SCHLUMBERGER

GAMMA RAY

COMPANY LACLEDE GAS COMPANY
WELL E. HADE #1-S
FIELD N.A.
COUNTY ST. LOUIS STATE MISSOURI
Location: 2.2 Mi. 42N. from 3C
Sec. 36 Twp. 45N Rge. 7E
Other Services: CDM
Permanent Datum: GROUND LEVEL Elev. 0
Log Measured From: K.B. 22 Ft. Above Perm. Datum
Drilling Measured From: K.B. G.L.519

COUNTY
FIELD or LOCATION
WELL
COMPANY

Run No.	ONE		
Date	7-8-82		
Depth Driller	495		
Depth Logger	494		
Bottom Logged Interval	494		
Top Log Interval	SURFACE		
Casing Driller	8 5/8 @ 24		
Casing Logger	24		
Bit Size	6 3/4		
Type Fluid in Hole	WATER		
Density	N.A.		
Viscosity	N.A.		
Fluid Level	FULL		
Max. Rec. Temp. °F	90		
Equipment No.	3022		
Location	BARRAL		
Recorded By	R. CLEVELAND		
Witnessed By	N.A.		

Scintillation Counter	
Type	SCINT
Serial No.	3022
Gain	2
Time Const.	2
Sensitivity	300
Calibration Type	CAL
Calibration Value	300
Calibration Date	7-8-82
Calibration Time	11:00
Calibrated By	R. CLEVELAND

Run No.	From	To	Speed Ft/Min.	T.C. Sec.	Sens. Settings	Zero Div. 1 or 8	API G.R. Units per Log Div.
1	TD	SURF	40	2	300	0	12

Remarks: GR BACKGROUND 120 CPS
GR CAL .110 560 CPS

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

EQUIPMENT DATA
Gamma Ray

Reference Literature:

Run No.	ONE		
Tool Model No.	GNT-5G		
Diameter	3 1/2		
Det's Model No.	SGD-F 530		
Type	SCINT		
Length	8'		

General

Hoist Truck No.	3022		
Inst. Truck No.	3022		
Tool Serial No.	GNC-H 184		
Location	Nr. CARROLL		

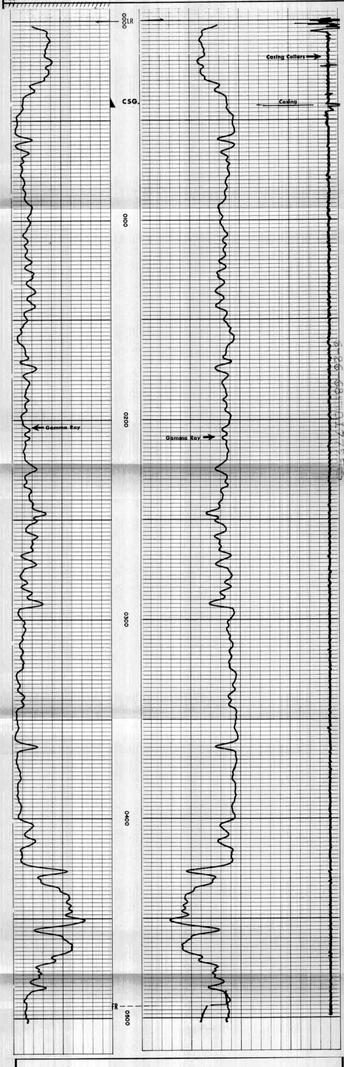
LOGGING DATA

General Depths Run No.	From	To	Speed Ft/Min.	T.C. Sec.	Sens. Settings	Gamma Ray Zero Div. 1 or 8	API G.R. Units per Log Div.
1	TD	SURF	40	2	300	0	12

Remarks: GR BACKGROUND 120 CPS
GR CAL .110 560 CPS

GAMMA RAY API units | Depths | GAMMA RAY API units

INTERVAL: from ft. to ft.
Sensitivity 300 Time Constant 2 sec. Logging Speed 40 ft./min.
ZERO divisions to left of this line. ZERO divisions to right of this line.



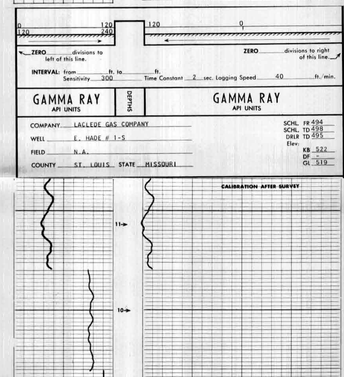
0 120 240 — 120 0

ZERO divisions to left of this line. ZERO divisions to right of this line.

INTERVAL: from ft. to ft.
Sensitivity 300 Time Constant 2 sec. Logging Speed 40 ft./min.

GAMMA RAY API UNITS | Depths | GAMMA RAY API UNITS

COMPANY LACLEDE GAS COMPANY
WELL E. HADE # 1-S
FIELD N.A.
COUNTY ST. LOUIS STATE MISSOURI

SCHL. PB 494
SCHL. TD 498
DRLR TD 495
Elev.:
KB 522
DF
GL 519

CALIBRATION AFTER SURVEY