

10-92 Mr. Havn. Crump
Is pres of Wtr Assoc
5343116

G W 852
DOM #730002-01

20-50

Ellistown

FORM 9-1642 G P S d 10/21/98 W W
(1-68)

Well No. _____
N 1/2 17 1975
E Log #17

U. S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

MASTER CARD

Record by P.E. Grantham Source of data MBOWC Drlr. + E Log Date 12-1-69 Map Sherman Quad Ellistown

State Miss County Union (or town) Union 73

Latitude: 34 24 12 N Longitude: 08 8 52 25 W Sequential number: 1

Lat-Long accuracy: 20 T 8 S 4 W, Sec 10, NW t, SW t, NW t

Local well number: N 0 1 2 C 3 1 0 0 8 3 0 4 E Other number: _____

Local use: 0 2 1 0 1 7 Owner or name: Blue Springs Wtr. Assoc.

Owner or name: BLUE SPRINGS W A Address: Blue Springs Miss

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist _____

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other _____

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed, (S) _____

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

Hyd. log data: _____

Qual. water data; type: USGS 6/72

Freq. sampling: _____ Pumpage inventory: _____

Aperture cards: _____

Log data: E Log 10-615

PUNCHED

WL Data
11/17/82
✓ WL = 174.35

1987
WL = 196.11
1992
WL = 189.25

8/10/87
T = 19°C
PH = 8.81
C = 490

210
18/15
19/85
-2.60
189.25

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 512 Meas. rept 3

Depth cased: Split screen ft 424 Casing type: _____; Diam. PK 4 in 8

Finish: (C) porous concrete, (F) gravel w. screen, (G) gravel w. screen, (H) horz. gallery, (I) open end, (J) perfor., (K) screen, (L) sd. pt., (M) shored, (N) open hole, (O) other _____

Method: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd jetted, (F) air percussion, (G) reverse, (H) rotary, (I) trenching, (J) driven, (K) wash, (L) other _____

Date Drilled: 12-69 9 6 9 Pump intake setting: _____ ft _____

Driller: Herndon-Homan Shannon Miss

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other _____ Deep 1 Shallow _____

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 25 Trans. or meter no. _____

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

Alt. LSD: 460 460 Accuracy: (source) 20' CI

Water Level: 1-5 ft below MP; Ft below LSD 226 Accuracy: _____

Date meas: 0 7 8 Yield: _____ gpm _____ Method determined _____

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

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

Sp. Conduct 300 K x 10⁶ _____ Temp. 19.0 °F _____ Date sampled 6 7 2

Taste, color, etc. USGS PH = 8.1

Well No.

N 1/2

Well No. N 12

Latitude-longitude _____
d m s d m s

HYDROGEOLOGIC CARD

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

D Drainage Basin: 13C Subbasin: _____

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (H) (K) (L) (M) (N) (O) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat _____

MAJOR AQUIFER: system _____ series K3 aquifer, formation, group C5
Coffee Sand, upper part

Lithology: U.S Origin: 6 Aquifer Thickness: _____ ft

Length of well open to: _____ ft Depth to top of: _____ ft
55 46 420

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" SS 424-450, 471-481, 502-512

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

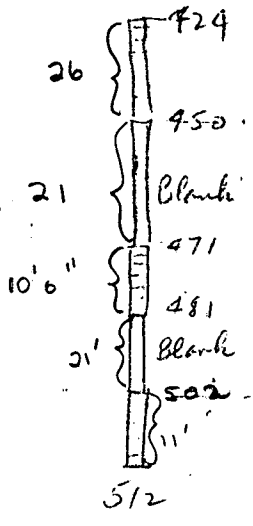
Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft Coefficient Storage: _____

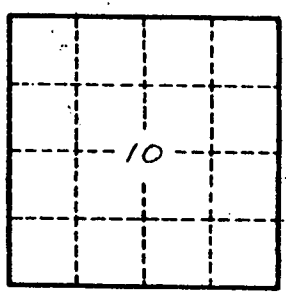
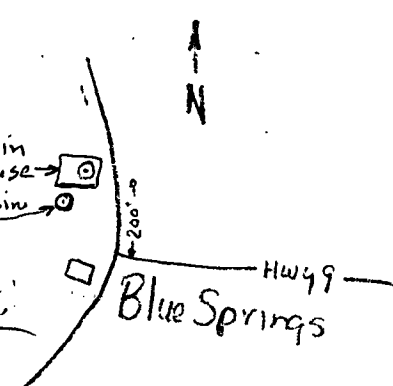
Coefficient Perm: _____ gpd/ft²; Spec cap: 0.8 gpa/ft; Number of geologic cards: _____

6,000 gal. pressure storage tank.



(1992) Sub
 This well in well house →
 New well Turbin →

-2160 U.S.C.



Well No. N 12

- WL 187 1/70'
- WL 192 9/72'
- WL 226 10/78'

framed 120 feet
 ground packed
 10075 screen
 100 of 8" casing
 363 to top of 10' 0.00

Less than 1 gpm 1ft dd.
 water level by an line, 9-21-1972 =
 190' below- bed. depth of an line = 352'.
 pumping test, 9-21-72 = in.clusive results.

Union Co
 N 12
 1-24-70

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

COPIED #17

WATER WELL DRILLERS LOG

1-24 1970 Herndon-Homan Well Union
 date well completed firm name # Supply county well located

LANDOWNERS: Blue Springs Water Assoc.
 Blue Springs Miss (mailing address)
 WELL LOCATION: sec 10 T 8 R 4 E
 (distance) miles (direction) of Blue Springs (nearest town)
 WELL PURPOSE: municipal (home, irrigation, municipal, industrial)

description of formations encountered	from	to
Red Sand	0	10
Jumbo Sand	10	30
Sand	30	35
Jumbo Sand	35	40
White Sand	40	50
Blue Rock	50	230
White Chalk	230	420
Coffee Sand	420	440
Shale Rock	440	445
Coffee Sand	445	450
Rock	450	454
Coffee Sand	454	480
Rock	480	483
Coffee Sand	483	520
Jumbo Sand	520	550
Jumbo Sand	550	560
Jumbo Sand	560	570
Jumbo Sand	570	580
Jumbo Sand	580	590
Jumbo Sand	590	600
Jumbo Sand	600	616

- WELL COMPLETION DATA:
- diameter (inches) 8 x 4
 - total depth (feet) 512
 - static water level (feet) 27 below top of ground
 - casing Steel 420' (material) (depth) 8" (size) if telescope see back.
 - screen 47'11" (length) 363' Lap (depth to top) 4" (size) Stainless Steel (material)
 - pump 25 (HP) 130 (yield gpm) Electric (type power)
 - electric log yes (yes or no) UBS (organization running log)
 - how well bottom plugged Back Wash

JUL 12 1970

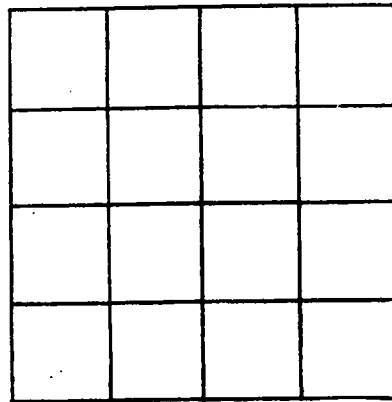
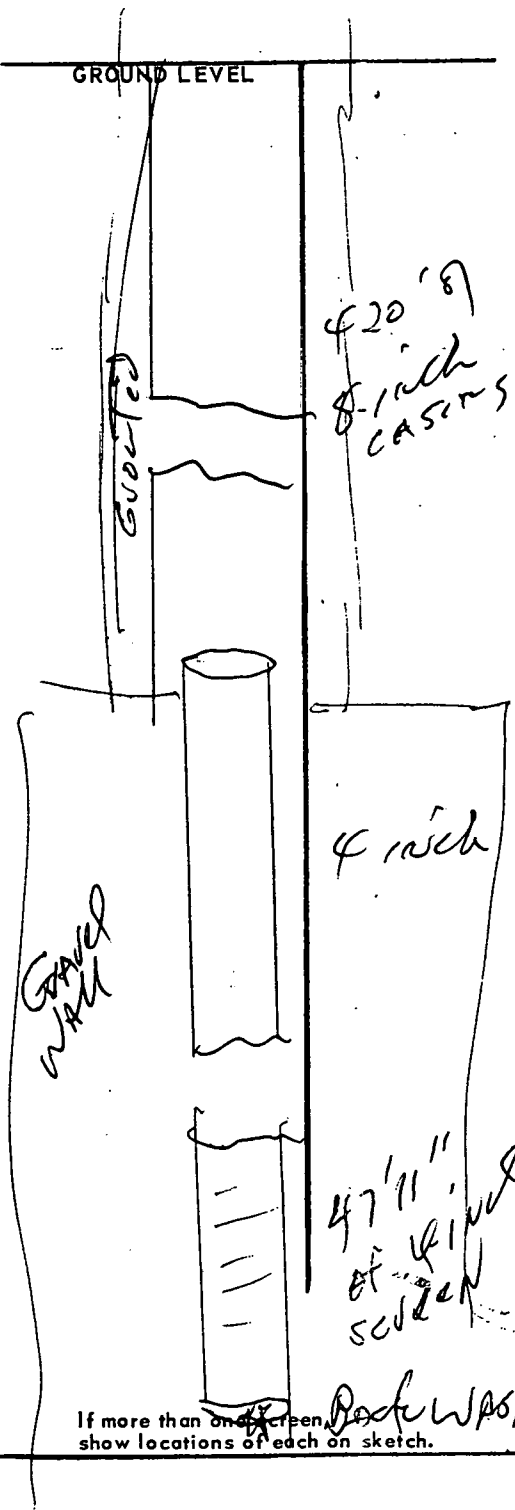
DRILLERS REMARKS:

MISS. STATE WATER COMM.

(X)

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION 10

Please indicate well location X.

ADDITIONAL INFORMATION

Bottom of Screenshot 512'

Screenshot From Bottom up

10' 10" of Screenshot 11

21' 10" Blank

10' 0" of Screenshot 11

21' 1" Blank

26' 2" Screenshot 26

63' 3" of 4" LAP.

363' To Top of LAP

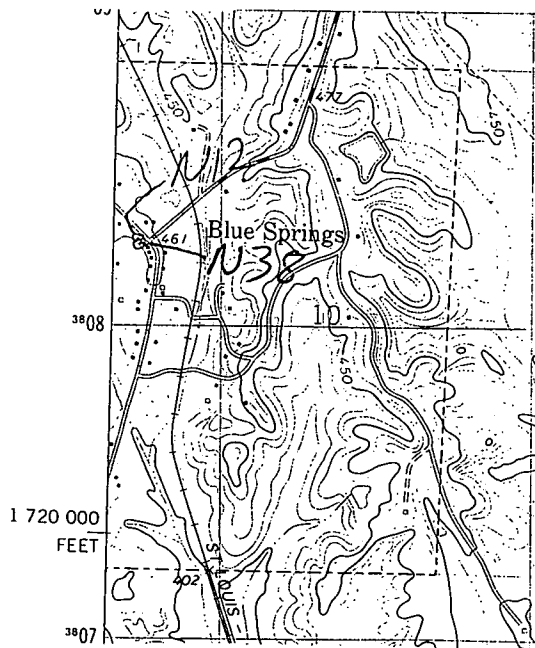
If more than one screen, show locations of each on sketch.

Back Wash

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Wayne Williams DATE: 10/21/98
UNIT DEQ #: _____ FILE #: B102114A
HEALTH DEPT. #: 730002-01 ELEV. 460'
USGS #: N12 OLWR #: GW00852
OWNER: Blue Springs W. A. QUAD: Ellistown
LOCATION: SE NW SW NW S 10 T 85 R 4E COUNTY: Union
LOCATION DESCRIPTION: In small building; two ground tanks +
N 38(730002-02) are outside of site.
CASING DIA: 8" PUMP TYPE & SIZE: Submersible (was turbine)
GPS FIELD LOCATION: LAT. 34° 24' 13.3" N LONG. 88° 52' 26.8" W
GPS CORRECTED LOCATION: LAT. 34.403419 N LONG. 88.874291 W
REMARKS: Location is approx 10' east of N12(730002-01)
+ ~5 feet west + ~10 feet north of N38(730002-02)



N12

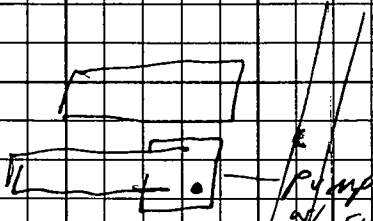
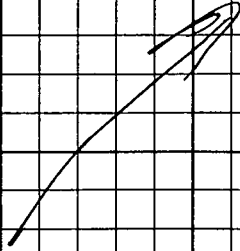
~~205~~

INS DOA

220

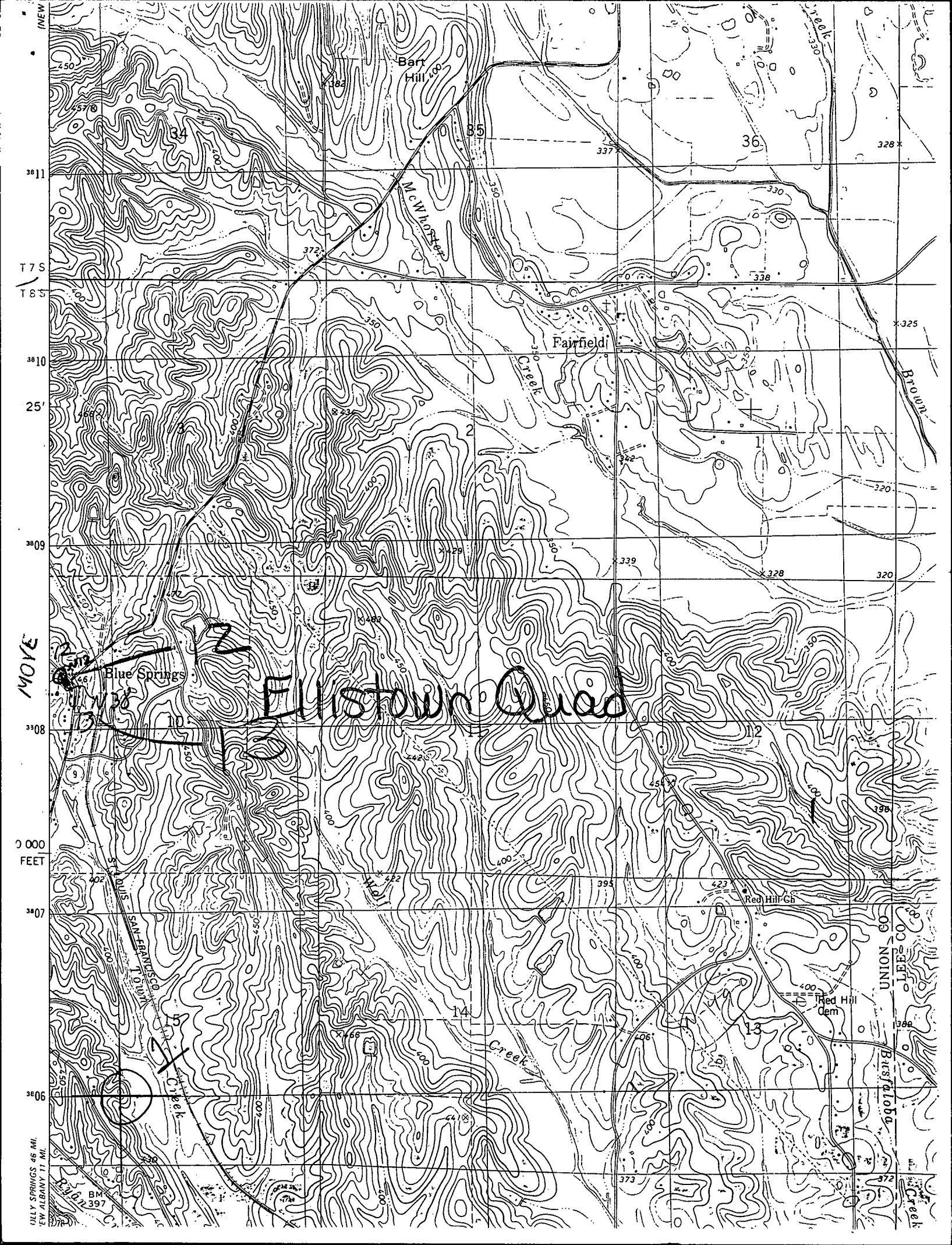
730002-01

Blue Springs Crk.
#2



pumphouse
of submarine N12

Turbine pump
N38



NEW ALBANY 11 MI.
46 MI.
SPRINGS

MOYE

0 2000
FEET

BM
397

Ellistown Quad

Bar
Hill

Fairfield

Blue Springs

Red Hill Ch

Red Hill
Dem

SAN FRANCISCO
COUNTY

UNION CO
LEE CO

Burlington
Creek