

TRANSMITTED FOR ADP

Coded By Q 5/86
Checked By JRS
Entered By LISA
Date 8-22-89

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

Well No. J100
E-Log No.
County DESOTO
Agency

WELL RECORD

Agency Code: USGS, Site Id: 134470709011053011, Project No: 5, Station Name: 12 J100 KOKO REEF LAKE, Latitude: 9 344707, Longitude: 10 09011053, Lat/Long Ac: SFTM, Dist: 6-28, State: 7-28, County: 8 0331, Land Net: NW 13 NW NW S132 T10 S18 R19 W, Location Map: 14, Altitude: 16 2150, Met/Meas: 17 A L M, Accuracy: 18 15.1, Hydrologic Unit: 20 018103102104

Agency Use: 803 A I O, Date Inventoried: 711, Station Type: Y, Data Type: 804

Instru: 805, Remarks: 806, Relis: 3 C L M O, 2 W X

Date of Construction: 21 11/10/1973, Well Use: 23 W, Water Use: 24 P, Primary Aquifer: 714 1248 P R T, Hole Depth: 27

Well Depth: 28 1387, Water Level: 30 55, Water Level Date: 31 11/10/1973, Method: 34, Status: 37, Source: 33 D

CONSTRUCTION DATA

R=58, T=A, 723#1, Construction Date: 60 11/10/1973, Contractor: 63 3811, Name: Bob Smith, Method: 65 H, Finish: 66 S

CONSTRUCTION CASING DATA

R=76, T=A, 725#1, 59#1, Top/Casing: 77 1101, Bot/Casing: 78 1317, Diameter: 79 14

R=76, T=A, 725#2, 59#1, Top/Casing: 77, Bot/Casing: 78, Diameter: 79

CONSTRUCTION OPENINGS DATA

R=82, T=A, 726#2, 59#1, Top/Depth: 83 1317, Bot/Depth: 84 1387, Diameter: 87 13, Type: 85 S, Length: 89, Width: 88 1010

R=82, T=A, 726#2, 59#1, Top/Depth: 83, Bot/Depth: 84, Diameter: 87, Type: 85, Length: 89, Width: 88

CONSTRUCTION LIFT DATA

R=42, T=A, 254#1, Lift Type: 43 S, Date: 38 11/10/1973, Intake: 44 1105

Power: 45 F, H.P: 46 110, Serial No: 49

MISCELLANEOUS OWNER DATA

R=158, T=A, 718#1, Date of Ownership: 159 11/10/1973, Owner Name: 161 KOKO REEF LK

MISCELLANEOUS OTHER ID DATA

R=189, T=A, 736#1, E-Log No: 190, Assigner: 191 M I S S I S S I D I S T

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement	193# / / *	Aquifer Sampled	195# *	Par. Code	196#00010	Value	197# *
R=192	T=A	738#2	Date of Measurement	193# / / *	Aquifer Sampled	195# *	Par. Code	196#00095	Value	197# *
R=192	T=A	738#3	Date of Measurement	193# / / *	Aquifer Sampled	195# *	Par. Code	196#00400	Value	197# *

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type	199# *	Beg. Depth	200# *	End Depth	201# *
R=198	T=A	739#1	Log Type	199# *	Beg. Depth	200# *	End Depth	201# *

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Network Type	706# *	Beg. Year	115# 9 *	End Year	116# 9 *
R=121	T=A	730#1	Analysis	120# *	Agency Source	117# *	Freq.	118# *

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks	184# / / *	Remarks	185# *
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DISCHARGE DATA

R=146	T=A	147#1	148# / / 1973 *	703# P F	150# 3100 *	272# *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top	91# *	Depth Bot.	92# *	Unit Id	93# 124SIPRTI *	304 = P *
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100# *	103# *
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DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

SHB & PEG GPS LOG

USER NAME(S): JAR / DKS DATE: 8-21-96
UNIT DEQ #: 84090 FILE #: ~~15072622C~~
HEALTH DEPT. #: 170033-02 ELEV. 250 ^{Q082121D}
USGS #: 514 J100 OLWR #: GW14327
OWNER: KOKO REEF WATER & SYSTEM
LOCATION: SE/NW/NW S 32 T 35 R 9W COUNTY: DeSoto
LOCATION DESCRIPTION: Well N. side of dam 40' N. of
BANKS Quad
emerging spillway
CASING DIA: 6" PUMP TYPE & SIZE: Sub /
GPS FIELD LOCATION: LAT. ~~34-46-035 N~~ LONG. ~~90-10-520 W~~
34° 47' 232 90° 10' 906
GPS CORRECTED LOCATION: LAT. 34.78390809 LONG. 90.18059518

REMARKS: _____

Problem with

Tags switched?

X

SPRT

5 100

FORM BLW-AP-1

(rev. 10/88)

AMM

The box below is for office use only.

Issued: <u>7/28/92</u>	Expires: <u>7/28/02</u>	Fee Paid: <u>X</u>	Permit No. <u>GW-14327</u>
Lat. <u>344714</u>	Long. <u>901054</u>	Elev. <u>273</u>	USGS No.
Quad. <u>Banks</u>	Dist.		Basin No. <u>08030204</u>
STAC			Dam Inv. No.
			Dam appl. No.

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39209-0631

RECEIVED

JUN 11 1992

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

This application is for (circle one): GROUNDWATER SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal Rural Water Association Industrial
 Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby
 Fire Protection Flood Protection Other: _____

LANDOWNER:

Koko Reef Water System/Koko Reef Property Assn. ^{Trk Number}
 (Name) OWNERS 62-1078016 (S/S or Tax ID No.)
P.O. Box 639 Rt 1
 (Address)
Hernando, Mississippi 38632 (901) 785-5738
 (City) (State and Zip) (Telephone Number)

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

(Name) _____ (S/S or Tax ID No.) _____
 (Address) _____
 (City) _____ (State and Zip) _____ (Telephone Number) _____

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

SW ^{SW} ²⁹ 1/4 of the SW 1/4 of Section 32, Township 3S, Range 9W, County Desoto

Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]):

- (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
- (b) 0.03 million gallons per day at a maximum rate of 150 gallons per minute
- (c) _____ acre feet of storage at normal pool
- (d) 150 gallons per minute at a maximum rate of 30000 gallons per day
AVG. 3 hrs daily

Construction of proposed work will begin on (date) _____, 19____ and will be completed by (date) _____, 19____.

Water will be used from (month) MAY 15 to (month) September 1st each year.

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 numbers.
1-4" well They use their 4" well first + only use the 6" during peak summer times + sometimes not even then. AMM

SECTION A (to be completed if application is for surface water source)

- Source of water is from _____ which drains into _____ which drains into _____ which drains into _____
- Description of pump/diversion works:
 - (a) Pump (size and type): _____ Power Unit (size and type): _____
 Lift: _____ feet Maximum capacity: _____ gallons per minute.
 - (b) Name of storage reservoir: _____ Dam height: _____ feet.
 Surface area at normal pool: _____ acres. Storage capacity at normal pool: _____ acre-feet.

(Continued on back)

SECTION B (to be completed if application is for groundwater source)

1. Source of water is Aquifer Code 124 SPRT - (constructed 11-03-73) aquifer.
2. Description of proposed water well:
- (a) DEPTH OF WELL: 387 feet. DRILLER (name): _____
- (b) SURFACE CASING: Length: _____ feet. Diameter: 6 inches. Type: _____
- (c) SCREEN: Length: 50 feet. Diameter: _____ inches. Type: _____
- (d) PUMP: Type: _____ Size: _____ Capacity: 150 gallons per minute.
- Number of stages: _____ Setting depth: _____ feet.
- (e) POWER UNIT: Type: _____ Size: _____ horsepower.
- (f) TYPE OF COMPLETION: _____

REVISIONS

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

TOWN-SHIP	RANGE	SECTION	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Soybeans _____; Corn _____; Pasture _____; Truck _____; Wheat _____; Oats _____; Grain sorghum _____; Other (specify) _____ Acres _____

2. FISH CULTURE: Explain how water will be used: _____
 How often will reservoir(s) be emptied and refilled? _____

3. MUNICIPAL or WATER ASSOCIATION
 Choose "a" or "b". (a) The number of people served is 160. (b) The number of connections/customers is 80.
 What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years?
 (Volume) 30,000 gal 1991 (Year) 35,000 gal 1992 (Year) 40,000 gal 1997 (Year) 45,000 gal 1997 (Year) 45,000 gal 2002 (Year)

4. INDUSTRIAL: If water is to be released into a watercourse, indicate the amount released each year _____
 Rate of release _____; Location of release point in reference to diversion/withdrawal point _____
 Explain any change in quality of water to be released: _____
 NPDES Permit No. _____

Explain how water will be used: _____
 How much groundwater will be used for once-through non-contact cooling? _____

5. RECREATION: Explain how water will be used: _____

6. OTHER use: Explain in detail: _____
well originally used for raising lake level. Not practical anymore. AMM

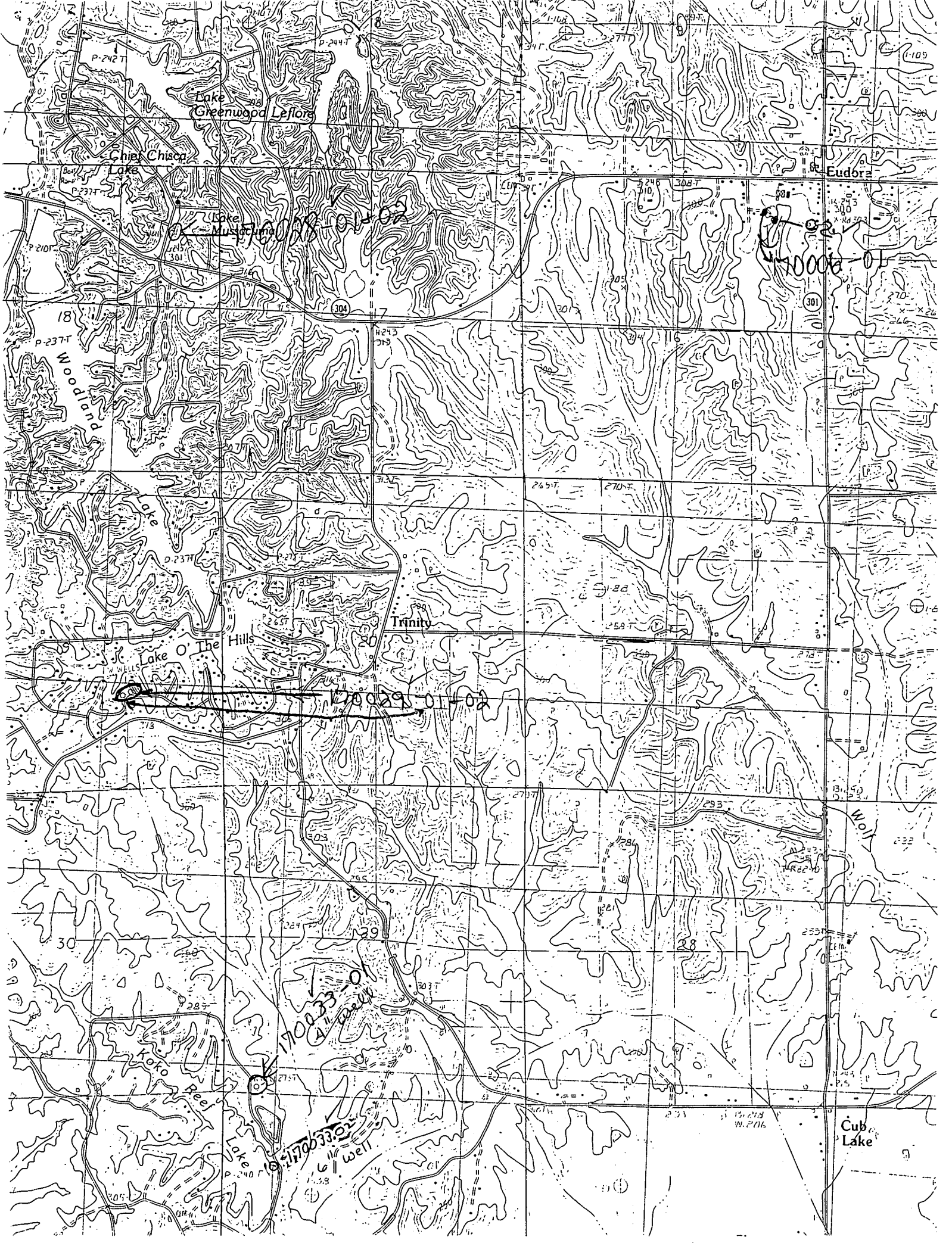
REMARKS: We divert 1/2 of this well's production to lake, because our Aquifer cannot accommodate full flow. We use this well as little as possible.

List below the person to be contacted for additional information if required:
Cliff E. Hopper
 (Name)
833 W. Shelby Dr
 (Address)
Memphis Tennessee 38109
 (City, State, Zip)
901-785-5738
 (Telephone)

The accompanying map is hereby declared a part of this application. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

Cliff E. Hopper
 (Signature)

Subscribed and sworn to before me this 8th day of June 1992, at Memphis
 County of Shelby My commission expires 01-31-95
Robin & James Notary Public



Lake Greenwood Leflore

Chief Chisca Lake

Lake Muskogean

Eudora

18

Woodland

Trinity

Lake O The Hills

170029

Wolf

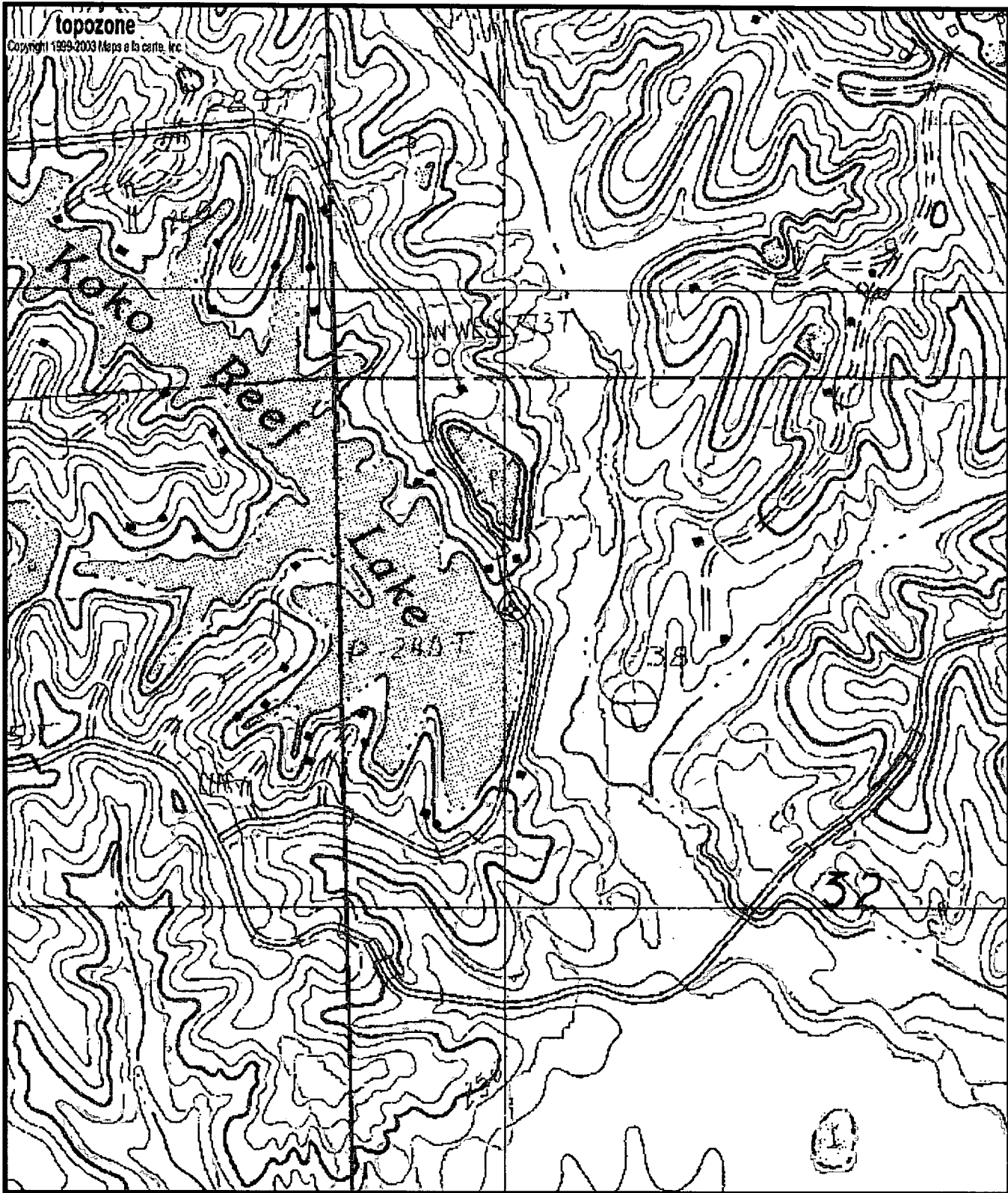
30

Foko

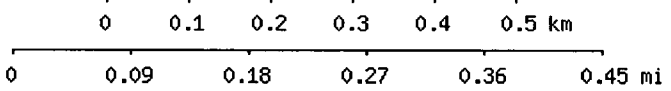
Lake

170023
6" well

Cub Lake



0170033-02
 GW 14327
 J100



Map center is 34° 47' C2"N, 90° 10' 50"W (WGS84/NAD83)
Banks quadrangle
 Projection is UTM Zone 15 NAD83 Datum

