porosity and 62 to 45% water saturation. This might be tested before abandoning well.

CONGLOMERATE 3616-34:

Minor free oil and staining in a tan, fine crystalline weathered, tight, cherty limestone. Log calculations (3618-24) 7 to 9% porosity and 75 to 58% water saturation. This should be tested before abandoning well.

ARBUCKLE 3680-T.D.:

A trace to minor free oil and staining in a tan, fine to medium crystalline sucrosic dolomite. Log calculations (3682-88) 14 to 21% porosity and 19 to 31% water saturation. This should be tested.

RECOMMENDATIONS

It was recommended and confirmed by all parties to set pipe and further test this well.

Respectfully submitted,

C. K. Ottaway
Green & Green

CKO/gc

Lucky Lady Oil Co. Lucky Lady #1
500' FSL 1780' FEL NW/4 Sec. 30-11-19
Ellis County, Kansas

ONE FOOT DRILL TIME FROM 2901' to 3725':

2901 21222/22243/43333/34444/32333/42222/32123/32323/21223/33333
3000 23223/34333/44623/23363/43443/34464/44544/33456/64445/54456

3001 34455/55576/66566/54345/1411797/31010123/55107?/897915/18121198/
3100 13131145/43443/23442/34345/81416173/22222/53344/54355/22322/
23443/336106

3101 66456/610476/98744/55566/45742/22311/22566/65652/54434/13334
3200 45443/55555/45655/35456/66554/22122/12212/12221/12445/33443

3201 44443/34323/33434/34443/44632/43444/55533/43332/22133/22323
3300 32343/23312/22222/32333/23333/32422/1½222/22323/34344/32233

3301 22123/23232/23223/22143/33323/23323/23212/22223/33233/34434
3400 34333/33554/44443/23433/34333/33444/44344/34343/43322/23334
(Circulate and D.S.T. No. 1 3400')

3401 33232/33232/23343/33324/32443/33223/33322/23355/32443/
3500 22323/23343/54445/35444/24446/55576/65344/52223/23323/45353
(Circulate and D.S.T. No. 2 3450')

3501 52533/43344/23233/33343/43443/32233/33333/22333/33343/33323
3600 33231/33223/44455/54434/33334/44344/44334/44333/33333/44432

3601 22212/22245/45444/34443/44454/44434/43224/65312/12223/32333
3700 33333/33334/54444/55333/44434/23223/31455/52412/21434/22232
(Circulate 3640')
(Circulate 3690')

3701 42233/32233/22332/33232/23222
3725
(Circulate, R.T.D. and Log 3725')

TO: Lucky Lady LLC
Box 465
Cimarron, Ks 67835

RE: Schaublar No. 1 30-11-19 - ELL's Co.
10-14-83 - Hembree Well Service moved in to pull Rods + tbg to begin workover had a lot of soft Paraffin swab out ahead of the pump - called the Steamers to clean up tbg before we acidized.

10-15-83 Rigged up Welex to Perf 4 Zones
I-Zone 3520½ TO 3521½ @ 0900hrs 4/ft
F Zone 3440½ TO 3442 @ 0935hrs 4/ft
D-Zone 3419½ TO 3423½ @ 1044hrs 4/ft
C-Zone 3400½ TO 3405½ @ 1007hrs 4/ft
Fluid raised in Csg Approx 50 ft while Perf. Ran RHS + RBP & Set RBP @ 3550 ft Let packer swing free & Shut down over week end.

10-17-83 Rig up Swab to find Top of Fluid. Had Trouble getting Swab down in Tbg. Spotted 250 15% Mud Acid on I-Zone set packer - Zone Treated on Vac - Started Swabbing immediately - Fluid was down Twenty Four Hundred ft. (2400) Had Show of Oil on -

2nd pull - Recovered 14½ BBL of fluid on Swabdown
1st hr Test 4¼ BOF 65% oil
2nd hr Test 4 BOF 65% oil
3rd hr Test 4 BOF 80% oil
Moved Tools to F-zone 3440½ - 42
Spotted 250 gal 15% Mud acid - Treated @ 500 PSI max pressure 600 PSI Max rate ½ BPM Instant shut in 200 PSI Over-in on vac.
Had acid kick on third pull - Turned 100% oil on fourth pull @ rate of 6 BBLS/HR.
Retreated with 1000 gal 15% NE acid when we had approx 700 gal in it communicated with the D-zone pulled packer loose & Let swing over night.
10-18-83 Set packer between D-C zones to check for communications there. & it was.
Pulled packer above all perforations - Treated with 2500 gal 15% NE acid - Ran as follows: (500 gal acid - 300# Rock Salt - 1000 gal acid - 400# Rock Salt 1000 gal acid - flushed w/ 18 BBLs 2% KCL wtr.)
Instant shut In - 250 PSI On vac 12 mins Max PSI 1800# Max rate 7 BPM. Let set 1 hr. Fluid was down 900 ft. Recovered 18 BBL on Swab down - had 25% oil in third pull.
1st hr Test 15.1 BOF 64% oil
2nd hr " 17.65 BOF 65% oil
3rd hr " 16.00 BOF 67% oil

Recovered [illegible] of fluid. Released
packer to retrieve RBP @ 1545 hrs. and added
20 ft of fill up on top of RBP - circ'd with TRK
but could not circ it clean - Shut down overnight.
10-19-83 Had wtr TRK + pump TRK on location
Washed for approx 1 hr could not get a hold on the
RBP - Tripped the packer out of the hole.
When we got out the overshot was clean.
went back with the overshot + had to really
get rough before we finally got ahold of the RBP
when it came out of the hole it had a few
formation cutting along with some hard paraffin
in the top cup.
Started tbg back in hole + on bottom of hole
@ 1730 hrs. Shut down over night.
10-20-83. Run Rods - pump - + hang it on
for Production

Robert E. Wahlmeier

LUCKY LADY OIL COMPANY
Box 465
Cimarron, Kansas 67835

TO: R.J. Taylor

FROM: August Schonthaler

LUCKY LADY NO. 1

WELL DATA: 500 ft. FSL & 1780' FEL NW¼ 30-11s-19w
8 5/8 Surface csg. 248 ft.
4½ 9.5# Production csg. 3728ft.

Surface and Rat Hole- Due to location conditions of a rocky fill, we lost a lot of water and mud. This cost us to use about four times the normal amount of mud. Just to seal it all off - $1200 vs. about $300.

District #1 indicated that we have a very good zone in the "C" Zone of LKC formation. District #2 showed the "E" & "F" Zones to be very much the same as the "C" Zone. The Open Hole Log calculations in the Arbuckle formation are excellent.

3-6-82
Completion: We ran 4½ production pipe to TD 3730, picked the pipe up 2 ft. off bottom and cemented it with 625 SKs Halliburlton "Light" and 300 SKs 6440 Pozmix with 18% salt and 3/4% CFR-Z. We had returns of cement to the surface. W.O.C.

3-10-82
Ran cased hole Micro-Siesmogram Log to check Bond Log on formation. Had good bond on pipe and formation. We had some soft cement above the float in the pipe.

3-11-82
Moved in double drum.

3-12-82
Ran bit on Tbg and drilled plug and float. Then cement to a TD of 3703', POH Tbg and bit. Swabbed hole to 3020ft. Perf Arbuckle 3681-3687 -6ft.- 2 holes per ft.

The rig crew does not work on Saturday or Sunday.

3-15-82
Had fluid 1300 from surface. Swabbed hole & tested for 2 hrs.- making .85 BOPH. Treated W 250 gal 15% SG Acid-Shut in overnight- Total load 65BBLs. acid & water

3-16-82
Surbbed hole down to 2600ft. No show of oil but kicking back 200ft. in 300 mins-1.25 BBLs. Surbbed down to 3050 -started showing oil. Test with 42 BBLs of fluid. Back tested 2 hrs. - 5.75 BFPH 90% oil. Run Bailer to bottom to check for water, had 4 gal wtr. on bottom. Decided to P.O.P.

Bob, we can retreat the Arbuckle down the annulus if it doesn't come up to our expectations.

R.A. Wahlmeier