SCHLUMBERGER

GAMMA RAY - NEUTRON

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY ST. LOUIS
FIELD or LOCATION FLORISSANT N/A
WELL UHLIG #1 UGS
COMPANY LACLEDE GAS CO.

COMPANY LACLEDE GAS COMPANY
WELL UHLIG #1 UGS
FIELD FLORISSANT
COUNTY ST. LOUIS STATE MISSOURI
Location: N/A
Sec. Twp. Rge.
Other Services: NONE

Permanent Datum: GROUND LEVEL ; Elev.: 555
Log Measured From KB , 9 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 564
D.F.
G.L. 555

Date	11-26-62
Run No.	ONE
Type Log	GRN
Depth—Driller	1444
Depth—Logger	1443
Bottom logged interval	1443
Top logged interval	100
Type fluid in hole	GAS
Salinity, PPM Cl.	-
Density	-
Level	-
Max rec. temp., deg F.	-
Operating rig time	1 1/2 HRS.
Recorded by	MCCLUSKEY
Witnessed by	THOMAS

BORE-HOLE RECORD				CASING RECORD			
Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	13 3/4	KB	1153	16	-	KB	135
ONE	9 7/8	KB	1420	10 3/4	-	KB	1150
ONE	6 1/8	1425	1445	7"	-	KB	1425
				2 3/8 EUE		KB	1444

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

Gamma Ray		Neutron	
Run No.	ONE	Run No.	ONE
Tool Model No.	GNT-J	Log Type	N-G+N-N THERM (COMBINATION)
Diameter	1 11/16"	Tool Model No.	GNT-J
Det'r Model No.	SGD-H	Diameter	1 11/16"
Type	SCINT.	Det'r Model No.	NLD-K
Length	8"	Type	GM
Dist. to N. Source	100 1/4"	Length	6"
General		Source Model No.	NLS-L
Hoist Truck No.		Serial No.	M-843
Inst. Truck No.	2950	Spacing	16" C-C
Tool Serial No.	SEE REMARKS	Type	PU BE
Location	LINCOLN	Strength	9 X 10^6

LOGGING DATA

Run No.	Depths From	Depths To	Speed Ft/Min.	GR T.C. Sec.	GR Sens. Settings	GR Zero Div. L or R	API G.R. Units per Log Div.	N T.C. Sec.	N Sens. Settings	N Zero Div. L or R	API N. Units per Log Div.
ONE	100	1443	30	2	150	0	6	2	600	12L	120

Reference Literature:

Remarks: GNT-J CONSISTING OF GNH-J-5, GNC-J-7, SGC-A-24, SGD-H-37, NLD-K-8, NLS-L-24, CCL-T-11

GAMMA RAY
API UNITS
0 60
60 120

DEPTHS

NEUTRON
API UNITS
1440 2640 3840
CORRECTED COLLARS
COLLARS RECORDED 12'5" DEEP

GAMMA RAY
API UNITS

DEPTHS

NEUTRON
API UNITS

COMPANY LACLEDE GAS CO.
WELL UHLIG #1 UGS
FIELD FLORISSANT
COUNTY ST. LOUIS STATE MISSOURI
Rm @ °F
Rmf @ °F
Rmc @ °F
BHT °F
SWSC FR 1443
SWSC TD 1443
DRLR TD 1444
Elev: KB 564
DF
GL 555

RADIOACTIVITY CALIBRATION DATA

SCHLUMBERGER LOCATION NEUTRON CALIBRATION

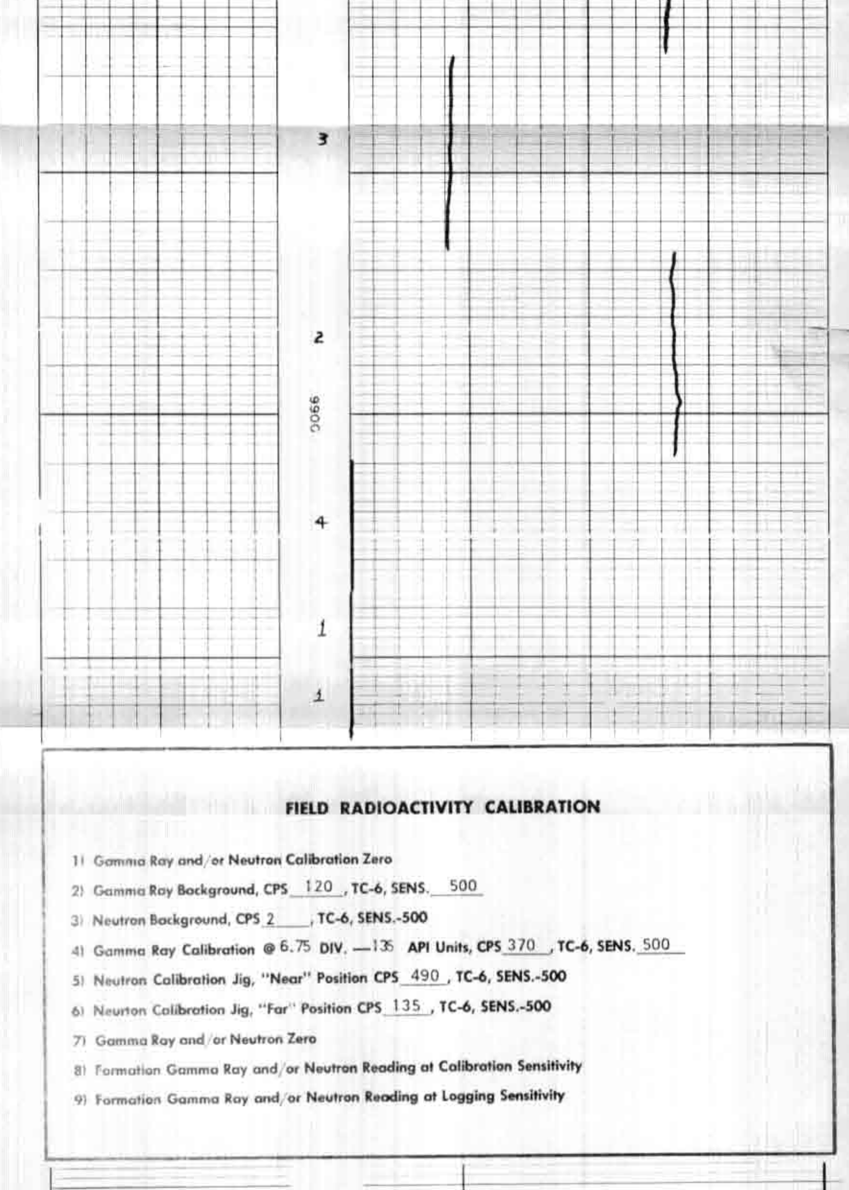
SENS = 500 TC = 6 SEC

DATE NOVEMBER 8, 1962 MARION

EQUIPT SERIAL NOS: GNC -J - 7 . SGD -H - 37 .
NDH - - . NLD -K - 8 . NLS - L - 24 . NCT - B-66 . T.S. # .

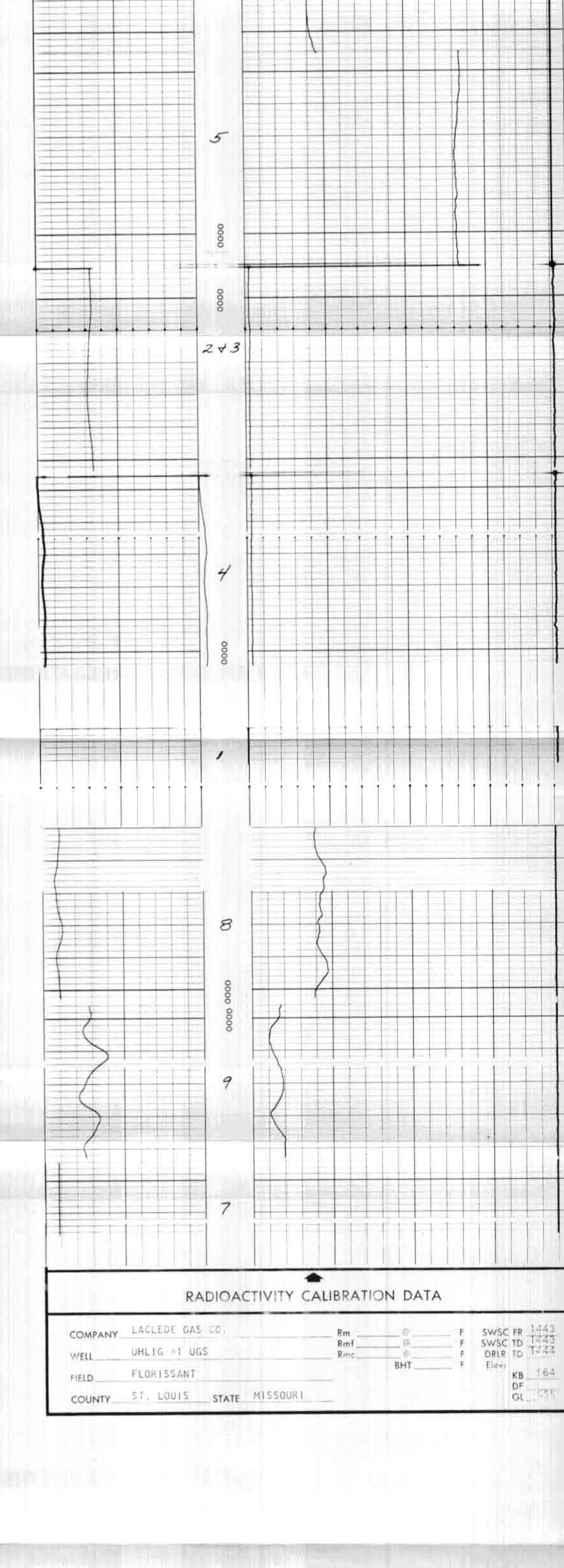
1) Mechanical and Electrical Zero
2) NCT-B Calibrating Tank 490 CPS
3) Water Tank 150 CPS
4) Background in Air 4 CPS
5) Mechanical and Electrical Zero
6) Calibration Jig "Close" Position 490 CPS
7) Calibration Jig "Far" Position 150 CPS
8) Background in Air 4 CPS
9) Mechanical and Electrical Zero

CAL. TANK TEMPERATURE 63° F.
WATER TANK TEMPERATURE 46° F.



FIELD RADIOACTIVITY CALIBRATION

1) Gamma Ray and/or Neutron Calibration Zero
2) Gamma Ray Background, CPS 120 , TC-6, SENS. 500
3) Neutron Background, CPS 2 , TC-6, SENS.-500
4) Gamma Ray Calibration @ 6.75 DIV. —135 API Units, CPS 370 , TC-6, SENS. 500
5) Neutron Calibration Jig, "Near" Position CPS 490 , TC-6, SENS.-500
6) Neurton Calibration Jig, "Far" Position CPS 135 , TC-6, SENS.-500
7) Gamma Ray and/or Neutron Zero
8) Formation Gamma Ray and/or Neutron Reading at Calibration Sensitivity
9) Formation Gamma Ray and/or Neutron Reading at Logging Sensitivity



RADIOACTIVITY CALIBRATION DATA

COMPANY LACLEDE GAS CO.
WELL UHLIG #1 UGS
FIELD FLORISSANT
COUNTY ST. LOUIS STATE MISSOURI
Rm @ F
Rmf @ F
Rmc @ F
BHT F
SWSC FR 1443
SWSC TD 1443
DRLR TD 1444
Elev: KB 564
DF
GL 555