

20-7-17W

Eric Waddell



WESTERN KANSAS GEOMAGNETICS

Portable Magnetometer Service

913-885-4497
or
913-998-4411

Independent Petroleum Geologist

P. O. Box 349

Natoma, Kansas 67651

SE NE SW

C.P.I.

Kriley E#2

SE NE ~~NW~~ Sect. 20-7S-17W

Rooks County, Kansas

API: 15-163-21566

Commenced: 2-03-82

Completed: 2-20-82

Drilled By: Emphasis Rig #7

Anhydrite: 1177-1210 (+583)

Pipe Record: 8⁵/₈ set at 1185, with 425 sks. common, 3% C.C. and 2% gel.

Production String: 5½ set at 3250' with 150 sks. 60-40 poz. 3% gilsinite & 2% gel.

GEOLOGICAL REPORT

Elevation: KB 1760

DF 1758

GL 1755

Gentlemen;

The above captioned well was under my supervision from a depth of 2600 feet to a rotary total depth of 3250 feet. Ten foot samples, washed and dried, were examined from 2600 feet to RTD. No drill stem tests or logs were run. This well was completed as a producer.

FORMATION DATA (From sample tops)

*All measurements from KB

TOPEKA LMS.....	2675.....	-915
HEEBNER SHALE.....	2884.....	-1124
TORONTO LMS.....	2903.....	-1143
LANSING-KC.....	2932.....	-1172
Base of KANSAS CITY.....	3160.....	-1400
MARMATON.....	3176.....	-1416
ARBUCKLE.....	3239.....	-1479
RTD.....	3250.....	-1490

SIGNIFICANT ZONES

(Oil shows, stains, & porosity)

TOPEKA LMS. (2675-2884)

2705-10 Lms., off white. Fine to medium crystalline. Trace of free oil in intercrystalline porosity. No odor, lite stain.

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SIGNIFICANT ZONES, continued

TOPEKA LMS, continued

- 2756-62 Lms., gray. Medium crystalline to subgranular. No visible free oil, no odor.
- 2831-39 Lms., white. Fine to medium crystalline. Slightly friable with intercrystalline to scattered vug porosity. Fair show of free oil, weak odor, lite to medium saturated stain. Test this zone before abandoning this well.
- 2850-53 Lms., white. Fine to medium crystalline. Friable with intercrystalline porosity. Trace of free oil, weak odor.

2861-64 Lms., white. Subgranular, friable. Trace of stringy, dead oil, faint odor, lite stain.

LANSING-KC (2932-3160)

"A ZONE"

2932-37 Lms., white. Very fossiliferous to subgranular. Small show of free oil, faint odor, lite saturated stain.

2940-44 Lms., white. Fossiliferous, with inter-fossiliferous porosity. No show of free oil, no odor.

"F ZONE"

3011-19 Lms., dark tan. Fine crystalline with pinpoint vug porosity. Small show of free oil, fair odor, lite to medium saturated stain. Test this zone before abandoning this well.

"G ZONE"

3023-31 Lms., tan. Fine crystalline to subgranular. Intergranular to vuggy porosity. Fair show of free oil, good odor, medium saturated stain. TEST THIS ZONE.

"I ZONE"

3082-86 Lms., white. Subgranular, with a very small show of free oil in intergranular porosity.

"J ZONE"

3101-07 Lms., off white. Subgranular, with scattered vugs. Strong odor, fair show of free oil, lite saturated stain. Test this zone before abandoning this well.

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SIGNIFICANT ZONES, continued

KANSAS CITY, continued	3110-13	Lms. tan to lite brown. Medium crystalline Trace of free oil, weak odor, lite stain.
"K ZONE"	3129-34	Lms., gray to brown. Subgranular with vug porosity. Fair show of free oil, fair odor, saturated stain. TEST THIS ZONE.
"L ZONE"	3151-55	Lms., brown. Subgranular to very fossil- iferous. Good show of free oil, weak odor, saturated stain. TEST THIS ZONE.
MARMATON (3176-3239)	3176-85	Sandstone, white. Calcareous, very fine grained. No show of free oil.
ARBUCKLE (3239-RTD)	3239-RTD	Dolomite, lite tan. Show of free oil, fair odor. TEST THIS ZONE.

RECOMMENDATIONS

It was recommended that pipe be set and further testing of this well be commenced. Structurally this well ran 45 feet higher at the top of the Arbuckle than the Eldon Kriley F #3 (SW SW NE Section 20-7S-17W). Due to significant oil shows encountered in the Kansas City "G", "K", and "L" zones, as well as the Arbuckle, this well should be completed as a producer.

Respectfully submitted,

Mark Torr, Geologist

Eric Waddell



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One foot drilling time from 2601 feet to 3250 feet:

2601

11111/33234/23334/43222/32333/22212/11212/22234/54343/33544/
22222/22222/22222/21221/22122/65455/55566/45454/33344/33333
2700

2701

43321/22222/23345/43334/44332/33333/33333/23333/32333/44321/
2½½½½/½1212/11223/32334/33333/22232/33345/53334/65546/64633
2800

2801

55345/56647/76554/76345/67576/46776/75434/44457/66656/64765/
77555/76465/56755/67955/45433/32434/34442/34565/65455/65565
2900

2901

54454/44432/34444/54545/54554/54453/53546/44555/34354/54456/
44545/56554/55532/54345/54444/64555/45445/54444/56545/54555
3000

3001

54544/55567/76555/54456/65332/23222/24433/34577/56666/77766/
55656/56667/75456/76654/54656/65565/6 10 656/69443/34466/46355
3100

3101

32365/65564/33556/65446/55677/55654/44445/45655/5 10 673/ 58565/
85655/88777/54433/54455/57555/55433/33456/63233/33355/55577
3200

3201

65544/55566/66453/44356/55335/43543/53334/33243/33333/22332
3250