Schlumberger

COMPUTER PROCESSED LOG

An Advanced Synergetic Log System

CORIBAND®

Processed by the Schlumberger Well Services Computing Center

FIELD ... PINE HOLLOW ... BLOCK ...
COUNTY, PARISH ... LEA ... STATE ... NEW MEXICO
API SERIAL NO. ... 30-025-27...
LOCATION ... 1650' FNL & 1650' FEL
SEC. ... 26 ... TWP. ... 16S ... RGE. ... 32E
PERMANENT DATUM ... GROUND LEVEL ... ELEV. ... 4165
LOG MEASURED FROM ... KB ... 12 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM ... KB
DATE ... 10-15-82
RUN NO. ... ONE
DEPTH-DRILLER ... 12,000
DEPTH-LOGGER ... 12,000
BTM. LOG INTERVAL ... 11,995
TOP LOG INTERVAL ... 9,000
CASING-DRILLER ... 8 5/8" @ 1,500
CASING-LOGGER ... 1,500
BIT SIZE ... 7 7/8"
TYPE FLUID IN HOLE ... SALT GEL
DENS. ... 10.0
VISC. ... 38
PH ... 10.5
FLUID LOSS ... 6.0
SOURCE OF SAMPLE ... CIRC.
RM @ MEAS. TEMP. ... .14 @ 70°F
RMF @ MEAS. TEMP. ... .10 @ 70°F
RMC @ MEAS. TEMP. ... .18 @ 70°F
SOURCE OF RMF ... RMC
RM @ BHT ... .07 @ 200°F
TIME SINCE CIRC. ... 24 HRS.
MAX. REC. TEMP. ... 200°F
EQUIP. NO. & LOCATION ... 1111 - 1234
RECORDED BY ... R. JONES
WITNESSED BY ... J. SMITH

ALL LOGS ...

No well name, location and borehole reference data were furnished by the customer.

This SYNERGETIC® LOG presentation was computed using

CORIBAND® — Analysis of Complex Reservoirs

Log interpretation principles/recommendations are based on opinions and experience of the engineers and analysts of the company and not all will necessarily agree in the case of a specific application or use, or that he will not himself develop interpretations or recommendations which are different from those set forth in this publication. The company and its agents and employees assume no responsibility for errors or omissions in the interpretations made by its customers from the company's logs or for any consequences of such errors or omissions.

Field Engineer	Engineering Assistant	Depth Type	Log Interval	Casing Type	Casing Bit Size	Casing Depth
Office Recording	Comp. Center 1111	Program No. 555	12 Avalon 2000/11	11477 - 10714		
Final Recording	Rig 12	API Ref. No.	12 Bell 2000	10714 - 9000		

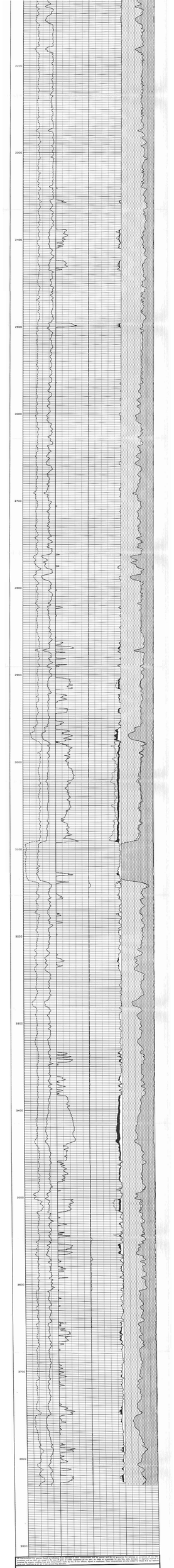
COMPUTATION PARAMETERS

Depth Interval From	To	R_w	R_w Temp	Matrix Density ρ_{ma}	P_{ef}	R_{mf} (Meas. Temp.)	R_{mc}	R_{xo}/R_t	CEC of Q_v	α or a	m or m^*	n or n^*
11477	11210	.05	68	2.710 (SS)	0.9	0.10	0.18	2.5	100	1	2	2
11210	10714	.05	68	"	0.9	0.10	0.18	2.5	100	1	2	2
10714	9700	.11	82	"	"	"	"	"	"	1	2	2
9700	9351	.1175	"	"	0.9	0.10	0.18	2.5	100	1	2	2

Remarks: Variable "m" used in 9515' to 9470' zone

DEPTH	FORMATION CHARACTERISTICS	PRODUCTION CHARACTERISTICS	POROSITY AND FLUIDS ANALYSIS BY VOLUME	FORMATION ANALYSIS BY VOLUME
	Secondary Porosity % 0 — 30	Water Saturation % 100 — 0	Adjusted Hydrocarbon Fill / Adjusted Water Fill % 100 — 0	Clay / Matrix / Fill % 100 — 0
	Average Grain Density gm/cc 2.5 — 3.0	Calcium + Ion Size inches 12 — 6		
	Lithology Analysis Matrix Grains 0 — 100	Lithology Analysis Fluid Filled Pores 0 — 100	ϕ TOTAL 25 — 0	

9000
9050
9100
9150
9200
9250
9300
9350
9400
9450
9500
9550
9600
9650
9700
9750
9800
9850
9900
9950
10000
10050
10100
10150
10200
10250
10300
10350
10400
10450
10500
10550
10600
10650
10700
10750
10800
10850
10900
10950
11000
11050
11100
11150
11200
11250
11300
11350
11400
11450
11500
11550
11600
11650
11700
11750
11800
11850
11900
11950
12000



The measurements and interpretations expressed in this report 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 are not, and no one who relies on the results of any of our reports or other services will be, liable or responsible for any loss, costs, damages or expenses in connection with such reliance, whether caused by our negligence or otherwise. In no case shall Schlumberger be liable for special, incidental or consequential damages.

COMPANY DOMINGUE, ANETTE & MORELLI

WELL VALLEY VISTA VIEW #1

FIELD WILDCAT

COUNTY STEUBEN STATE NEW YORK

Schlumberger