Welex

THERMAL MULTIGATE DECAY LOG
(TMD)
FRESH OPTION

COMPANY REICHHOLD ENERGY
WELL PAUL No. 34-32
FIELD MIST
COUNTY COLUM. STATE ORE

COMPANY REICHHOLD ENERGY
WELL PAUL No. 34-32
FIELD MIST
COUNTY COLUMBIA STATE OREGON

Location:
N/A

Sec. N/A Twp. N/A Rge. N/A

Other Services:
T.T.B.P.

RECEIVED - PTLD
AUG 26 1985
DEPT. OF GEOLOGY

Permanent Datum GL Elev. N/A
Log Measured From KB 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. N/A
D.F.
G.L. N/A

Date	10-27-83			
Run No.	ONE			
Depth — Driller	2609			
Depth — Welex	2609			
Btm. Log Inter.	2599			
Top Log Inter.	2300			
Type Fluid in Hole	AIR			
Salinity ppm NaCl	N/A			
Density lb./gal.	N/A			
Level	DRY			
Max. Rec. Temp.	140			
Opr. Rig Time	4 HOURS			
Equip. | Location	9430 | WDLND	|	|	|
Recorded by	JORDAN, JACKSON			
Witnessed by	STINSON			

Borehole Record			Casing & Tubing Record			
Bit	From	To	Size	Weight	From	To
6 1/4	497	N/A	8 5/8	24	SURFACE	497
			4 1/2	10.5	SURFACE	2676
			2 3/8	4.7	SURFACE	2483

API NO.

EQUIPMENT DATA

SOFTWARE VERSION NO.

GAMMA RAY			
Run No.	ONE		
Tool Model No.	395		
Diameter	1 11/16		
Detector Model No.	N/A		
Type	SCINT		
Length	6		
Distance to N. Source	N/A		

GENERAL			
Hoist Truck No.	9430		
Instrument Truck No.	3021		
Tool Serial No.	106332		

TMD			
Run No.	ONE		
Log Type	TMD		
Tool Model No.	395		
Diameter	1 11/16		
Detector Model No.	N/A		
Type - SS	SCINT		
Type - LS	SCINT		
Source Model No.	A-320A		
Serial No.	106332		
Spacing	N/A		
Type	D-T		
Strength	1×10^8 n/sec		

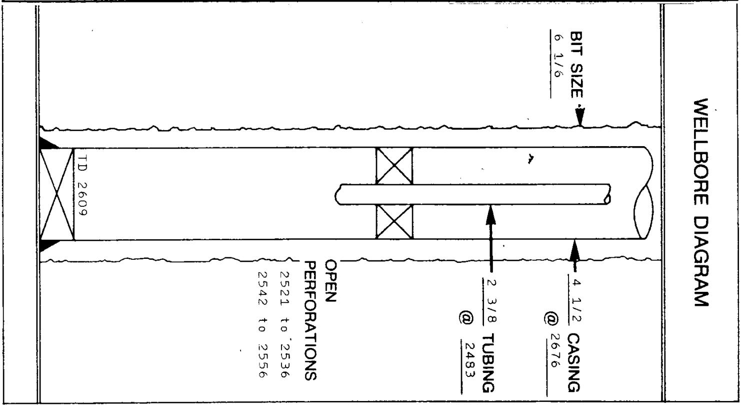
LOGGING DATA

GENERAL				GAMMA RAY				TMD			
Run No.	Depth		Speed Ft./Min.	Filter Type B or A	Sens. Settings	Zero Div. L or R	API G.R. Units Per Log Div.	Input Filter Type B or A	Output Filter (Σ_{FM} only) Y or N	Borehole Option Fresh or Salt	$R_{N/F}$ Sensitivity
	From	To									
ONE	2609	2300	18	A	.38641	L	15	A	Y	FRESH	1.0498

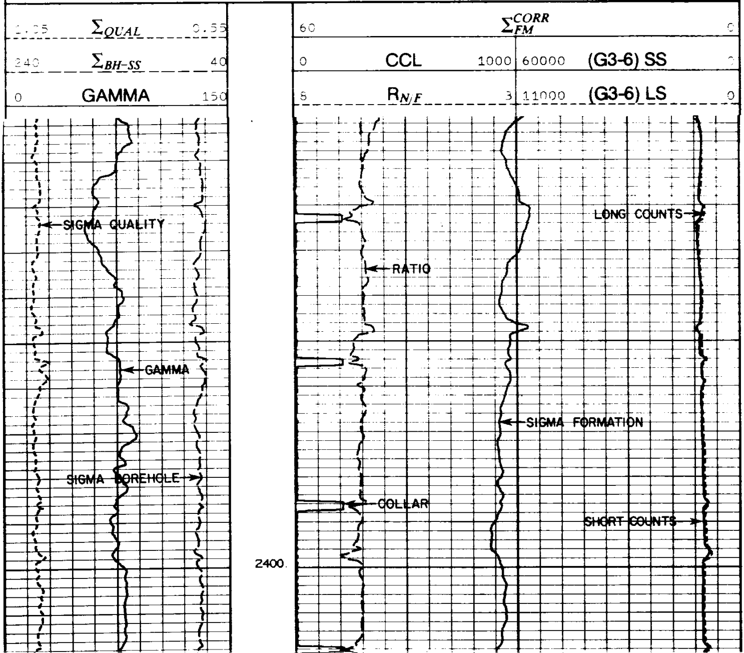
Reference Literature:

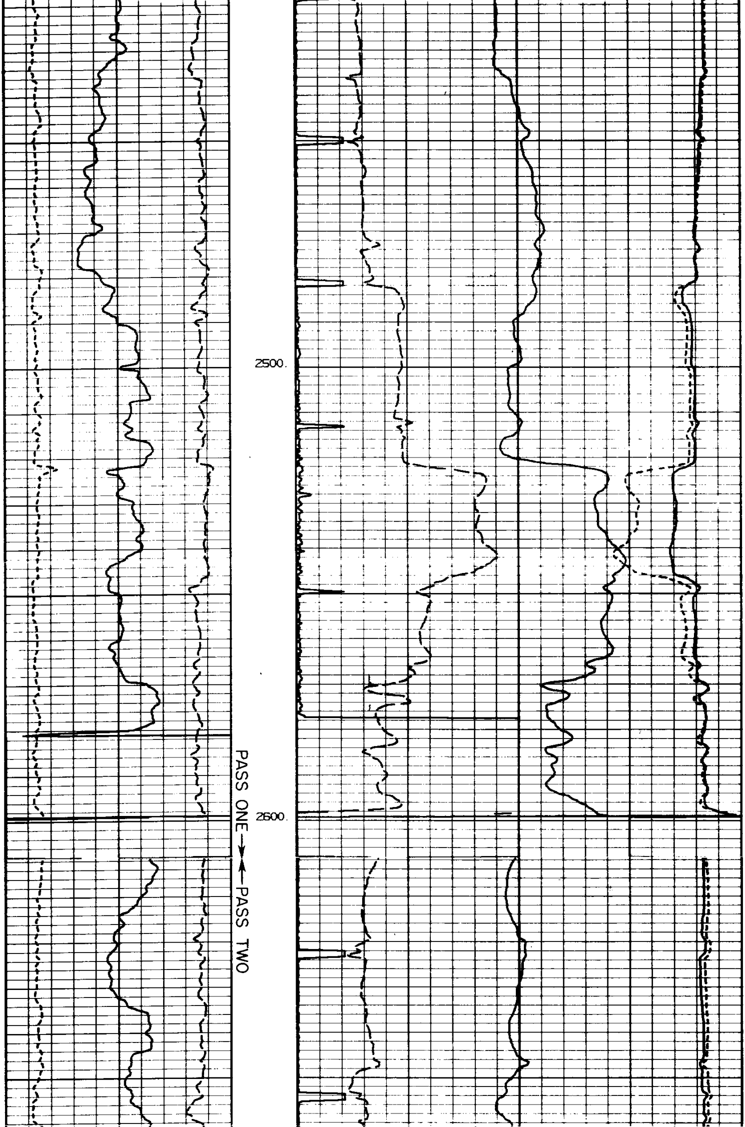
Service Ticket No. 154302 Remarks: EW= 33 E SW= 35 E HC= 2.5 BH= GAS FILLED
DRAFTED BY — JOHN YAECK CALCULATION OPTION 3 AVG 0 = 30%

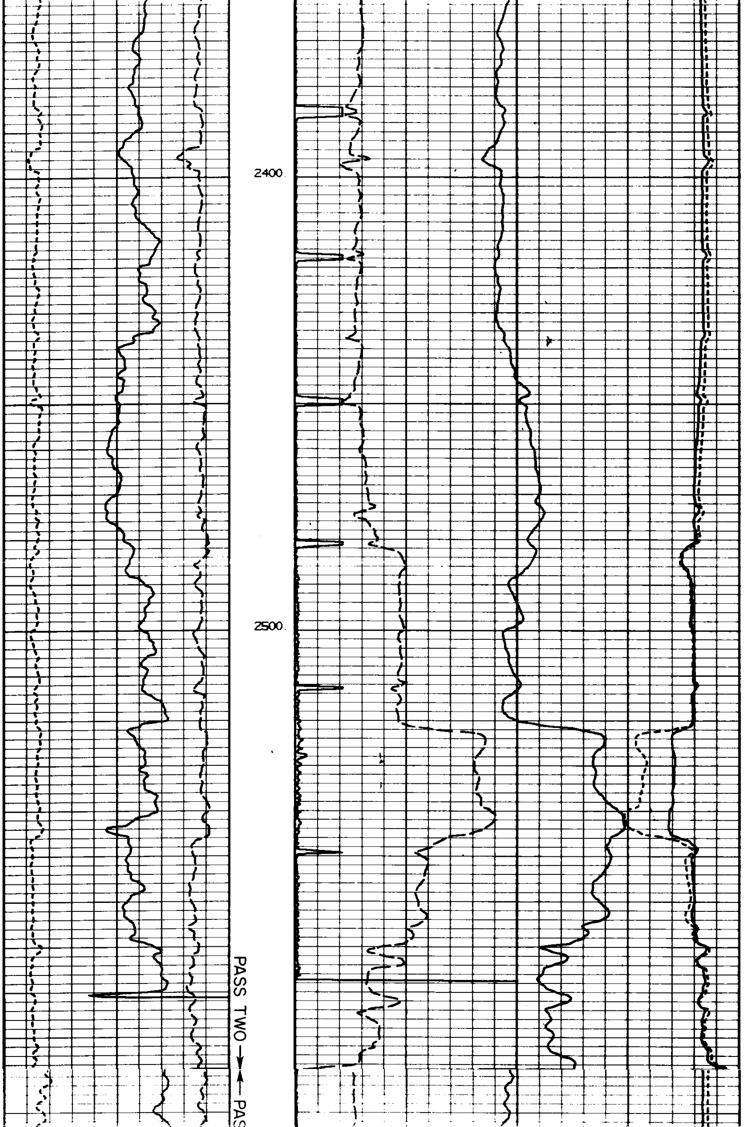
Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or wilful misconduct, for any loss, damages, or expenses resulting from the use thereof.

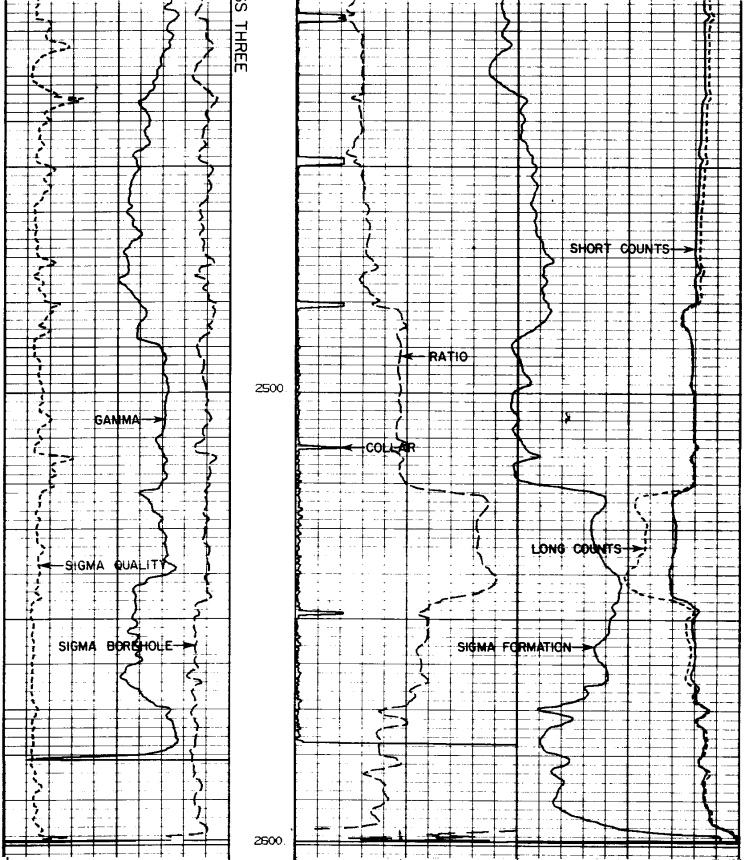


PRIMARY



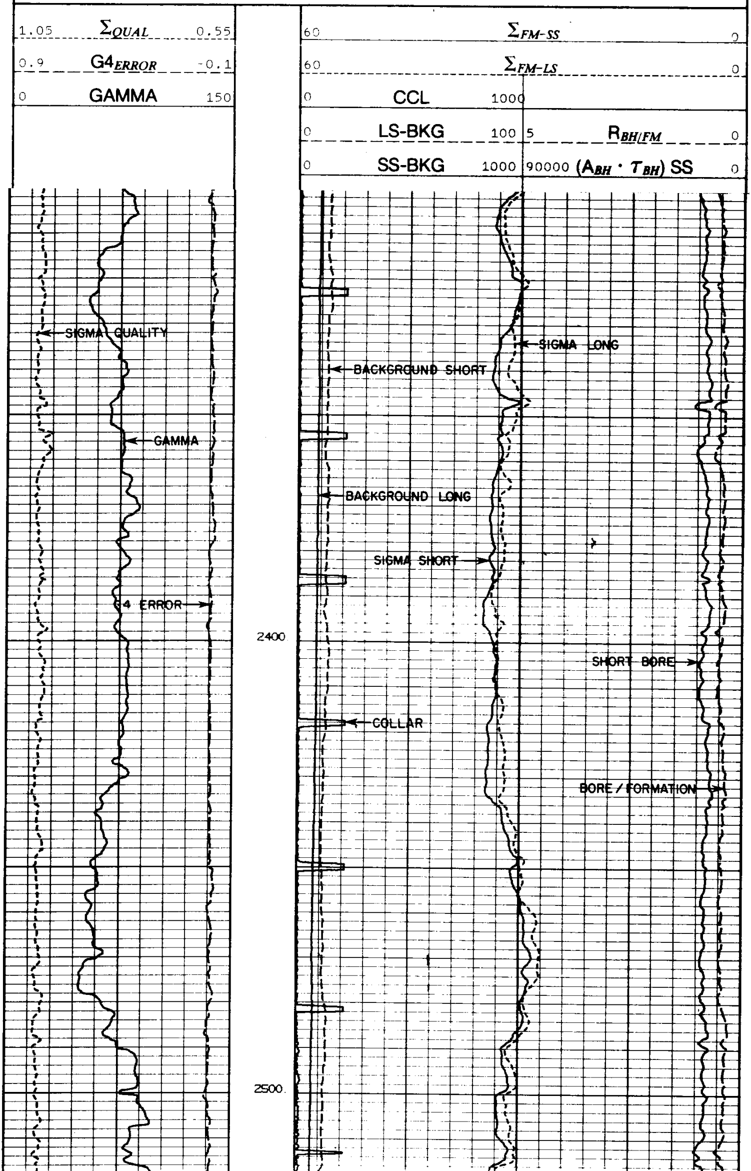


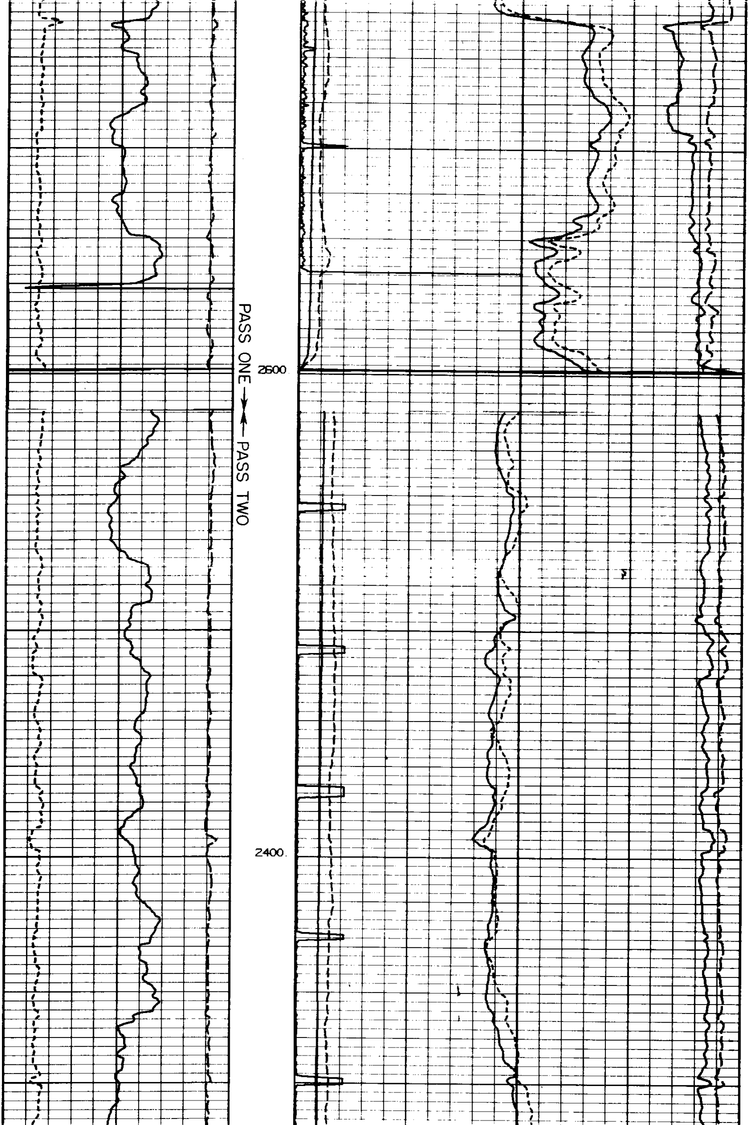


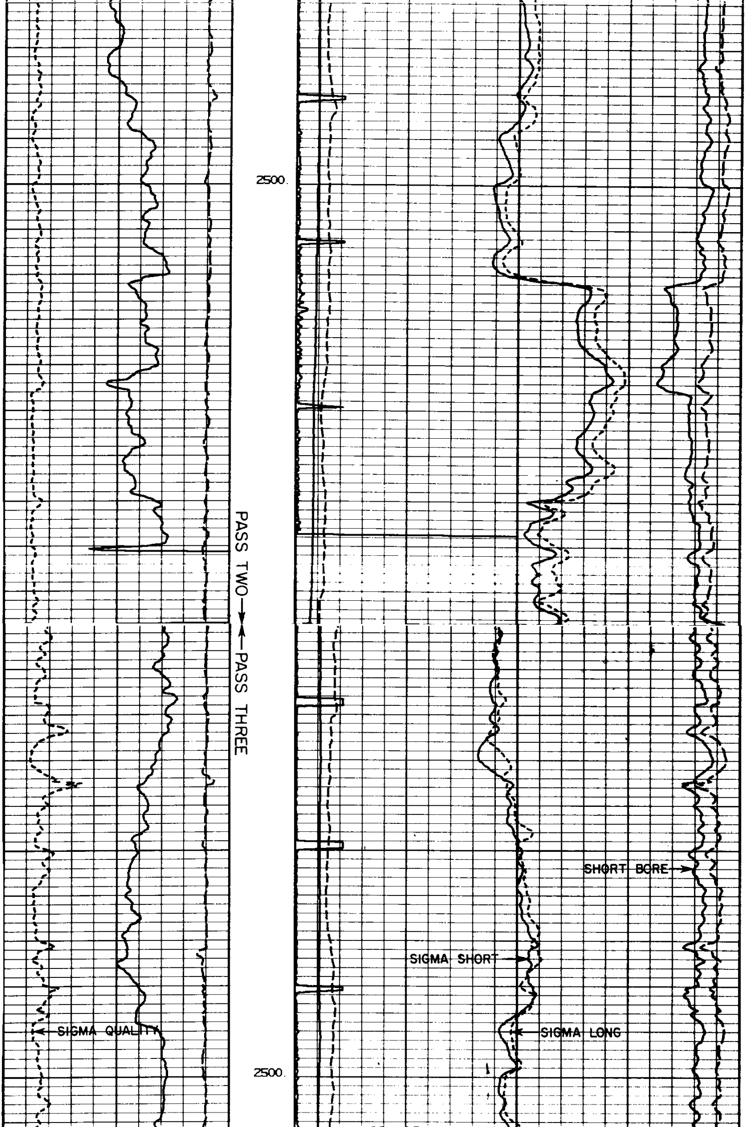


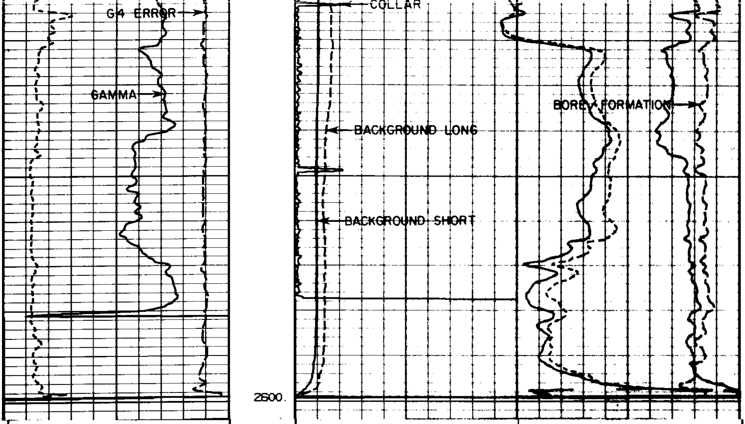
0 GAMMA 150					
240 Σ_{BH-SS} 40		8 $R_{N/F}$ 3		11000 (G3-6) LS 0	
1.05 Σ_{QUAL} 0.55		0 CCL 1000		60000 (G3-6) SS 0	
		60 Σ_{FM}^{CORR} 0			

QUALITY









			0	SS-BKG	1000	90000	$(A_{BH} \cdot T_{BH})$ SS	0
			0	LS-BKG	100	5	$R_{BH/FM}$	0
0	GAMMA	150	0	CCL	1000			
0.9	$G4_{ERROR}$	-0.1	60	Σ_{FM-LS}				0
1.05	Σ_{QUAL}	0.55	60	Σ_{FM-SS}				0

COMPANY REICHHOLD ENERGY

WELL PAUL No. 34-32

FIELD MIST

COUNTY COLUMBIA STATE OREGON

T.D. LOGGED 2599

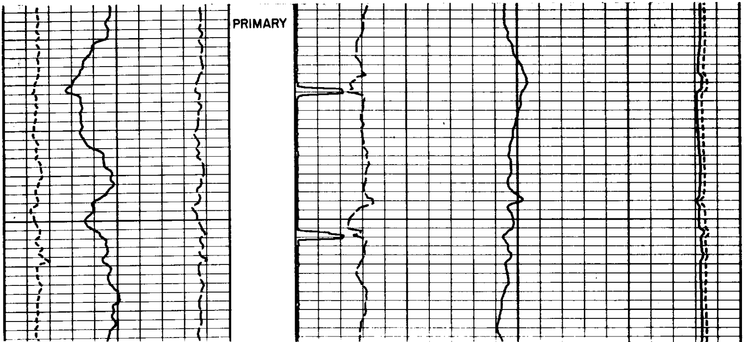
T.D. DRILLER 2609

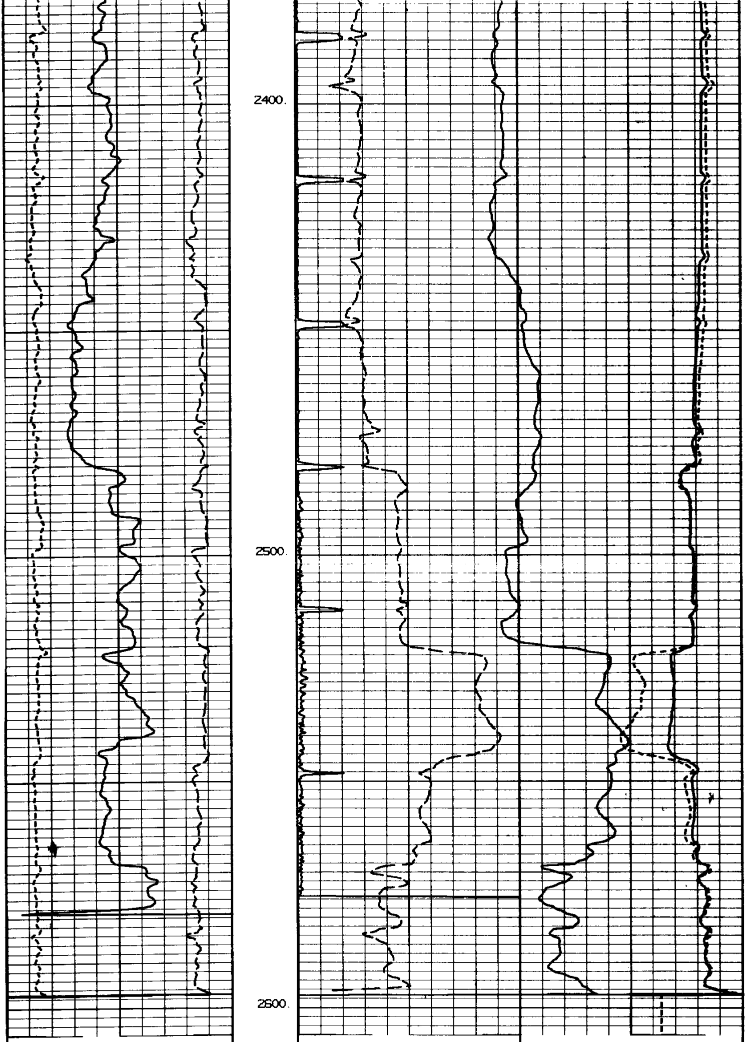
T.D. WELEX 2599

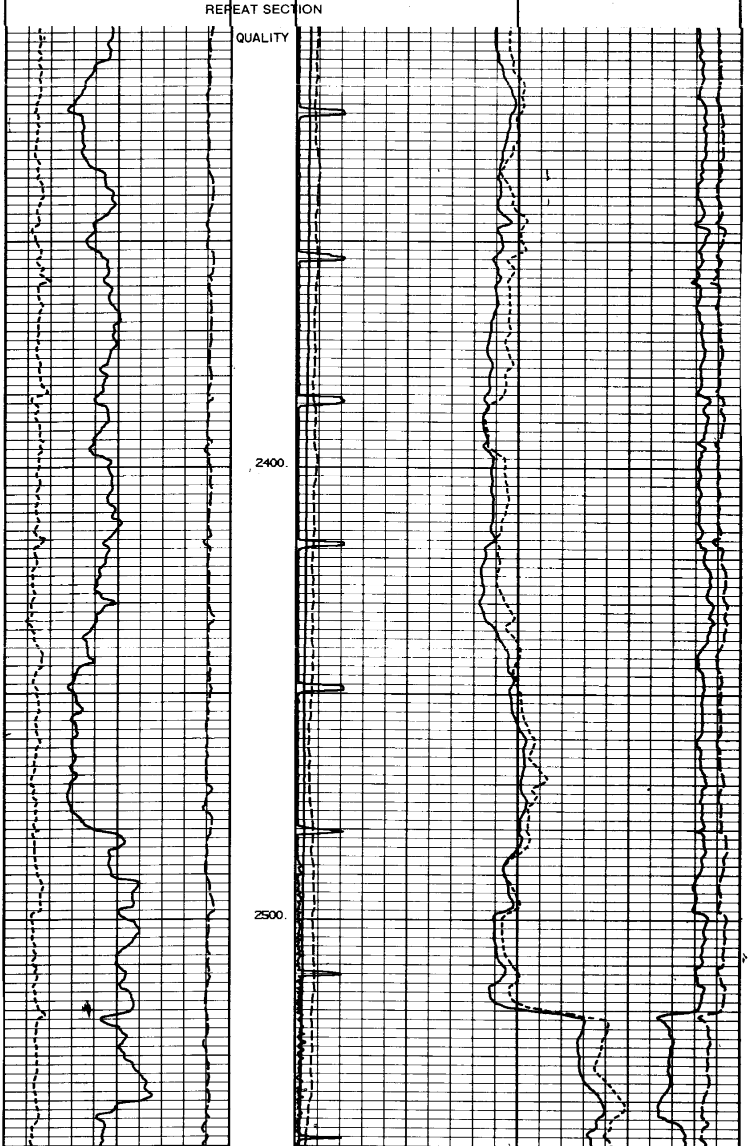
ITWDQ .19092

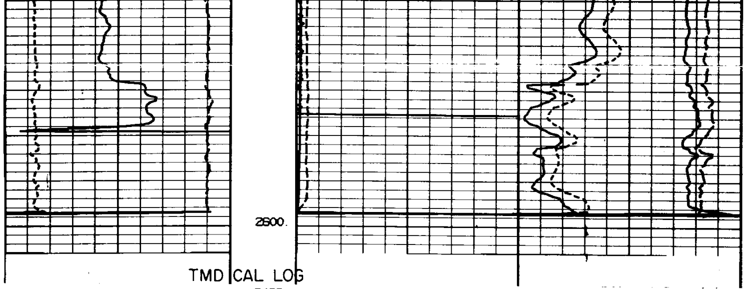
REPEAT SECTION

PRIMARY

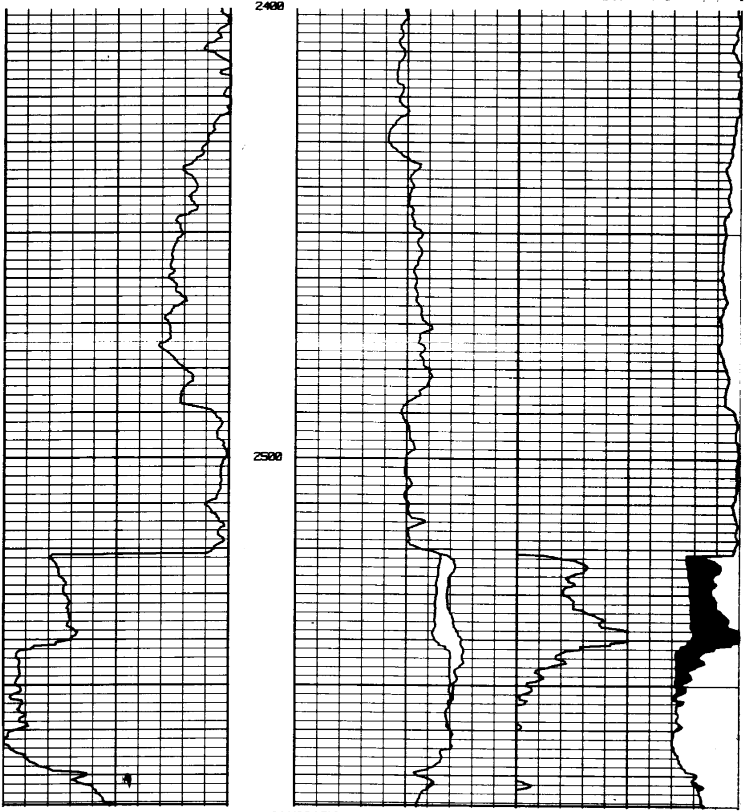








TMD CAL LOG



CALIBRATION BEFORE SURVEY

SUMMARY

TRACE SURVEY	GALVO	TRK	SCALE L	R	INT CAL	NORM OR MATRIX	INTCP	(NORM*) OFFSET	(INTCP*) T.C.	DELAY	PLOTS C1VC2	DIG CHAN
SIGMA SHORT	4	4	60.,	0.	0	0.	3	0	1	0	NNY	1
SIGMA LONG	5	4	60.,	0.	0.	0.	0	0.	0.	0.	NNM	2
SIGMA BORE	3	1	240.,	40.	0.	0.	0	0.	0.	0.	SSN	7
BACKG SHORT	6	2	0.,	1000.	0.	0.10008	0	0.	1.	0.	NNY	3
BACKGR LONG	12	2	0.,	100.	0.	0.10008	0	0.	0.	0.	NNS	4
SHORT COUNT	9	3	30000.	0.	0.	0.80064	0	0.	0.	9.1	YYN	9
LONG COUNTS	10	3	5000.,	0.	0.	0.20016	0	0.	0.	9.35	SSN	8
RATIO	8	2	8.,	3.	0.	1.0498	0	0.	0.	0.	SSN	5
GAMMA	2	1	0.,	150.	0.	0.38641	0	0.	1.	27.169	YYY	6
CCL	1	2	0.,	1000.	0.	0.0125	0	0.	0.	31.	YYY	10
L. TENSION	16	3	4095.,	0.	0.	1.	0	0.	0.	0.	NNN	11
SIGMA FORM	7	4	60.,	0.	0.	0.	0	0.	0.	0.	YYN	14
SIGMA QUAL	11	1	1.05,	0.55	0.	0.	0	0.	0.	0.	FFF	12
QUALITY 1	13	1	0.9,	-0.1	0.	0.	0	0.	0.	0.	NNS	13
B/F	14	3	5.,	0.	0.	0.	0	0.	0.	0.	NNM	15
SHORT BORE	15	3	90000.	0.	0.	0.	0	0.	0	0.	NNY	16