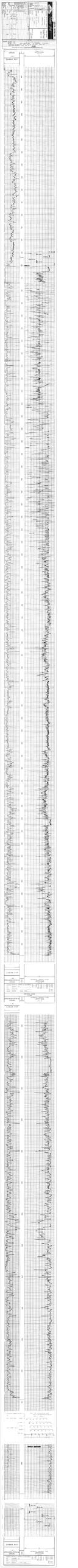
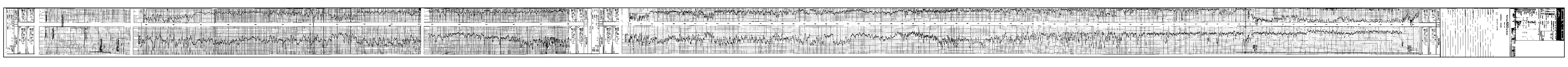
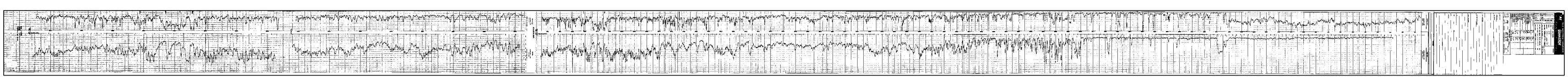




LANE WELLS

RADIOACTIVITY LOG

GAMMA RAY NEUTRON

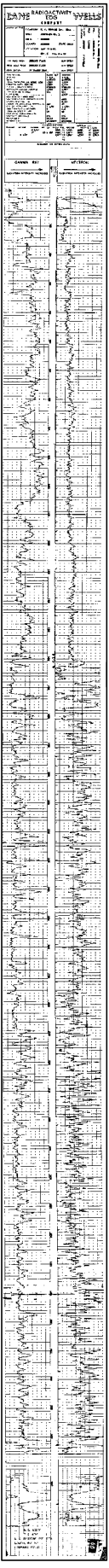


Schlumberger

Radiation Log

Schlumberger

Radiation Log


LANE
RADIOACTIVITY
LOG
WELLS
COMPANY
GAMMA RAY
NEUTRON

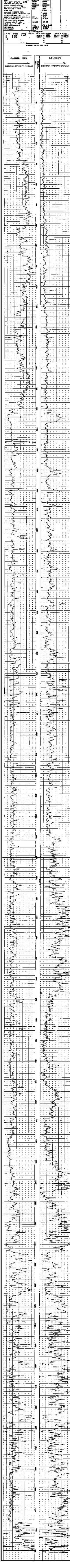
West Texas Electrical Log Service

A 2235C

LANE WELLS RADIOACTIVITY LOG COMPANY

CASING RECORD

GAMMA RAY	NEUTRON
RADIATION INTENSITY INCREASES →	RADIATION INTENSITY INCREASES →



JANE WELL

RADIOACTIVITY LOG

LEASE

COMPANY: CONTINENTAL OIL COMPANY
WELL: JANE WELL # 1
FIELD: WILDCAT
COUNTY: GRADY
STATE: OKLAHOMA
LOCATION: 1980 FSL & 1980 FEL

Other Services: GR-N

Permanent Datum: GROUND LEVEL
Log Measured From: KELLY BUSHING 12 FT. ABOVE PERM. DATUM
Drilling Measured From: KELLY BUSHING

API Serial No.	
Sec.	29
Twp.	7N
Rge.	6W

Date	27 JUNE 1955		
Run No.	ONE		
Depth-Driller	6,000 FT.		
Depth-Logger	6,000 FT.		
Bottom Logged Interval	6,000 FT.		
Top Logged Interval	5,000 FT.		
Type Fluid in Hole	SALT WATER		
Salinity, PPM Cl	150,000 PPM		
Density	10.0 LBS/GAL		
Level	FULL		
Max. Rec. Temp. Deg. F.	150° F.		
Operating Rig Time	12 HRS.		
Recorded By	J. SMITH		
Witnessed By	MR. JONES		

Run No.	Bit From	Bit To	Size	Type Bit	Type Fluid in Hole	Density	Visc.	Fluid Loss
ONE	0	6,000 FT.	7 7/8"	SMITH	SALT WATER	10.0 LBS/GAL	45 SEC.	8.0 CC

Run No.	Casing-Driller	Casing-Logger	Bottom Logged Interval	Top Logged Interval
ONE	8 5/8" @ 1,000 FT.	8 5/8" @ 1,000 FT.	6,000 FT.	5,000 FT.

Equipment: GR-N 27 JUNE 1955

CASING SIZE
GAMMA RAY
NEUTRON

GAMMA RAY (API UNITS) 0 — 100 — 200
NEUTRON (COUNTS PER MINUTE) 100 — 50 — 0

5,000
5,100
5,200
5,300
5,400
5,500
5,600
5,700
5,800
5,900
6,000

LANE WELLS

RADIOACTIVITY LOG

Company: Texas Pacific Coal & Oil Co.
Well: Smith No. 1
Field: Wildcat
County: Jackson State: Texas
Location: 660' N. & 660' W. of SE Cor. Sec. 1
Other Services: Induction-Electrical Log

Permanent Datum: Ground Elevation
Log Measured From: 10' Above Perm. Datum
Drilling Measured From: Kelly Bushing

Elev.: K.B. 1,000
D.F.
G.L. 990

Date: 10-15-52
Run No.: One
Type Log: Gamma Ray-Neutron
Depth-Driller: 6,000
Depth-Logger: 6,000
Bottom Logged Interval: 6,000
Top Logged Interval: 5,000
Type Fluid in Hole: Oil
Salinity, P.P.M. Cl: —
Fluid Level: Full
Max. Rec. Temp. Deg. F.: 140
Operating Rig Time: 12 Hrs.
Recorded By: J. Smith
Witnessed By: T. Jones

Run No.	Bit From	Bit To	Size	Type Fluid in Hole	Density	Viscosity	pH	Fluid Loss
One	Surface	6,000	7 7/8"	Oil	7.2	38	—	—

Run No.	Casing Driller	Casing Logger	Size	Wgt.	Grade	Type Joint
One	5,000	5,000	5 1/2"	14	J-55	Seamless

Equipment Number and Location: 5301 Houston

GAMMA RAY

NEUTRON

Gamma Ray Neutron Log
Lane Wells Company

Schlumberger
Well Services, Houston, Texas
USA

Mississippi MP MP 68867 N

LOGARITHMIC RESISTIVITY

Lateral log

Run No.	One
Date	10-14-62
Depth—Driller	10,000
Depth—Logger	10,000
Bottom Log Interval	9,998
Top Log Interval	2,000
Casing—Driller	10 3/4 @ 2,000
Casing—Logger	2,000
Bit Size	9 7/8
Type Fluid in Hole	Salt Gel
Density	10.0
Viscosity	50
Fluid Loss	10
Source of Sample	Flowline
R_m @ Meas. Temp.	.75 @ 80
R_mf @ Meas. Temp.	.60 @ 80
R_mc @ Meas. Temp.	.90 @ 80
Source R_mf / R_mc	Measured / Measured
R_m @ BHT	.40 @ 180
Time Since Circ.	12 hrs.
Max. Rec. Temp.	180
Equip. Location	3-3
Recorded By	Hall
Witnessed By	Mr. Hall

Run No. One — Date 10-14-62 — Depth—Driller 10,000 — Depth—Logger 10,000 — Bottom Log Interval 9,998 — Top Log Interval 2,000 — Casing—Driller 10 3/4 @ 2,000 — Casing—Logger 2,000 — Bit Size 9 7/8 — Type Fluid in Hole Salt Gel — Density 10.0 — Viscosity 50 — Fluid Loss 10 — Source of Sample Flowline — R_m @ Meas. Temp. .75 @ 80 — R_mf @ Meas. Temp. .60 @ 80 — R_mc @ Meas. Temp. .90 @ 80 — Source R_mf / R_mc Measured / Measured — R_m @ BHT .40 @ 180 — Time Since Circ. 12 hrs. — Max. Rec. Temp. 180 — Equip. Location 3-3 — Recorded By Hall — Witnessed By Mr. Hall

THIS IS NOT A COMPLETE REPRODUCTION OF
THE ORIGINAL FIELD PRINT, FOR ENLARGEMENT ONLY.

CONTRACTUAL INTERVAL (official)	RESISTIVITY (official)
2000	R_T (ohm-m) 0.2 2 20 200 2000
10000	R_MC (ohm-m) 0.2 2 20 200 2000

CONTRACTUAL INTERVAL (official)	RESISTIVITY (official)
2000	R_T (ohm-m) 0.2 2 20 200 2000
10000	R_MC (ohm-m) 0.2 2 20 200 2000

Great Lakes
Well Logging Service Inc.
SCHLUMBERGER
COMPANY GREAT LAKES WELL LOGGING SERVICE
WELL No. 1 SARAH WRIGHT 1H
FIELD WILDCAT
COUNTY ANTRIM STATE MICH.
LOCATION SEC. 1 T. 30 N. R. 5 W.
Other Services: NEUTRON
Permanent Datum: GROUND LEVEL Elev.: 1,111
Log Measured From: KELLY BUSHING 10 Ft. Above Perm. Datum
Drilling Measured From: KELLY BUSHING
API Serial No.:
Elevation: K.B. 1,121
D.F.
G.L.
Date: 1-13-58
Run No.: ONE
Depth-Driller: 1,000
Depth-Logger: 1,000
Bottom Logged Interval: 1,000
Top Logged Interval: 0
Type Fluid in Hole: WATER
Salinity, P.P.M. Cl:
Density: 8.4
Level: FULL
Max. Rec. Temp. Deg. F.: 70
Operating Rig Time:
Recorded By: J. SMITH
Witnessed By: MR. FRANCIS
Run No. | Bit From | Bit To | Size | Type Fluid in Hole | Density | Viscosity | Fluid Loss | Source of Sample | R_m @ Meas. Temp. | R_mf @ Meas. Temp. | R_mc @ Meas. Temp. | Source R_mf | Source R_mc | Rm @ BHT | Time Since Circ. | Max. Rec. Temp. Deg. F. | Equip. No. | Location
ONE | 0 | 1,000 | 6 3/4 | WATER | 8.4 | FULL | | | | | | | | | | 70 | | |
Max. Rec. Temp. Deg. F. 70
Equipment Data
Recorded By J. SMITH
Witnessed By MR. FRANCIS
RUN NO. ONE
DATE 1-13-58
TIME 0815
SEC. RECORD
CASING RECORD
CONTRACTOR RECORD
REM. TIME RECD
JOB 58
RIG 17
REMARKS
Run No. | Bit From | Bit To | Size | Wt. | Grade | Thread | Top | Bottom | Type Joint | Cemented | Amount | Type | Additives | Weight | Slurry Vol. | Type | Additives | Weight | Slurry Vol. | Top | Bottom | Max. Hole Temp. Deg. F. | Time Since Circ. | Time Logger on Bottom
ONE | 0 | 1,000 | 8 5/8 | 24 | | | 0 | 1,000 | | | | | | | | | | | | | | | |
EQUIPMENT INFORMATION
Remarks
LOCATION
RESISTIVITY
NORMAL
LATERAL
SPONTANEOUS POTENTIAL
RESISTIVITY
NORMAL
LATERAL
SPONTANEOUS POTENTIAL

Great Lakes
Williamson Services
NUCLEAR RADIATION LOG

COMPANY AMOCO PRODUCTION CO.

WELL WHITE HOUSE NO. 1-B

FIELD WILDCAT

COUNTY JEFFERSON STATE TEXAS

Location: 330' FSL & 330' FWL of
SURVEY A-1, BLOCK 2, T&NO RR CO.

Other Services:
CBL

Permanent Datum: GROUND LEVEL Elev.: 15
Log Measured From: KB 12 Ft. Above Perm. Datum
Drilling Measured From: KB

Date	7-1-83		
Run No.	ONE		
Depth-Driller	1000		
Depth-Logger	1000		
Bottom Logged Interval	1000		
Top Logged Interval	0		
Type Fluid in Hole	WATER		
Salinity, PPM Cl			
Density			
Level	FULL		
Max. Rec. Temp. Deg. F	80		
Operating Rig Time			
Recorded By	M. SIMMS		
Witnessed By	MR. TOM ROSS		

Run No. 1 — Bit Size 7 7/8 — Type Log GAMMA RAY NEUTRON

Casing	Wgt.	Grade	From	To
8 5/8	24	J-55	0	1000

Type Fluid WATER — Density — Viscosity — pH — Fluid Loss — Source of Sample PIT — Rm @ Meas. Temp. — Rmf @ Meas. Temp. — Rmc @ Meas. Temp. — Source of Rmf and Rmc — Rm @ BHT — Time Since Circ. — Max. Rec. Temp. Deg. F 80 — Equip. No. & Location — Recorded By M. SIMMS — Witnessed By MR. TOM ROSS

Remarks: RUN TO CHECK CEMENT BOND

Thank You

GAMMA RAY
API GAMMA RAY UNITS
0 — 100

NEUTRON
API NEUTRON UNITS
60 — 0

CASING COLLAR LOCATOR

TENSION
LBS
0 — 1000

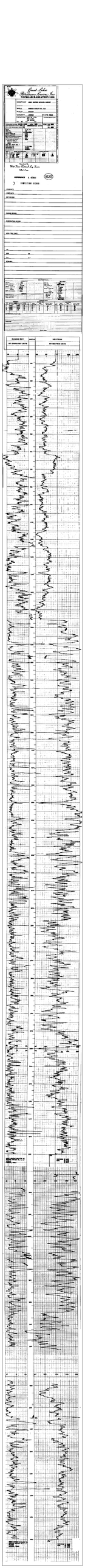
CEMENT BOND LOG
AMPLITUDE IN MILLIVOLTS
0 — 10

VARIABLE DENSITY LOG

CBL
VDL

Scale 1" = 100'

Great Lakes Williamson Services



SCHLUMBERGER WELL SURVEYING CORPORATION

Electrical Log

COUNTY	Andrews
FIELD or LOCATION	Smith-Clearfork
WELL	Hall-McWhorter #1
COMPANY	Fair-Woodward

COMPANY FAIR-WOODWARD

WELL HALL-McWHORTER #1

FIELD SMITH-CLEARFORK

LOCATION PSL SURVEY

COUNTY ANDREWS

STATE TEXAS

Location of Well: 1980' fr N&E/L Sec.8,Blk.A-29 PSL Survey

Elevation: D.F.: 3496'
K.B.:
or G.L.:

FILING No.

RUN No.	1				
Date	4-8-51				
First Reading	7503				
Last Reading	4286				
Feet Measured	3217				
Csg. Schlum.	4286				
Csg. Driller	4285				
Depth Reached	7506				
Bottom Driller	7500				
Depth Datum	15' abv.KT - 12' abv.G.L.				
Mud Nat.	Caustic-Soda Ash				
" Density	9.3				
" Viscosity	32				
" Resist.	1.58 @ 70°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.02 @ 120°F	@ °F	@ °F	@ °F	@ °F
" pH	7 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	6.5 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	120				
Bit Size	8 3/4-7423-6 1/4"				
Spcgs.—AM	10"				
AO	32"LS				
AO	19'				
Opr. Rig Time	6 hrs.				
Truck No.	570-Hobbs				
Recorded By	Scott				
Witnessed By	O'Neil				

REMARKS: Mud sample from flow line.

SPONTANEOUS-POTENTIAL millivolts — 10 + — Radioactivity increases

DEPTHS

RESISTIVITY -ohms. m²/m — 0 10" Normal 125 — 0 1250 — 0 125

7503 FR
7506 TD

MicroLog

MUD RESISTIVITY L.O. @120°F (BHT)

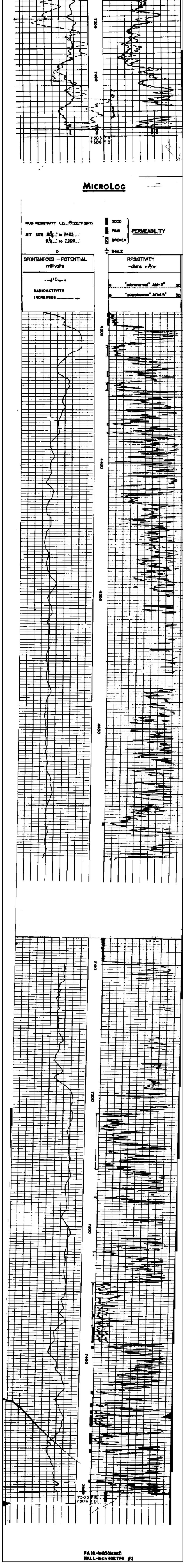
BIT SIZE 8 3/4" to 7423
6 1/4" to 7503

GOOD / FAIR / BROKEN — PERMEABILITY

SHALE

SPONTANEOUS — POTENTIAL millivolts — 10 + — RADIOACTIVITY INCREASES

RESISTIVITY -ohms m²/m — 0 "micronormal" AM=2" 30 — 0 "microinverse" AO=1.5" 30



7503 FR
7506 TD

FAIR-WOODWARD
HALL-McWHORTER #1