SCHLUMBERGER

MICROLOG
(WITH CALIPER)

COUNTY ____
FIELD or LOCATION ____
WELL ____
COMPANY ____

COMPANY LACLEDE GAS COMPANY
WELL METROPOLITAN SEWAGE DISTRICT #1 UGS
FIELD FLORISSANT
COUNTY ST. LOUIS STATE MISSOURI
LOCATION 2000' WL 1305 SL
Sec. 18 Twp. 47N Rge. 6E

Other Services: CDM, GRN, FDC-C

Permanent Datum: GROUND LEVEL, Elev. 475.487
Log Measured From K.B., 12 Ft. Above Perm. Datum
Drilling Measured From K.B.
Elev.: K.B. 487/477, D.F. -, G.L. 475/487

Date	4-29-67			
Run No.	ONE			
Depth—Driller	1745			
Depth—Logger	1743			
Btm. Log Interval	1742			
Top Log Interval	162			
Casing—Driller	10 3/4 @ 184 162	@	@	@
Casing—Logger	162			
Bit Size	8 3/4			
Type Fluid in Hole	GEL			
Dens. | Visc.	11.4 | 54			
pH | Fluid Loss	- | - ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	2.48 @ 81 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	2.0 @ 80 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	3.2 @ 80 °F	@ °F	@ °F	@ °F
Source: R_{mf} R_{mc}	MP | MP			
R_m @ BHT	2.35 @ 85 °F	@ °F	@ °F	@ °F
Time Since Circ.	2 HOURS			
Max. Rec. Temp.	85 °F	°F	°F	°F
Equip. | Location	3002 | LINC.			
Recorded By	LYNN			
Witnessed By	VOGEL			

FOLD HERE

REMARKS ____

Changes in Mud Type or Additional Samples				
Date | Sample No.				
Depth—Driller				
Type Fluid in Hole				
Dens. | Visc.				
ph | Fluid Loss		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
ONE	MLT		

Equip. Used: PANEL No. A-12
SONDE No. B-11

Mud Log: Rm: 2.4
Depth: 1500

4-29-67NED0039110

MICROCALIPER
Hole Diameter in Inches

DEPTHS

RESISTIVITY
ohms — m²/m

Micro Inverse 1" x 1": 0 — 100 — 200
Micro Normal 2": 0 — 100 — 200

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COUNTY ST. LOUIS STATE MISSOURI

Rm 2.48 @ 81 °F SWSC FR 1742
Rmf 2.0 @ 80 °F SWSC TD 1743
Rmc 3.2 @ 80 °F DRLR TD 1745
BHT 85 °F Elev: KB 487, DF ____, GL 475