

KANEB PRODUCTION COMPANY

CHERRY CANYON NO. 2

SAND DUNES FIELD

EDDY COUNTY, NEW MEXICO

RECEIVED BY

DEC 19 1985

O. C. D.

ARTESIA, OFFICE

CORE LABORATORIES, INC.
November 7, 1985



KANEB PRODUCTION COMPANY
400 Wilco Bldg.
Midland, Texas 79701

File : 32020-14916
Subject: Core Analysis
Cherry Canyon No. 2
Sand Dunes Field
Eddy County, New Mexico

Gentlemen:

Sidewall Core Analysis was made on 6 sidewall core samples received from Gearhart.

Fluid removal and fluid saturations were determined using Dean Stark techniques.

Gas expansion porosity and grain density were determined using Boyle's Law.

Gas detection was measured using a "Hot Wire Gas Detector" on gas in the sealed jars.

Air permeability was measured horizontally on drilled sidewalls.

Descriptions and fluorescence were visually determined microscopically.

The samples are being held at our Midland lab as we await further disposition instructions.

We trust these data will be useful in the evaluation of your property and thank you for the opportunity of serving you.

Very truly yours,

CORE LABORATORIES, INC.

A handwritten signature in black ink, reading "Jack H. Neff". The signature is written in a cursive, flowing style.

Jack H. Neff
Laboratory Manager

JHN/yn

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

KANEB PRODUCTION COMPANY

CHERRY CANYON NO. 2
SAND DUNES FIELD
EDDY COUNTY, NEW MEXICO

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

DALLAS, TEXAS

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KANAB PRODUCTION COMPANY
 CHERRY CANYON NO. 2
 SAND DUNES FIELD
 EDDY COUNTY, NEW MEXICO

DATE : 10-30-85
 FORMATION : CHERRY CANYON
 DRG. FLUID: FRESH WATER
 LOCATION : 2310' FSL & 330' FWL, SEC. 24C0RES

FILE NO. : 32020-14916
 LABORATORY : MIDLAND, TEXAS
 API WELL NO.:
 : GEARHART

T-23-S, R-31-E
 SIDEWALL CORE ANALYSIS

REC IN	DEPTH FEET	PERM(KD) MD	HEL FOR	OIL% PORE	WTR% PORE	OIL% BULK	GAS% BULK	GAS DET	GRAIN DEN M	DESCRIPTION
0.5	6074.0	19.	19.1	0.0	49.1	0.0	9.7	0	2.65	SD FG GRY SL/LMY FLU-0
1.0	6077.0	42.	21.5	0.0	59.9	0.0	8.6	0	2.64	SD FG GRY FLU-0
1.0	6079.0	20.	18.8	0.0	65.0	0.0	6.6	0	2.65	SD FG GRY FLU-0
1.0	6082.0	12.	19.0	0.0	56.9	0.0	8.2	0	2.65	SD FG GRY FLU-0
1.0	6086.0	<0.01	4.1	1.5	72.0	0.1	1.1	0	2.64	SD GRY SL/SHY SHLAM FLU-T YEL
1.0	6090.0	2.9	10.2	8.1	44.1	0.8	4.9	0	2.58	SD GRY V/SHY SHLAM FLU-SF YEL

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

KANEB PRODUCTION COMPANY
CHERRY CANYON NO. 2
EDDY COUNTY, NEW MEXICO

DATE : 10-30-85
FIELD: SAND DUNES FIELD

FILE NO: 32020-14916
ANALYST: REIHEIMER

DISTRIBUTION OF FINAL REPORTS

COPIES TO:

2 cc KANEB PRODUCTION CO.
400 WILCO BLDG.
MIDLAND, TEXAS 79701
ATTN: MR. RICHARD CRAMER

2 cc KANEB OIL & GAS
P.O. BOX 4502
HOUSTON, TEXAS 77210
ATTN: MR. JOHN WILSON

2 cc POGO PRODUCING CO.
P.O. BOX 10340
MIDLAND, TEXAS 79702-7340
ATTN: MR. NED HALE

LITHOLOGICAL ABBREVIATIONS

ANH(Y)	ANHYDRITE, ANHYDRITIC	LM(Y)	LIMESTONE, LIMY
ARK	ARKOSE, ARKOSIC	MG	MEDIUM GRAINED
BAN	BAND, BANDED	MTX	MATRIX
BREC	BRECCIA, BRECCIATED	NA	INTERVAL NOT ANALYZED (AT REQUEST OF CLIENT)
CALC	CALCITE, CALCAREOUS	NOD	NODULE, NODULAR
CARB	CARBONACEOUS	OOL	OOLITIC
CG	COARSE GRAINED	PISO	PISOLITIC
CHK(Y)	CHALK, CHALKY	PP	PINPOINT POROSITY
CHT(Y)	CHERT, CHERTY	PT	PARTING
CONGL	CONGLOMERATE, CONGLOMERITIC	PYR	PYRITE, PYRITIC
CXLN	COARSELY CRYSTALLINE	SD(Y)	SANDSTONE, SANDY
DNS	DENSE	SH(Y)	SHALE, SHALY
DOL(C)	DOLOMITE, DOLOMITIC	SHR	SOLID HYDROCARBON RESIDUE
F	RANDOMLY ORIENTED FRACTURES	SL/	SLIGHTLY
FG	FINE GRAINED	SLT(Y)	SILT, SILTY
FOSS	FOSSILIFEROUS	STY	STYLOLITE, STYLOLITIC
FR	FRIABLE	SUC	SUCROSLIC
FXLN	FINELY CRYSTALLINE	SUL	SULPHUR
GAL	GALENA	TBFA	TOO BROKEN FOR ANALYSIS
GLAUC	GLAUCONITE, GLAUCONITIC	TRIP	TRIPOLITE
GRAN	GRANITE	V/	VERY
GYP	GYPSUM, GYPSIFEROUS	VF	PREDOMINANTLY VERTICALLY FRACTURED
HF	PREDOMINANTLY HORIZONTALLY FRACTURED	V	VUGULAR
INC	INCLUSION	XBD	CROSSEDDED
INTBD	INTERBEDDED	XLN	MEDIUM CRYSTALLINE
LAM	LAMINATED	XTL	CRYSTAL

THE FIRST WORD IN THE DESCRIPTION COLUMN OF THE CORE ANALYSIS REPORT DESCRIBES THE ROCK TYPE. FOLLOWING ARE ROCK MODIFIERS IN DECREASING ABUNDANCE AND MISCELLANEOUS DESCRIPTIVE TERMS.