

66720
RY KRANSKY
CORE ANALYSIS REPORT

FOR

66720
SUBJECT: CORE ANALY
NELSON NO.
ALLEN COUNT
CLI FILE 3
K.L.I. PETROLEUM, INCORPORATED
NELSON NO. K-38 WELL
ALLEN COUNTY, KANSAS



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

MARCH 12, 1981

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

K.L.I. PETROLEUM, INC.
BOX 519
CHANUTE, KANSAS 66720

ATTN: MR. GARY WRANOSKY

SUBJECT: CORE ANALYSIS DATA
NELSON NO. K-38 WELL
ALLEN COUNTY, KANSAS
CLI FILE 3406-00290

GENTLEMEN:

DIAMOND CORES WERE TAKEN IN THE SUBJECT WELL AND LATER TRANSPORTED TO OUR CHANUTE LABORATORY FOR ANALYTICAL PURPOSE. THE MEASURED DATA FOLLOWS ON THE ACCOMPANYING PAGES OF THIS REPORT.

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.

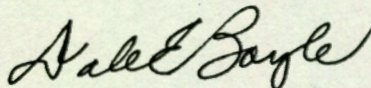
PRODUCTIVITY INDICATED FROM THE RESIDUAL FLUID SATURATION DATA IN THE INTERVAL ANALYZED BETWEEN 675 AND 694 FEET WOULD LIKELY BE OIL AFTER FORMATION TREATMENT.

ZONAL DATA AVERAGES ALONG WITH ESTIMATES OF RECOVERABLE OIL (WHERE APPLICABLE) ARE PRESENTED ON THE CORE SUMMARY PAGE OF THIS REPORT.

WE APPRECIATE THIS OPPORTUNITY OF SERVING YOU.

VERY TRULY YOURS,

CORE LABORATORIES, INC.



DALE E. BOYLE
DISTRICT MANAGER

2 CC - ADDRESSEE
2 CC - BOB BUTLER

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 1

KLI PETROLEUM, INC.
 NELSON NO. K-38 WELL
 ALLEN COUNTY, KS

DATE : 2-12-81
 FORMATION : BARTLESVILLE
 DRLG. FLUID: WATER BASE MUD
 LOCATION : SEC. 28-16S-21E

FILE NO : 3406-00290
 ANALYSTS : HUDSON
 LABORATORY: CHANUTE, KS

CONVENTIONAL PLUG ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM MD MAXIMUM	POR %	OIL% PORE	WTR% PORE	DESCRIPTION			
1	675.0-76.0	<0.1	13.7	28.2	45.9	SD	SLTY	SH LAM	MIC
2	676.0-77.0	0.2	17.1	29.6	46.6	SD	SLTY	SH LAM	MIC
3	677.0-78.0	<0.1	16.4	28.8	41.8	SD	SLTY	SH LAM	MIC
4	678.0-79.0	<0.1	11.6	9.8	71.8	SD	SLTY	CAL	SHY MIC
5	679.0-80.0	<0.1	14.3	25.6	54.6	SD	SLTY	CAL	SHY MIC
6	680.0-81.0	<0.1	12.8	17.4	63.6	SD	SLTY	SHY	MIC
7	681.0-82.0	<0.1	11.3	27.5	57.2	SD	SLTY	SHY	MIC
8	682.0-83.0	6.6	20.3	25.5	33.2	SD	SLTY	SHY	MIC
9	683.0-84.0	12.	21.4	30.6	31.6	SD	SLTY	SHY	MIC
	684.0-85.0					SD	SH LAM		
10	685.0-86.0	20.	23.5	28.0	36.5	SD	SLTY	SL/CAL	MIC
11	686.0-87.0	8.4	21.9	39.2	28.9	SD	SLTY	MIC	
12	687.0-88.0	3.1	19.5	43.7	23.0	SD	SLTY	MIC	
	688.0-93.5					SD	SL/SHY		

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 Oklahoma District

Company K.L.I. PETROLEUM, INC.
 Well NELSON NO. K-39

Page 2
 CLI File 3406-00290

CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME		BARTLESVILLE			
DEPTH INTERVAL	675-94				
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	19				
FEET OF CORE INCLUDED IN AVERAGES	12				
AVERAGE PERMEABILITY: MILLIDARCYs					
PRODUCTIVE CAPACITY:					
AVERAGE POROSITY: PER CENT	17.0				
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	27.8				
AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	44.6				
AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE					
OIL GRAVITY: °API					
ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL					
ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL					
CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT	*				

Calculated maximum solution gas drive recovery is * barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. These recovery estimates represent theoretical maximum values for solution gas drive and do not take into account any prior production or drainage to other areas. The difference between the calculated stock-tank oil in place and the solution gas drive recovery estimates, which are barrels per acre-foot, represent that portion of the reservoir oil which is available for possible secondary recovery techniques. Estimates of additional recoverable oil by secondary or enhanced methods would necessitate a complete engineering study of the subject reservoir.

* TIGHT AND BROKEN ZONE

(c) calculated

(e) estimated

(m) measured

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

COMPANY K.L.I. PETROLEUM, INC. FILE NO. 3406-00290
WELL NELSON NO. K-39 DATE 2-12-81
DEPTH UNKNOWN FORMATION BARTLESVILLE ELEV. UNKNOWN
COUNTY ALLEN STATE KANSAS DRILLING FLUID WATER BASE MUD CORES _____
LOCATION SEC. 28-16S-21E

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 0 20 40 60 80 100

Gamma Ray

RADIATION INCREASE →

Permeability _____

MILLIDARCIES

Porosity _____

PERCENT

