

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by A.D. Source of data Bowc Date 4-71 Map _____

State 28 County Calaveras (or town) 19

Latitude: 34° 08' 30" N Longitude: 090° 27' 45" W Sequential number: 1

Lat-long accuracy: 3 T. 26 S. R. 3 E. Sec 8, SW 1/4, NE 1/4

Local well number: MD06CA0526NO3W Other number: _____ B & M

Local use: 064 Owner or name: LURAND WA Address: 2000

Ownership: (C) County, (F) Fed Gov't, (M) City, Corp or Co, (N) Private, (P) State Agency, (S) Water Dist. N

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Recharge, (W) Desal-P S, (X) Desal-other, (Y) Other. P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (I) Obs, (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Y) Destroyed. W

DATA AVAILABLE: Well data Freq. W/L meas: Field aquifer char.

Hyd. lab. data: _____

Qual. water data; type: USGS 10-18-72

Freq. sampling: Pumpage inventory: yes no period: _____

Aperture cards: _____ yes no D

Log data: _____

SEP 24 1973

WL Data

12/1/88

WL=17.65

754

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1220 ft Meas. rept accuracy 3

Depth cased: (first perf.) 1190 ft Casing type: STE; Diam. 4 in

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (P) perf., (S) screen, (T) sd. pt., (W) shored, (X) open hole, (Y) other. S

Method: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd rot., (J) jetted, (P) air percussion, (R) reverse, (T) trenching, (V) driven, (W) drive wash, (X) other. H

Date Drilled: 967 Pump intake setting: _____ ft

Driller: _____ name _____ address _____

Lift (type): (A) air, (B) bucket, (C) cent, (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, (X) other. T Deep Shallow

Power (type): (nat) diesel, (elec) elec, (gas) gas, (hand) hand, (LP) gas, (wind) wind; H.P. 1 Trans. or meter no. _____

Descrip. MP _____ ft above _____ ft below LSD, Alt. MP _____

Alt. LSD: 160 Accuracy: (source) 3

Water Level: 2 ft above MP; Ft. below LSD 72 Accuracy: _____

Date meas: 107 Yield: 100 gpm Method determined 1

Drawdown: _____ ft Accuracy: _____ Pumping period: _____ hrs

QUALITY OF WATER DATA: Iron _____ ppm Sulfate _____ ppm Chloride _____ ppm Hard. _____ ppm

Sp. Conduct 100 K x 10 4 Temp. 73 °C Date sampled 10-17-72 072

Taste, color, etc. CH: 3.2

RECORDED AND VERIFIED
FEDERAL BUREAU OF SURVEY
WATER RESOURCES DIVISION

Well No.

16

Well No. 1116

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: _____

E Drainage Basin: 15H Subbasin: _____

(D) depression, stream channel, dunes, flat, hilltop, sink, swamp, well site: (Ø) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat _____

MAJOR AQUIFER: system _____ series TE aquifer, formation, group MW

Lithology: _____ Origin: 2 Aquifer Thickness: 65 ft

Length of well open to: _____ ft 30 Depth to top of: 1157 ft 115

MINOR AQUIFER: system _____ series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft

Length of well open to: _____ ft _____ Depth to top of: _____ ft _____

Intervals Screened: 4 S.S.

Depth to consolidated rock: _____ ft _____ Source of data: _____

Depth to basement: _____ ft _____ Source of data: _____

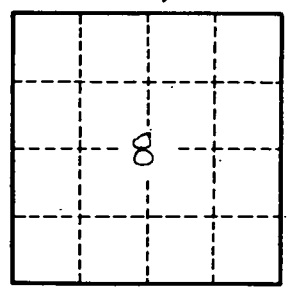
Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft _____ Coefficient Storage: _____

Coefficient Perm: _____ gpd/ft²; Spec cap: 1.6 gpm/ft; Number of geologic cards: _____

8hr. pumping test by driller
3-23-67
82' of dd @ 130 gpm
specific capacity = 1.6 gpm/ft. of dd

Engineer: Jerr Haley Associates, Orlando



Well No. _____

Coahoma
ML
1-67

MISSISSIPPI
BOARD OF WATER COMMISSIONERS
416 North State Street
Jackson, Mississippi 39201

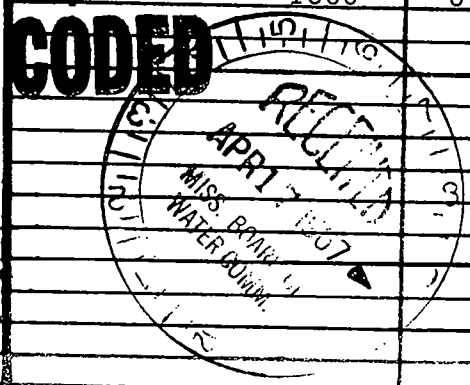
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WATER WELL DRILLERS LOG

Jan. 17, 1967 Layne-Central Co. Coahoma
date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
Lu-Rand Water Association	Clay	12	12
Clarksdale, Mississippi (mailing address)	sand	98	86
	gravel	120	22
	rock	122	2
WELL LOCATION:	gravel	144	22
sec. 8 T26N R3E	rock	146	2
3 miles SE of Clarksdale	gravel	152	6
(distance) (direction) (nearest town)	sand	165	13
WELL PURPOSE: Municipal	clay	212	47
(home, irrigation, municipal, industrial)	sand	302	90
	sandy clay	375	73
WELL COMPLETION DATA:	sand	435	60
(1) diameter (inches) 8"	clay	662	227
(2) total depth (feet) 1220'	rocks-clay	696	34
(3) static water level (feet) 2' above top of ground.	clay	752	56
(4) casing steel pipe 1190'	rock	753	1
(material) (depth)	shale-rock sts	863	110
8" if telescope see back.	sandy shale	903	40
(size)	clay	948	45
(5) screen 30' 1190'	sand-clay sts	980	32
(length) (depth to top)	clay	1041	61
4" s.s. Keystone	sandy shale	1079	38
(size) (material)	shale	1099	20
(6) pump 10 100	fine sand-shale	1157	58
(HP) (yield gpm)	sand	1222	65
electric	clay-sand sts.	1245	23
(type power)	rock	1246	1
(7) electric log no	clay	1300	54
(yes or no)			
(organization running log)			
(8) how well bottom plugged 4" BPV			
DRILLERS REMARKS:			

CODED

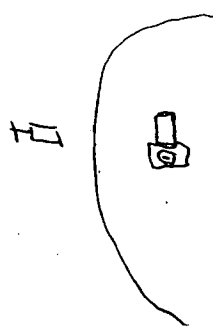


DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Grantham DATE: 9-6-96
UNIT DEQ #: _____ FILE #: A90616A
HEALTH DEPT. #: 140009-01 ELEV. 160
USGS #: M6 OLWR #: MS-GW-12774
OWNER: LuRond Utility Dist
LOCATION: NW, NW, SE, S 8 T 26N R 3W COUNTY: Cochran
LOCATION DESCRIPTION: _____
CASING DIA: _____ PUMP TYPE & SIZE: Juv
GPS FIELD LOCATION: LAT. 3408275 LONG. 9031.705
GPS CORRECTED LOCATION: LAT. 34.13781500 LONG. 90.52769328
REMARKS: Clarksdale Quad.

1967
1220



**APPLICATION FOR PERMIT TO DIVERT RECEIVED
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

FEB 18 2000

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES

P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202
Dept. of Environmental Quality
Office of Land & Water Resources (9/94)

This box is for office use only.

3-28-00 AGN.

Issued: <u>7-24-90</u>	Expires: <u>3-28-2010</u>	Fee Paid: <u>X</u>	Permit No.
Lat. <u>340815</u>	Long. <u>903139</u>	Elev. <u>158</u>	USGS No. <u>M6</u>
Quad. <u>Clarksdale</u>	ASCS Farm No.	STAC.	MSDOH No. <u>140009-01</u>
Aquifer: <u>MWX</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-GW-12774

THIS APPLICATION IS FOR (Circle one): GROUNDWATER COMPLETE A,B,E

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal, Rural Water, or Private Water 2) Irrigation
3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant)
8) Fire Protection 9) Livestock 10) Flood Protection 11) Other: _____

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: Lurand Utility District 140009
(Name) (SSN or Tax ID No.)
157 Adams Circle - Lurand
(Address)
Clarksdale Ms 38614 (662) 424-2653
(City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

(Name) _____ (SSN or Tax ID No.) _____
(Address) _____
(City) _____ (State & Zip) _____ (Telephone) _____

MAP sent

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

NW 1/4 of the SE 1/4 of Section 8, Township 26N, Range 3W, County Coahoma

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number. _____

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Meridian-Upper Wilcox Aq. MISSISSIPPI DEPARTMENT OF HEALTH NO.: _____

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? November 29 1-17 1967 Under whose name was well originally drilled (if known)? Lurand Water Assn.

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 1220 feet. DRILLER: Layne Central
(b) SURFACE CASING: Length 310 feet; Diameter 8 inches; Type Steel pipe
(c) SCREEN: Length 30 feet; Diameter 4 inches; Type S.E.S. KEYSTONE & STAINLESS STEEL SHUTTER
(d) PUMP: Type ELECTRIC Vertical Turbine; Size 100; Capacity 40 gallons per minute; Setting depth 25 feet
(e) POWER UNIT: Type _____; Size _____ horsepower

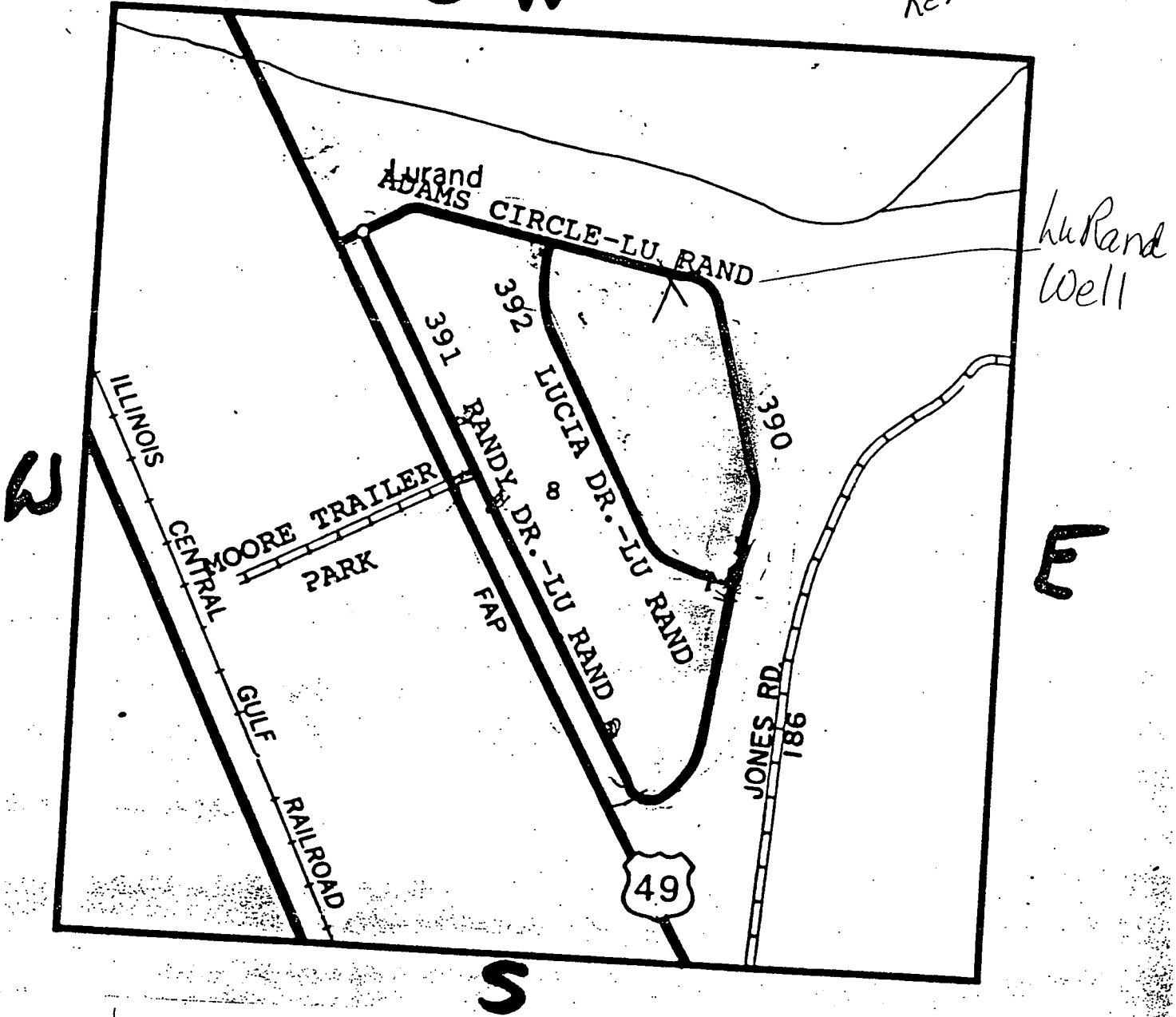
4. PERMITTED VOLUME :
(a) 0.03 acre-feet per year at a maximum rate of 40 gallons per minute
(b) 17,390 .04 million gallons per day at a maximum rate of 40 100 gallons per minute

03 M³
2/23/00

(CONTINUED ON BACK)

Clarksdale N

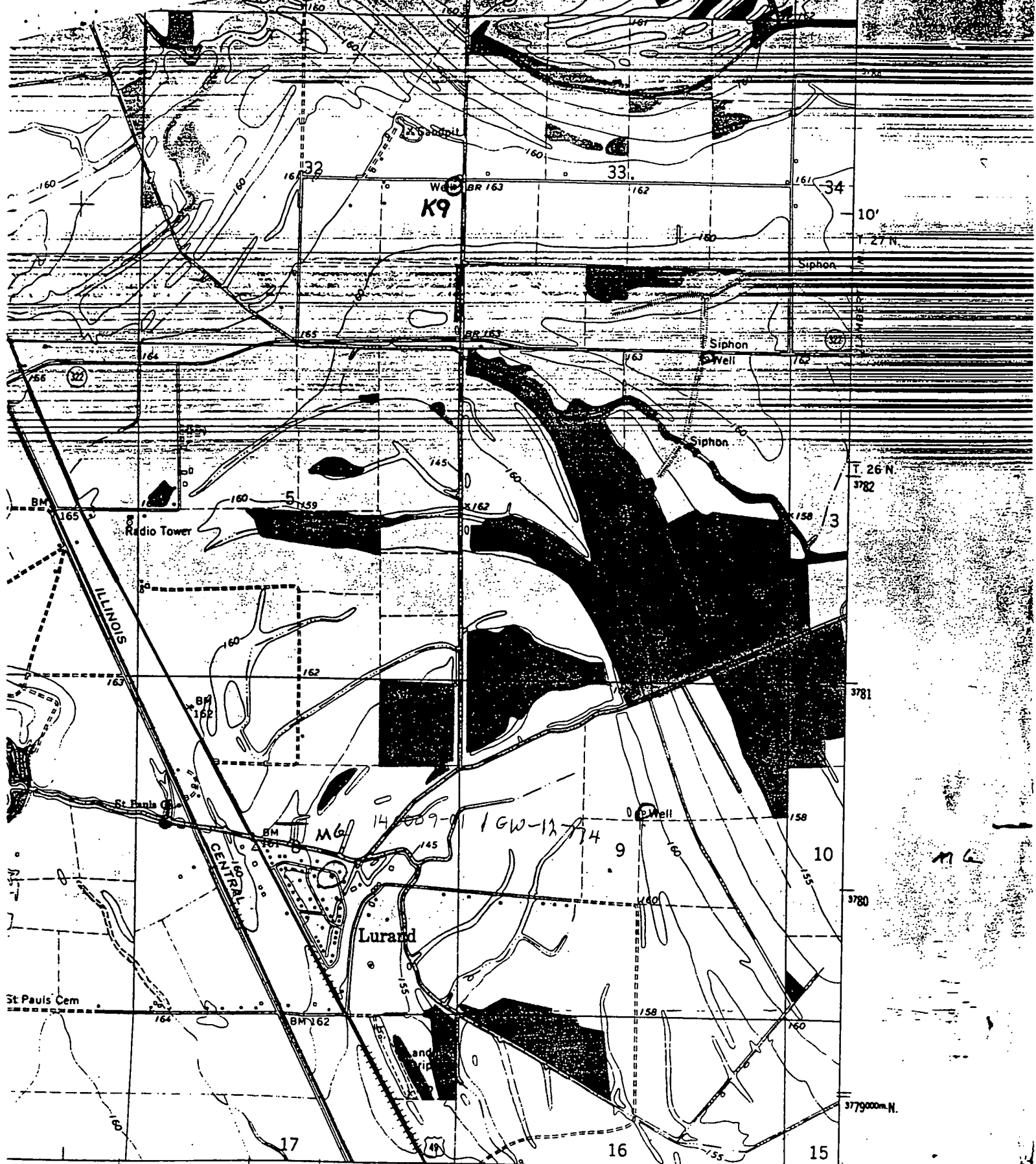
GW -
12774
Renewal



RECEIVED

FEB 18 2000

Dept. of Environmental Quality
Office of Land & Water Resources



32'30" 172

728000m.E | MATTSO 2.3 MI. TUTWILER 10 MI.

● ● INTERIOR—GEOLOGICAL SURVEY, WASHINGTON | D. C.—1988

34°07'30" 90° 30'

ROAD CLASSIFICATION

- Heavy-duty ————— Light-duty —————
- Medium-duty ————— Unimproved dirt - - - - -
- U. S. Route (shield symbol) State Route (circle symbol)

MILE



(TUTWILER)
2552 11 SW