CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

POGO PRODUCING COMPANY

BRANTLEY FEDERAL NO. 1
WILDCAT
EDDY COUNTY, NEW MEXICO

PRELIMINARY PRINT

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DATE : 12-10-80
FORMATION : DELAWARE
DRLG. FLUID: MUD
LOCATION : 580' FNL & 2130' FWL, SEC. 23, T-26-S, R-28-E

FILE NO : 3202-12054
ANALYSTS : DEVIER
LABORATORY: MIDLAND TEXAS

CONVENTIONAL PLUG ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM MAXIMUM	FLD POR	OIL% PORE	WTR% PORE	DESCRIPTION
	CORE NO. 1 2582.0-2639.0 CUT 57' REC 58'					
	2582.0- 3.0					NA SD VFG SHY SL/MICA
1	2603.0- 4.0	0.04	8.8	0.0	81.7	SD VFG SL/SHY SHLAM
2	2604.0- 5.0	0.06	9.8	0.0	77.6	SD VFG SL/SHY SHLAM
3	2605.0- 6.0	0.03	9.6	0.0	79.9	SD VFG SL/SHY
4	2606.0- 7.0	0.04	9.7	0.0	75.8	SD VFG SL/SHY
5	2607.0- 8.0	0.05	11.6	0.0	71.5	SD VFG SL/SHY
6	2608.0- 9.0	0.04	11.5	0.0	74.3	SD VFG SL/SHY
7	2609.0-10.0	0.03	10.9	0.0	74.6	SD VFG SL/SHY
8	2610.0-11.0	0.03	8.6	0.0	85.6	SD VFG SL/SHY
9	2611.0-12.0	0.02	7.7	0.0	89.1	SD VFG SL/SHY
10	2612.0-13.0	<0.01	9.2	0.0	81.2	SD VFG SL/SHY
11	2613.0-14.0	<0.01	8.1	0.0	85.8	SD VFG SL/SHY
12	2614.0-15.0	0.01	9.4	0.0	83.6	SD VFG SL/SHY
13	2615.0-16.0	0.01	10.2	0.0	82.9	SD VFG SL/SHY
14	2616.0-17.0	0.04	15.7	0.0	68.8	SD VFG SL/SHY
15	2617.0-18.0	0.26	16.3	0.0	68.1	SD VFG SL/SHY
16	2618.0-19.0	1.2	16.6	0.0	73.6	SD VFG SL/SHY
17	2619.0-20.0	1.9	16.5	0.0	72.0	SD VFG SL/SHY
18	2620.0-21.0	0.23	14.4	0.0	77.0	SD VFG SL/SHY
19	2621.0-22.0	1.2	16.8	0.0	69.2	SD VFG SL/SHY
20	2622.0-23.0	0.63	13.5	0.0	56.2	SD VFG SL/SHY
21	2623.0-24.0	1.9	17.7	0.0	68.0	SD VFG SL/SHY
22	2624.0-25.0	1.5	18.0	0.0	71.8	SD VFG SL/SHY
23	2625.0-26.0	1.0	18.9	0.0	73.6	SD VFG SL/SHY

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SAMPLE NUMBER	DEPTH FEET	PERM MAXIMUM	FLD POR	OIL% PORE	WTR% PORE	DESCRIPTION
24	2626.0-27.0	1.2	20.0	0.0	69.1	SD VFG SL/SHY
25	2627.0-28.0	1.1	18.7	0.0	71.3	SD VFG SL/SHY
26	2628.0-29.0	1.3	19.2	0.0	71.2	SD VFG SL/SHY
27	2629.0-30.0	0.58	17.4	0.0	75.8	SD VFG SL/SHY
28	2630.0-31.0	22.	25.9	0.0	69.9	SD VFG SL/SHY
29	2631.0-32.0	79.	26.6	0.0	70.8	SD VFG
30	2632.0-33.0	0.56	25.1	0.0	70.0	SD VFG SL/SHY
31	2633.0-34.0	62.	25.6	0.0	72.5	SD VFG
32	2634.0-35.0	0.59	20.4	0.0	89.9	SD VFG SL/SHY
33	2635.0-36.0	21.	24.0	0.0	71.7	SD VFG SL/SHY
34	2636.0-37.0	98.	25.7	0.0	73.5	SD VFG SL/SHY
35	2637.0-38.0	36.	26.1	0.0	73.9	SD VFG SL/SHY
36	2638.0-39.0	50.	22.5	0.0	74.2	SD
37	2639.0-40.0	1.5	18.3	0.0	71.3	SD VFG SL/SHY

LITHOLOGICAL ABBREVIATIONS

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