LEE H. CORNELL
Petroleum Geologist
PHONE AMHERST 2-3921
604 ORPHEUM BUILDING
WICHITA 2, KANSAS

16-12-15W

July 17, 1959

Louis M. Mai Operations,
Box 33,
Russell, Kansas

Re: No. 3 Beller "B"
SW NE NE 16-12-15W
Russell County, Kansas

Gentlemen:

The following is my report on the above captioned well. One foot drilling time was kept from 2800 to total depth and five foot samples were saved and examined from 2900 to total depth.

Original drilling time sheets are returned with this report. Pennsylvanian samples were discarded at the well after examination and ordivician samples were delivered to the Kansas Well Sample Bureau. A copy of the drilling time is being sent to the Kansas Well Log Bureau.

MISCELLANEOUS DATA

Contractor:	Mast Drilling, Inc. - Rig No. 1
Surface Hole:	July 6, 1959
Surface Casing:	8-5/8" set at 875' and cemented with 450 sacks.
Rotary Drilling Completed:	July 15, 1959.
Oil String	5-1/2" set at 3318' and cemented with 125 sacks.
Centralizers at:	2960, 3000, 3065, 3135, 3180, 3255, 3315.
Measurement Check:	Strap 2633.80
	Board 2633.03
	Difference .77
	No Correction Made.

Daily Progress

BIT RECORD

		No.	Make	Type	Depth	Footage	Hours
July 6	Sur. Hole	1	Hughes	OSC3-J	875-1875	1000	20-1/2
7	875	2	Smith	SV2 Rerun	1875-1970	95	6 3/4
8	1545	3	Hughes	OSC	1970-2575	675	23-1/2
9	1990	4	"	OWV	2575-2873	298	17-1/4
10	2575	5	"	"	2873-3035	162	13-1/4
11	2883	6	"	"	3035-3205	170	19-1/4
12	3035	7	"	"	3205-3320	115	20
13	3133						
14	3253						
15	3320						

FORMATION TOPS

Elevation 1822 KB

[illegible] 862 (+ 960)

16-12-15w

Louis M. Mai Operations
No. 3 Beller "B"

STRUCTURAL POSITION

On the Lansing No. 3 Beller "B" is 8 feet lower than No. 1 Beller "B" and 5 feet lower than No. 2 Beller "B"; on the Arbuckle it is 2 feet lower than "B" 1 and 5 feet lower than "B" 2.

LANSING SECTION

"Top Zone" 2987-96 — Limestone, granular, poor porisity, scattered staining, very faint odor, no free oil.

"30 Foot Zone" 3011-15 — Limestone, oolicastic, scattered staining, faint odor, small show free oil.

Haliburton DST No. 1 — 3000-3020 - Open 1 hour, good blow throughout, recovered 65 feet of watery, slightly oil cut mud; ICIP 475#/30 min., FCIP 340#/30 min; FFP 35#. This zone appears to be of questionable value, but should be considered for testing before the well is abandoned.

"45 Foot Zone" 3023-28 — Limestone, sub-oolicastic, spotted staining, very faint odor, no free oil.

Haliburton DST No. 2 — 3020-35 — Open 1/2 hour, weak blow for 4 minutes, recovered 6 feet of mud. ICIP 505#/30 min., FCIP 430#/30 min; flow pressure zero.

This zone lacks porosity and permeability and is not recommended for testing.

"Upper 90 Foot" Zone" — 3070-75 - Limestone, slightly oolicastic, cherty, fair scattered staining, slight odor and very small show of free oil.

Haliburton DST No. 3 — 3060-78 — Open 1 hour, strong blow throughout, recovered 45 feet of heavily oil cut mud, 240 feet of muddy oil and 180 feet of clear salt water. ICIP 505#/30 min, FCIP 470#/30 min; IFP 70#, FFP 215#.

All this zone yielded 180 feet of salt water in the DST, it is recommended that it be tested before the well is abandoned.

"160 Foot Zone" 3145-48 — Limestone, fine crystalline, granular, poor porosity and poor permeability, faint staining and faint florescence. No free oil, no odor. This zone appears to be too tight to produce, but should be considered for testing if the electric log indicates favorable porosity.

"220 Foot Zone" 3198-3204 — Limestone, dence with small amount of staining and small show of free oil, no odor.

Haliburton DST No. 3 — 3185-3205 — Open 1/2 hour, weak blow for 3 min, recovered 5 feet of mud. ICIP 180#/30 min, FCIP

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No. 3 Beller "B"

ARBUCKLE SECTION

3237-50		Dolomite, medium to coarse crystalline, non-cherty, trace green shale, some fair to good inter-crystalline porosity with fair to excellent staining, fair odor, fair show of free oil.
Haliburton DST No. 5	3264-50	Open 2 hours, fair blow throughout, recovered 205 feet of clear oil, 180 feet of muddy oil. ICIP 895#/30 min. FCIP 770#/30 min; IFP 35# FFP 180#.
		Although samples indicated porosity and saturation comparable to other wells on the Beller leases, the oil recovered is considerably less than most of the other wells, indicating rather poor permeability.
3280-90		Dolomite, dense to medium crystalline, with some partly oolitic chert and probable streaks of green shale. Some inter-crystalline porosity and good staining, good odor and fair show of free oil.
3290-3300		Dolomite as above, fair odor and fair show of free oil.
3300-3320 Total Depth		Dolomite much the same as above, increase in chert, scattered light stain, slight odor, very little free oil.
		The Arbuckle appears to carry good oil shows to about 3300 with probable good porous zones 3290-92 and 3296-99.

Yours very truly,

Lee H. Cornell

LEE H. CORNELL

BRUNDAGE POOL

Township 12 S **Range** 15W **County** Russell **State** Kansas

FORM 45

LHC - 6-9-58