Permit # 431 051-60

FLORIDA
GEOPHYSICAL LOGGING, INC.

X-Y CALIPER GAMMA RAY LOG

Company CALUMET FLORIDA, INC.
Well LEE CYPRESS "A" 30-1
Field WEST FELDA
Country HENDRY
State/Prv FLORIDA

Company	CALUMET FLORIDA, INC. (H.O.R.C.)		
Well	LEE CYPRESS "A" 30-1		
Field	WEST FELDA		
Country	HENDRY	State/Prv	FLORIDA
Location	2037 FNL & 660 FEL SEC 30 45S 28E	Other Services	P & A NONE
Permanent Datum	GROUND LEVEL	Elevation	30.8'
Log Measured From	GROUND LEVEL	Elevation	K.B. D.F. G.L. 30.8'
Drilling Measured From	KELLY BUSHING		

ate	1/23/01		
un Number	ONE		
epth Driller	11,715'		
epth Logger	2200'		
ottom Logged Interval	2200'		
op Log Interval	50'		
pen Hole Size	N/A		
ype Fluid	OIL		
ensity / Viscosity			
ax. Recorded Temp.			
stimated Cement Top			
ime Well Ready	ON ARRIVAL		
ime Logger on Bottom	0800		
quipment Number	101		
ocation	FT. MYERS		
ecorded By	FERGUSON		
Vitnessed By	B. CAUGHEY	P. ATTWOOD	

	Borehole Record			Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

asing Record	Size	Wgt/Ft	Top	Bottom
urface String	13.375"	54.5 LBS	SURFACE	1310'
rot. String				
roduction String				
ner				

<<< Fold Here >>>

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 interpretation, 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 our general terms and conditions set out in our current Price Schedule.

Comments

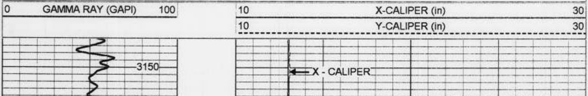
API #09-051-20022
DEP PERMIT #431

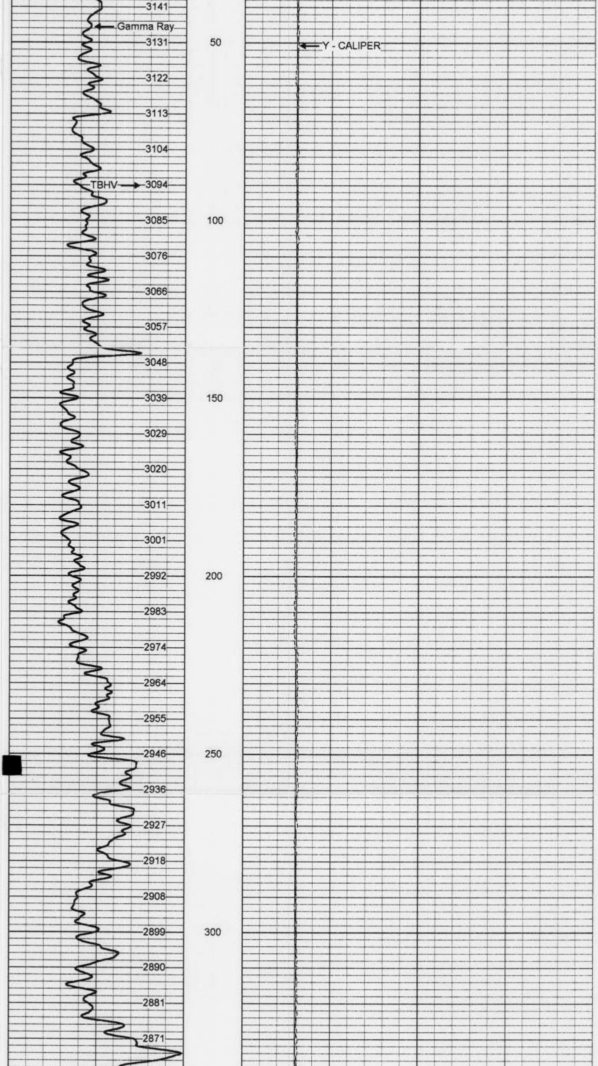
TOTAL BOREHOLE VOLUME = CUBIC FEET

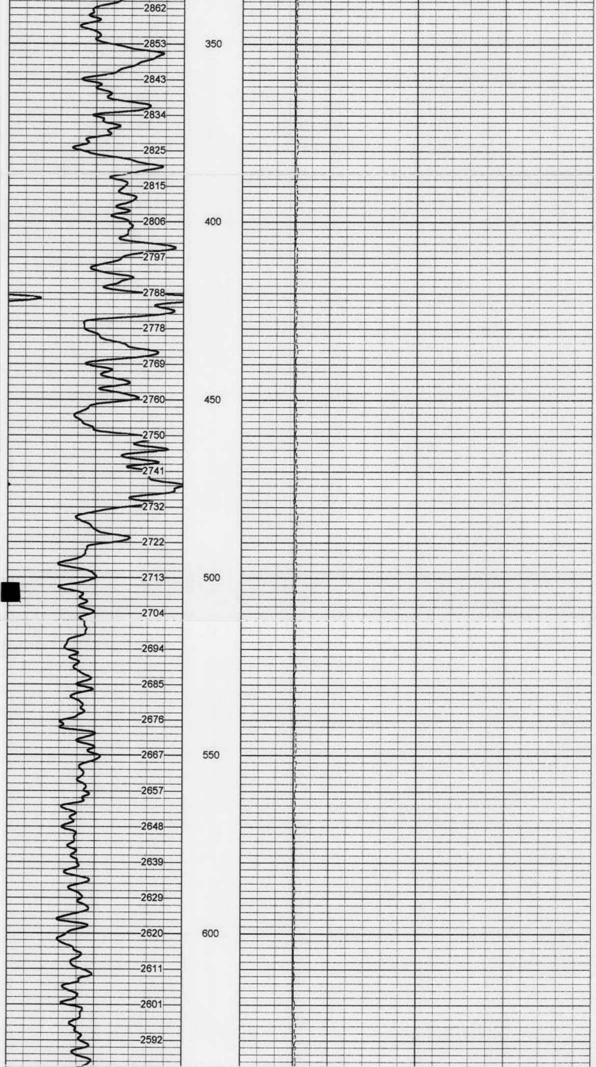
FLORIDA
GEOPHYSICAL LOGGING, INC.

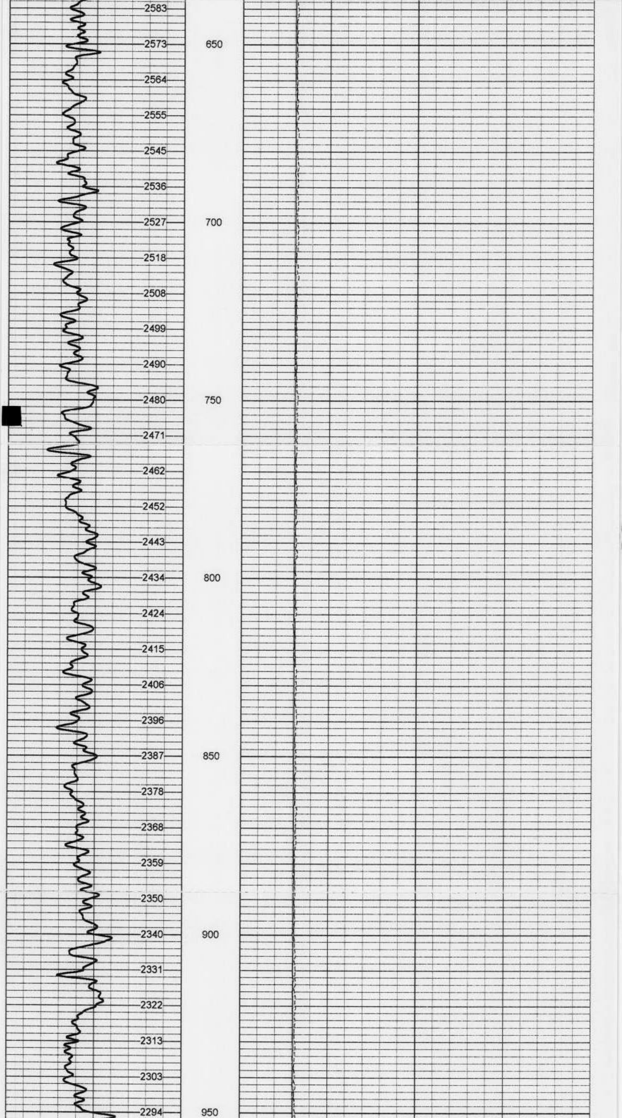
MAIN PASS

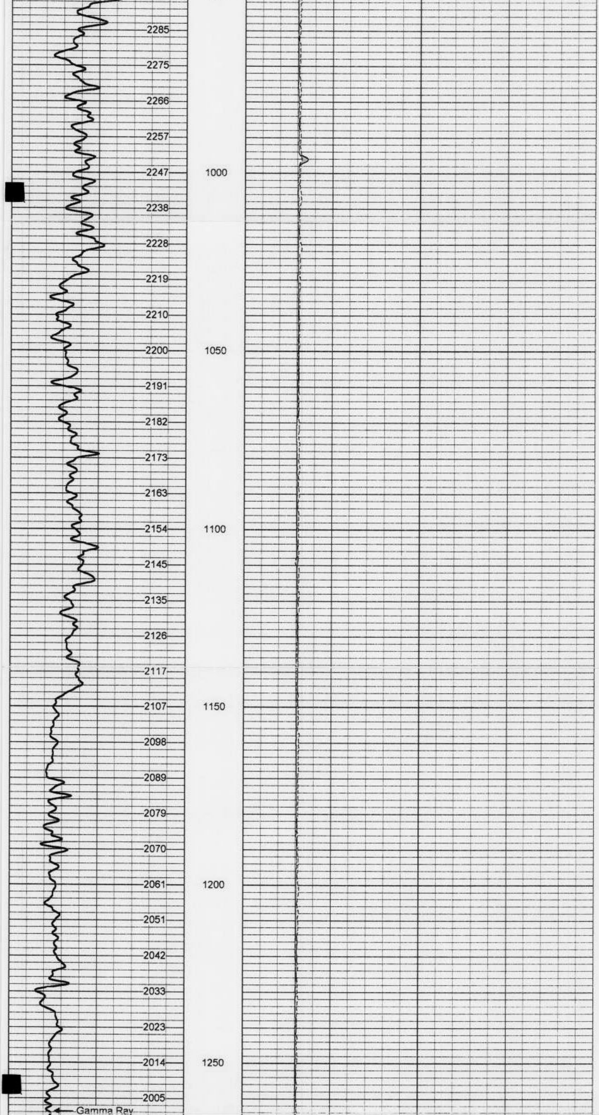
Database File: a30-1.db
Dataset Pathname: pass1
resentation Format: grxyc.prs
ataset Creation: Tue Jan 23 08:17:18 2001 by Log VER_5.4
Charted by: Depth in Feet scaled 1:240

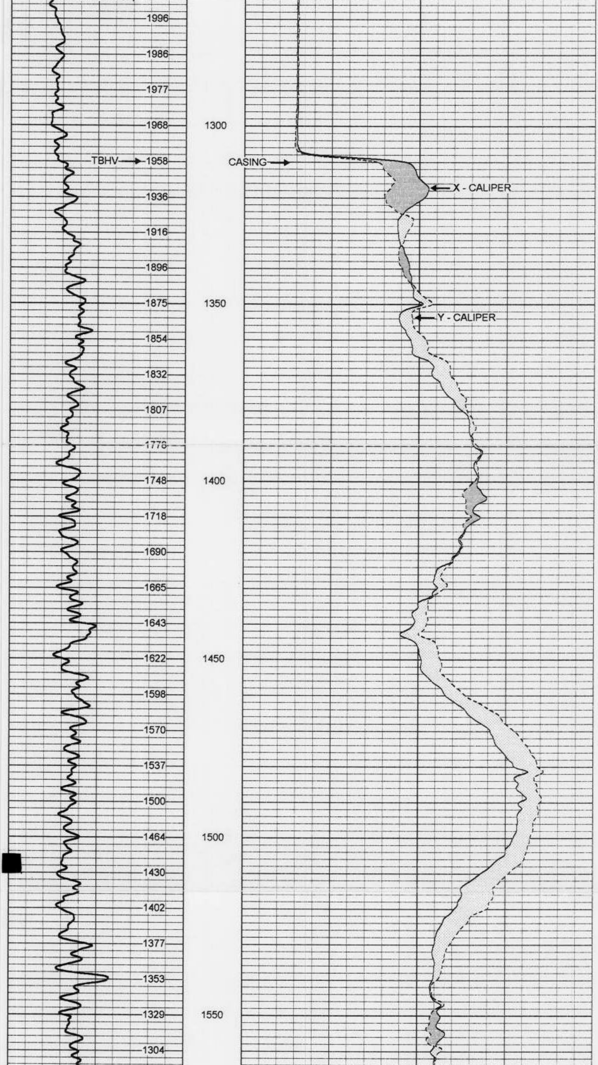


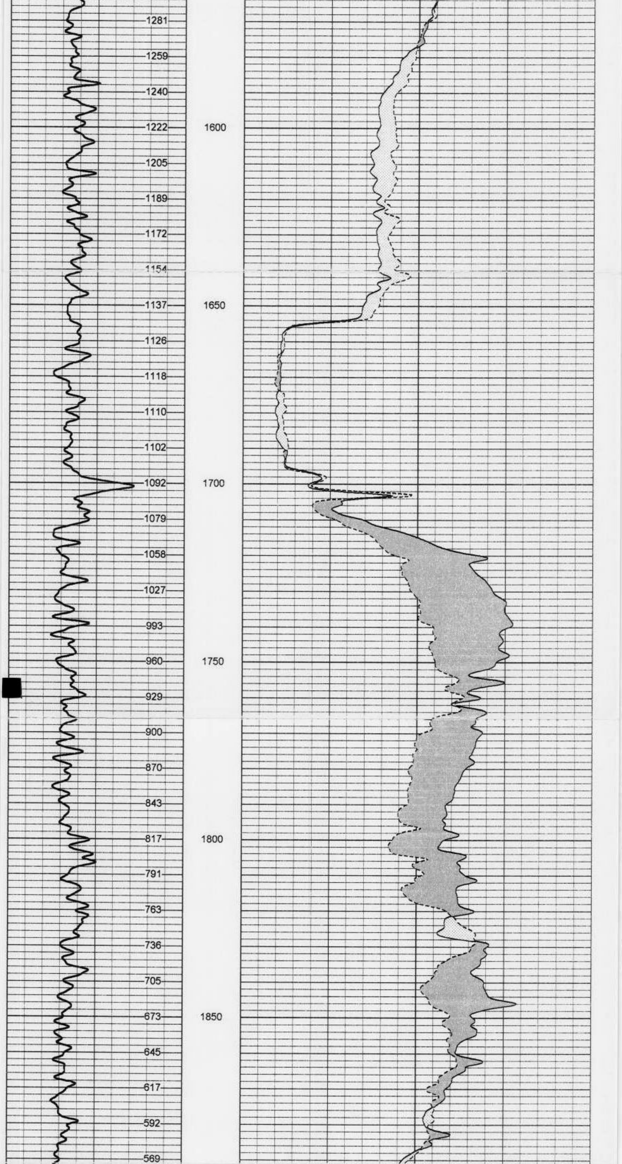


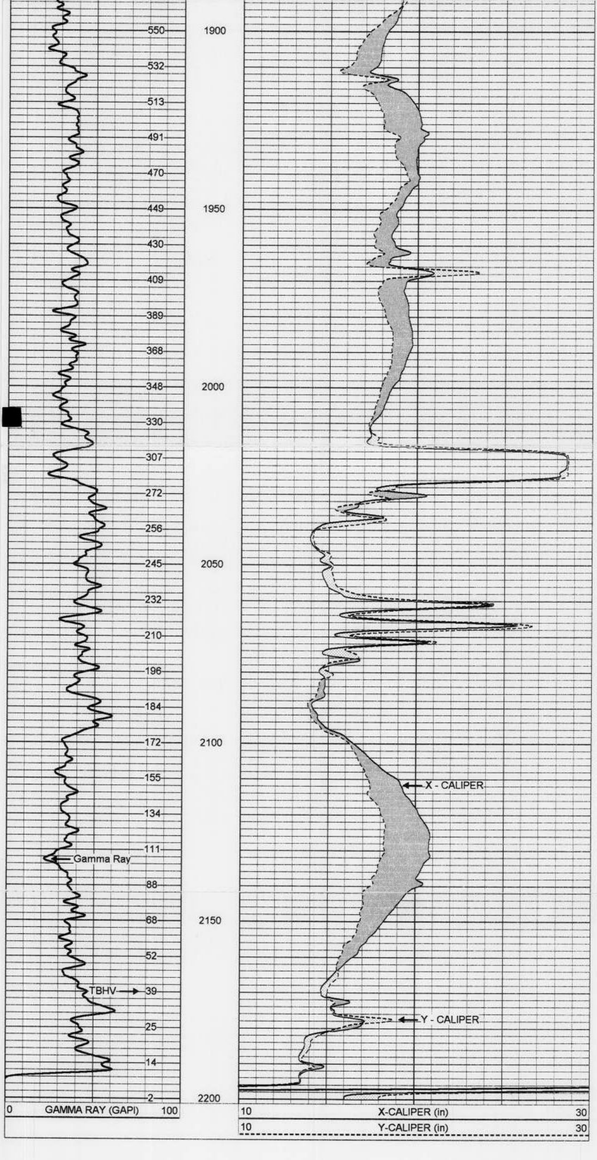


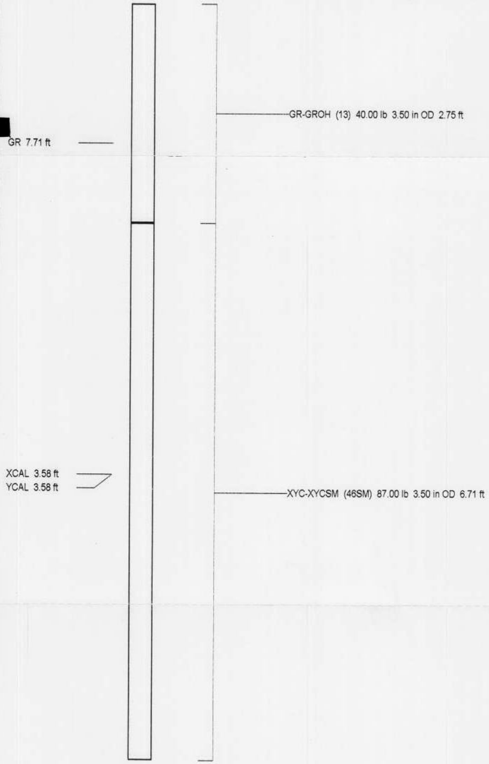











GR-GROH (13) 40.00 lb 3.50 in OD 2.75 ft
GR 7.71 ft
XCAL 3.58 ft
YCAL 3.58 ft
XYC-XYCSM (46SM) 87.00 lb 3.50 in OD 6.71 ft

Dataset:	run1/pass1
Total Length:	9.46 ft
Total Weight:	127.00 lb
O.D.	3.50 in

XY Caliper Calibration Report

Serial Number/Model: 46SM-XYCSM
Performed: Tue Jan 23 07:53:16 2001

	Ring		X Caliper		Y Caliper	
1:	5.81	in	586.207	cps	557.572	cps
2:	13.4	in	735.552	cps	709.43	cps
3:	28.5	in	1141.26	cps	1074.81	cps
4:		in		cps		cps
5:		in		cps		cps
6:		in		cps		cps

Gamma Ray Calibration Report

Serial Number:	13	
Tool Model:	GROH	
Performed:	Mon Oct 30 14:29:24 2000	
Calibrator Value:	120	GAPI
Background Reading:	41.4986	cps
Calibrator Reading:	105.864	cps
Sensitivity:	1.86436	GAPI/cps

051-34

#431

SCHLUMBERGER

GAMMA RAY - NEUTRON

COUNTY HENDRY, FLA.
FIELD or LOCATION W. SUNOCO-FELDA SEC. 30-45S-28E
WELL #A-1 LEE CYPRESS 30-1
COMPANY HUMBLE OIL & REFINING COMPANY

COMPANY HUMBLE OIL & REFINING COMPANY

Permit #431

WELL #A-1 LEE CYPRESS 30-1

FIELD WEST SUNOCO-FELDA

COUNTY HENDRY **STATE** FLORIDA

Location: NA

Other Services: IES

Sec. 30 Twp. 45S Rge. 28E

Permanent Datum: GL ; Elev.: ---
Log Measured From KB , 17 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. --
D.F. NA 46'
G.L. --

Date	10-6-70
Run No.	ONE
Type Log	GR-N
Depth—Driller	1375
Depth—Logger	1374
Bottom logged interval	1373
Top logged interval	209
Type fluid in hole	WATER
Salinity, PPM Cl.	NA
Density	9.5
Level	FULL
Max rec. temp., deg F.	∠ 100
Operating rig time	5½ HOURS
Recorded by	RAY
Witnessed by	BRIGHT

BORE-HOLE RECORD				CASING RECORD			
RUN No.	Bit	From	To	Size	Wgt.	From	To
1	17½	210	1375	20	--	0	210

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THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

Gamma Ray				Neutron			
Run No.	ONE			Run No.	ONE		
Tool Model No.	GNT-F			Log Type	GM		
Diameter	3⅝			Tool Model No.	NDHD-209		
Det'r Model No.	SGDF-853			Diameter	3⅝		
Type	SCINT			Det'r Model No.			
Length				Type	NLDE-385		
Dist. to N. Source	103.5"			Length			
				Source Model No.	NLS-M		
General				Serial No.			
Hoist Truck No.	4573			Spacing	19.5"		
Inst. Truck No.	---			Type	PU BE		
Tool Serial No.	GNHF 179			Strength	5 CURIES		
Location	NATCHEZ						

LOGGING DATA

General				Gamma Ray				Neutron			
Run No.	Depths From	Depths To	Speed Ft/Min.	T.C. Sec.	Sens. Settings	Zero Div. L or R	API G.R. Units per Log Div.	T.C. Sec.	Sens. Settings	Zero Div. L or R	API N. Units per Log Div.
1	209	1374	30	2	300	0	12	2	100	3 L	40

Reference Literature:

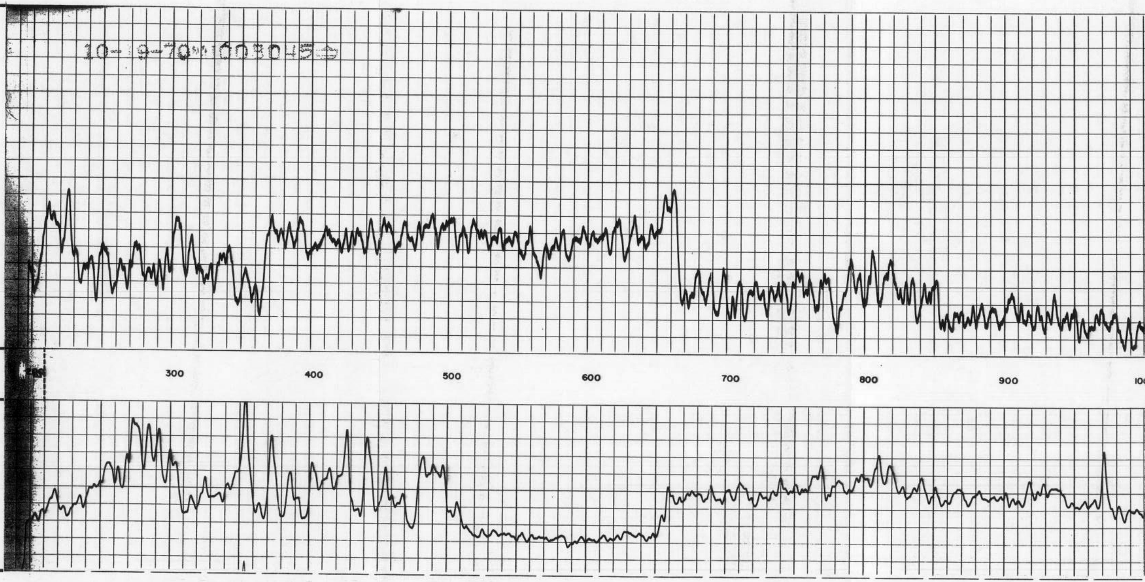
Remarks: S. O. #08045

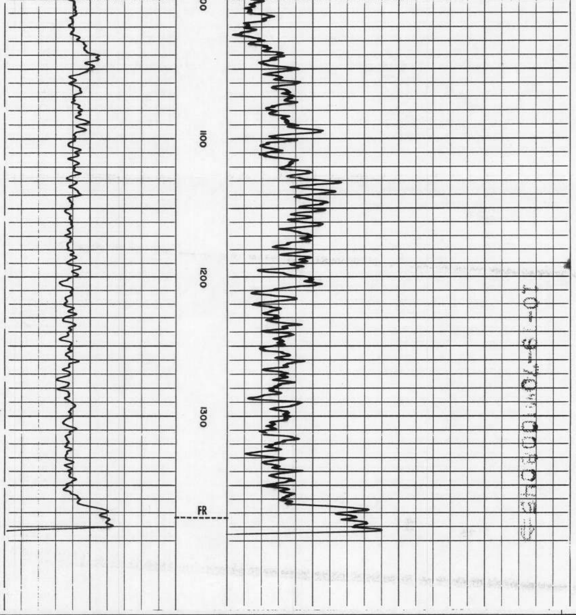
10-9-70-008045

GAMMA RAY
API UNITS
0 120

DEPTHS

NEUTRON
API UNITS
120 520 920





GAMMA RAY

API UNITS

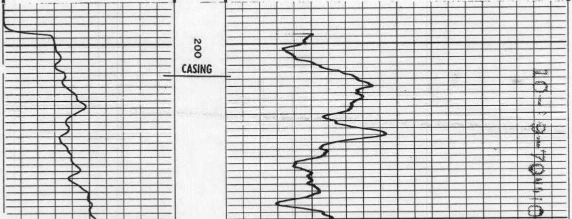
0 120

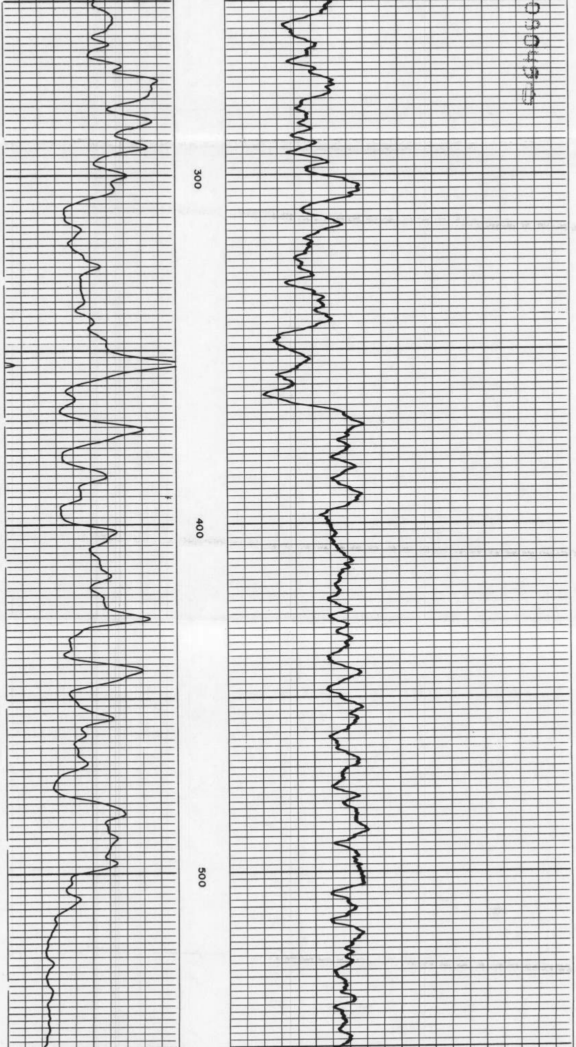
DEPTHS

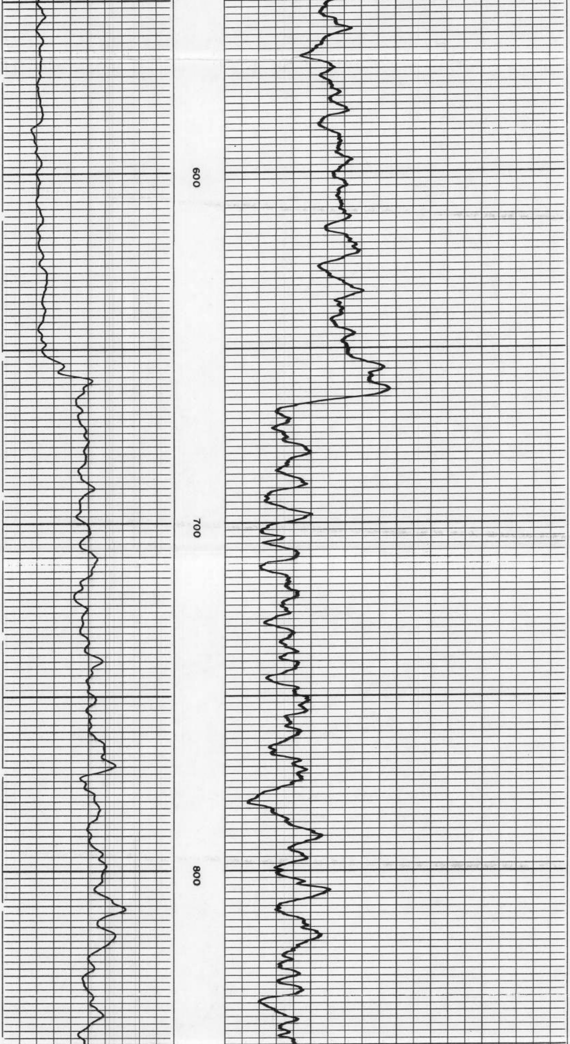
NEUTRON

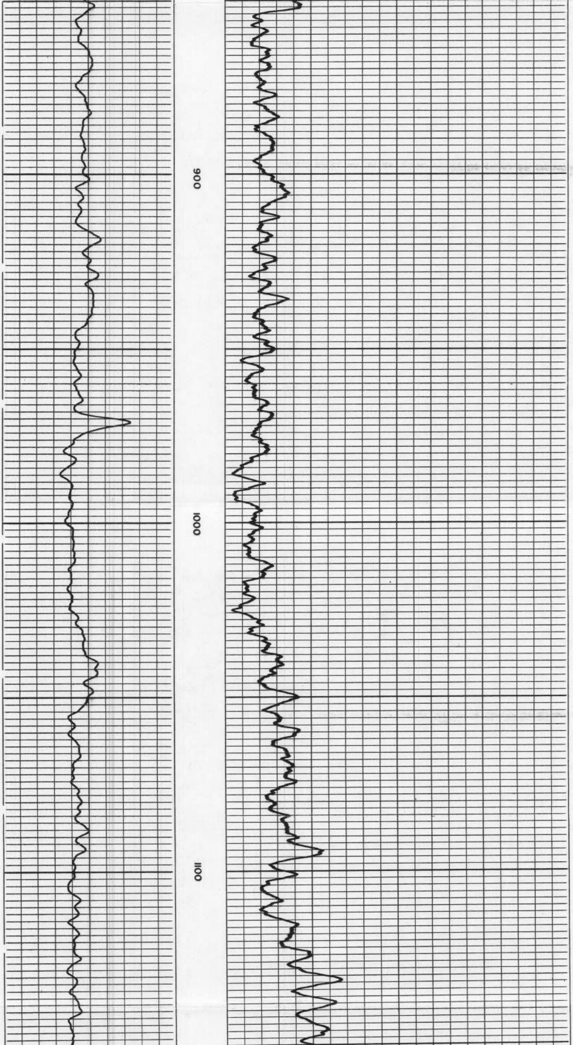
API UNITS

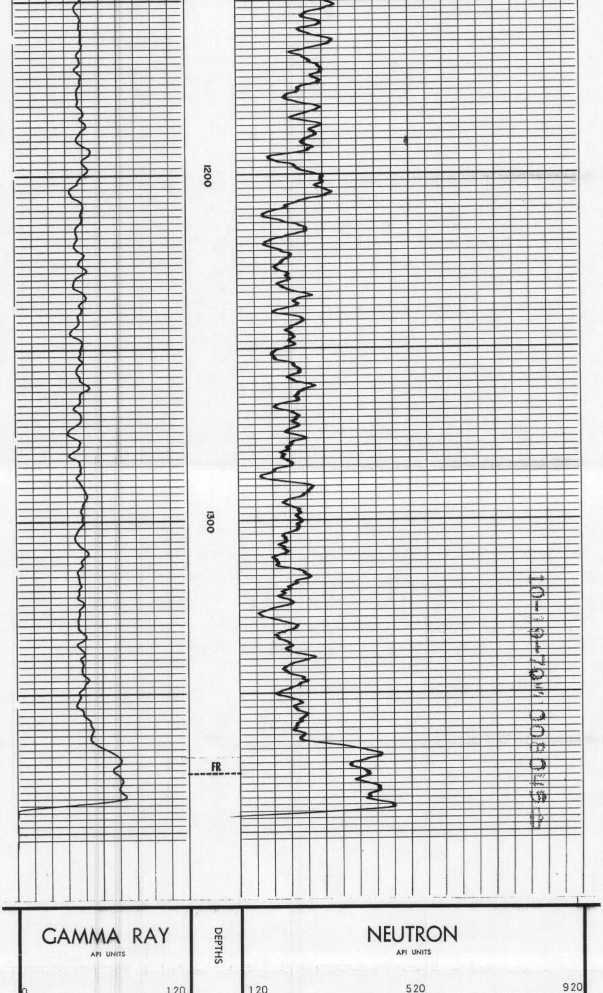
120 520 920





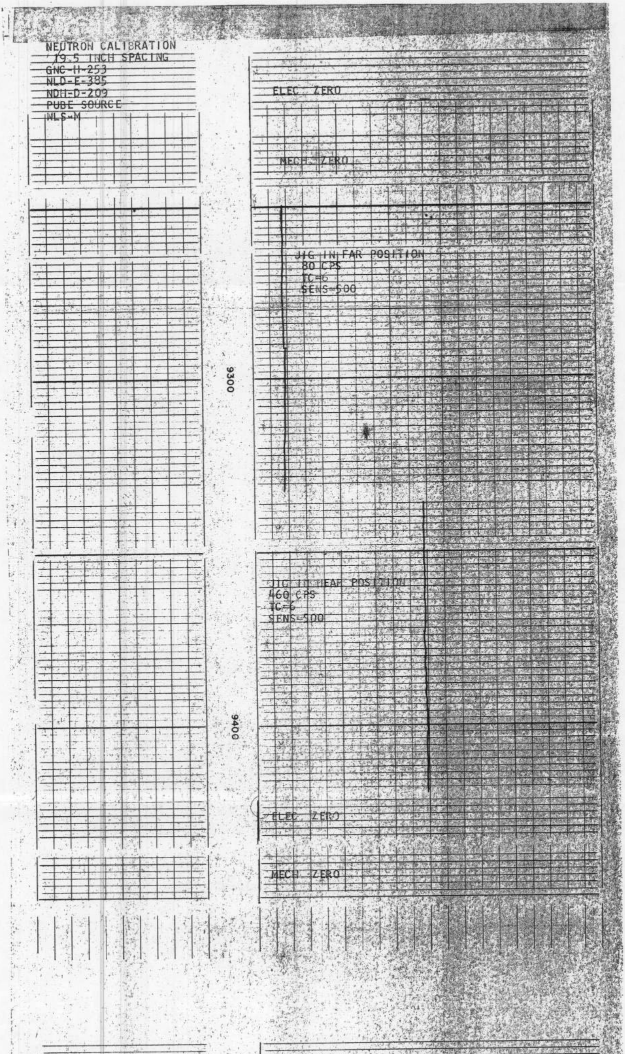


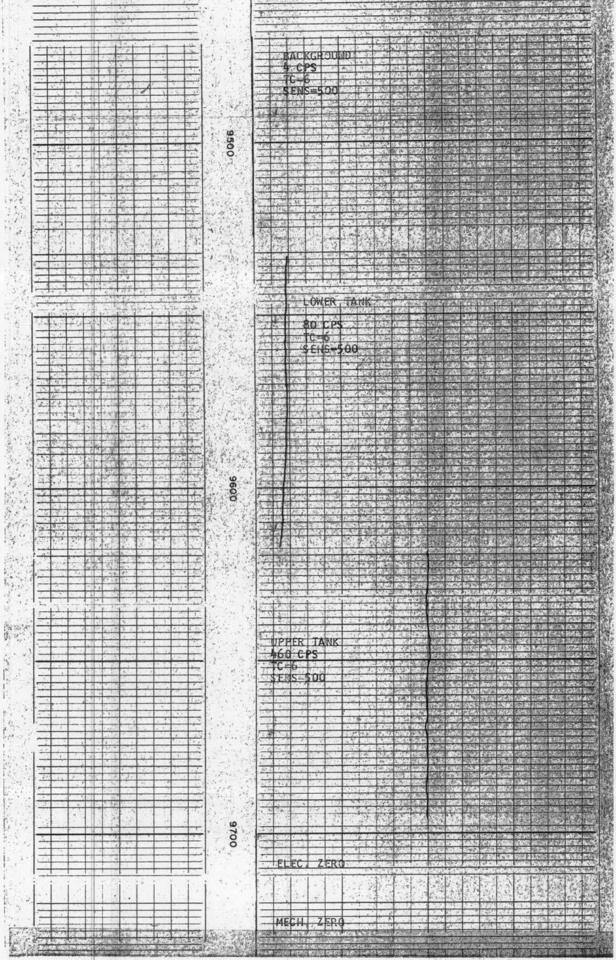




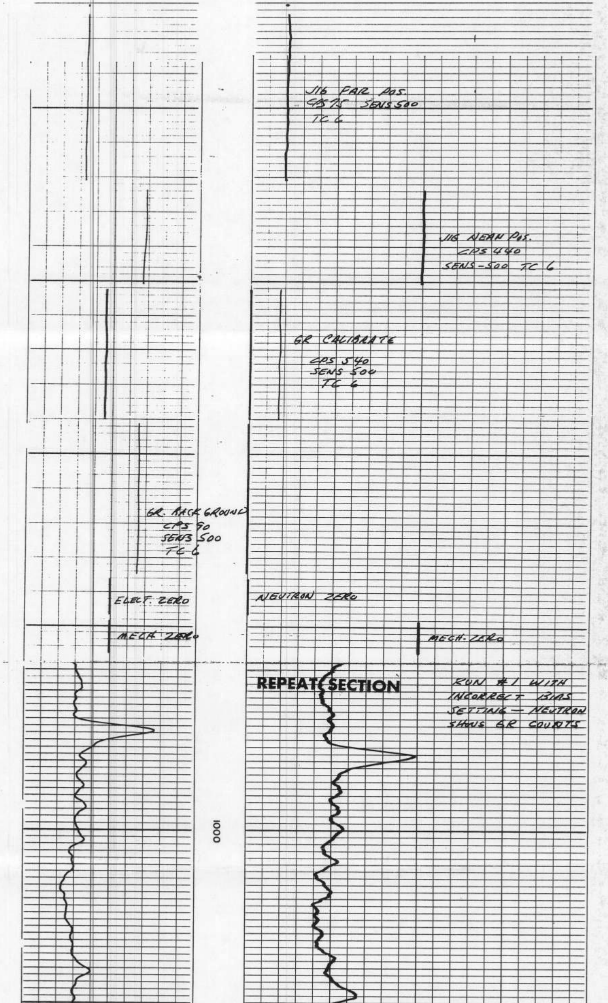
COMPANY	HUMBLE OIL & REFINING COMPANY	SWSC FR	1373
WELL	#A-1 LEE CYPRESS 30-1	SWSC TD	1374
FIELD	WEST SUNOCO-FELDA	DRLR TD	1375
COUNTY	HENDRY	Elev:	
STATE	FLORIDA	KB	--
		DF	NA
		GL	--

SWSC 1341

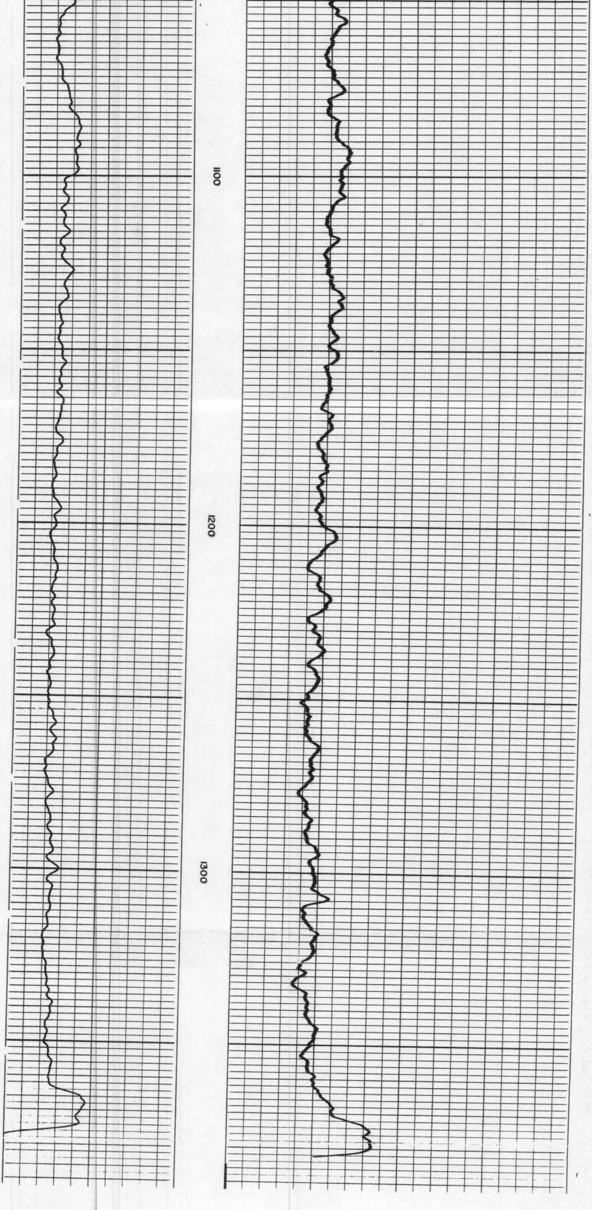




FIELD CALIBRATION



RUN #1 WITH
INCORRECT BIAS
SETTING — NEUTRON
SHOWS GR COUNTS



051-34

surface log only

SCHLUMBERGER INDUCTION-ELECTRICAL LOG

COUNTY HENDRY, FLA.
FIELD or LOCATION W. SUNOCO-FELDA SEC. 30-45S-28E
WELL #A-1 LEE CYPRESS 30-1
COMPANY HUMBLE OIL & REFINING COMPANY

COMPANY HUMBLE OIL & REFINING COMPANY

431

WELL #A-1 LEE CYPRESS 30-1 P.421

FIELD WEST SUNOCO-FELDA

COUNTY HENDRY STATE FLORIDA

LOCATION [illegible]

Sec. 30 Twp. 45S Rge. 28E

Other Services: GRN

Permanent Datum: GL, Elev. ---
Log Measured From KB, 17 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 49
D.F. 48
G.L. 31

Date	10-6-70			
Run No.	ONE			
Depth—Driller	1375			
Depth—Logger	1373			
Btm. Log Interval	1372			
Top Log Interval	209			
Casing—Driller	20" @ 210	@	@	@
Casing—Logger	209			
Bit Size	17½"			
Type Fluid in Hole	WATER			
Dens. | Visc.	9.5 | 43			
pH | Fluid Loss	NA | NA ml	ml	ml	ml
Source of Sample	CIRCULATED			
R_m @ Meas. Temp.	7.95 @ 80 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	--- @ -- °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	--- @ -- °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	--- | --			
R_m @ BHT	--- @ ∠100°F	@ °F	@ °F	@ °F
Time Since Circ.	2 HOURS			
Max. Rec. Temp.	∠ 100 °F	°F	°F	°F
Equip. | Location	4573 | NATCHEZ			
Recorded By	RAY			
Witnessed By	BRIGHT			

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

REMARKS S. O. #08045

10-19-70 08045

Changes in Mud Type or Additional Samples

Date | Sample No.		
Depth—Driller		
Type Fluid in Hole		
Dens. | Visc.		
ph | Fluid Loss	ml	ml
Source of Sample		
R_m @ Meas. Temp.	@ °F	@ °F
R_{mf} @ Meas. Temp.	@ °F	@ °F
R_{mc} @ Meas. Temp.	@ °F	@ °F
Source: R_{mf} | R_{mc}		
R_m @ BHT	@ °F	@ °F
R_{mf} @ BHT	@ °F	@ °F
R_{mc} @ BHT	@ °F	@ °F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

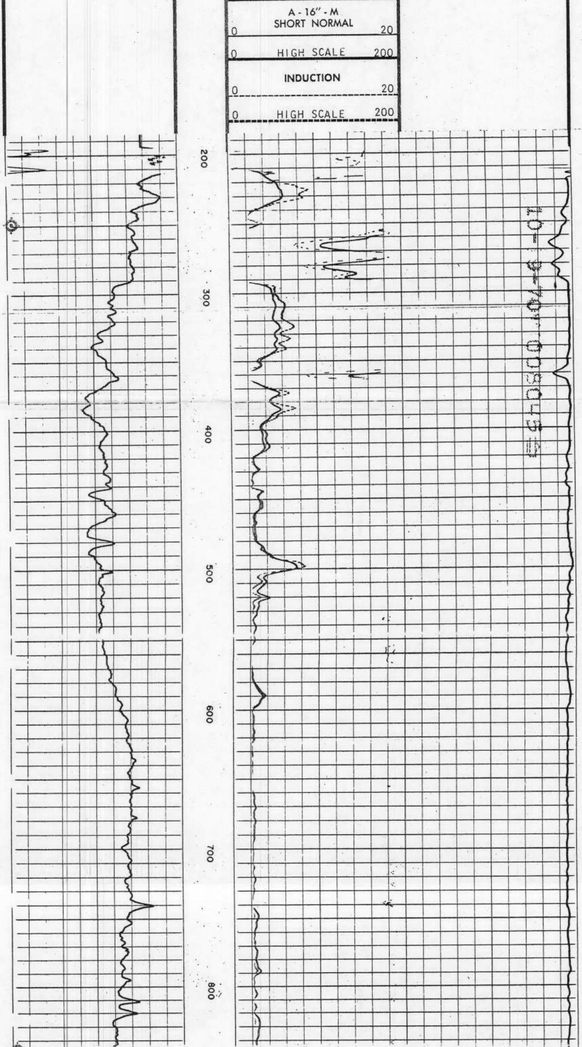
Equipment Data

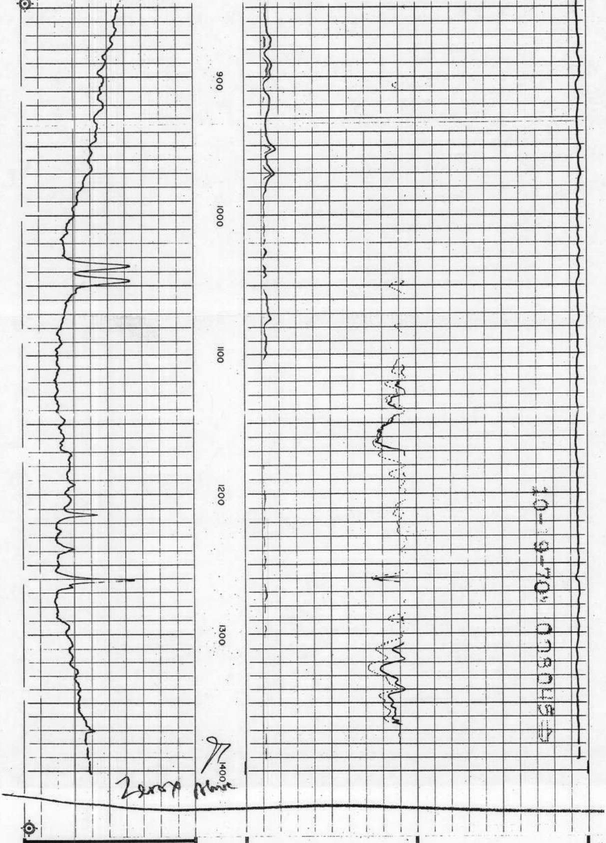
Run No.	Tool Type	Tool Position	Other

Run No.: ONE
C.D.: YES
S.O.: 1½"
Equip. Used: PANEL No.: F-214
CART. No.: F-201
SONDE No.: M-271
IAP No.: D-368
S.B.R.: 1.0

Check one, filling in blanks where applicable:
☒ Surface determined sonde errors used for 6FF40.
☐ 6FF40 sonde error corrected for borehole signal at Rm = inch
☐ 6FF40 zero set in hole at depth of feet.

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms. m}^2/\text{m}}$
10 ↔ MV +		6FF40 INDUCTION 2000 1000 0 3000 2000
		RESISTIVITY -ohms. m²/m





A - 16" - M
SHORT NORMAL
o 20
o HIGH SCALE 200

INDUCTION
o 20
o HIGH SCALE 200

RESISTIVITY
ohms – m²/m

6FF40
INDUCTION
2000 1000 0
3000 2000

− |10 MV| +

SPONTANEOUS-POTENTIAL
millivolts

DEPTHS

CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms} - \text{m}^2/\text{m}}$

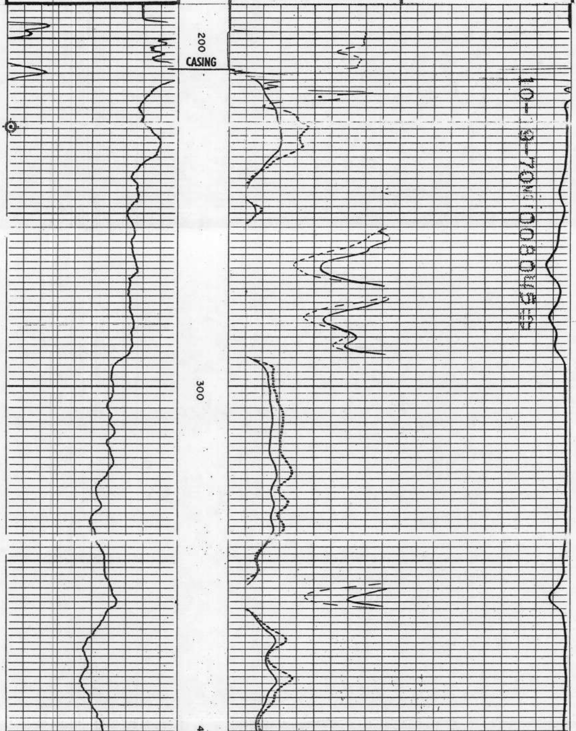
DETAIL LOG

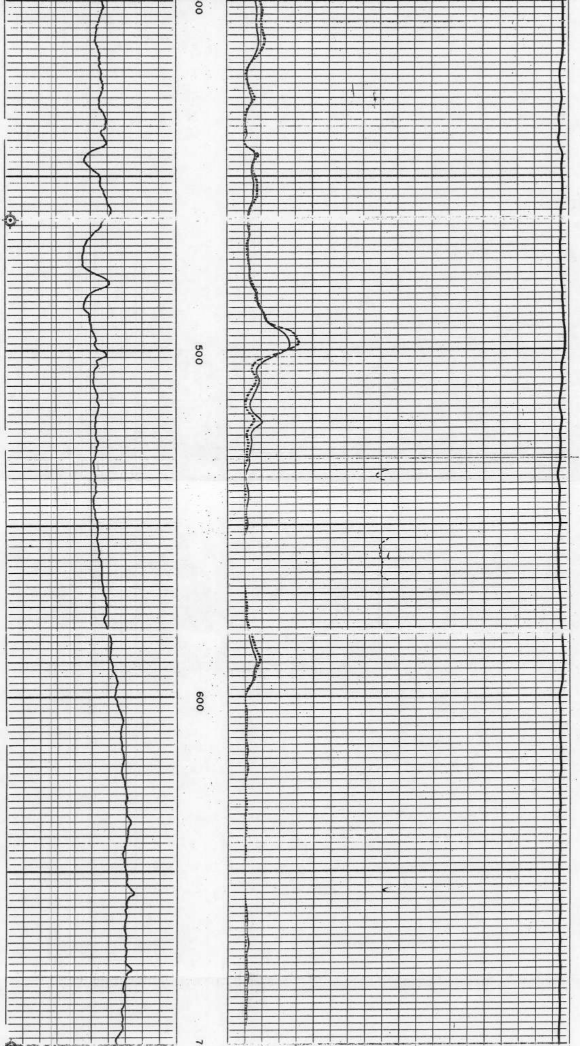
5" = 100'

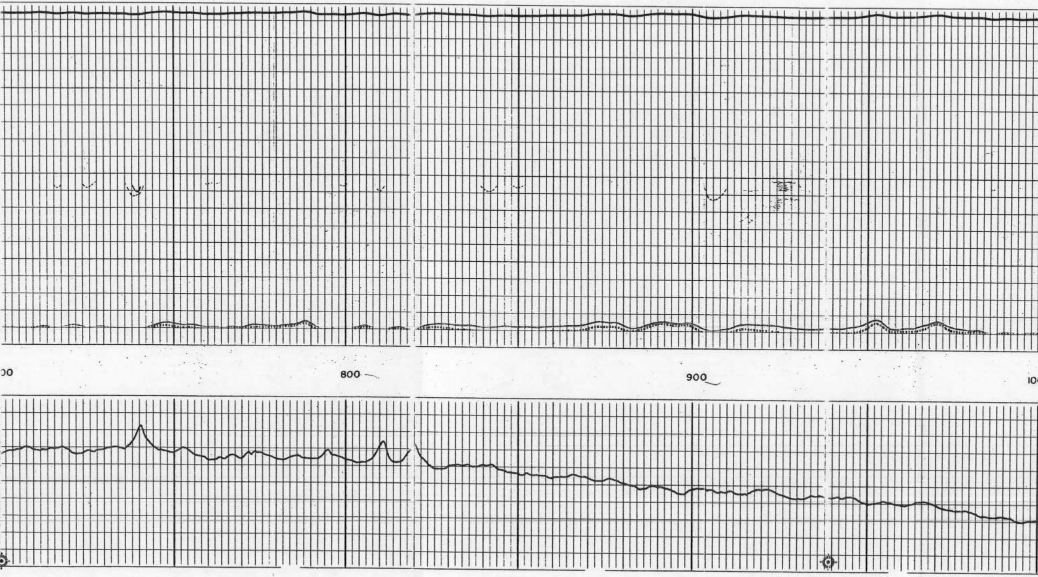
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms} - \text{m}^2/\text{m}}$
− 10 MV +		6FF40 INDUCTION 2000 — 1000 — 0 3000 — 2000

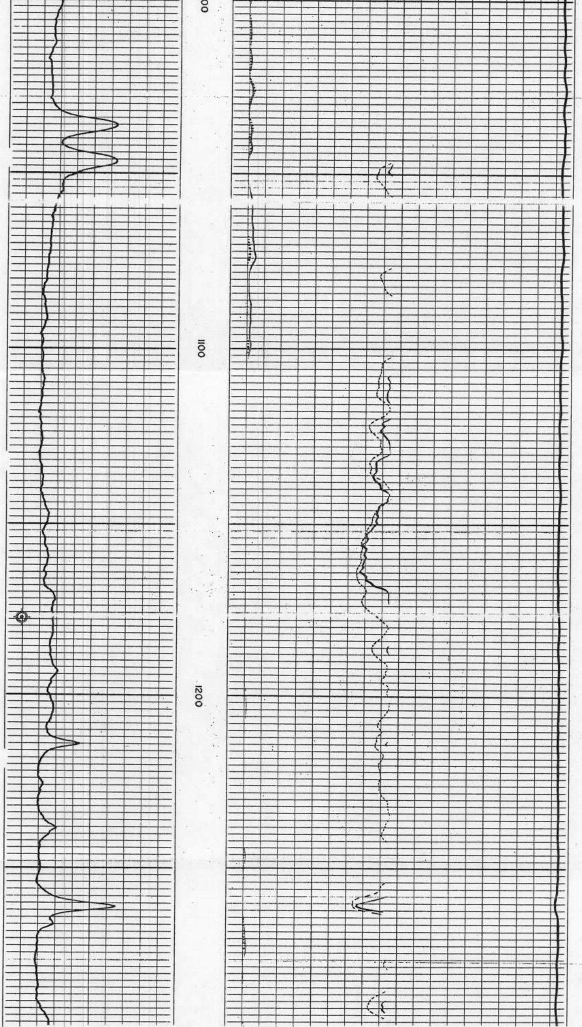
RESISTIVITY
ohms – m²/m

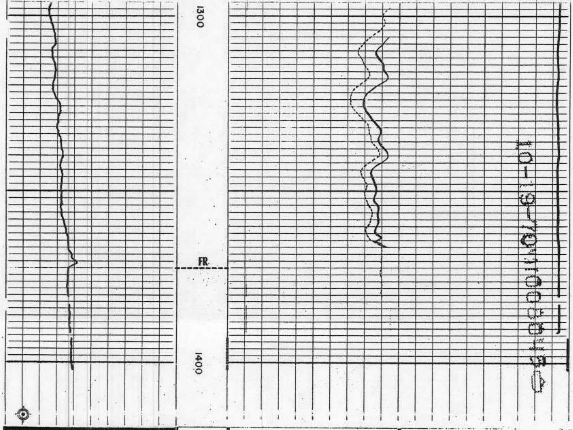
A - 16" - M SHORT NORMAL	o	20
HIGH SCALE	o	200
INDUCTION	o	20
HIGH SCALE	o	200











A - 16" - M
SHORT NORMAL

0 20

0 HIGH SCALE 200

INDUCTION

0 20

0 HIGH SCALE 200

RESISTIVITY
ohms – m^2/m

6FF40
INDUCTION

2000 7000 0

3000 2000

– |10 MV| +

SPONTANEOUS-POTENTIAL
millivolts

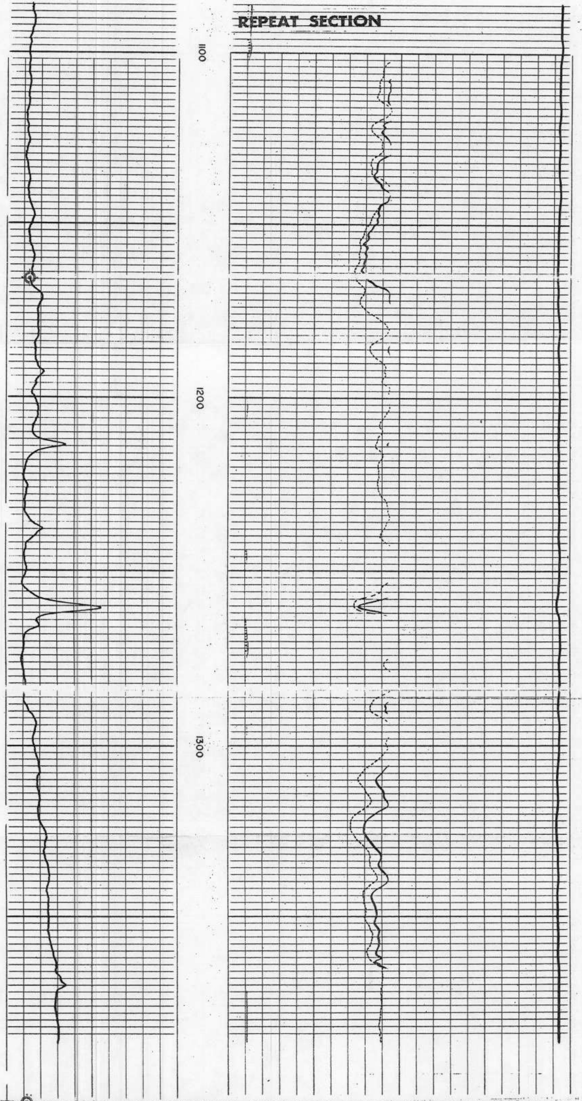
DEPTHS

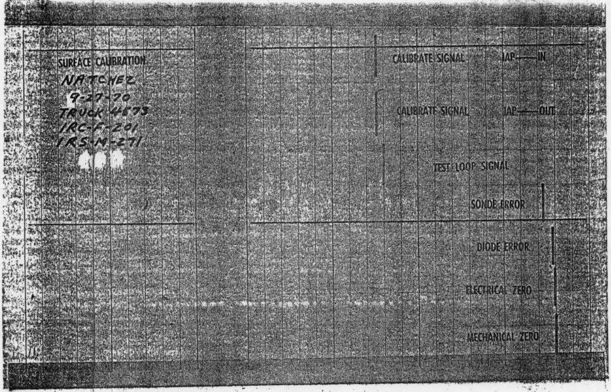
CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms} - m^2/m}$

COMPANY HUMBLE OIL & REFINING COMPANY
WELL #A-1 LEE CYPRESS 30-1
FIELD WEST SUNOCO FELDA
COUNTY HENDRY STATE FLORIDA

SCHL. FR 1372
SCHL. TD 1373
DRLR TD 1375
Elev:
KB ---
DF ---
GL ---

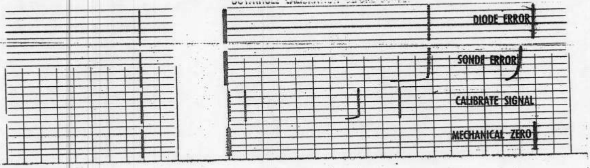
CALIBRATION DATA



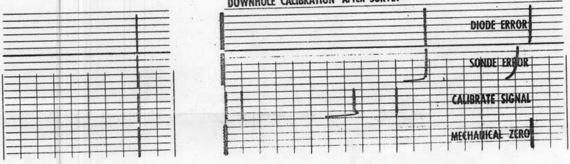


NATCHEZ
9-27-70
TRUCK 4E73
IRC-F-201
IRS-M-271

DOWNHOLE CALIBRATION BEFORE SURVEY



DOWNHOLE CALIBRATION AFTER SURVEY



DIGITAL
FORMATION

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Denver, CO (USA)
RIS-View Version 2.5 SR3

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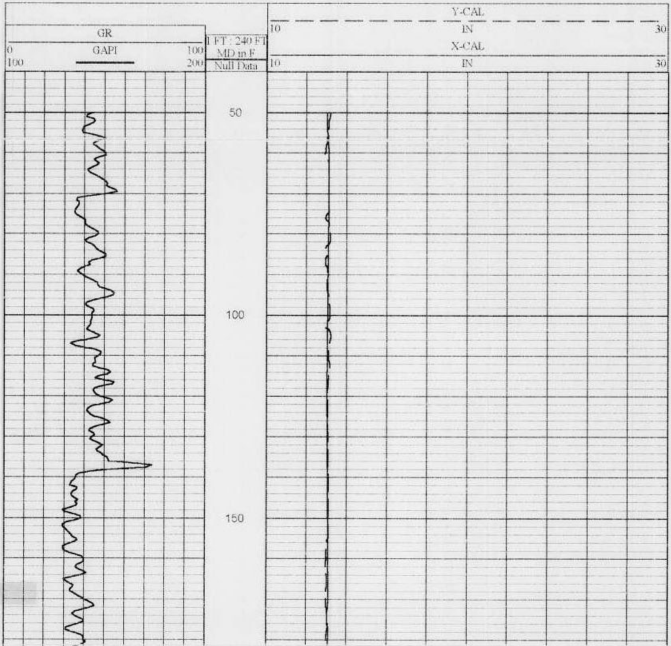
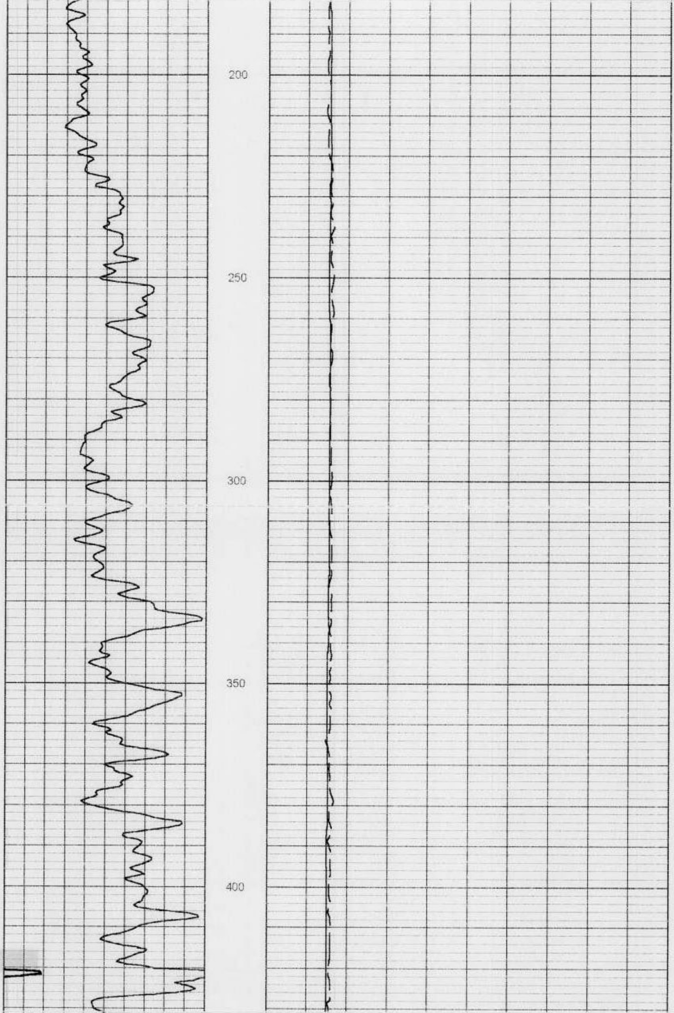
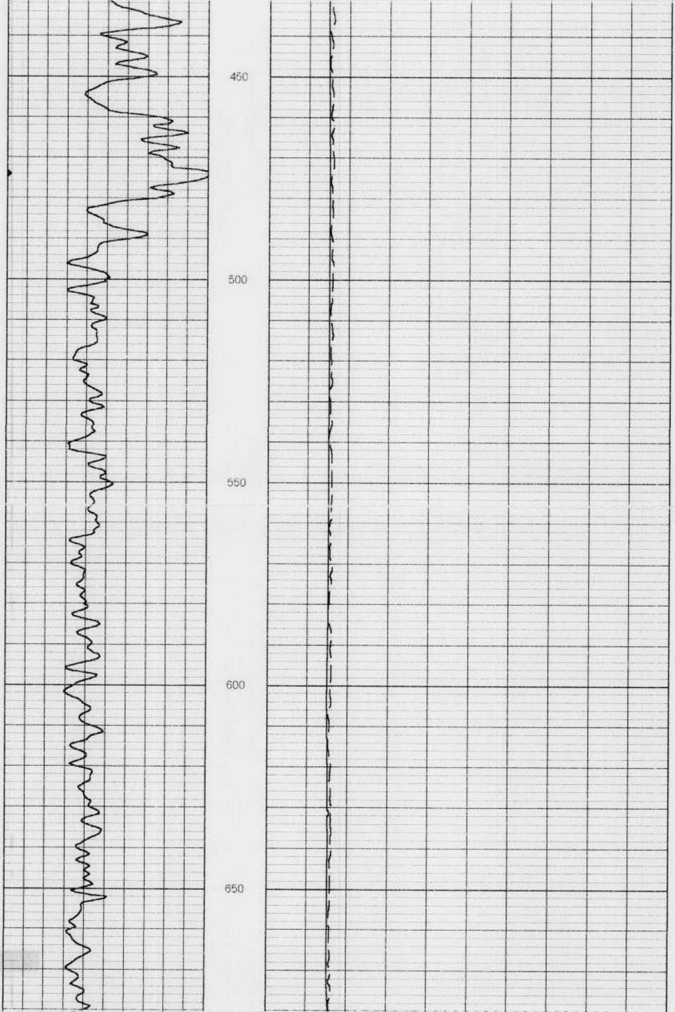
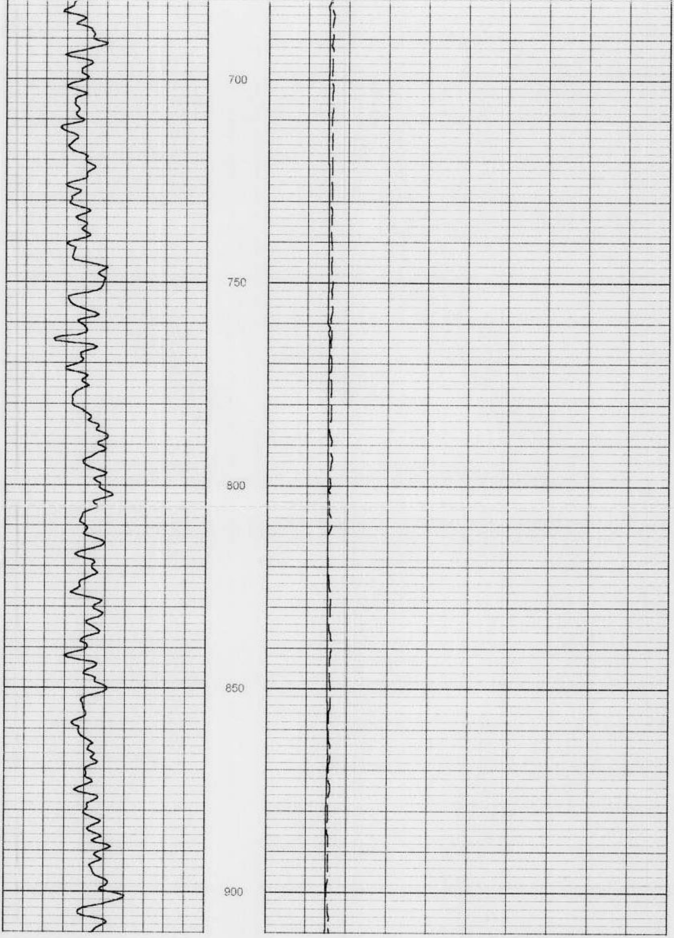
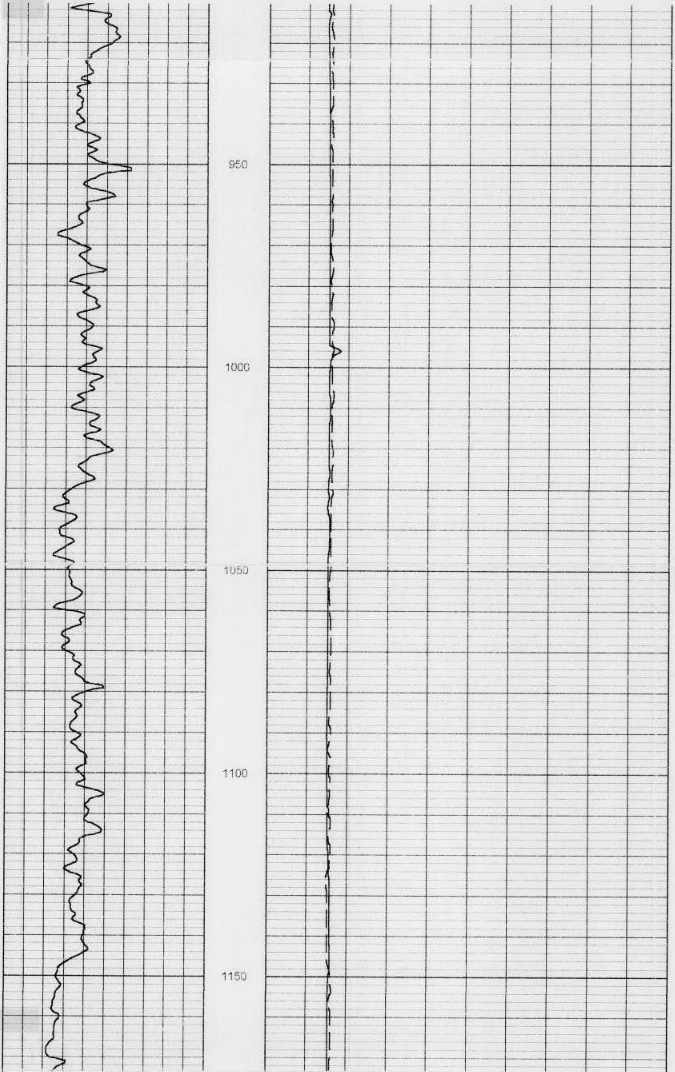
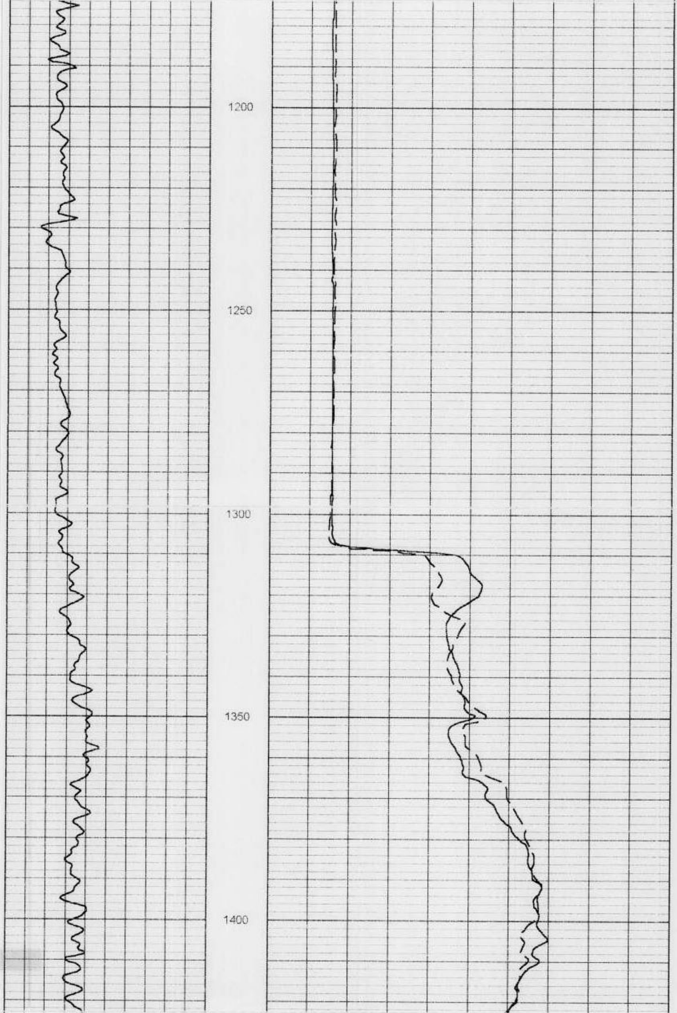
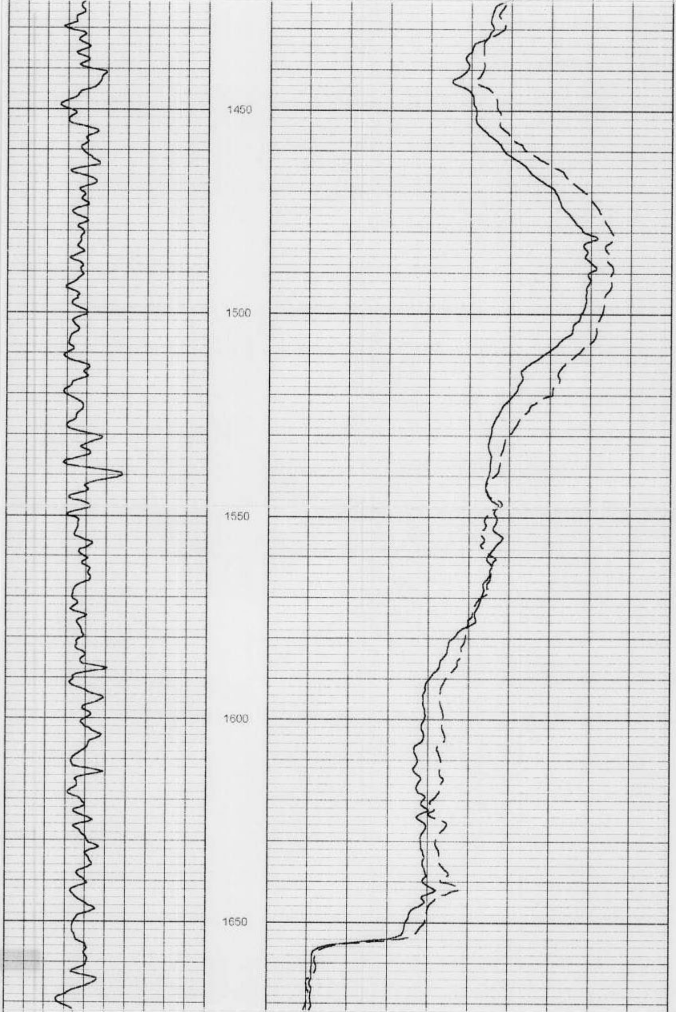
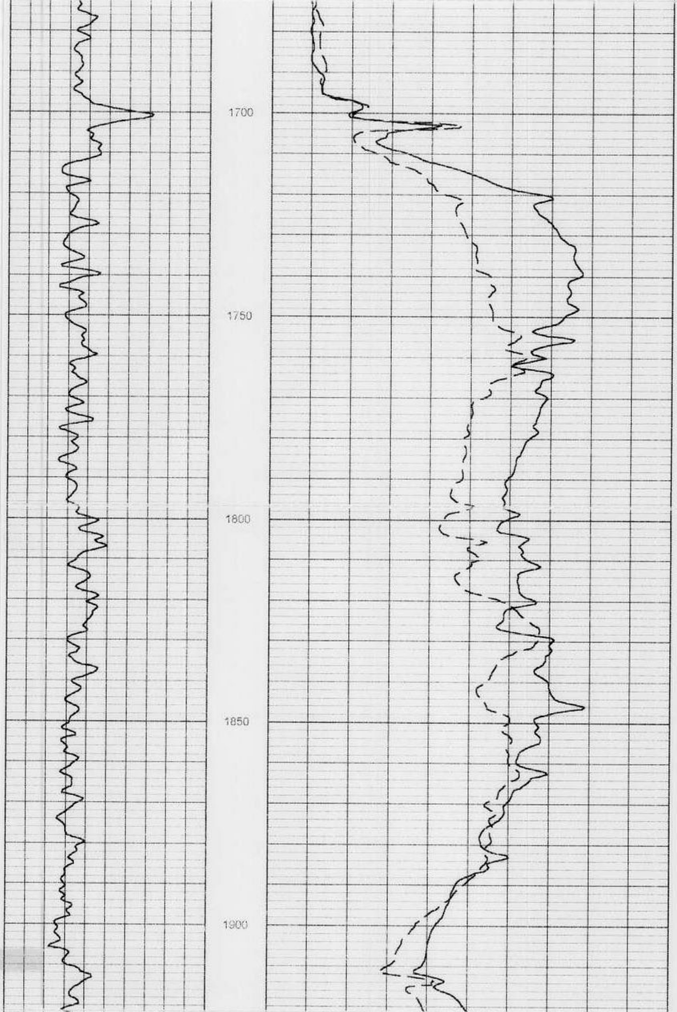
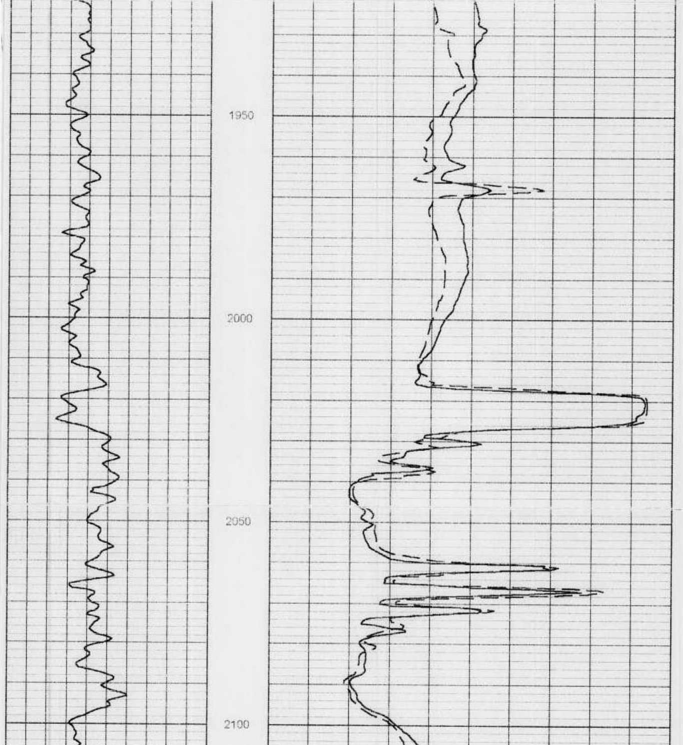
Date: Friday, June 15, 2001, at 08:43:53 AM
Plot: Plot created from: m2.npd

This software is protected by United States and International Copyright laws. It may not be duplicated, modified, reverse engineered or decompiled in any way. Digital Formation, Inc. cannot and does not assume any liability for the use of the software for any purpose. All Rights Reserved.