Schlumberger

COMPUTER PROCESSED LOG

An Advanced Synergetic* Log System

CORIBAND*

Using the following logs:

FDC/CNL, BHC, MLL, DIL

COMPANY MITCHELL ENERGY CORPORATION

WELL STRAIGHT-WISEMANDLE UNIT #1-8

FIELD WILDCAT

COUNTY GALLIA

STATE OHIO

DATE LOGGED 11/22/79 DATE COMPUTED 12/12/79

LOCATION 3100' FNL & 740' FWL

SEC. 35 TWP. HARRISON

ELEVATION KB 921 DF - GL 910 API NO.

U. S. DEPARTMENT OF ENERGY
MORGANTOWN ENERGY TECHNOLOGY CENTER
EASTERN GAS SHALES PROJECT
[illegible]
MORGANTOWN, W.VA. 26505

SWS—1749 C

* A MARK OF SCHLUMBERGER

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

This SYNERGETIC* LOG presentation was computed using CORIBAND*— Analysis of Complex Reservoirs

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Field Recording	Engineer: GIRELL	Truck No: 7715	Location: WOOSTER	C.C. Job No. 6427,60362
Office Recording	Comp. Center: NECC	Program No: COR13	Analyst: PURCELL	
Mud Measurements	R_m .14 @ 67 °F	R_{mf} - @ - °F	BHT = 84 °F	Bit Size 7.875

COMPUTATION PARAMETERS

Depth Interval		R_w	R_w Temp	Mineral Pair	Δt_{cl}	PHI N_{cl}	ρ_{Bcl}	GR sd	GR cl	$V_{cl}{}^n$	ρ_{hy}
From	To										
3036	3020	.06	84	LIME/DOL	90	30	2.69	20	180	2	.3
3020	2640	.07	83	LM/SAND	118	45	2.52	20	180	2	.3
2490	1973	.07	83	LM/SAND	118	45	2.52	20	180	2	.3
1973	1824	.09	73	LM/SAND	91	36	2.70	20	180	2	.3
1824	1030	.25	72	LM/SAND	88	36	2.70	20	180	2	.3
1030	533	.25	64	LM/SAND	90	35	2.70	20	180	2	.3

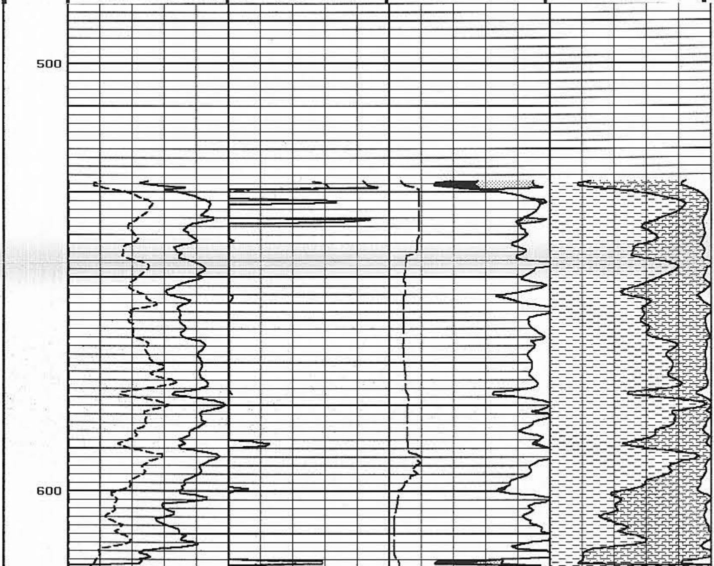
Remarks Variable "m" used ☐ YES ☒ NO

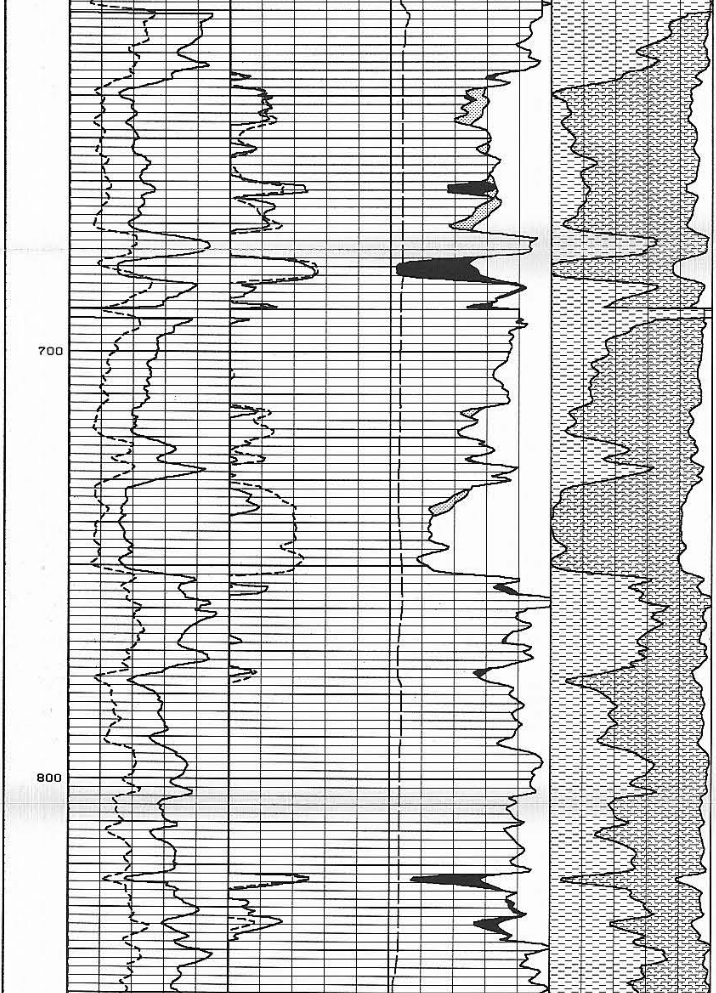
M=2 3036-1973 0 TOTAL = 0 EFFECTIVE + VOLUME KEROGEN

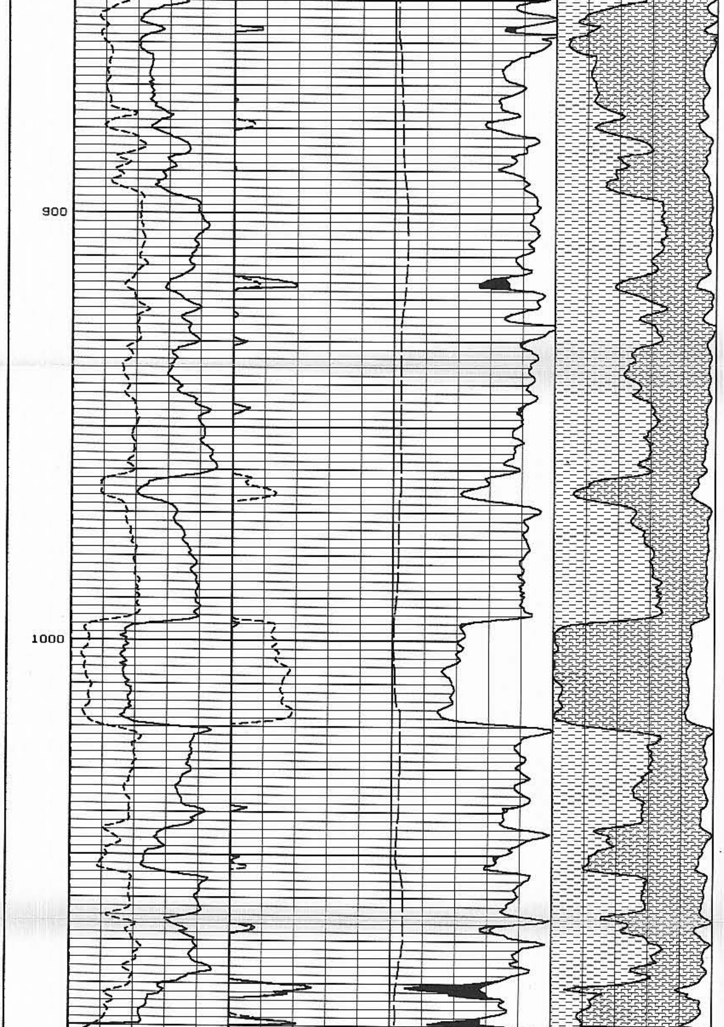
M=2.15 1973-533

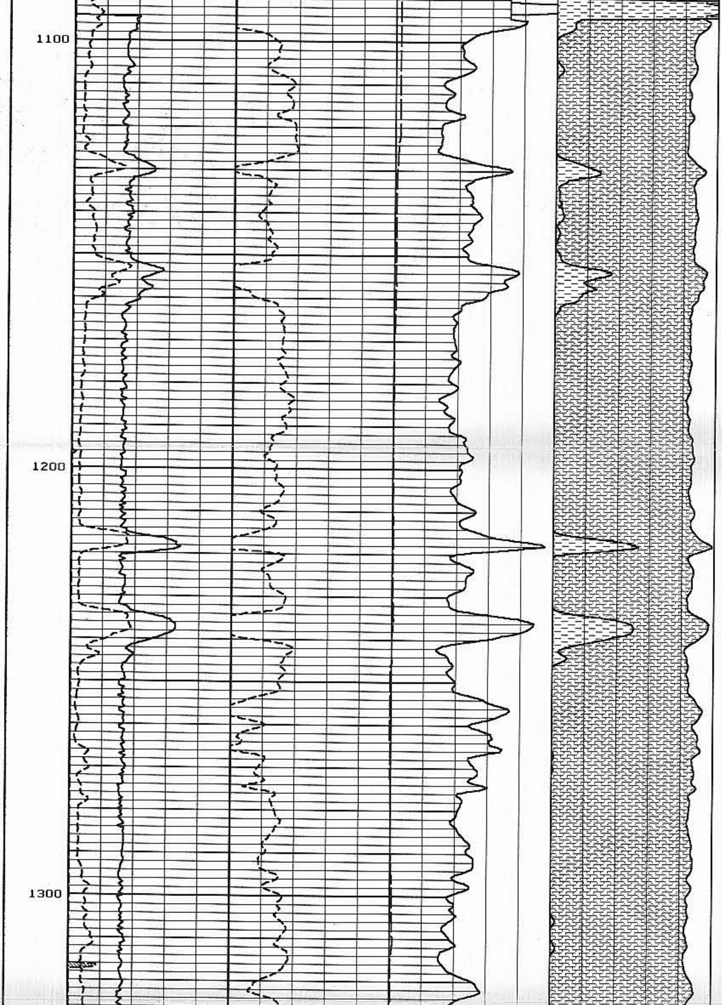
NOTE: HOLE CONDITIONS FROM 2640 TO 2490; WASHED OUT HOLE & THE DENSITY TOOL WAS NOT MAKING GOOD PAD CONTACT. THEREFORE THE COMPUTATIONS WERE NOT MADE OVER THIS INTERVAL. THE DENSITY WAS RECONSTRUCTED FROM OFF SET WELL AND PRESENTED AS A REPEAT SECTION.

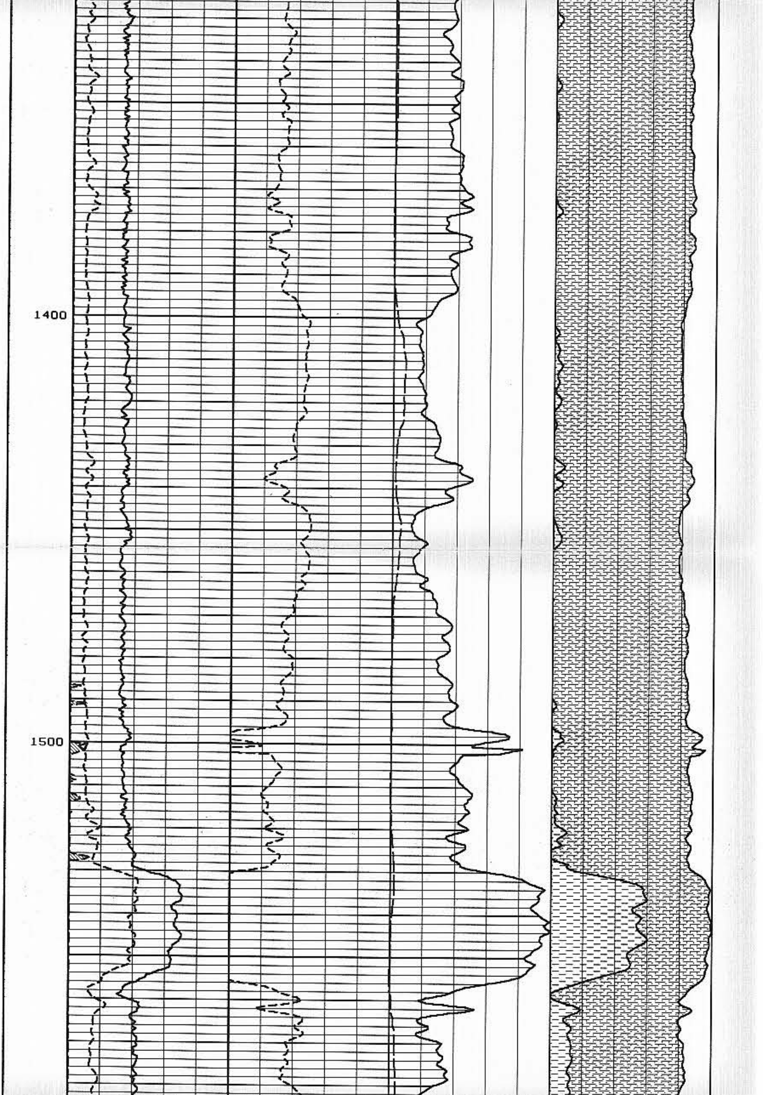
DEPTH	FORMATION CHARACTERISTICS	PRODUCTION CHARACTERISTICS	POROSITY AND FLUIDS ANALYSIS BY VOLUME	FORMATION ANALYSIS BY VOLUME
	▨ Secondary Porosity 0 % 25	Water Saturation 100 % 0	■ Hydrocarbon ▒ Moved Hydrocarbon Water PHI 25 % 0	KEROGEN ▤ Clay ▒ other Matrix PHI 100 % 0
	Average Grain Density 2.5 gm/cc 3.0	Caliper (—) Bit Size −4 0 inches 12		
	GAMMA RAY API 0 300	Intrinsic Permeability Index .1 1 10 10^2 10^3 10^4	Ø TOTAL 25 0	

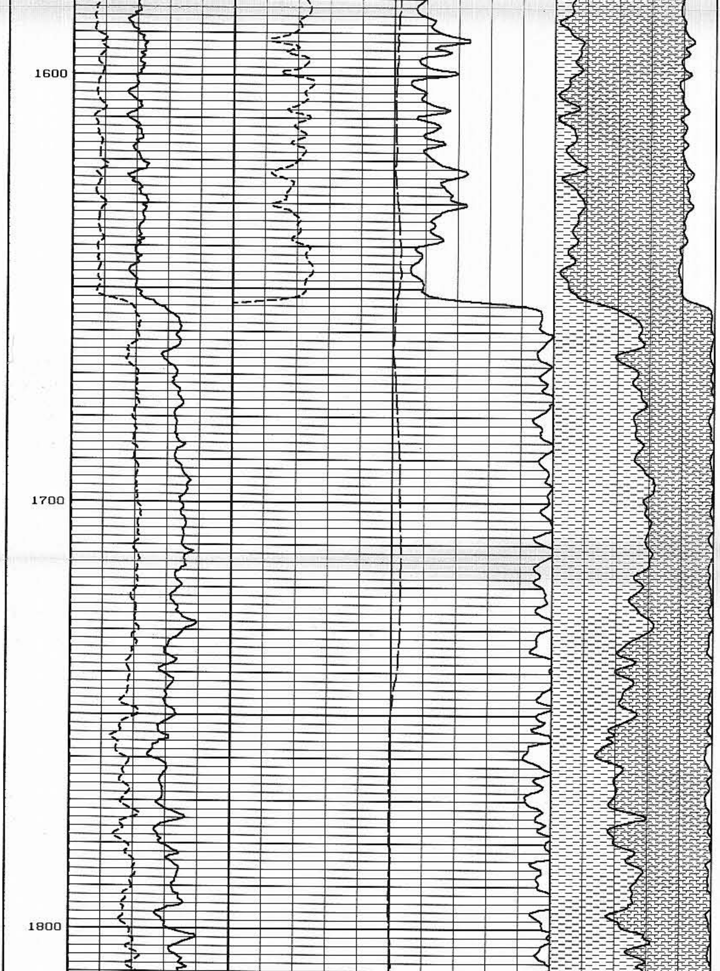


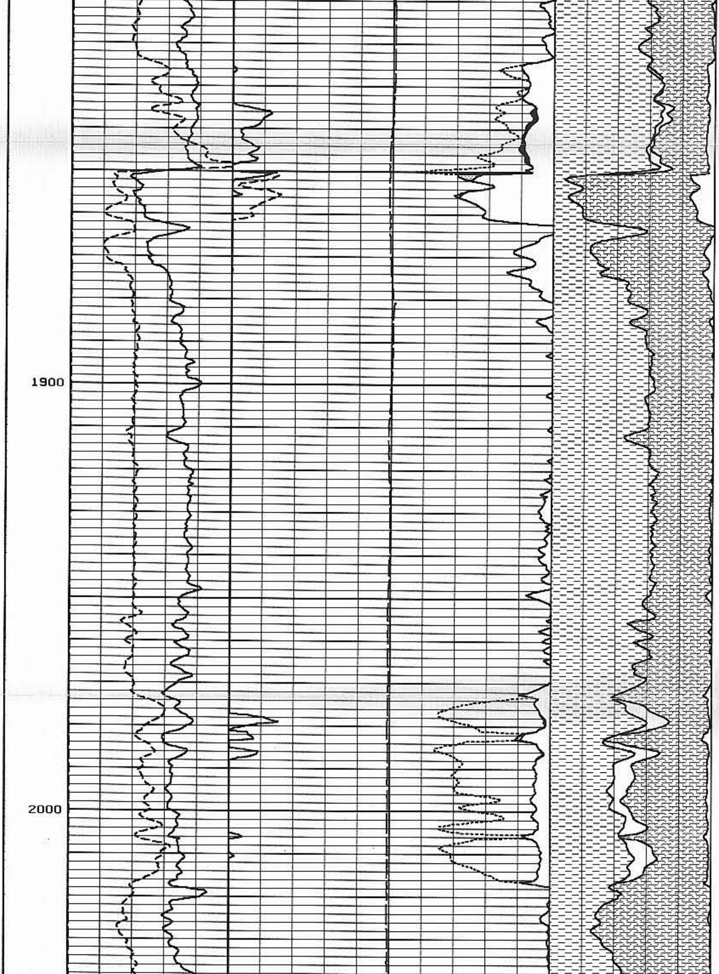


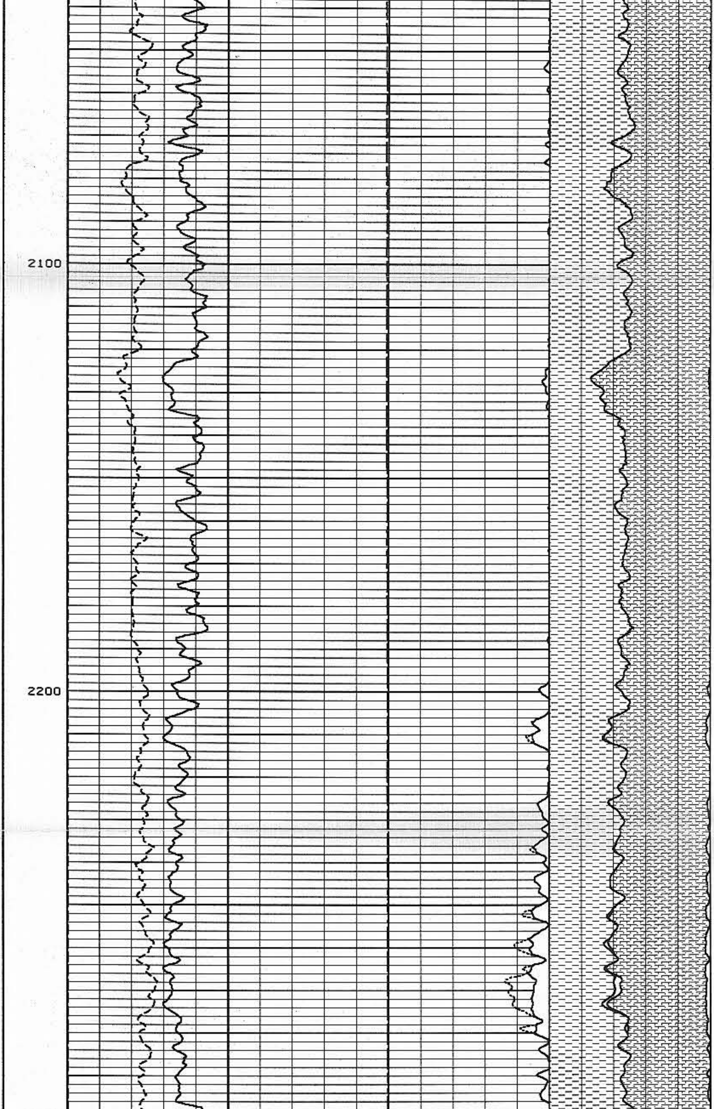


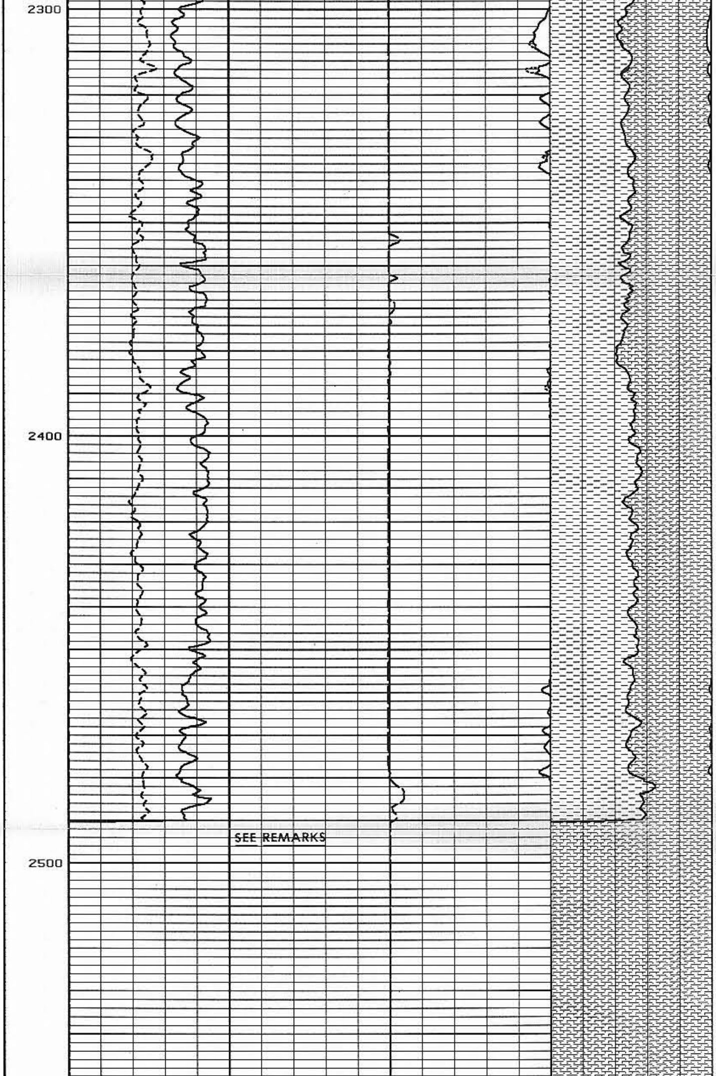


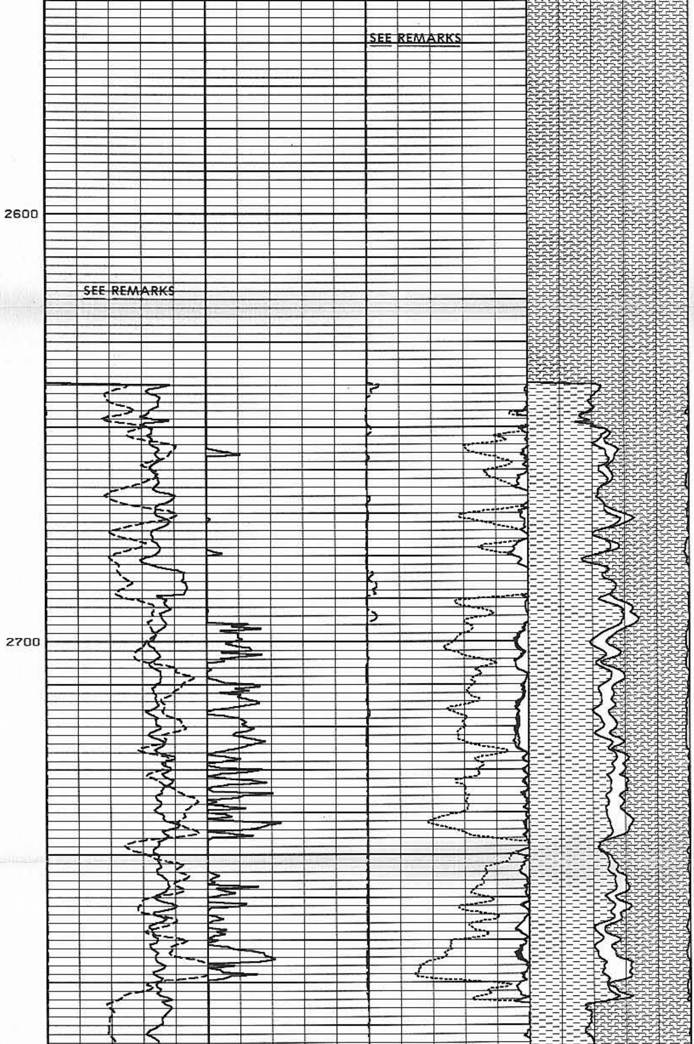


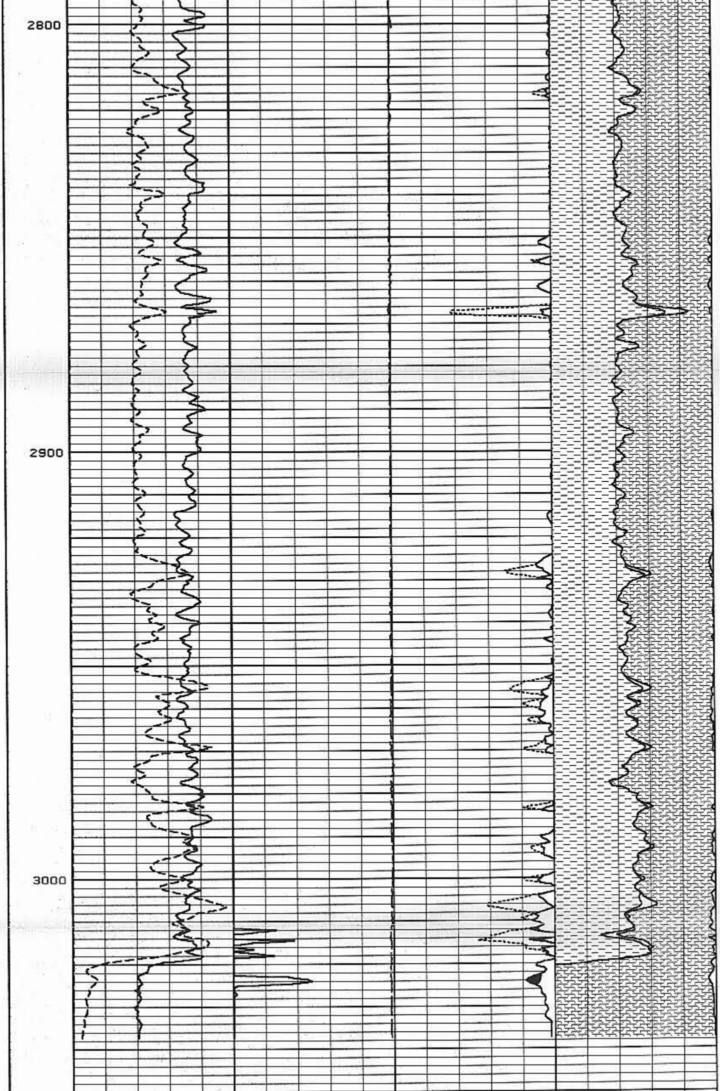


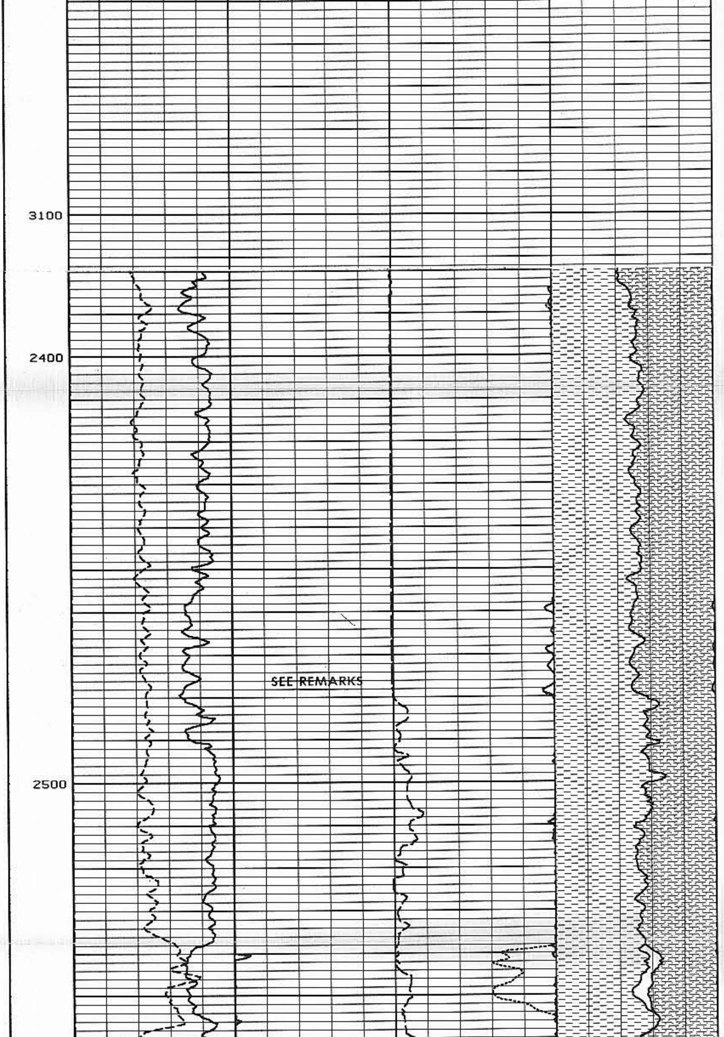


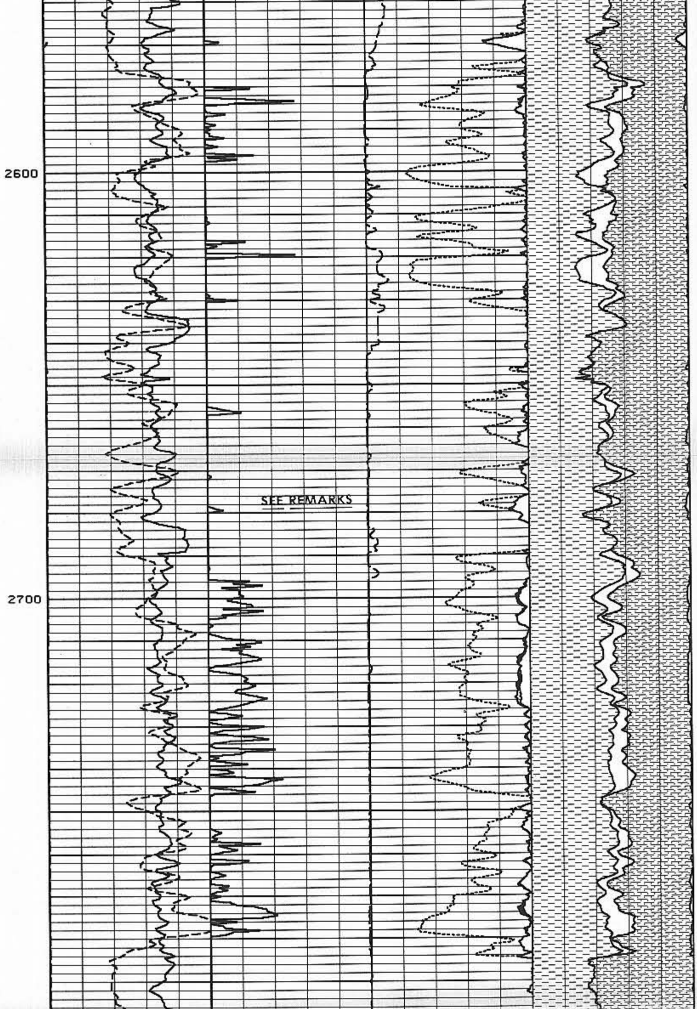


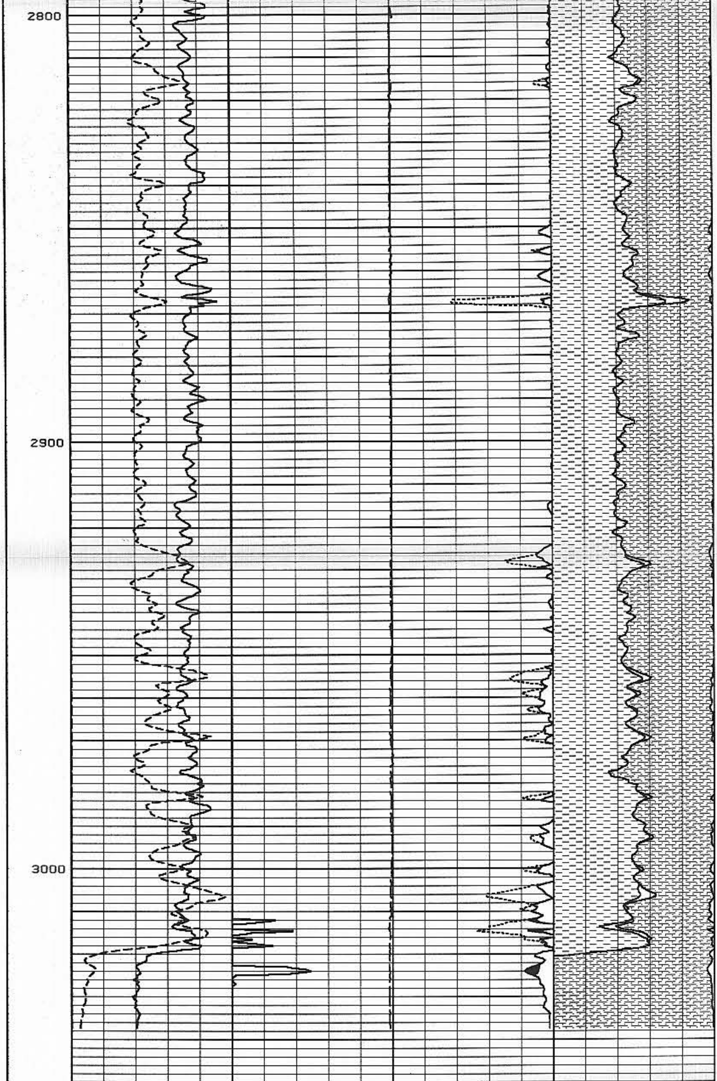


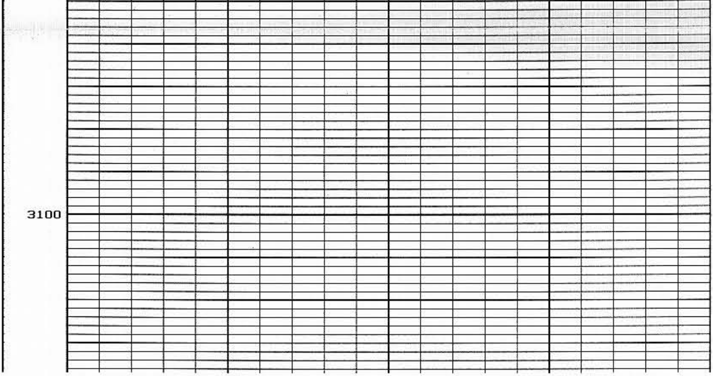












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RHOG         YES        2.50000           3.00000     1        H SOLID   /LIN
GR           YES        0.00000         300.00000     1        H DASHED  /LIN
XKI          YES        0.09999       10000.00000     2        H DASHED  /LOG
SW           YES      100.00000           0.00000     2        H SOLID   /LIN
DCAL         YES    -  20.00000          20.00000    2&3       H LG-DSH  /LIN
PHI1         YES       25.00000           0.00000     3        H SOLID   /LIN
PSW          YES       25.00000      -   25.00000    3&4       H SOLID   /LIN
PSXO         YES       25.00000      -   25.00000    3&4       H SOLID   /LIN
PHIT         YES       25.00000           0.00000     3        H DOTTED  /LIN
VSH          YES        0.00000         100.00000     4        H SOLID   /LIN
VKER         YES        0.00000         100.00000     4        H SOLID   /LIN
PHI2         YES      100.00000           0.00000     4        H SOLID   /LIN

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                        LEFT         RIGHT
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CURVE      ALLOWED            SCALE               TRACK       TRACE/TRANSFORM
                     ***** FILE EDIT  .001 *****
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LGR VERSION 010.H03                                    LGR VERSION 010.H03
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