

CORE ANALYSIS REPORT

FOR

J. C. BROWN  
J. C. BROWN NO. 2-B WELL  
DOUGLAS COUNTY, KANSAS

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*

TULSA, OKLAHOMA

May 6, 1985

REPLY TO  
7304 EAST 38TH STREET  
TULSA, OKLAHOMA  
74145

J. C. Brown  
Rural Route 3  
Baldwin, Kansas 66006

Attn: Mr. J. C. Brown

Subject: Core Analysis Data  
J. C. Brown No. 2-B Well  
Douglas County, Kansas  
CLI File 3408-850070

Gentlemen:

Cores taken in the subject well in the Squirrel formation were received at the Tulsa laboratory for special analytical testing described on the Procedure Page.

The accompanying Coregraph presents 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.

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

Very truly yours,

CORE LABORATORIES, INC.

  
J. Michael Edwards  
District Manager

JME:ja

5 cc - Addressee  
1 cc - Kansas Land Investment, Inc.  
Attn: Mr. Jim Mietchen  
222 East 3rd Street  
Ottawa, Kansas 66067

J. C. Brown  
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Procedure Page

Handling and Analytical Procedures

Diamond coring equipment and air were used to obtain 2-1/8 inch diameter cores between 699.0 and 705.5 feet.

The cores were preserved at the well site in plastic bags by client representative.

The cores were transported to Tulsa by bus.

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.

Temporary storage of cores in Tulsa laboratory for a period of thirty days without additional charge.

J. C. BROWN  
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 DOUGLAS COUNTY, KANSAS

DATE : 5-6-85  
 FORMATION : SQUIRREL SAND  
 DRLG. FLUID: AIR  
 LOCATION :

FILE NO. : 3408-850070  
 API NO. :  
 LABORATORY: TULSA, OKLAHOMA

CONVENTIONAL PLUG ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM PLUG	FLD POR	OIL% POR	WTR% POR	DESCRIPTION
	699.0-99.3					LM
1	699.3- 0.0	0.88	17.3	21.0	57.4	SD FN GRN SLTY V/SHY MICA
2	700.0- 1.0	0.31	19.4	26.1	45.1	SD FN GRN SLTY SL/CALC SHY MICA
3	701.0- 2.0	7.4	21.4	27.3	40.0	SD FN GRN SLTY SL/CALC SHY MICA
	702.0- 3.0					SH
4	703.0- 4.0	4.6	20.2	24.8	43.9	SD FN GRN SLTY SL/CALC SHY MICA
5	704.0- 5.0	0.51	20.4	17.7	47.5	SD FN GRN SLTY SL/CALC SH LAMS MICA
6	705.0- 5.5	10.	18.3	33.0	52.7	SD FN GRN SLTY SL/CALC MICA SL/SHY

h = 0.5  
 $\phi = 18.3$   
 $S_o = 33$   
 $S_w = 52.7 (47.5)$   
 $\bar{V} = .619$

COMPANY J. C. BROWN FILE NO. 3408-850070  
 WELL J. C. BROWN NO. 2-B WELL DATE 5-6-85  
 FIELD \_\_\_\_\_ FORMATION SQUIRREL SAND ELEV. \_\_\_\_\_  
 COUNTY DOUGLAS COUNTY STATE KANSAS DRLG. FLD. AIR CORES \_\_\_\_\_  
 LOCATION \_\_\_\_\_

# CORRELATION COREGRAPH

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., (all errors or omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

**Total Water** \_\_\_\_\_  
 PERCENT PORE SPACE  
 100 80 60 40 20 0

**Oil Saturation** \_\_\_\_\_  
 PERCENT PORE SPACE  
 0 20 40 60 80 100

**Gamma Ray**  
 RADIATION INCREASE →

**Permeability** \_\_\_\_\_  
 MILLIDARCIES

**Porosity** \_\_\_\_\_  
 PERCENT

