

407 RULE BLDG.
PHONE NO 3-0028

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December 8, 1961

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Krueger & Associates #7 Mackel "B"
SW SE NE Sec. 29-128-15W
Russell County, Kansas

GENERAL

Contractor: Red Tiger Drilling Co, Rig #2
Spudded: December 1, 1961
Completed: December 7, 1961
Rotary: Surface to 3335 T. D.

CASING

8 5/8" cemented at 241' with 150 sacks
5 1/2" cemented at 3335

GEOLOGICAL DATA

Samples saved, drilling-time recorded from 2700' to the total depth.

Elevation: 1847 derrick floor, 1850 rotary bushing; rotary bushing elevation and measurements used.

Formation Tops

Anhydrite	898	952	
Base Anhydrite	838	913	
Topeka	2730	-880	
Heebner	2946	-1096	
Toronto	2967	-1117	
Lansing K. C.	2997	-1147	
Base K. C.	3226	-1376	
Conglomerate	3277	-1427	
Total Depth	3395	-1485	

DRILL STEM TESTS

EST #1
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2954-90 (Toronto) Open 1 hour, recovered 80' heavily
oil and gas cut mud. 295# IBHP, 130# IFF, 160# VFP,
240# BHP/20 minutes

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DST # 2

3005-65 (Lansing, 8-68' penetration) Open 1 hour, recovered 300' watery mud, 570# IBHP, 140# IFF, 290# FFP, 380# BHP/20 minutes.

CORES

None

LOGS
RUN

Schlumberger--Laterolog-Sonic.

POSSIBLE
PAY
ZONES

Topeka 2898-2917 White, soft, chalky limestone, fossiliferous in part, poor pin-point porosity, spotted oil staining in dry samples.

Toronto 2967-74 White, fine crystalline to fine granular limestone, small show live oil, fair spotted staining in dry samples. Recovered oil cut mud in DST #1.

Lansing K. C. 3006-10 (10 foot zone) White, buff fine crystalline limestone, trace vugular porosity, small show free oil.

3026-34 (30-foot zone) White, fine crystalline limestone, trace vugular porosity, very spotted oil staining.

3042-52 (40 foot zone) White, fine crystalline to chalky limestone, trace of oil staining in dry samples, no free oil, poor vugular porosity.

3072-76 (75-79' penetration) Trace of porous oolitic limestone spotted oil staining.

OTHER
IMPORTANT
ZONES

(Non Commercial)

Lansing K. C. 3100-08 (90-foot zone) Porous, oolitic lime, spotted oil staining.

3138-42 (141-145' penetration) White, fine crystalline limestone, trace pin-point porosity, no oil show.

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(159-164' penetration) White, chalky limestone, trace very light spotted staining, no porosity.

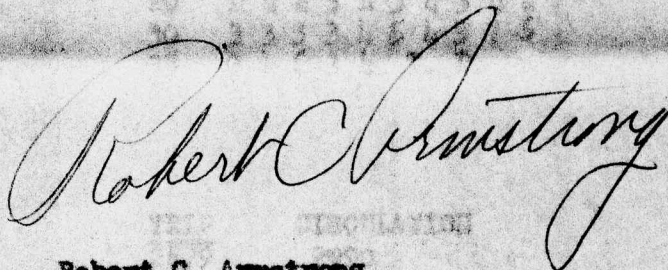
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- 3176-85 (179-188' penetration) White, soft chalky limestone, no porosity, no oil staining.
- 3258-62 (261-265' penetration) Buff and white mottled, fine crystalline to chalky limestone, no porosity, no oil staining.
- Conglomerate 3277-3335 Red, soft silty shale with abundant white chert, oolitic in part, chert increasing near the base of this section. Abundant sand grains present and fragments of quartzite.

SUMMARY

On Lansing, this well, with a datum of -1147 is slightly lower than Meckel "B" #6 and Meckel "B" #1, but 2 feet higher than Meckel "A" #2. The Toronto gave up oil cut mud on DST #1. The top 3 zones of Lansing gave up muddy water on DST #2. The zones gave up oil cut mud on #6 Meckel "B". Only two drill stem tests were taken. Conglomerate was found at -2427 and at the total depth of -1485, the well was still in Conglomerate. Schlumberger logs were run and the upper three zones in Lansing appeared to have sufficient porosity and low enough water saturation to be of commercial importance. Oil string was cemented on bottom.



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