COMPANY: ENERFIN RESOURCES NORTHWEST

WELL: JOHN HANCOCK 22-27-64

FIELD: MIST GAS

COUNTY: COLUMBIA **STATE:** OREGON

COUNTY: COLUMBIA
Field: MIST GAS
Location: 1979'S & 2432'E FROM THE NW
Well: JOHN HANCOCK 22-27-64
Company: ENERFIN RESOURCES NORTH

Schlumberger

CEMENT BOND LOG
NEUTRON /CCL

LOCATION			
1979'S & 2432'E FROM THE NW CORNER OF SECTION 27	Elev.:	K.B. G.L. D.F.	1001.8 F 991.8 F
Permanent Datum: GROUND LEVEL	Elev.:	991.8 F	
Log Measured From: KELLY BUSHING	10.0 F	above Perm. Datum	
Drilling Measured From: KELLY BUSHING			

API Serial No.	SECTION	TOWNSHIP	RANGE
36-009-00333	26	6N	4W

Logging Date	8-NOV-1998	
Run Number	2	
Depth Driller	1863 F	
Schlumberger Depth	1855 F	
Bottom Log Interval	1850 F	
Top Log Interval	400 F	
Casing Fluid Type	Water	
Salinity	120 PPM	
Density	8.3 LB/G	
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size	6.250 IN	
From		
To		
Casing/Tubing Size	2.875 IN	
Weight	6.5 LB/F	
Grade		
From	1863 F	
To	0 F	
Maximum Recorded Temperatures	75 DEGF	
Logger On Bottom Time	8-NOV-1998	13:00
Unit Number Location	3152 BAKERSFIELD	
Recorded By	Jason Gendur	
Witnessed By	Rob Lucas	

	Run 1	Run 2
Oil Density		
Water Salinity	120 PPM	
Gas Gravity		
Bo		
Bw		
1/Bg		
Bubble Point Pressure		
Bubble Point Temperature		
Solution GOR		
Maximum Deviation		
CEMENTING DATA		
Primary/Squeeze	Primary	
Casing String No	1	
Lead Cement Type		
Volume		
Density		
Water Loss		
Additives		
Tail Cement Type		
Volume		
Density		
Water Loss		
Additives		
Expected Cement Top	400 F	

Logging Date		
Run Number		
Depth Driller		
Schlumberger Depth		
Bottom Log Interval		
Top Log Interval		
Casing Fluid Type		
Salinity		
Density		
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size		
From		
To		
Casing/Tubing Size		
Weight		
Grade		
From		
To		
Maximum Recorded Temperatures		
Logger On Bottom Time		
Unit Number Location		
Recorded By		
Witnessed By		

Run 3

Run 4

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.

OTHER SERVICES1	OTHER SERVICES2
OS1	OS1:
OS2	OS2:
OS3:	OS3:
OS4:	OS4:
OS5	OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Thank you for choosing Schlumberger!	
Your crew today is Forehand & Wright.	

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION		8C1-205	PROGRAM VERSION		
FLUID LEVEL			FLUID LEVEL		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1

RUN 2

SURFACE EQUIPMENT

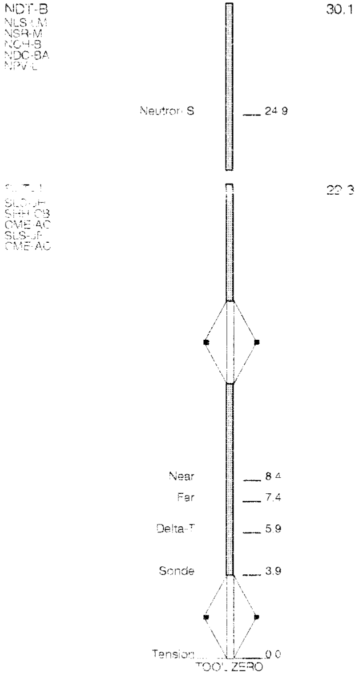
ADV-AB
SVV-AA
NOS-NB

DOWNHOLE EQUIPMENT

MH-22
MH-22
36.7

CAL-Q
CAL-Q
CCL — 34.4
35.1

SGT-G
SHH-CA
SGD-R
SGC-LAA
Gamma Ray — 31.1
33.6



MAXIMUM STRING DIAMETER 2.92 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Input DLIS Files

DEFAULT	SLTJ .014	FN:12	FIELD	08-Nov-1998 14:50	1853.0 FT	359.6 FT

Output DLIS Files

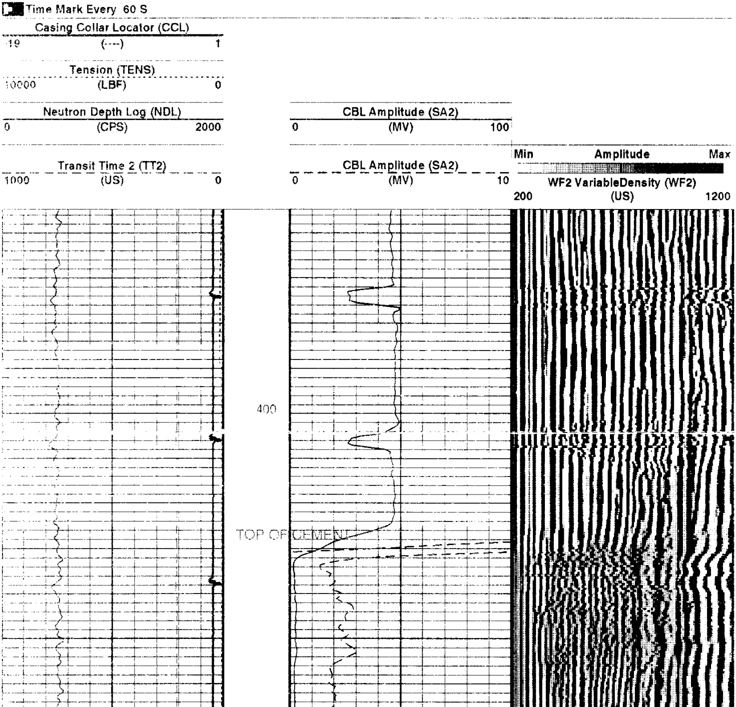
DEFAULT	SLTJ .017	FN:15	FIELD	08-Nov-1998 16:07	1847.5 FT	354.5 FT

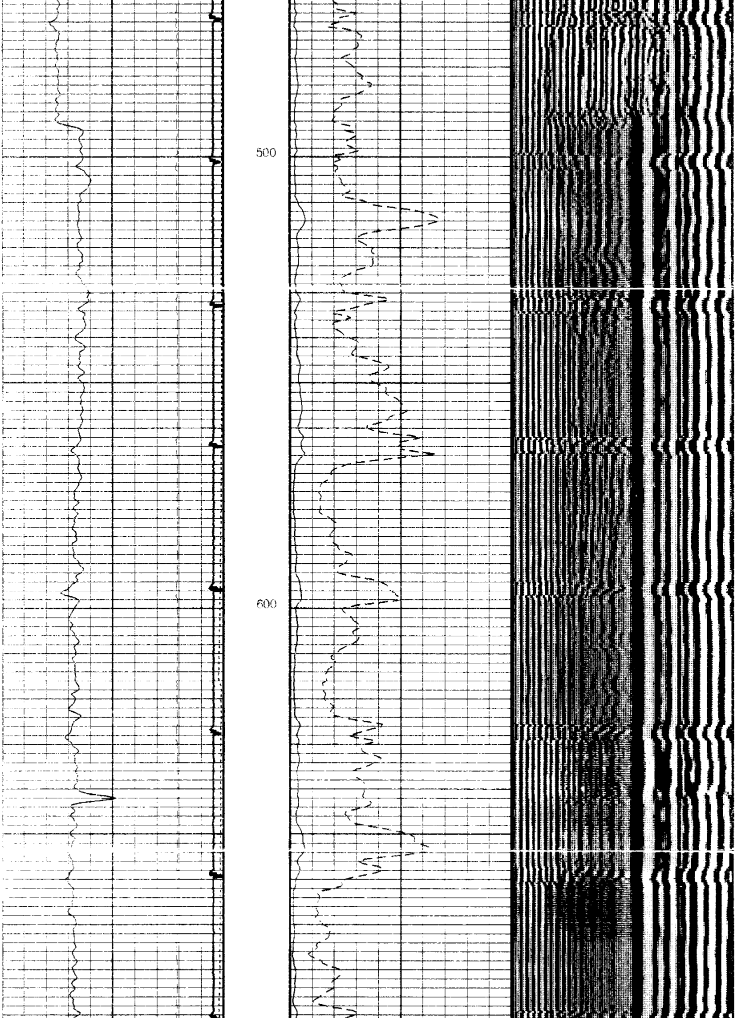
OP System Version: 8C1-205

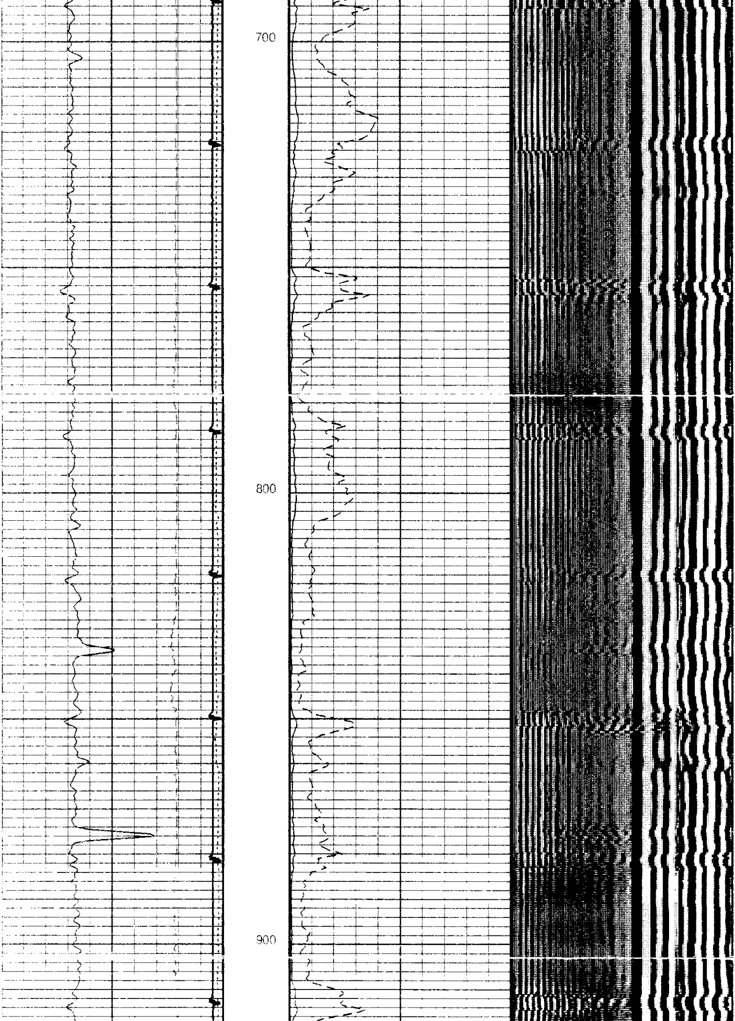
MCM

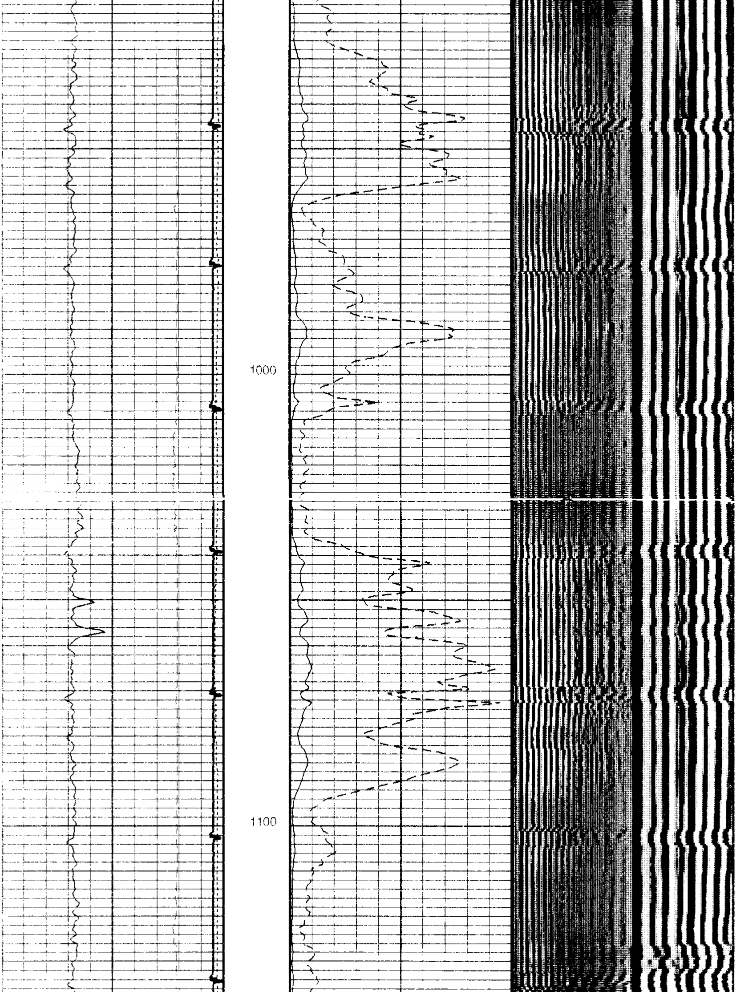
SLT-J	APCW-98Q2	NDT-B	APCW-98Q2
SGT-G	APCW-98Q2	CAL-Q	APCW-98Q2

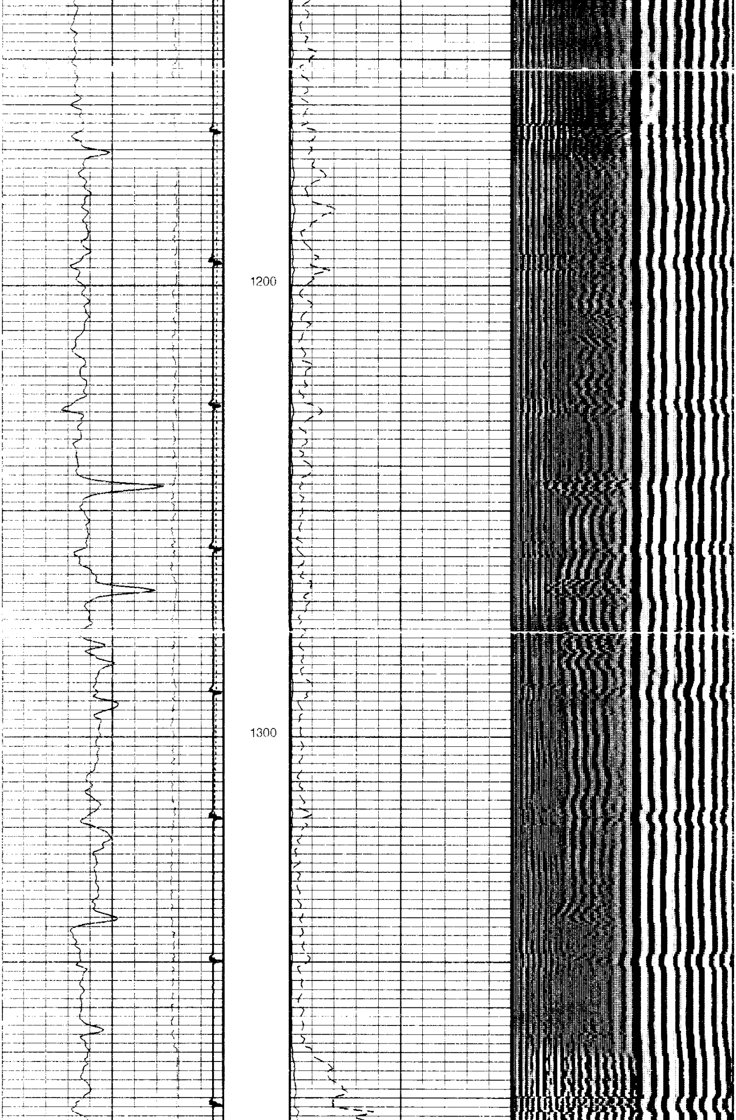
PIP SUMMARY

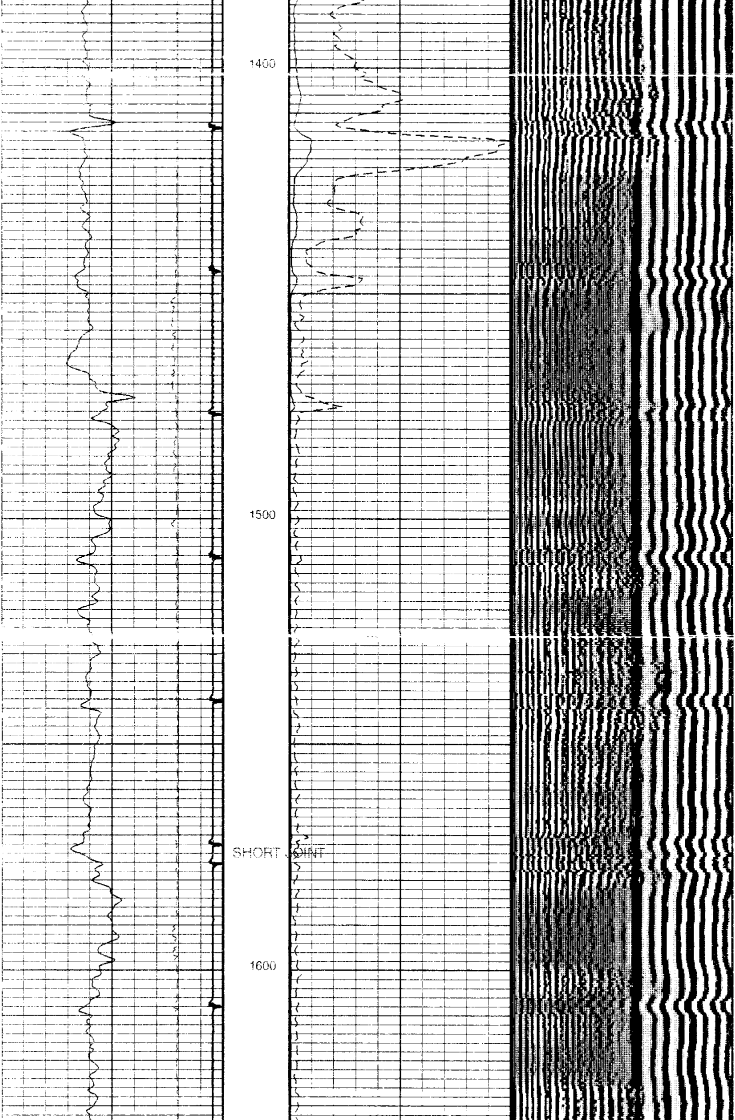


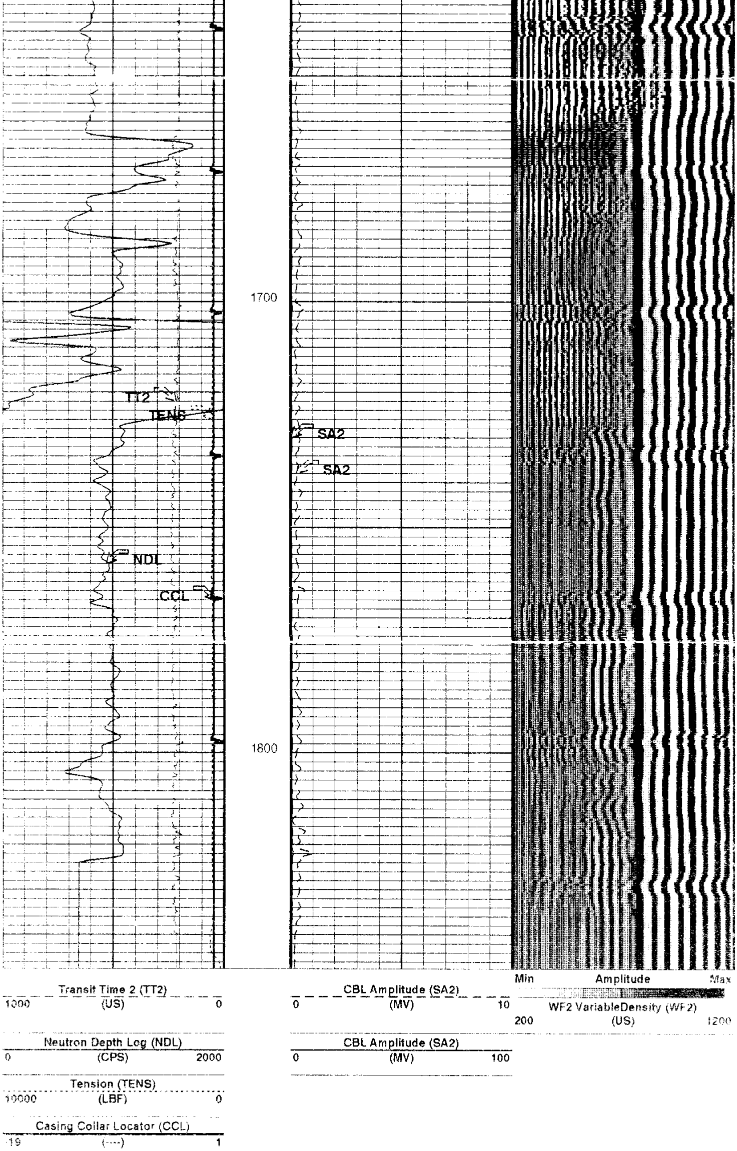












PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
CCLD	CCL reset delay	12	IN
CCLT	CCL detection level	0.3	V
DO	Depth Offset	-5.5	FT
PP	Playback Processing	NORMAL	

Format: VDL2 Vertical Scale: 5" per 100' Graphics File Created: 08-Nov-1998 16:07

OP System Version: 8C1-205

MCM

SLT-J	APCW-98Q2	NDT-B	APCW-98Q2
SGT-G	APCW-98Q2	CAL-Q	APCW-98Q2

Input DLIS Files

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Output DLIS Files

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COMPANY: **ENERFIN RESOURCES NORTHWEST**

WELL: **JOHN HANCOCK 22-27-64**
FIELD: **MIST GAS**
COUNTY: **COLUMBIA**
STATE: **OREGON**

BOTTOM LOG INTERVAL	[illegible]
SCHLUMBERGER DEPTH	1855 F
DEPTH DRILLER	1863 F
KELLY BUSHING	[illegible]
DRILL FLOOR	
GROUND LEVEL	[illegible]

Schlumberger

CEMENT BOND LOG
NEUTRON /CCL