9-185
(October 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

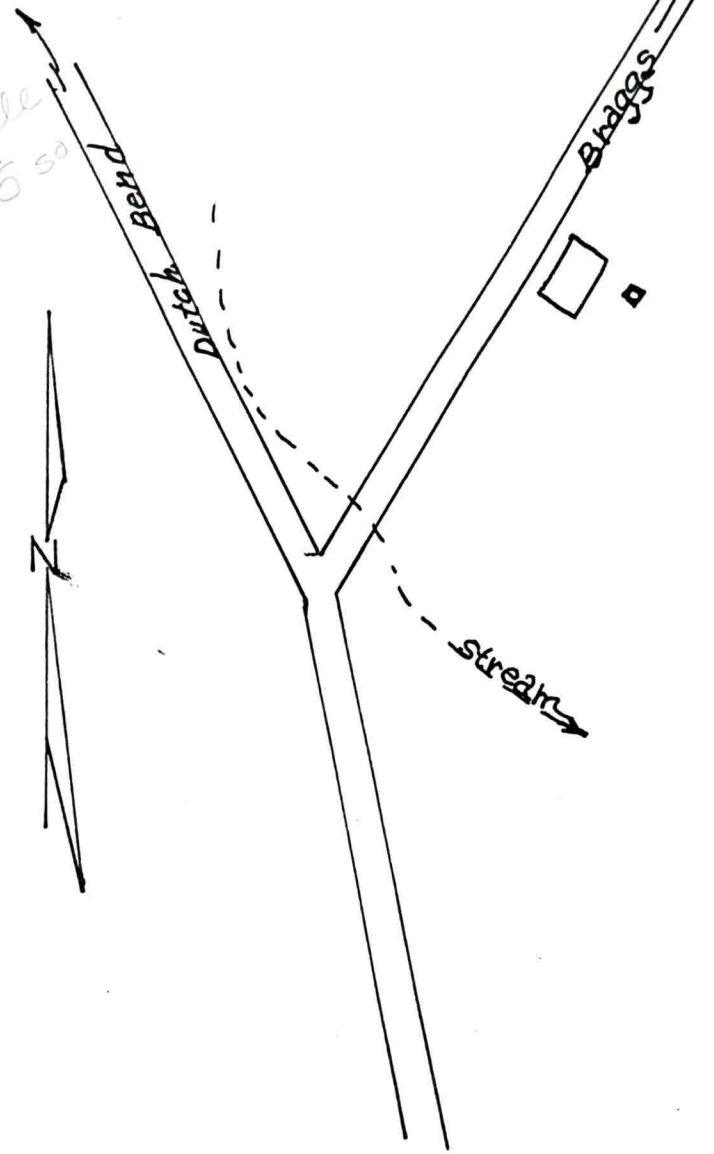
WELL SCHEDULE

Date 5-25, 1955 Field No. T-2

Record by J.C.S. Office No. X-7

Source of data MR. BENDER.

1. *Location:* State ALA. County LOWNDES
   Map CO. ROAD MAP.
   SE ¼ NW ¼ sec. 18 T 12 N/S R 13 E/W
2. *Owner:* O. O. BENDER. Address MACERONIA.
   Tenant Address
   Driller BENDER. Address
3. *Topography* HILLSIDE
4. *Elevation* ft. above/below
5. *Type:* Dug, drilled, driven, bored, jetted 1943
6. *Depth:* Rept. 112 ft. Meas. ft.
7. *Casing:* Diam. 4 in., to in., Type
   Depth 20 ft., Finish OPEN HOLE
8. *Chief Aquifer* K-RIPLEY. From ft. to ft.
   Others
9. *Water level* 20 ft. rept/meas. 1955 above/below GL.
   which is ft. above/below surface
10. *Pump:* Type JET. Capacity G. M.
    Power: Kind ELEC. Horsepower 3/4
11. *Yield:* Flow G. M., Pump G. M., Meas., Rept. Est.
    Drawdown ft. after hours pumping G. M.
12. *Use:* Dom., Stock, PS., RR., Ind., Irr., Obs.
    Adequacy, permanence ADEQUATE
13. *Quality* GOOD. Temp °F.
    Taste, odor, color CLEAR. Sample Yes/No
    Unfit for
14. *Remarks:* (Log, Analyses, etc.)



5-14-81
in use
no sample
a WLM, Y-5 so
close

U. S. GOVERNMENT PRINTING OFFICE 16—62891-1

G.W.
Ala-3

U. S. GEOLOGICAL SURVEY

P. O. Box 2033
University, Alabama

CHEMICAL ANALYSIS REPORT

DATE 6-1-55

OWNER O. O. BENDER COUNTY LAWNDES

LOCATION (Well-Spring)

DEPTH FEET. ARTESIAN (✓) NON-ARTESIAN ( )

W. B. FORMATION K-RIP COLLECTED BY JCL DATE 5-25

USE ANALYZED BY JCL

SAMPLING CONDITIONS

COMPLETE ( ) PARTIAL ( ) PRELIMINARY ( ) FIELD (✓)

CONTENT	ppm
Total Hardness (Soap) 8.2	
Fe (Total) 164.0	164.0
Cl 34.2	
CO_3 1.4	
HCO_3 1368	39.88
SO_4 272	
NO_2 47.88	
NO_3 0.00	
Mn. 39.88	
F.	
SiO_2	
Color	
Total Dissolved Solids	

pH

Temperature °F.

Oil

Appearance

Remarks

9-185
October 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

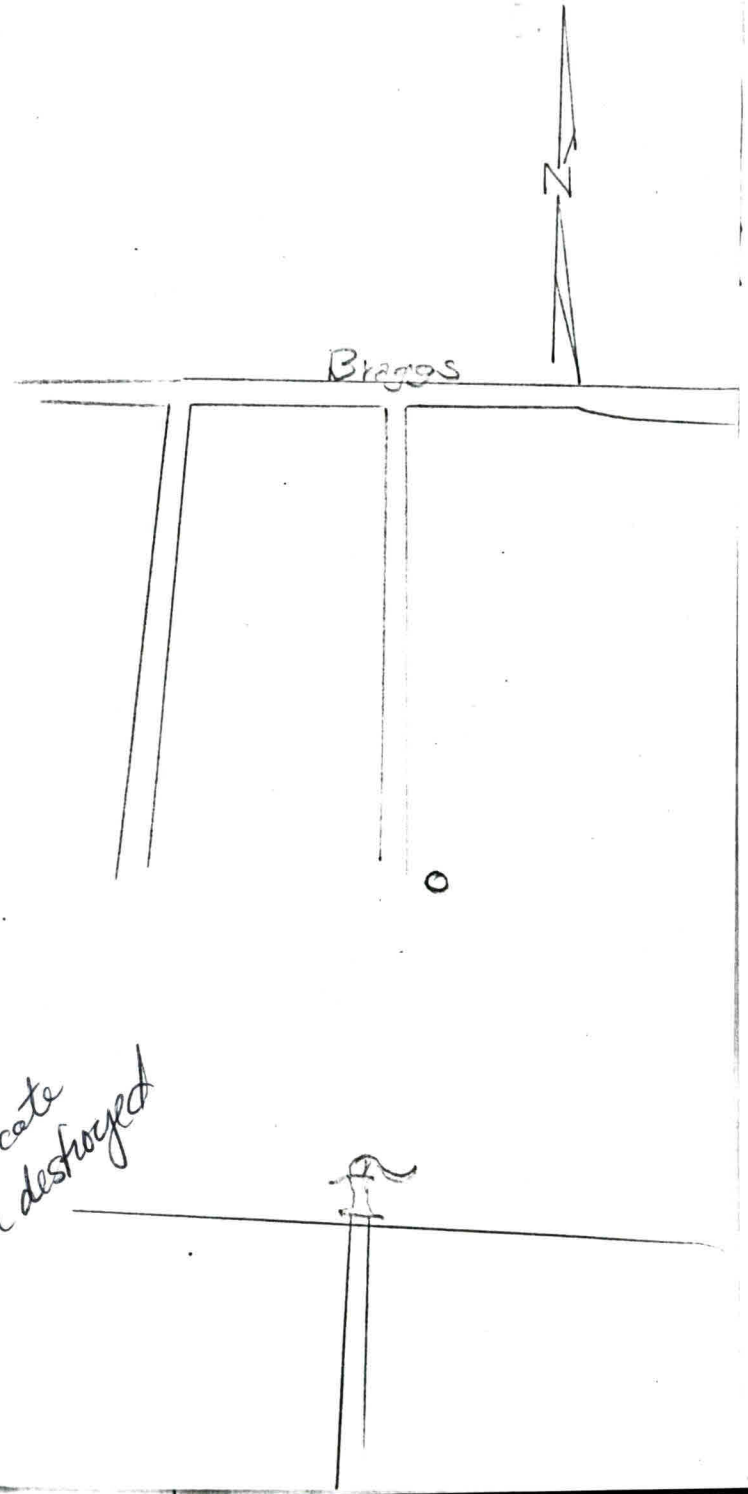
Date 5-25, 1955 Field No. ~~I-2~~

Record by Office No. X-3

Source of data OWNER

1. *Location:* State ALA County LOWNDES
   Map CO ROAD MAP
   SE ¼ NW ¼ sec. 12 T 16 N/S R 13 E/W
2. *Owner:* O. O. BENDER Address
   Tenant Address
   Driller BENDER Address
3. *Topography* WOODSIDE
4. *Elevation* ft. above/below
5. *Type:* Dug, drilled, driven, bored, jetted 1913
6. *Depth:* Rept. 112 ft. Meas. ft.
7. *Casing:* Diam. 4 in., to in., Type
   Depth 10 ft., Finish OPEN HOLE
8. *Chief Aquifer* K-RIPLEY From ft. to ft.
   Others
9. *Water level* ft. rept./meas. 19 above/below
   which is ft. above/below surface
10. *Pump:* Type JET Capacity G. M.
    Power: Kind ELEC Horsepower
11. *Yield:* Flow G. M., Pump G. M., Meas., Rept. Est.
    Drawdown ft. after hours pumping G. M.
12. *Use:* Dom., Stock, PS., RR., Ind., Irr., Obs.
    Adequacy, permanence ADEQUATE
13. *Quality* GOOD Temp °F.
    Taste, odor, color CLEAR Sample Yes/No
    Unfit for
14. *Remarks:* (Log, Analyses, etc.)

U. S. GOVERNMENT PRINTING OFFICE 16—62891-1



5-14-87
could not locate
presumed destroyed

9-185
(October 1950)

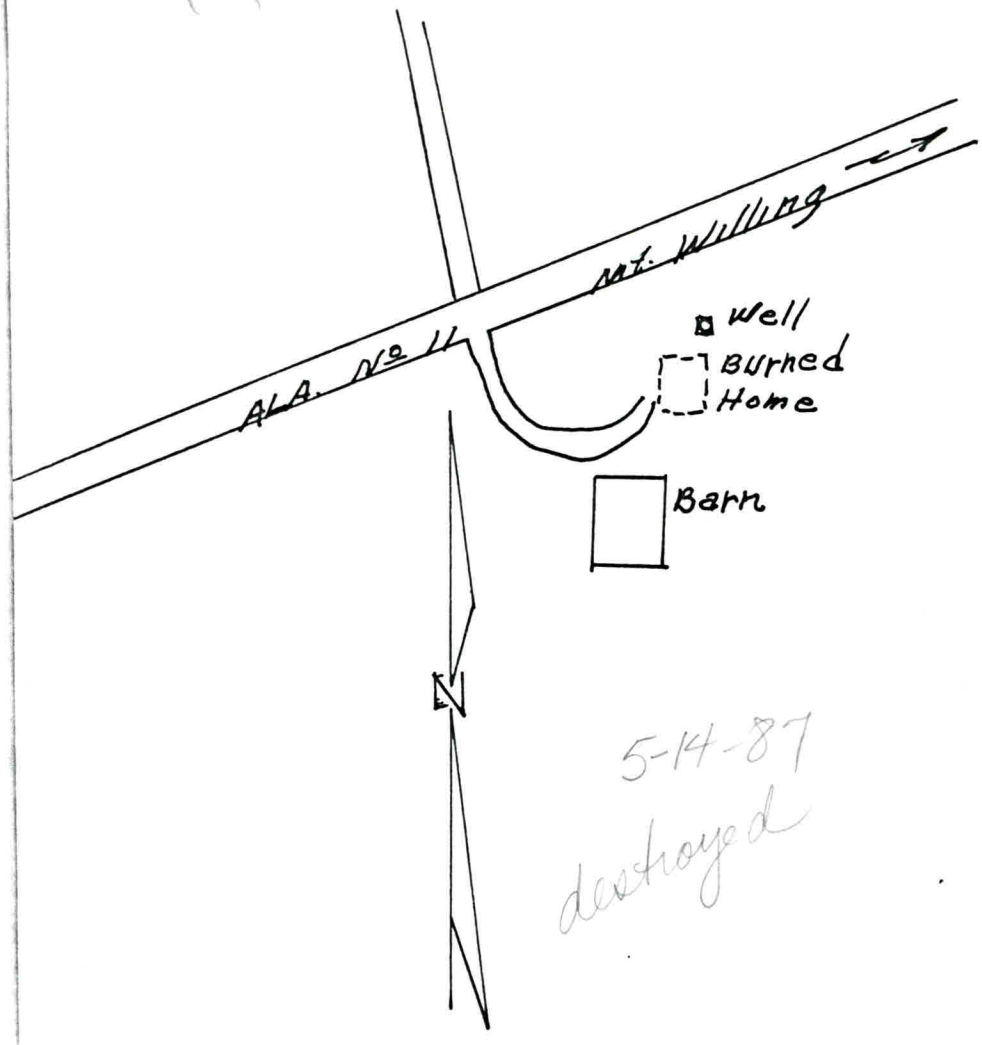
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

Date 1-3, 1956 Field No. X-2
Record by J.C.S. Office No. X-2
Source of data W.S. Bozeman

1. *Location:* State Ala. County Lowndes
   Map Co. Road map
   SE ¼ SE ¼ sec. 7 T 12 S R 13 W
2. *Owner:* B. Sessions Address Braggs
   Tenant Address
   Driller W.S. Bozeman Address
3. *Topography* Stream Valley
4. *Elevation* ft. above / below
5. *Type:* Dug, drilled, driven, bored, jetted 1950
6. *Depth:* Rept. 85 ft. Meas. ft.
7. *Casing:* Diam. 4 in., to — in., Type
   Depth ft., Finish open
8. *Chief Aquifer* K-Ripley From ft. to ft.
   Others
9. *Water level* 3 ft. rept. / meas. 3-4 1950 above / below Lsd.
   which is ft. above / below surface
10. *Pump:* Type Pitcher Capacity G. M.
    Power: Kind None Horsepower
11. *Yield:* Flow G. M., Pump G. M., Meas., Rept. Est.
    Drawdown ft. after hours pumping G. M.
12. *Use:* Dom., Stock, PS., RR., Ind., Irr., Obs.
    Adequacy, permanence Inadequate
13. *Quality* good Temp °F.
    Taste, odor, color Sample Yes / No
    Unfit for —
14. *Remarks:* (Log, Analyses, etc.)

U. S. GOVERNMENT PRINTING OFFICE 16—62891-1



9-185
(October 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

Date 5-25, 1955 Field No. F-1

Record by JCS Office No. X-1

Source of data OBS

1. *Location:* State ALA County LOWNDES
   Map CO. ROAD MAP
   NE ¼ NE ¼ sec. 4 T 12 N/S R 13 E/W
2. *Owner:* DAVIS M. WOODRUF Address S.W. OF MT. WILLING.
   Tenant ..... Address .....
   Driller BURRELL Address .....
3. *Topography* TOP OF HILL
4. *Elevation* 330 ft. above/below .....
5. *Type:* Dug, (drilled), driven, bored, jetted ..... 19....
6. *Depth:* Rept. ..... ft. Meas. ..... ft.
7. *Casing:* Diam. 4 in., to ..... in., Type STD.
   Depth ..... ft., Finish .....
8. *Chief Aquifer* K-RIPLEY From ..... ft. to ..... ft.
   Others .....
9. *Water level* INA. ft. rept./meas. ..... 19.... above/below .....
   ..... which is ..... ft. above/below surface
10. *Pump:* Type BERKLEY JET Capacity ..... G. M. .....
    Power: Kind ..... Horsepower .....
11. *Yield:* Flow ..... G. M., Pump ..... G. M., Meas., Rept. Est. .....
    Drawdown ..... ft. after ..... hours pumping ..... G. M.
12. *Use:* (Dom.), (Stock), PS., RR., Ind., Irr., Obs. .....
    Adequacy, permanence ADEQUATE
13. *Quality* ..... Temp ..... °F.
    Taste, odor, color ..... Sample Yes/No .....
    Unfit for .....
14. *Remarks:* (Log, Analyses, etc.) HOUSE BURNED, USED FOR STOCK & TENANT HOUSE.

U. S. GOVERNMENT PRINTING OFFICE 16—62891-1

9-185
(October 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

Date 5-25, 1955 Field No. —

Record by JCS Office No. X-1

Source of data GWS

1. *Location:* State ALA County LOWNDES
   Map CO ROAD MAP
   NE ¼ NE ¼ sec. 4 T 12 N/S R 13 E/W
2. *Owner:* DAVIS M. WEATHERLY Address [illegible]
   Tenant Address
   Driller BURGER Address
3. *Topography* TOP OF HILL
4. *Elevation* 330 ft. above/below
5. *Type:* Dug, drilled, driven, bored, jetted 19
6. *Depth:* Rept. ft. Meas. ft.
7. *Casing:* Diam. 4 in., to in., Type STD
   Depth ft., Finish
8. *Chief Aquifer* KS - RIPLEY From ft. to ft.
   Others
9. *Water level* 100 ft. rept./meas. 19 above/below
   which is ft. above/below surface
10. *Pump:* Type LEWIS ELT Capacity G. M.
    Power: Kind Horsepower
11. *Yield:* Flow G. M., Pump G. M., Meas., Rept. Est.
    Drawdown ft. after hours pumping G. M.
12. *Use:* Dom., (Stock), PS., RR., Ind., Irr., Obs.
    Adequacy, permanence ADEQUATE
13. *Quality* Temp °F.
    Taste, odor, color Sample Yes/No
    Unfit for
14. *Remarks:* (Log, Analyses, etc.) [illegible]

U. S. GOVERNMENT PRINTING OFFICE 16—62891-1

G.W.
Ala-3

U. S. GEOLOGICAL SURVEY

P. O. Box 2033
University, Alabama

CHEMICAL ANALYSIS REPORT

DATE 6-1-55

OWNER DAVIS WOODRUFF COUNTY LOWNDES

LOCATION (Well-Spring) SW OF MT. WILLING

DEPTH ..... FEET. ARTESIAN (✓) NON-ARTESIAN ( )

W. B. FORMATION K-RIP COLLECTED BY JCR DATE 5-25

USE DOM - STOCK ANALYZED BY JCR

SAMPLING CONDITIONS .....

COMPLETE ( ) PARTIAL ( ) PRELIMINARY ( ) FIELD (✓)

	CONTENT		ppm
Total Hardness (Soap)		416 ~~50~~ ~~432.0~~	432.0
Fe (Total)	34.2		
Cl	.6		12.52
CO_3	20.52		
HCO_3	8.00		
SO_4	12.52		
NO_2			
NO_3			
Mn.			
F.			
SiO_2			
Color			
Total Dissolved Solids			

pH - - - - - - - - - - - - .....

Temperature - - - - - - - - - - .....°F.

Oil - - - - - - - - - - - - .....

Appearance .....

Remarks .....

U.S. GEOLOGICAL SURVEY
Water Resources Division

WELL SCHEDULE

Date 5-16, 1987 Local No. X-01
Recorded by B. Gillett Site ID (AKA X-04)
Source of data

1. Location: State Alabama County Lowndes
Map Bragg
SE 1/4 SESW 1/4 sec. 4 T N/S R E/W
2. Owner: Jerry McWilliams Address
Tenant Address
Driller Address
3. Topography
4. Elevation 295 ft below
5. Type: Dug, drilled, bored, jetted 1968?
6. Depth: Rept. ~150 ft. Meas. ft
7. Casing: Diam. 4 in., to in., Type
Depth ft., to ft.
8. Openings (screens): Diam. in., Type
Depth ft., to ft.
9. Chief Aquifer
10. Water level ft. meas. 19
above above
below which is ft. below lsd
11. Pump: Type Capacity G.M.
Power: Kind Horsepower
12. Yield: Flow G.M., Pump G.M., Method
Drawdown ft. after hours pumping G.M.
13. Use: Dom., Stock, PS., RR., Ind., Irr., Obs.
Adequacy, permanence
14. Quality Temp. °F.
Yes
Taste, odor, color Sample No
15. Remarks: (Log, Analyses, etc.)

16. Site Location Description

held wet
63 10.75

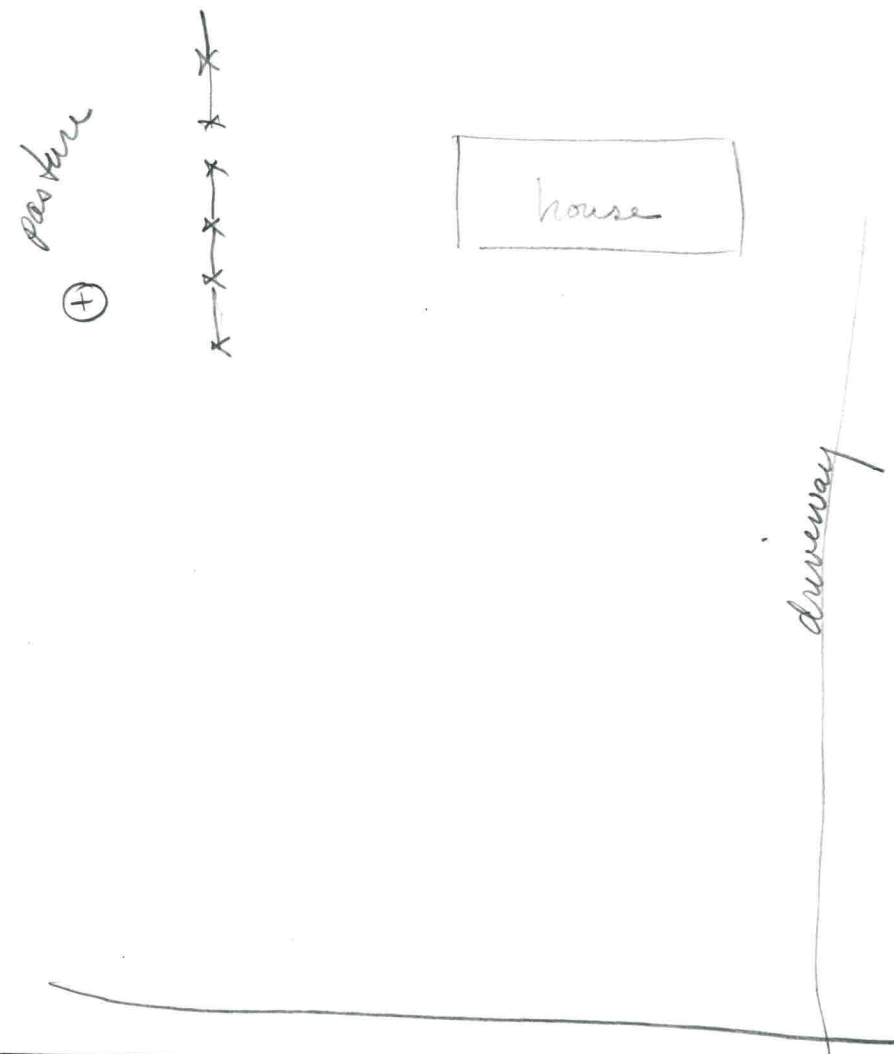
U.S. GEOLOGICAL SURVEY
Water Resources Division

WELL SCHEDULE

Date 5-16, 1987 Local No. X-02
Recorded by B. Gillett Site ID
Source of data

1. Location: State Alabama County Lowndes
Map Bragg
1/4 NE 1/4 sec. 8 T 12 (N/S) R 13 (E/W)
2. Owner: Judy Duncan Address
Tenant Address
Driller Address
3. Topography
4. Elevation 240 ft below
5. Type: Dug, drilled, bored, jetted 19
6. Depth: Rept. 150 ft. Meas. ft
7. Casing: Diam. 4 in., to in., Type
Depth ft., to ft.
8. Openings (screens): Diam. in., Type
Depth ft., to ft.
9. Chief Aquifer
10. Water level 36.17 ft. meas. 19
above held 60 wet 23.83 above
below which is ft. below lsd
11. Pump: Type Capacity G.M.
Power: Kind Horsepower
12. Yield: Flow G.M., Pump G.M., Method
Drawdown ft. after hours pumping G.M.
13. Use: Dom., Stock, PS., RR., Ind., Irr., Obs.
Adequacy, permanence
14. Quality Temp. °F.
Yes
Taste, odor, color Sample No 21°C
15. Remarks: (Log, Analyses, etc.)

16. Site Location Description



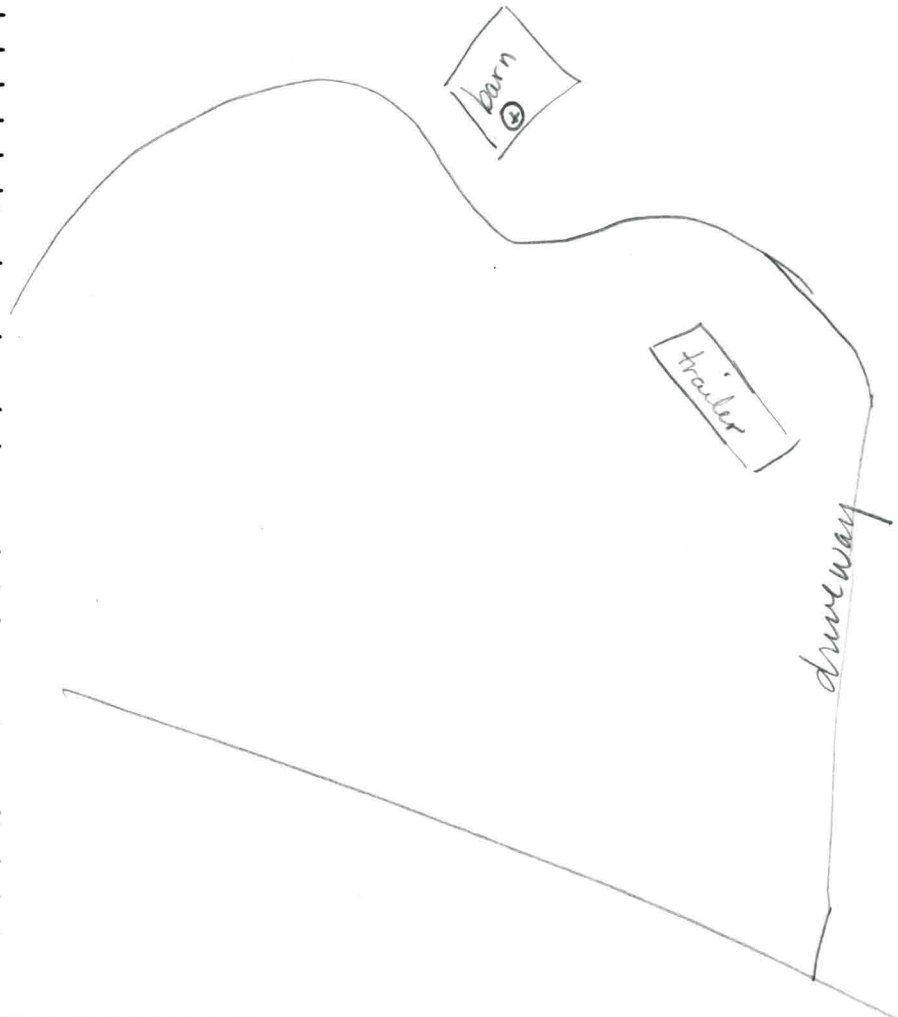
U.S. GEOLOGICAL SURVEY
Water Resources Division

WELL SCHEDULE

Date 5-16, 1987 Local No. X-03
Recorded by B. Gillett Site ID
Source of data

1. Location: State Alabama County Lowndes
Map
SW 1/4 SWNE 1/4 sec. 16 T 12 N/S R 13 E/W
2. Owner: H. B. Blackburn Address
Tenant Address
Driller Address
3. Topography Bozeman
4. Elevation 300 ft below
5. Type: Dug, drilled, bored, jetted 19
6. Depth: Rept. ~150 ft. Meas. ft
7. Casing: Diam. in., to in., Type
Depth ft., to ft.
8. Openings (screens): Diam. in., Type
Depth ft., to ft.
9. Chief Aquifer Kr
10. Water level 67.95 ft. meas. 5-16-87 19
above held 95 wet 27.05 above
below which is ft. below lsd
11. Pump: Type Capacity G.M.
Power: Kind Horsepower
12. Yield: Flow G.M., Pump G.M., Method
Drawdown ft. after hours pumping G.M.
13. Use: Dom., Stock, PS., RR., Ind., Irr., Obs.
Adequacy, permanence
14. Quality Temp. °F.
Yes
Taste, odor, color Sample No 21°C
15. Remarks: (Log, Analyses, etc.)

16. Site Location Description
Send analysis
Star Rt. B Box 89
Minter, AL 3



Lab No. 705280-E

GEOLOGICAL SURVEY OF ALABAMA
GEOCHEMISTRY WATER LABORATORY

Kr

Project 87-6061

Well owner / Station name: X-02, Judy Duncan

County: Lowndes

DATA CARD[b]

Type: 2 (1)

Station identification number (2–16):

Date of collection (17–22): Yr. 87 Mo. 05 D 14

Time of measurement (29–32):

Latitude:

Longitude:

T 12 R 13 Sec. 8

___ ¼ ___ ¼ NE¼

b. Duplicate card columns 1-32 for each data card.

Collected by: B. Gillett

Comment:

Appearance: clear turbid very turbid

Ground Water X

Sampling Point:

Surface Water:

Depth of Well: ft.

Treatment: (✓) HNO_3 (✓) Raw ( ) H_2SO_4 ( ) Fil ( ) Iced

GEOLOGIC UNIT (33–41): G

	Parameter code	Value	Exp.	Rmk
Specific Conductance umhos/cm 25°C	00095	730	03	
Water Temperature °C	00010	21	02	
Depth (ft)	72008			
Instantaneous Flow (cfs)	00061			
Dissolved Oxygen (mg/l)	00300			
Color (Pt-Co units)	00080			
Turbidity (jtu)	00070			
Silica dissolved SiO_2 (mg/l)	00955	17	02	
Calcium dissolved Ca (mg/l)	00915	19	02	
Magnesium dissolved Mg (mg/l)	00925	61	01	
Sodium dissolved Na (mg/l)	00930	190	03	
Potassium dissolved K (mg/l)	00935	38	01	
Dissolved solids (calc. solids sum) (mg/l)	70301	591	03	
Total suspended solids (mg/l)	70299			

	Parameter code	Value	Exp.	Rmk
pH Field ___ Lab ___	00400	80	01	
Bicarbonate 20.4 ml Acid HCO_3 (mg/l)	00440	~~408~~ 410	~~03~~ 03	
Carbonate ___ ml Acid CO_3 (mg/l)	00445	0	00	
Alkalinity as 340 $CaCO_3$ (mg/l)	00410	340	03	
Acidity H (mg/l)	71825			
Sulfate dissolved SO_4 (mg/l)	00945	140	03	
Chloride dissolved Cl (mg/l)	00940	13	02	
Fluoride dissolved F (mg/l)	00950	10	00	
Nitrate - Nitrite dissolved $NO_3 + NO_2$ as N (mg/l)	71851	11	00	
Nitrite dissolved NO_2 as N (mg/l)	00618	0	00	
Nitrate dissolved NO_3 as N (mg/l)	00630	11	00	
Nitrate dissolved NO_3 (mg/l)	00613	49	00	

Date logged in:

Date Begun:

Date finished: 9/23/87

Analysts: DARK, Lloyd

Checker:

Reviewer:

Transmitted:

Date:

To Whom:

me/l		me/l	
Ca	0.95	HCO_3	6.72
Mg	.50	CO_3	.00
Sr	.	SO_4	2.91
TH	1.45	Cl	.37
Na	8.27	F	.01
K	.10	NO_3	.01
H	.	OH	.
	.		.
	.		.
Sum	9.82	Sum	10.02
% error	1.0	Total of Sum	19.84

Lab No. 705280-E Date

	Parameter code	Value	Exp.	Rmk
Dissolved solids at 180°C (mg/l)	70300			
Carbon Dioxide CO_2 (mg/l)	00405			
Ammonia dissolved NH_3 as N (mg/l)	00610	59	00	
Total Kjeldahl Nitrogen dissolved TKN as N (mg/l)	00625	59	00	
Total Phosphate dissolved as P (mg/l)	00665	1	-1	
Ortho Phosphate dissolved as P (mg/l)	00671	1	-1	
Hardness as $CaCO_3$ (mg/l)	00900	73	02	
Noncarbonate Hardness (mg/l)	00902			

	Parameter code	Value	Exp.	Rmk
Aluminum dissolved Al (ug/l)	01106			
Arsenic dissolved As (ug/l)	01000	4	01	
Barium dissolved Ba (ug/l)	01005	20	02	
Beryllium dissolved Be (ug/l)	01010			
Cadmium dissolved Cd (ug/l)	01025	0	00	4
Chromium dissolved Cr (ug/l)	01030	1	01	
Cobalt dissolved Co (ug/l)	01035	6	01	
Copper dissolved Cu (ug/l)	01040			
Iron dissolved Fe (ug/l)	01046	430	03	
Iron Total Fe (ug/l)	01045			
Lead dissolved Pb (ug/l)	01049	1	01	
Lithium dissolved Li (ug/l)	01130			
Manganese dissolved Mn (ug/l)	01056	~~6~~ 10	~~01~~ 02	
Mercury dissolved Hg (ug/l)	71890	1	00	
Nickel dissolved Ni (ug/l)	01065			
Selenium dissolved Se (ug/l)	01145	1	01	
Strontium dissolved Sr (ug/l)	01080	1100	0x	
Vanadium dissolved V (ug/l)	01085			
Zinc dissolved Zn (ug/l)	01090	20	02	
Silver Dissolved Ag (ug/l)		1	01	

Lab No. 705281-E

GEOLOGICAL SURVEY OF ALABAMA
GEOCHEMISTRY WATER LABORATORY

Kr

Project 87-6061

Well owner / Station name: X-03, H.B. Blackburn

County: Lowndes

DATA CARD[b]

Type: 2 (1)

Station identification number (2–16):

Date of collection: Yr. 87 Mo. 05 D 14 (17–22)

Time of measurement (29–32):

Latitude:

Longitude:

T 12 R 13 Sec. ___ ___ ¼ ___ ¼ ___ ¼

b. Duplicate card columns 1-32 for each data card.

Collected by: B. Gillett

Comment:

Appearance: clear turbid very turbid

Ground Water: X

Sampling Point:

Surface Water:

Depth of Well: 150 ft.

Treatment: ✓ HNO_3 ✓ Raw ( ) H_2SO_4 ( ) Fil ( ) Iced

GEOLOGIC UNIT: G (33) (34–41)

	Parameter code	Value	Exp.	Rmk
Specific Conductance umhos/cm 25°C	00095	650	03	
Water Temperature °C	00010	21	02	
Depth (ft)	72008			
Instantaneous Flow (cfs)	00061			
Dissolved Oxygen (mg/l)	00300			
Color (Pt-Co units)	00080			
Turbidity (jtu)	00070			
Silica dissolved SiO_2 (mg/l)	00955	13	02	
Calcium dissolved Ca (mg/l)	00915	86	01	
Magnesium dissolved Mg (mg/l)	00925	21	01	
Sodium dissolved Na (mg/l)	00930	180	03	
Potassium dissolved K (mg/l)	00935	28	01	
Dissolved solids (calc. solids sum) (mg/l)	70301	549	03	
Total suspended solids (mg/l)	70299			

	Parameter code	Value	Exp.	Rmk
pH Field ___ Lab ___	00400	82	01	
Bicarbonate HCO_3 (mg/l) 12 ml Acid	00440	240	03	
Carbonate CO_3 (mg/l) ___ ml Acid	00445	0	00	
Alkalinity as $CaCO_3$ (mg/l)	00410	200	03	
Acidity H (mg/l)	71825			
Sulfate dissolved SO_4 (mg/l)	00945	190	03	
Chloride dissolved Cl (mg/l)	00940	14	02	
Fluoride dissolved F (mg/l)	00950	15	00	
Nitrate - Nitrite dissolved $NO_3 + NO_2$ as N (mg/l)	71851	445	01	
Nitrite dissolved NO_2 as N (mg/l)	00618	1	-1	
Nitrate dissolved NO_3 as N (mg/l)	00630	444	01	
Nitrate dissolved NO_3 (mg/l)	00613	20	02	

Date logged in:

Date Begun:

Date finished: 9/23/87

Analysts: DARK, LLOYD

Checker:

Reviewer:

Transmitted:

Date:

To Whom:

	me/l		me/l
Ca	0.43	HCO_3	3.93
Mg	.17	CO_3	.00
Sr	.	SO_4	3.96
TH	.60	Cl	.39
Na	7.83	F	.01
K	.07	NO_3	.32
H	.	OH	.
	.		.
	.		.
Sum	8.50	Sum	8.61
% error	0.6	Total of Sum	17.11

Lab No. 70528/-E Date _____

	Parameter code	Value	Exp.	Rmk
Dissolved solids at 180°C (mg/l)	70300			
Carbon Dioxide CO_2 (mg/l)	00405			
Ammonia dissolved NH_3 as N (mg/l)	00610	46	00	
Total Kjeldahl Nitrogen dissolved TKN as N (mg/l)	00625	46	00	
Total Phosphate dissolved as P (mg/l)	00665	2	-1	
Ortho Phosphate dissolved as P (mg/l)	00671	1	-1	
Hardness as $CaCO_3$ (mg/l)	00900	30	02	
Noncarbonate Hardness (mg/l)	00902			

	Parameter code	Value	Exp.	Rmk
Aluminum dissolved Al (ug/l)	01106			
Arsenic dissolved As (ug/l)	01000	6	01	
Barium dissolved Ba (ug/l)	01005	10	02	
Beryllium dissolved Be (ug/l)	01010			
Cadmium dissolved Cd (ug/l)	01025	5	00	1
Chromium dissolved Cr (ug/l)	01030	5	00	1
Cobalt dissolved Co (ug/l)	01035	7	01	
Copper dissolved Cu (ug/l)	01040			
Iron dissolved Fe (ug/l)	01046	150	03	
Iron Total Fe (ug/l)	01045			
Lead dissolved Pb (ug/l)	01049	5	00	1
Lithium dissolved Li (ug/l)	01130			
Manganese dissolved Mn (ug/l)	01056	30	02	
Mercury dissolved Hg (ug/l)	71890	0	00	4
Nickel dissolved Ni (ug/l)	01065			
Selenium dissolved Se (ug/l)	01145	3	01	
Strontium dissolved Sr (ug/l)	01080	420	03	
Vanadium dissolved V (ug/l)	01085			
Zinc dissolved Zn (ug/l)	01090	0	00	u
Silver Dissolved Ag (ug/l)		2	01	