

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
OKLAHOMA CITY, OKLAHOMA

May 16, 1980

REPLY TO  
SUITE 133  
400 SOUTH VERMONT  
OKLAHOMA CITY, OKLA.  
73108

Tideway Oil Company  
P. O. Box 92  
Jackson, Mississippi 39205

Attn: Mr. Marvin Oxlay

Subject: Core Analysis Data  
Beauchamp No. 1 Well  
Stanton County, Kansas  
CLI File 3402-10093

Gentlemen:

Cores taken in the subject well in the Lansing-Kansas City formation were received at the Oklahoma City laboratory for special analytical testing described on the procedure page.

The accompanying Coregraph presents the Surface Core-Gamma Log and binomially averaged core analysis data in graphical form to aid correlation with downhole electrical surveys.

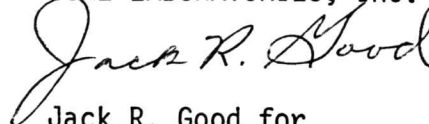
Tabular presentation of the measured physical properties may be found on page one of this report. Data averages are presented on page two.

The cored interval between 3934 and 3950 feet exhibits fair matrix permeability and excellent porosity development. High water saturations and absence of oil saturation indicate this zone to be water productive.

It is a pleasure to have this opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.



Jack R. Good for  
Dale E. Boyle, District Manager

DEB:JRG:ja

5 cc - Addressee

Tideway Oil Company  
Beauchamp No. 1 Well  
CLI File 3402-10093

Procedure Page

#### Handling and Analytical Procedures

Diamond coring equipment and water base mud were used to obtain 4.0 inch diameter cores between 3930.0 and 3974.5 feet.

The cores were preserved at the well site in a CO<sub>2</sub> atmosphere by CLI personnel.

The cores were transported to Oklahoma City by CLI personnel.

A Core-Gamma Log was recorded for downhole E-Log correlation.

Plug analysis was made in intervals requested.

Fluid removal was accomplished using high temperature retorts.

Porosity was determined by summation-of-fluids technique.

Horizontal air permeability on plugs measured without Klinkenberg correction.

Cores were slabbed down the middle for future geological study.

One half of the slabbed core will be shipped to Tideway Oil Company in Jackson, Mississippi. The other half will be shipped to Mr. Lynn Watney with with Kansas Geological Survey in Lawrence, Kansas.

CORE LABORATORIES, INC.  
 Petroleum Reservoir Engineering  
 DALLAS, TEXAS

TIDEWAY OIL COMPANY  
 BEAUCHAMP NO. 1 WELL  
 SOUTH JOHNSON FIELD  
 STANTON COUNTY, KANSAS

DATE: 5/16/80  
 FORMATION: LANSING-KANSAS CITY  
 DRLG. FLUID: WATER BASE MUD  
 LOCATION:

FILE NO: 3402-10093  
 ENGINEER: BOYLE  
 ELEVATION:

SMP. NO.	DEPTH	PERM. TO AIR MD. PLUG	POROSITY PERCENT	FLUID SATS. OIL	WTR.	GR. DEN.	DESCRIPTION
CONVENTIONAL ANALYSIS							
	3930.0-34.0						LM,SHY
1	3934.0-35.0	0.4	24.8	0.0	94.0		LM,OOL
2	3935.0-36.0	17.0	18.1	0.0	93.1		LM,OOL
3	3936.0-37.0	6.2	19.0	0.0	91.6		LM,OOL
4	3937.0-38.0	0.2	19.3	0.0	94.3		LM,OOL
5	3938.0-39.0	3.2	13.0	0.0	83.9		LM,OOL
6	3939.0-40.0	7.8	19.0	0.0	93.0		LM,OOL
7	3940.0-41.0	0.4	10.7	0.0	89.9		LM,OOL
8	3941.0-42.0	0.8	19.7	0.0	92.2		LM,OOL
9	3942.0-43.0	0.3	5.9	0.0	71.7		LM,OOL
10	3943.0-44.0	<0.1	2.7	0.0	79.1		LM,OOL,STY
11	3944.0-45.0	0.1	6.0	0.0	82.1		LM,OOL,STY
12	3945.0-46.0	4.9	5.8	0.0	89.9		LM,OOL,STY
13	3946.0-47.0	<0.1	10.5	0.0	86.5		LM,OOL,STY
14	3947.0-48.0	0.5	9.4	0.0	88.1		LM,OOL,STY
15	3948.0-49.0	37.0	19.3	0.0	86.6		LM,OOL
16	3949.0-50.0	0.3	17.6	0.0	87.8		LM,OOL
	3950.0-61.0						LM,SHY
	3961.0-65.0						SH,LMY
	3965.0-71.0						LM,SHY
	3971.0-74.5						SH,SL/LMY

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*Petroleum Reservoir Engineering*  
OKLAHOMA CITY, OKLAHOMA

CORE SUMMARY

Company TIDEWAY OIL COMPANY  
Well BEAUCHAMP NO. 1  
Page 2 of 2 File 3402-10093

<u>Depth,</u> <u>Feet</u>	<u>Horizontal</u> <u>Permeability, Md.</u>	<u>Porosity,</u> <u>Percent</u>	<u>Saturation</u>	
			<u>Oil</u>	<u>Water</u>
3934-50	4.9	13.8	0.0	87.7



COMPANY TIDEWAY OIL COMPANY FIELD SOUTH JOHNSON FILE 3402-10093  
 WELL BEAUCHAMP NO. 1 COUNTY STANTON DATE 5/16/80  
 LOCATION \_\_\_\_\_ STATE KANSAS ELEV. \_\_\_\_\_

# CORE-GAMMA CORRELATION

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VERTICAL SCALE: 5" = 100'

TOTAL WATER 0000  
 PERCENT PORE SPACE  
 80 60 40 20 0

GAMMA RAY  
 RADIATION INCREASE  
 →

PERMEABILITY \_\_\_\_\_  
 MILLIDARCY  
 100.0 10.0 1.0 0.1

POROSITY \_\_\_\_\_  
 PERCENT  
 30 20 10

OIL SATURATION XXXX  
 PERCENT PORE SPACE  
 0 0 20 40 60 80

