

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

SW-SE-NW

C. P. I.

Eldon Kriley F #1

SW SE NW Sect. 20-7S-17W

Rooks Co., Kansas

COMMENCED: 1-7-82

COMPLETED: 1-15-82

DRILLED BY: Emphasis Rig #7

ANHYDRITE: 1141 (+631)

PIPE RECORD: 8⁵/₈ set at 1146' w/
400 sks. 3% C.C. & 2% gel.

PRODUCTION STRING: 5¹/₂ set at 3276' w/
150 sks. 60-40 poz. 3% gilsonite & 2%
gel.

GEOLOGICAL REPORT

ELEVATION: KB 1772

DF 1770

GL 1767

Gentlemen;

The above captioned well was under my supervision from a rotary depth of 2600' to a rotary total depth of 3278'. Ten foot samples, washed and dried, were examined from 2600' to RTD. No drill stem tests or well logs were run. This well was completed as a producer.

*All measurements from KB.

FORMATION DATA (Sample tops)

TOPEKA LMS.....	2701.....	-929
HEEBNER SH.....	2911.....	-1139
TORONTO LMS.....	2935.....	-1163
LANSING-KC.....	2953.....	-1181
BASE OF LANSING-KC.....	3178.....	-1406
MARMATON LMS.....	3193.....	-1421
CONGLOMERATE.....	3221.....	-1449
SIMPSON SAND.....	3250.....	-1478
ARBUCKLE DOLO.....	3272.....	-1500
RTD.....	3278.....	-1506

SIGNIFICANT ZONES

(Oil shows, stains, & porosity)

TOPEKA LMS. (2701-2911)

2729-35 Lms., white. Interfossiliferous porosity
Fair show of free oil, (slightly stringy)
saturated stain. Scattered pinpoint vugs

LANSING-KC (2953-3178)

2955-61 Lms., white. Fine crystalline to granula
with scattered vuggy porosity. Minor
show of "dead" oil, no odor, & lite
saturated stain.

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SIGNIFICANT ZONES CONT'D

LANSING-KC (CONT'D) "B ZONE"	2969-73 Lms., white to off white. Fossiliferous, with very lite spotted to saturated stain no show of free oil, & no odor.
"C ZONE"	2982-88 Lms., brown. Fine crystalline to granular. Minor show of free oil, weak odor, & lite spotted to saturated stain.
	2998-03 Lms., white to brown. Friable, with a minor show of free oil, faint odor, & lite stain.
"D ZONE"	3017-20 Lms., white to brown. Free oil sparse in scattered vuggy porosity. Fair odor, & lite saturated stain.
"G ZONE"	3043-46 Lms., white to off white. Friable, with intercrystalline to intergranular porosity. Fair show of free oil, good odor, & good saturated stain. Test this zone.
	3049-52 Lms., white. Fossiliferous porosity. Fair show of free oil, fair odor, & lite spotted to saturated stain. test this zone.
"H ZONE"	3093-98 Lms., white to tan. Scattered vuggy porosity, minor show of stringy oil, faint odor, lite spotted stain.
"I ZONE"	3118-24 Lms., off white to brown. Fine crystalline to fossiliferous, with interfossiliferous porosity. Minor show of free oil, faint odor, lite spotted to saturated stain.
"J ZONE"	3131-35 Lms., Gray to brown. Friable to dense fine crystalline, with scattered vuggy porosity. Fair show of free oil, weak odor, lite saturated stain.
	3150-53 Lms., white. Fine crystalline, with scattered fossil clasts. Trace of free oil
"K ZONE"	3160-64 Lms., gray to white. Fossiliferous, with a fair show of free oil.

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SIGNIFICANT ZONES CONT'D

CONGLOMERATE (3221-3250)

3231-35 Dolomitic lms. Trace of free oil, no odor

SIMPSON SAND (3250-3272)

3251-55 Sandstone. Fine grained, mature, with calcareous cement. Adequate show of free oil, good odor, good saturated stain. Test this zone.

3257-60 Same as above.

3261-63 Same as above.

ARBUCKLE DOLO. (3272-RTD)

3272- RTD Dolomite, tan to off white. Show of free oil, strong odor, saturated stain. Some slightly oolitic porosity, & rhombohedral crystals.

RECOMMENDATIONS

It is recommended that pipe be set and further testing of this well be commenced. Structurally this well ran 6 feet lower at the top of the Lansing-KC and 31 feet lower at the top of the Arbuckle, as compared to Kriley B #1 (SW NW SW Sect. 20-7S-17W). Due to significant oil shows encountered in the Lansing-KC "G" zone, in the Simpson Sand, & in the Arbuckle, this well should be completed as a producer. It is my recommendation that open hole completion techniques be used upon completing this well.

Respectfully submitted,

Eric F. Waddell, Geologist

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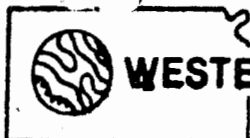
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Eldon Kriley F #1

ONE FOOT DRILL TIME FROM 2600' TO 3278'.

2601	23232/34434/44333/22332/22222/22212/13234/53422/33322/22123/
2700	32121/22121/21221/33333/22333/33212/12222/11222/12121/12112/
2701	26555/56546/54434/55756/56556/54322/32222/34544/76365/55454/
2800	65589/87457/56554/35435/56465/55432/31111/12323/44575/35553/
2801	35443/34434/45788/53353/54656/55544/44566/66655/55446/55988/
2900	64353/56635/32454/46555/67673/68769/74346/43554/45545/45444/
2901	53323/23346/55423/37654/34455/46546/44543/45556/55565/36543/
3000	43574/56665/46666/64658/67557/64455/66455/44553/45556/66677/
3001	56566/45445/76757/56778/76478/75656/11 9867/67864/24244/55563/
3100	12377/77787/99777/79966/78786/5 10 765/56767/97966/66687/76776/
3101	88677/77775/34345/55767/67668/66787/55536/76564/34665/87768/
3200	68799/97878/65565/55664/77787/77757/76765/66676/87835/43333/
3201	34455/77954/44358/8788 10/10 8566/64557/87886/77697/75677/89758/
3278	66454/63346/75755/45535/56452/243

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KRILEY "F" LEASE (80 acres)
SE $\frac{1}{4}$ of the NW $\frac{1}{4}$ & SW $\frac{1}{4}$ of the NE $\frac{1}{4}$
Sect. 20-7S-17W
Rooks County, Kansas

Number of producing wells: 3
Number of wells drilled: 3
Lease to be drilled on: 10 acre spacing.
Number of wells left to be drilled: 5

Characterization and history of individual wells:

KRILEY F #1
SW SE NW 20-7S-17W
Date drilled: 1-7-82
Well depth: 3282'

PRODUCING HORIZON: Arbuckle 3272'-3282'
PRESENT PRODUCTION: not yet on pump.
MAXIMUM PRODUCTION: 350 BOPD.

COMPLETION INFORMATION:

6' open hole in Arbuckle.
Swabbed 42 BOPH w/no vacuum pull on zone. Simpson Sand
Came in natural w/no acidizing or stimulation.
Filled up w/2650' of oil overnight.
Gravity of oil: 26.9 @ 60°F.

OIL ZONES BEHIND PIPE:

Lansing-Kansas City - "G" zone 3043'-3046'
- 3251'-3255'
- 3257'-3263'

KRILEY F #2
SE SE NW 20-7S-17W
Date drilled: 1-17-82
Well depth: 3291'

PRODUCING HORIZON: Arbuckle 3280'-3291'
PRESENT PRODUCTION: Not yet on pump.
MAXIMUM PRODUCTION: 600 BOPD.

COMPLETION INFORMATION:

11' open hole in Arbuckle.
Swabbed 60 BOPH w/no vacuum pull on zone. Simpson Sand
500 gals. 15% mud acid used to clean mud
out of porosity.
Filled up w/2800' of oil overnight.
Gravity of oil: 19.0 @ 60°F.

OIL ZONES BEHIND PIPE:

Lansing-Kansas City - "L" zone 3161'-3165'
Simpson Sand - 3247'-3251'
3267'-3273'

KRILEY F #3
SW SW NE 20-7S-17W
Date drilled: 1-26-82
Well depth: 3293'

PRODUCING HORIZON: Arbuckle 3287'-3293'
PRESENT PRODUCTION: Not yet on pump.

COMPLETION INFORMATION:

At present time well is being completed,
and is initially swabbing 30 BOPH.

OIL ZONES BEHIND PIPE: Simpson Sand: 3268'-74'
Marmaton Sand: 3193'-3201' LKC: 3170'-73' "L"
LKC: 3147'-51' "K", LKC: 3044'-52' "G",
Toronto: 2933'-37'