

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

April 28, 1982

NW-SE-NW

C.P.I.

Eldon Kriley F#4

NW ~~SW~~ NW Section 20-7S-17W

Rooks County, Kansas

ANHYDRITE: 1116-1152 (+634)

PIPE RECORD: 8⁵/₈" set at 1127', with
450 sks. Common, 3% CC & 2% gel.

COMMENCED: 04-21-82

COMPLETED: 04-26-82

DRILLED BY: Lawbanco Rig #1

PRODUCTION STRING: 5¹/₂" set at 3256',
with 150 sks. 60/40 poz, 3% gilsinite &
2% gel.

GEOLOGICAL REPORT

ELEVATION

1750:KB

1748:DF

1745:GL

Gentlemen;

The above captioned well was under my supervision from a rotary depth of 2600' to a rotary total depth of 3257'. Ten foot samples, washed and dried, were examined from 2600' to RTD. No drill stem tests or electric logs were run. This well was drilled, and had pipe set in it for commercial production.

FORMATION DATA (From sample tops)

*All measurements from KB.

Comparison with:

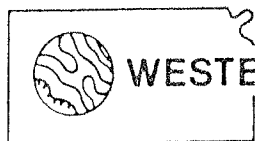
Kriley F #1

SW SW NW Section 20-7S-17W

Rooks County, Kansas

TOPEKA LMS.....	2678.....	-928.....	-929
HEEBNER SHALE.....	2888.....	-1138.....	-1139
TORONTO LMS.....	2911.....	-1161.....	-1163
LANSING-KANSAS CITY.....	2931.....	-1181.....	-1181
Base of KANSAS CITY.....	3156.....	-1406.....	-1406
CONGLOMERATE.....	3200.....	-1450.....	-1449
SIMPSON.....	3233.....	-1483.....	-1478
ARBUCKLE DOLOMITE.....	3255.....	-1505.....	-1500
RTD.....	3257.....	-1507.....	-1506

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SIGNIFICANT ZONES

(Oil shows, stains, & porosity)

TOPEKA LMS. (2678-2888)

2706-2712 Limestone, off white to gray. Small to fair show of free oil, weak odor & medium to dark saturated stain. Crisp to very slightly chalky, with inter-crystalline to vug porosity. TEST THIS ZONE.

2760-2766 Limestone, light brown. Sandy/friable, with a trace of stringy, dead oil, no odor & a very light spotted stain.

2838-2841 Limestone, off white. Fine crystalline with a fair show of free oil, weak odor & very light spotted stain. This zone should be tested before abandoning.

2851-2853 Limestone, white. Trace of free oil & a fair odor in a crisp granular limestone with intergranular porosity. Test before abandoning.

LANSING-KC (2931-3156)

"A Zone"

2931-2935 Limestone, white. Fossiliferous to granular. Trace of free oil, weak odor & light spotted stain. Interfossiliferous to intergranular porosity. Test before abandoning.

"B Zone"

2949-2951 Limestone, white. Very fossiliferous. Barren.

"C Zone"

2967-2972 Limestone, white. Fine crystalline, crisp to slightly chalky. Trace of free oil & a weak odor. Test only before abandoning.

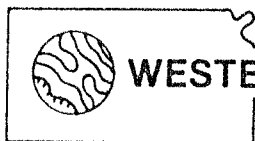
"D Zone"

2986-2989 Limestone, tan to brown. Crisp with intergranular porosity. Trace of free oil, weak odor & light spotted stain. Test before abandoning.

"F Zone"

3008-3010 Limestone, white. Trace to a small show of free oil, fair odor & light stain in interfossiliferous to scattered pinpoint vug porosity. TEST THIS ZONE.

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SIGNIFICANT ZONES, continued

LANSING-KC, continued "G Zone"

3027-3034 Limestone, white. Strong odor & a fair show of free oil in a very fossiliferous to oolitic to oolitic limestone. Cris with interfossiliferous to interoolitic to vug porosity. TEST THIS ZONE.

"I Zone"

3088-3093 Limestone, brown. Grading from crisp fine crystalline on top to sandy & friable on the bottom of the zone. Trace of free oil & weak odor. Test only before abandoning.

"J Zone"

3110-3114 Limestone, tan. Small show, good odor & medium saturated stain. This zone is chalky & should be tested only before abandoning the well.

"K Zone"

3121-3123 Limestone, light brown. Small to a fair show of free oil & a fair odor in a granular limestone with intergranular to vug porosity. Medium saturated stain. TEST THIS ZONE.

"L Zone"

3151-3153 Limestone, gray. Fine crystalline with scattered vugs. Small show of free oil, fair odor & even saturated stain. TEST THIS ZONE.

CONGLOMERATE (3296-3233)

3211-3214 Limestone, off white. Dolomitic, with a fair show of free oil & a faint odor in intergranular porosity. Test this zone before abandoning the well.

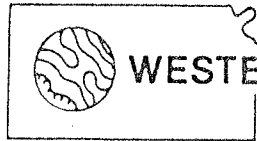
SIMPSON (3233-3255)

3245-3253 Sandstone. Fine to medium grained, mature with a good to adequate show of free oil, good odor & dark saturated stain. TEST THIS ZONE.

ARBUCKLE DOLOMITE (3255-RTD)

3255-RTD Dolomite, off white to tan. A show of free oil & good odor. Rhombohedral crystallinity with fracture porosity. TEST THIS ZONE.

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RECOMMENDATIONS

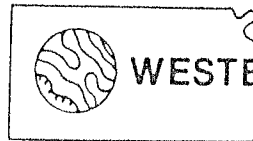
It was recommended that pipe be set and further testing of this well be commenced. All zones to be tested, as well as zones to be tested before abandoning, have been noted in this report. I recommend that open hole completion techniques be used.

Respectfully submitted,

Mark Torr

Mark Torr, Geologist

Eric Waddell



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ONE FOOT DRILL TIME FROM 2600' TO 3257':

2601-2700	11121/11211/23432/32133/41221/21323/21222/21212/12223/22222/ 23332/22212/22221/22222/11111/21253/43444/43434/32323/33233/
2701-2800	22432/32212/12222/33442/43433/33333/34544/33335/43343/32342/ 23353/32222/11112/33443/34444/42322/32333/22444/41434/
2801-2900	22224/32323/43354/43444/33454/45453/35453/42311/22244/45444/ 54555/45432/32333/33343/33433/33322/22233/33421/24454/33233/
2901-3000	33433/32232/23344/35344/54555/43444/45344/53444/44453/43553/ 44444/54454/44545/43334/44544/45554/44544/54445/34454/44554/
3001-3100	43554/33544/65555/64543/44445/34223/54434/55433/64454/55555/ 54436/53444/43445/65553/34445/56556/47656/54432/22244/43443/
3101-3200	22313/45544/23254/44542/35335/54532/43455/65454/44554/43565/ 54355/43564/44233/35555/55444/43433/33333/44522/22235/44456/
3201-3257	56654/54355/76655/34665/64444/64545/44344/53223/22344/13433/ 33233/22