301 15-163-03552-0000

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Transit-Kureger #1 Kirkwood
NW NE NE Sec. 11-10S-16W
Rooks County, Kansas

GENERAL

Contractor: Transit Corp.
Rotary: Surface to 3330 TD
Date Spudded: November 17, 1953
Date Completed: November 28, 1953

CASING

8 5/8 cimented at 151' with 100 sacks
5 1/2 cemented on bottom.

GEOLOGICAL DATA

Elevation: 1928 derrick floor, 1930 rotary bushing. Rotary bushing measurements and elevation used.

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

Formation tops:

	E.L.E. 1930	C.S. E.L.E. 1935	C.S.
Anhydrite	1200	730	Driller
Base Anhydrite	1240	690	"
Topeka	2794	- 864 3028	Samples
Heebner	3027	-1097 3028 - 1193	"
Toronto	3049	-1119 3048 - 1113	"
Lansing K.C.	3071	-1141 3073 1138	"
Base K.C.	3302	-1372	"
Total Depth	3330	-1400	"

DRILL STEM TESTS

DST #1 3034-94 (Testing Toronto and 23' penetration in Lansing) Open 1 hour, recovered 300' heavily oil and gas cut mud, 405# BHP/ 20 min.

DST #2 3110-45 (39-74' pen) Open 1 hour, recovered 240' gas, 80' very heavily oil cut mud, 500# BHP/20 min.

DST #3 3142-71 (71-100' pen) Open 1 hour, recovered 120' watery mud, 490# BHP/20 min.

SURVEYS MADE

Gamma ray to be run at a later date.

CORES

None

c.s. 4th Test
3249 - 3244 No fill up No Punnce
3293 - 3321 No fill up No Punnce

Arbuckle - 150' stain in sample

GRPT

Topeka

2825-34 (Thickness of this zone probably exaggerated) Limestone, fine granular, soft, dolomitic, good saturation. This zone should be tested at some future time.

Toronto

3049.50

3049-52 0-3' pen. Buff, crystalline, dolomitic limestone, very cherty, trace vugular porosity, small show live oil. Included in DST #1.

Lansing

3071-73 OK

3071-74 0-3' pan. White to tan, medium crystalline, sparsly oolitic limestone, no porosity, no oil staining. This zone should be tested if porosity is found on gamma ray log.

Not good

3083-86 12-15' pen. White, chalky, fossiliferous limestone, no oil staining, probable spotted porosity; should be tested if gamma ray log indicates porosity.

Note: Samples were poor through this interval. Almost no satining had been found in the samples at this penetration in Lansing, yet DST #1, including these zones, showed 300' of oil cut mud.

3105-09 34-38' pen. Probably non commercial. white soft chalky limestone.

Shaley on log

3114-22 43-51' pen. Mostly white, dense, fine crystalline limestone, slightly oolitic, thin streaks of poor porosity and oil staining. Included on DST #2.

Often log

3126-30 55-59 ' pen. White, fine crystalline limestone, oolicastic in part, some vugular porosity, show live oil. Included in DST #2.

O.H. anhy

3133-40 62-69' pen. Streaks of porous vugular limestone, show live oil. Included in DST #2.

Cut

3146-48 75-77I pen. White, fine crystalline lime, trace vugular porosity and oil staining.

Cut

3167-71 96-100' pen. Non Commercial. White, chalky limestone, slight porosity, very small show oil, recovered muddy water on DST #3.

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3174-78 103-107' pen. Non Commercial.
White, chalky limestone, slightly oolicastic, slight oil staining in dry samples.

3235-46 165-175' pen. White, fine crystalline to fine granular limestone, trace poor vugular porosity with dead (?) oil staining. Probably non commercial.

52 68
32ØØ-ØØ 181-197' pen. White, fine crystalline limestone, streaks of soft chalky limestone, no porosity or staining was found in this interval. Probably non commercial.

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3286-90 215-219' pen. Porous oolicastic limestone, faif oil staining. This zone recovered scum oil, 12' mud with 990# BHP on Welling #1.

SUMMARY

On Lansing, this well is falt with the CSO #1 Erway and several feet lower than CSO #2 Erway. Several zones listed above, down to the "90-foot" zone, should be tested and should produce oil. Zones below the "90-foot" zone are of doubtful importance: except for the zone, 3286-90, very little porosity and oil staining were found in the samples.

Below the "90-foot" zone, the section thickened somewhat and zones of porosity were found slightly lower than expected: these lower zones were about 4 feet lower ahan Welling #1 and Cso #1 Erway.

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