

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

MAY 22, 1981

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

PENDLETON LAND & EXPLORATION, INC.
23 IVERNESS WAY EAST
ENGLEWOOD, COLORADO 80112

ATTN: MR. TUCKER

SUBJECT: CORE ANALYSIS DATA
GLEASON NO. 1-B WELL
HODGEMAN COUNTY, KANSAS
CLI FILE 3402-10711

GENTLEMEN:

CORES TAKEN IN THE SUBJECT WELL IN THE CHEROKEE FORMATION
WERE RECEIVED AT THE OKLAHOMA CITY LABORATORY FOR SPECIAL
ANALYTICAL TESTING DESCRIBED ON THE PROCEDURE PAGE.

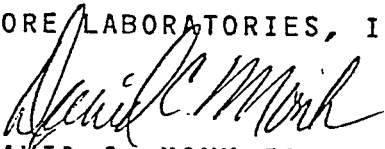
THE ACCOMPANYING COREGRAPH PRESENTS THE SURFACE CORE GAMMA LOG
AND BINOMIALLY AVERAGED CORE ANALYSIS DATA IN GRAPHICAL FORM TO
AID CORRELATION WITH DOWNHOLE ELECTRICAL SURVEYS.

TABULAR PRESENTATION OF THE MEASURED PHYSICAL PROPERTIES MAY
BE FOUND ON PAGES ONE AND TWO OF THIS REPORT.

IT IS A PLEASURE TO HAVE THIS OPPORTUNITY OF SERVING YOU.

VERY TRULY YOURS,

CORE LABORATORIES, INC.


DAVID C. MONK FOR
DALE E. BOYLE
DISTRICT MANAGER

5 CC - ADDRESSEE

PENDLETON LAND & EXPLORATION, INC.
GLEASON NO. 1-B WELL
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PROCEDURE PAGE

HANDLING AND ANALYTICAL PROCEDURES

DIAMOND CORING EQUIPMENT AND WATER BASE MUD WERE USED TO OBTAIN 3.5 INCH DIAMETER CORES BETWEEN 4600 AND 4676 FEET.

THE CORES WERE PRESERVED AT THE WELL SITE IN A CO₂ 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.

CORE ANALYSIS WAS MADE IN THE INTERVALS REQUESTED ON RIGHT CYLINDER FULL DIAMETER SAMPLES.

FLUID REMOVAL WAS ACCOMPLISHED USING VACUUM RETORTS.

POROSITY WAS DETERMINED BY DENSITY BALANCE METHOD.

AIR PERMEABILITY IN TWO HORIZONTAL DIRECTIONS-MEASURED WITHOUT KLINKENBERG CORRECTION.

CORES WERE SLABBED FOR FUTURE GEOLOGICAL STUDY.

ACID SOLUBILITY WAS DETERMINED IN CERTAIN INTERVALS.

TEMPORARY STORAGE OF CORES IN OKLAHOMA CITY LABORATORY AWAITING ADDITIONAL INSTRUCTIONS.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PENDLETON LAND & EXPLORATION
GLEASON NO. 1-B WELL

HODGEMAN COUNTY, KANSAS

DATE: 5/22/81
FORMATION: CHEROKEE
DRLG. FLUID: WATER BASE MUD
LOCATION:

FILE NO: 3402-10711
ENGINEER: BOYLE
ELEVATION:

* INDICATES PLUG PERM

SMP. NO.	DEPTH	PERM. TO AIR MD. MAXIMUM 90 DEG	POROSITY PERCENT	FLUID SATS. OIL WTR.	GR. DEN.	DESCRIPTION
WHOLE CORE ANALYSIS						
	4600.0-08.0					LM, SHY
1	4608.0-09.0	<0.1	<0.1	1.2	0.0 49.7	2.72 LM, FEW VGS
2	4609.0-10.0	<0.1	<0.1	1.5	0.0 53.9	2.71 LM, FEW VGS
3	4610.0-11.0	<0.1	<0.1	1.4	0.0 53.9	2.71 LM, FEW VGS
4	4611.0-12.0	<0.1	<0.1	1.8	0.0 54.5	2.71 LM, FEW VGS
	4612.0-18.0					LM, V/SHY
	4618.0-32.0					SH, LMY
5	4632.0-33.0	1.7	1.0	6.9	0.0 75.7	2.67 CHAT
6	4633.0-34.0	4.4	1.3	17.7	0.0 61.8	2.67 CHAT
7	4634.0-35.0	*	<0.1	6.6	0.0 84.6	2.68 CHAT
	4635.0-4636.0	TOO BROKEN FOR ANALYSIS				
8	4636.0-37.0	8.3	5.5	7.6	0.0 64.0	2.65 CHAT
9	4637.0-38.0	*	0.1	10.1	0.0 62.1	2.67 CHAT
	4638.0-4639.0	TOO BROKEN FOR ANALYSIS				
	4639.0-4645.0	LOST CORE				
10	4645.0-46.0	*	<0.1	3.7	0.0 77.9	2.70 CHAT
11	4646.0-47.0	6.9	6.5	5.0	0.0 91.5	2.76 CHAT, PYR
12	4647.0-48.0	<0.1	<0.1	1.0	0.0 94.3	2.72 CHAT, PYR
13	4648.0-49.0	*	1.3	17.4	7.9 76.4	2.81 CHAT, PYR
14	4649.0-50.0	*	0.1	5.7	9.3 82.4	2.68 CHAT
	4650.0-4652.0	TOO BROKEN FOR ANALYSIS				

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DALLAS, TEXAS

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GLEASON NO. 1-B WELL

DATE: 5/22/81
FORMATION: CHEROKEE

FILE NO: 3402-10711
ENGINEER: BOYLE

SMP. NO.	DEPTH	PERM. TO AIR MD. MAXIMUM 90 DEG	POROSITY PERCENT	FLUID SATS. OIL WTR.	GR. DEN.	DESCRIPTION
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	4652.0-4676.0	LOST CORE				