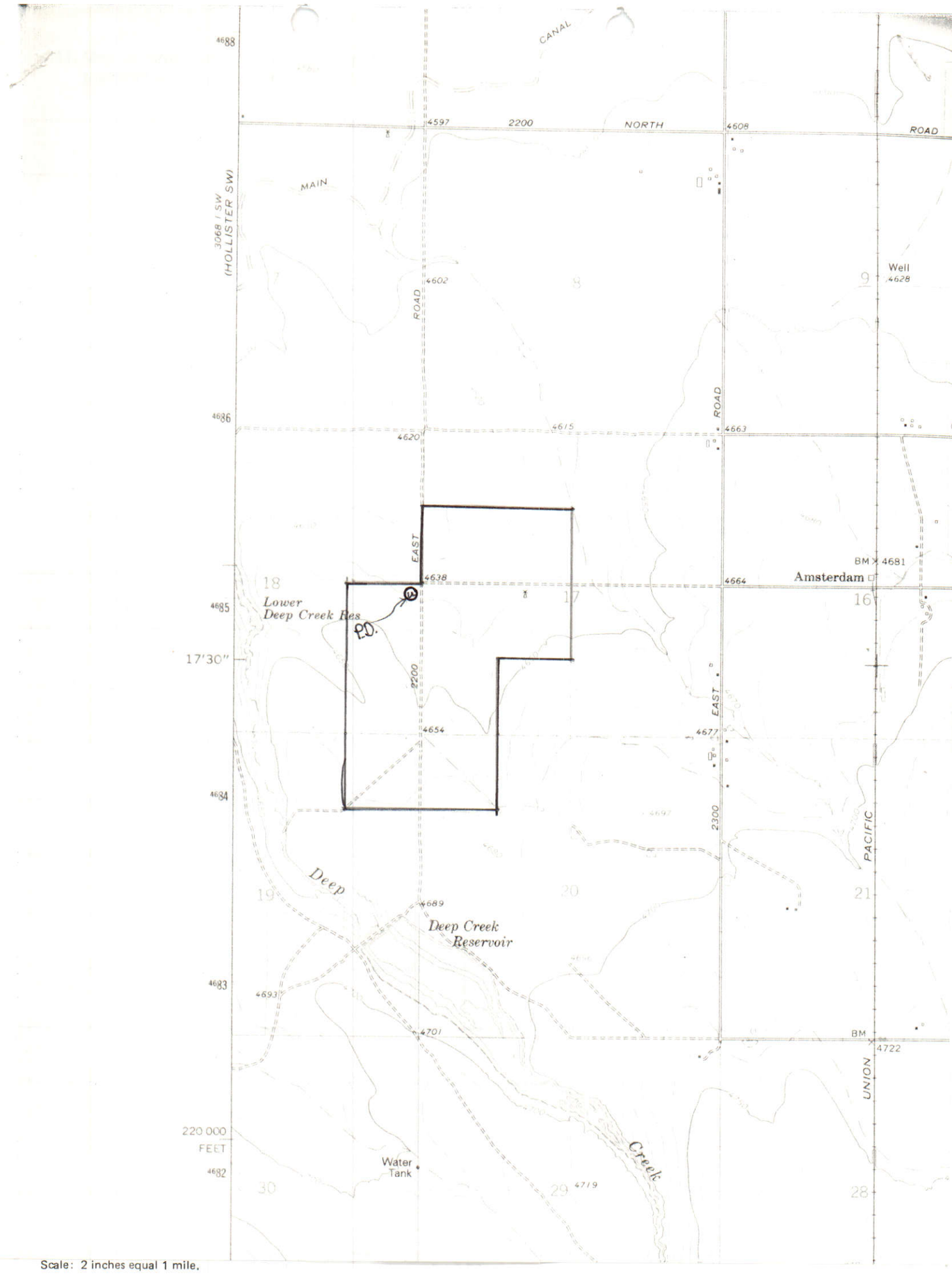


Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

UNPROTESTED

Owner (Applicant)

LEGAL NOTICE

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application(s) have been submitted for permit to appropriate the public waters of the State of Idaho:

47-7753
LOUGHMILLER FARMS, INC.
RT. 1, TWIN FALLS, ID 83301
Source:
GROUNDWATER
Date Filed: 09/15/1981
Amount: 6.00 CFS
Diversion Point: NESE Sec 18 T 13S R 16E, TWIN FALLS Co.
Use: IRRIGATION (6.00 CFS) from 03/15 to 11/15
Place of Use: SWNW SENW NESW NWSW SWSW Sec 17 T 13S R 16E NESE SESE Sec 18 T 13S R 16E NENE Sec 19 T 13S R 16E NWNW Sec 20 T 13S R 16E FOR 360 ACRES
Diversion Means: WELL, PUMP, SPRINKLER

If issued, the permit(s) will be subject to all prior water rights. Protests against the granting of any permit must be filed with the Director of the Idaho Department of Water Resources, 1041 Blue Lakes Blvd. North, Twin Falls, Idaho 83301 and received on or before OCTOBER 13, 1981.

A. KENNETH DUNN
Director

PUBLISH: Thursday, September 24, and October 1, 1981.

RECEIVED
OCT 10 1981
Department of Water Resources
Southern Idaho

MICROFILMED

Affidavit of Publication

STATE OF IDAHO, }
COUNTY OF TWIN FALLS } ss.

№ 10717

I, Pamela Renae Cisco being first duly sworn upon oath, depose and say that I am Princ. Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for 2 consecutive publications, commencing with the issue dated September 24, 1981, and ending with the issue dated October 1, 1981.

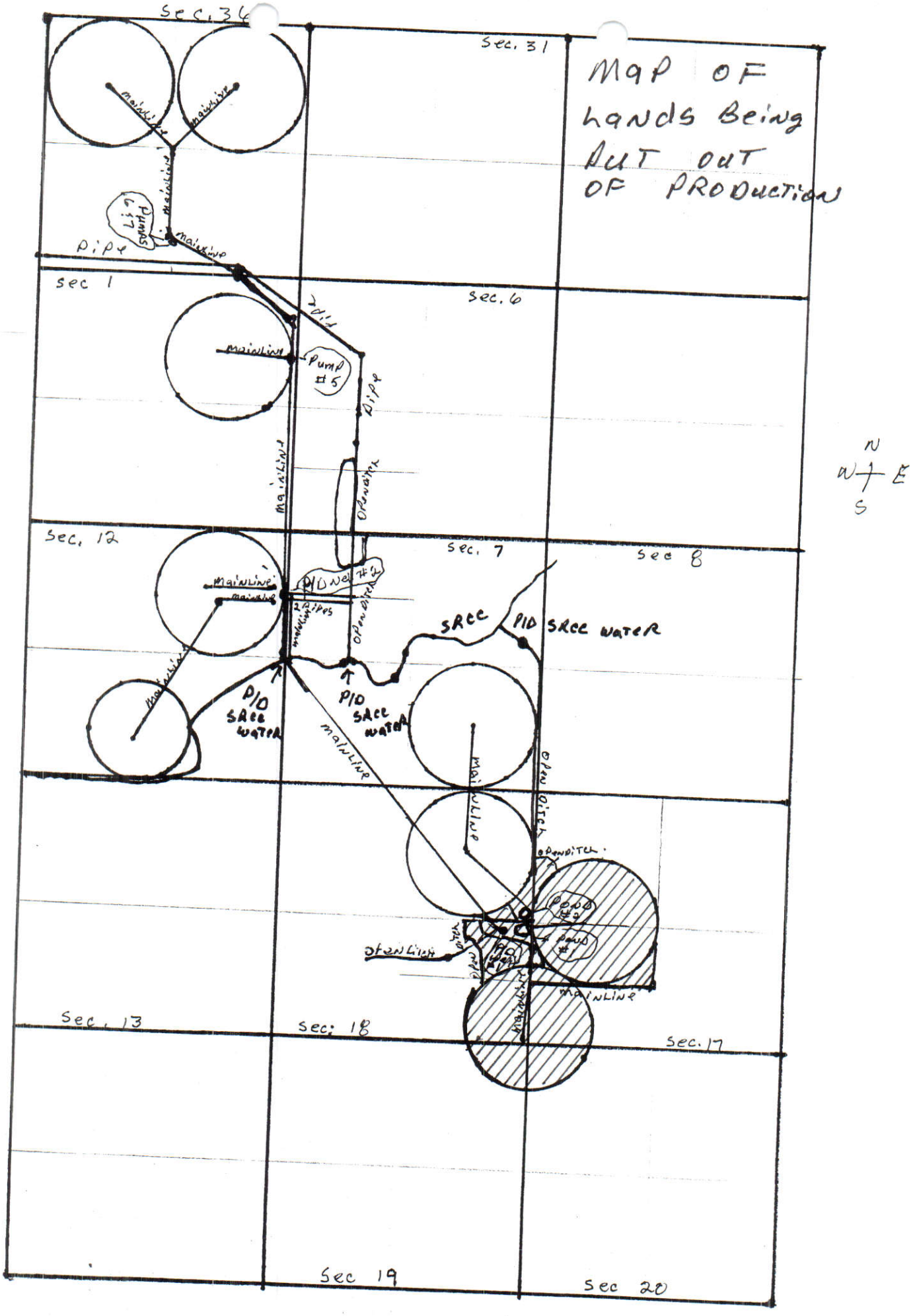
And I do further certify that said newspaper is a consolidation, effective February 16, 1942, of the Idaho Evening Times, published theretofore daily except Sunday, and the Twin Falls News, published theretofore daily except Monday, both of which newspapers prior to consolidation had been published under said names in said city and county continuously and uninterruptedly during a period of more than twelve consecutive months, and said TIMES-NEWS, since such consolidation, has been published as a daily newspaper except Saturday, until July 31, 1978, at which time said newspaper began daily publication under said name in said city and county continuously and uninterruptedly.

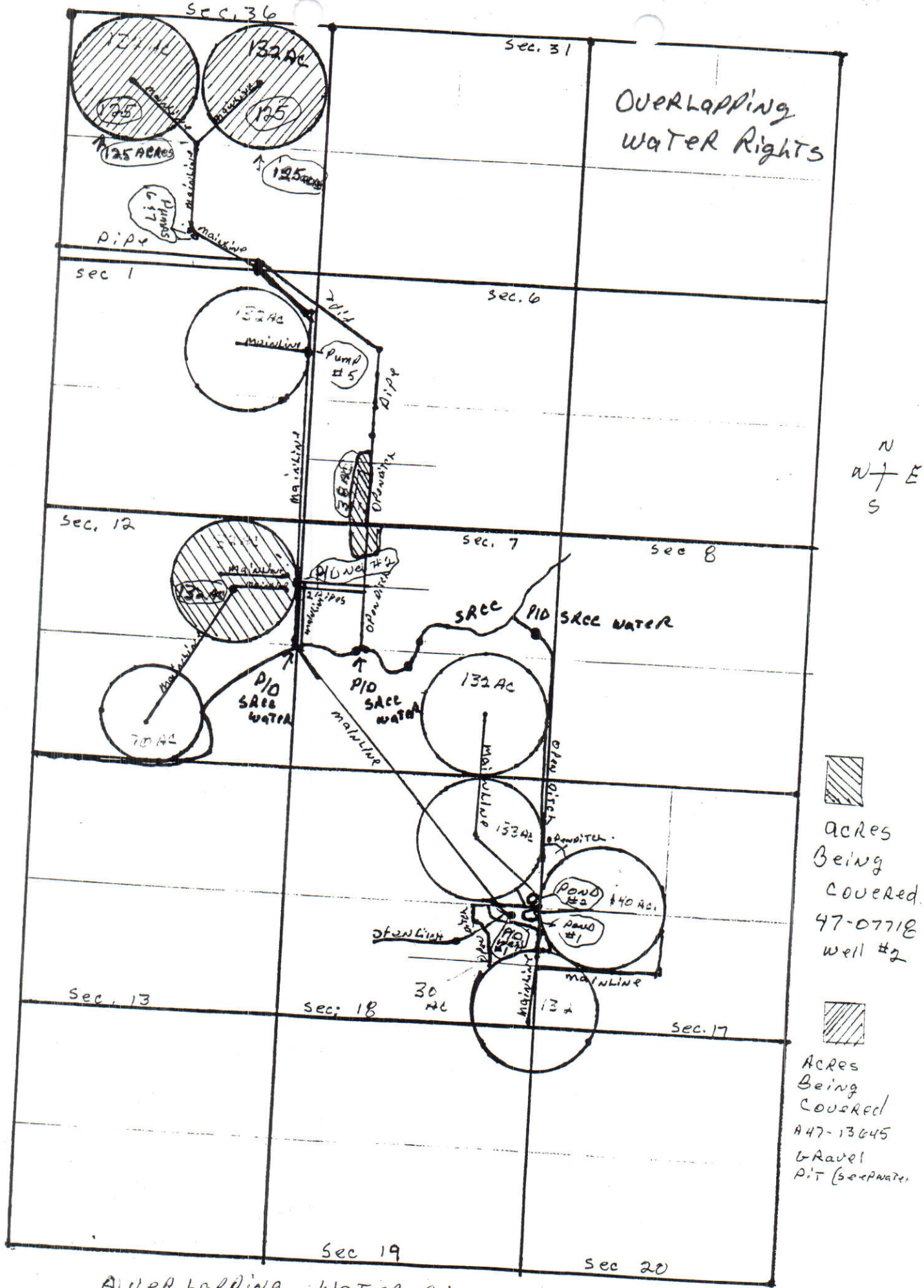
And I further certify that pursuant to Section 60-108 Idaho Code, Thursday of each week has been designated as the day on which legal notice by law or by order of any court of competent jurisdiction within the state of Idaho, to be published weekly, will be published; and that at the head of the editorial column of said combined newspapers, and in each issue thereof, Thursday is announced as the day on which said legal notices will be published.

Pamela Renae Cisco

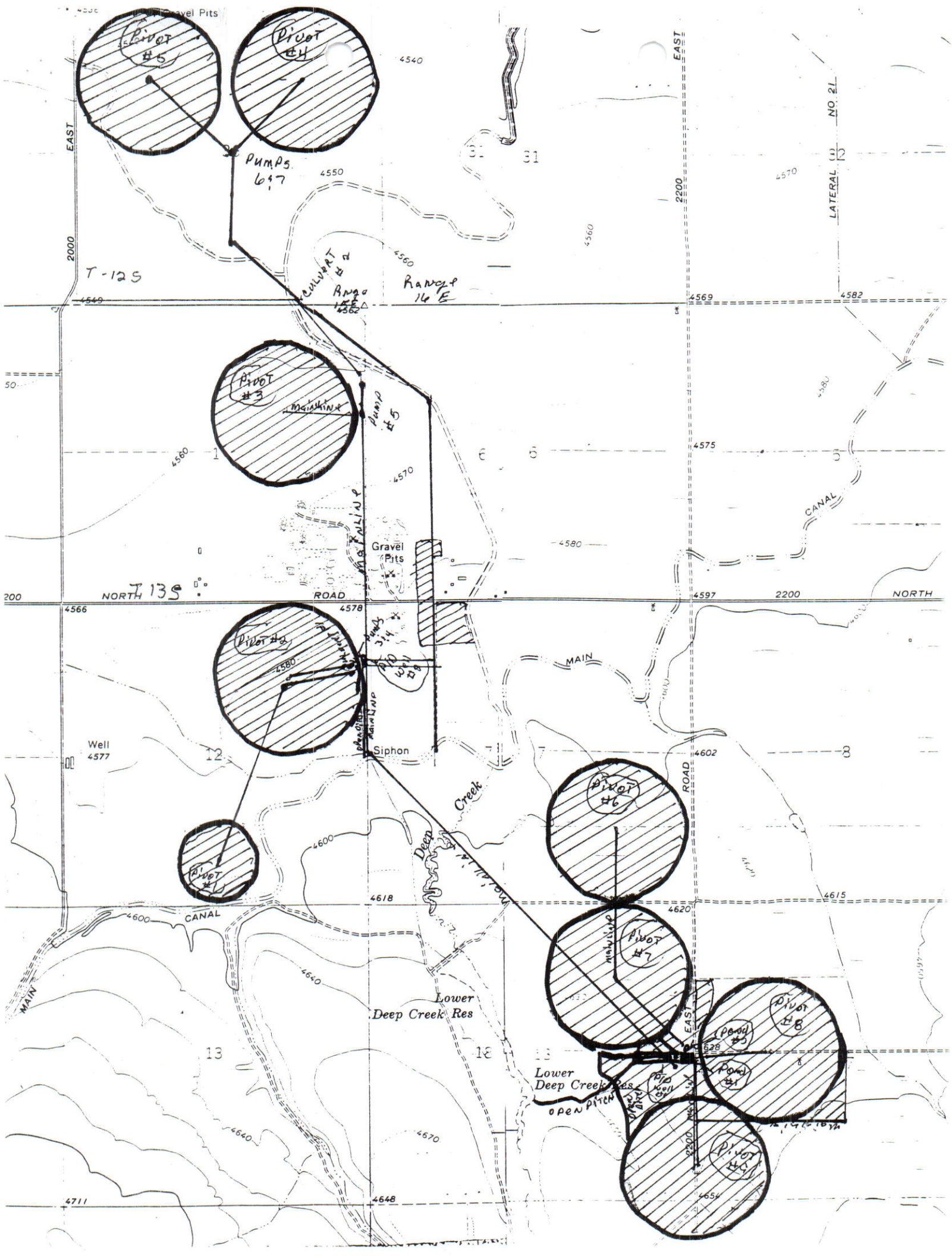
Subscribed and sworn to before me on this 2 day of October, 1981.

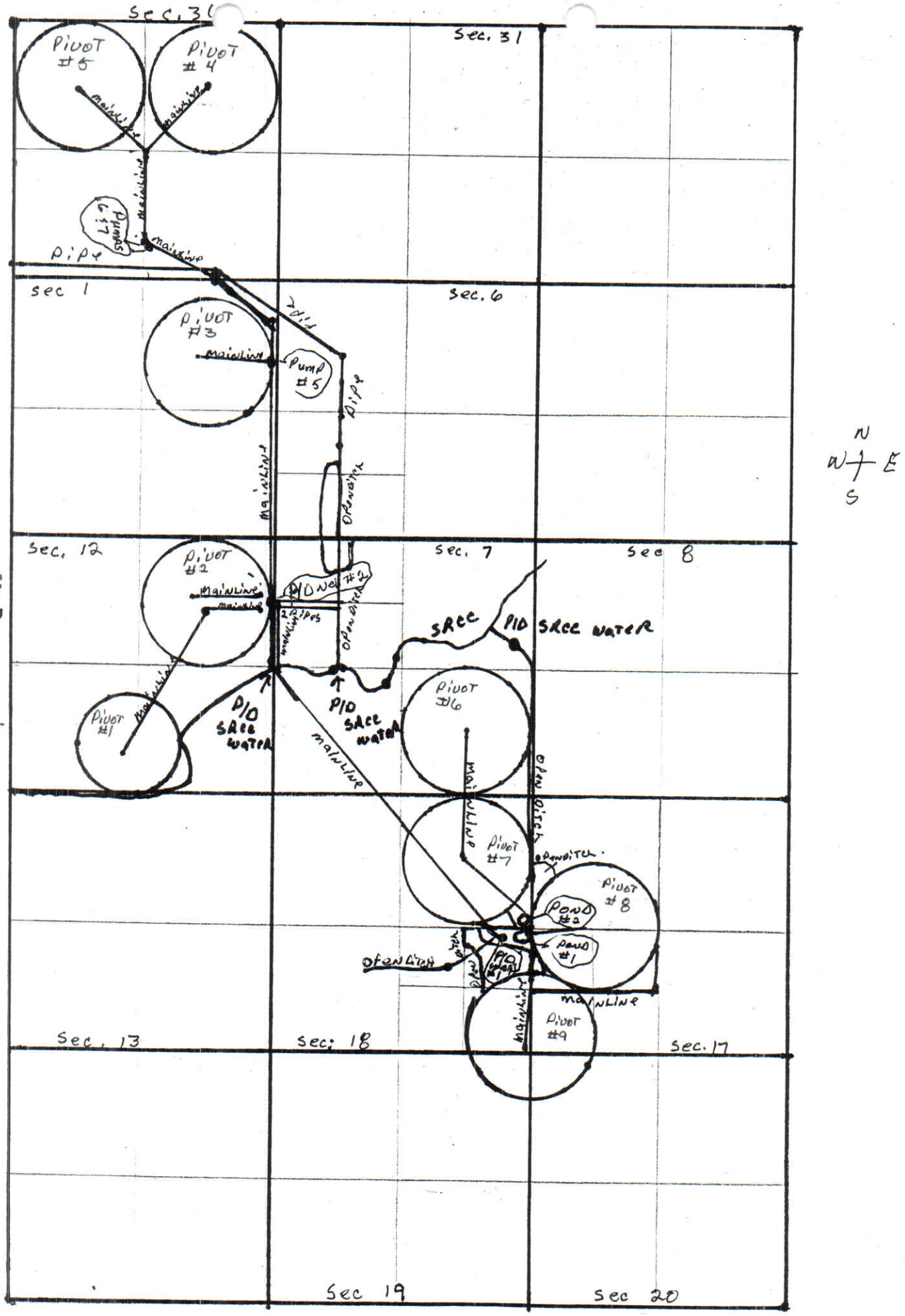
Notary Public in and for the County of Twin Falls, State of Idaho, residing at Twin Falls, Idaho


Sec. 36
Sec. 31
MAP OF
LANDS BEING
PUT OUT
OF PRODUCTION
mainline
mainline
mainline
Pump #5
Pipe
sec 1
Sec. 6
Pipe
mainline
Pump #5
Pipe
mainline
Open Ditch
Sec. 12
Sec. 7
Sec 8
mainline
PID #4
2 Pipes
mainline
Open Ditch
SRCC
PID SRCC WATER
PID SRCC WATER
PID SRCC WATER
mainline
mainline
Open Ditch
Open Ditch
Pond #3
Pond #2
Pond #1
Open Ditch
Pipe
mainline
MAINLINE
Sec. 13
Sec. 18
Sec. 17
Sec 19
Sec 20
N
W
E
S



OVERLAPPING WATER RIGHTS.


Gravel Pits
Pivot #5
Pivot #4
Pumps 6 & 7
T-12 S
Range 15 E
Range 14 E
EAST
2000
2200
LATERAL (L) NO. 21
Pivot #3
Mainline
Pump #5
Gravel Pits
NORTH
T 13 S
ROAD
2200
NORTH
Pivot #2
Ponds 3 & 4
Pond #2
MAIN
Well 4577
Siphon
Deep Creek
Pivot #6
ROAD
Pivot #1
CANAL
Pivot #7
Lower Deep Creek Res
Pond #3
Pivot #8
Pond #1
Lower Deep Creek Res
open pitch
Pivot #9
CANAL
MAIN

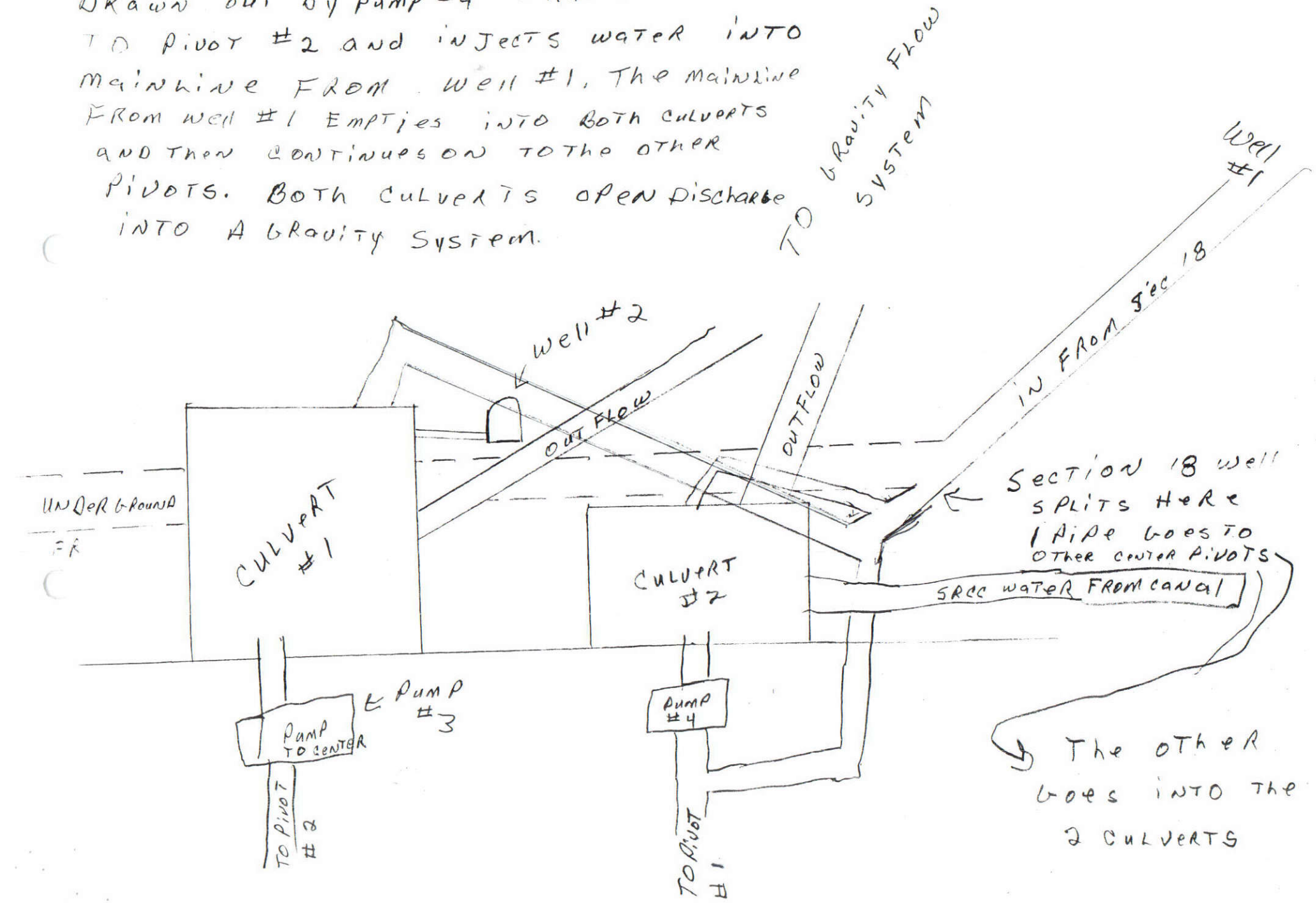


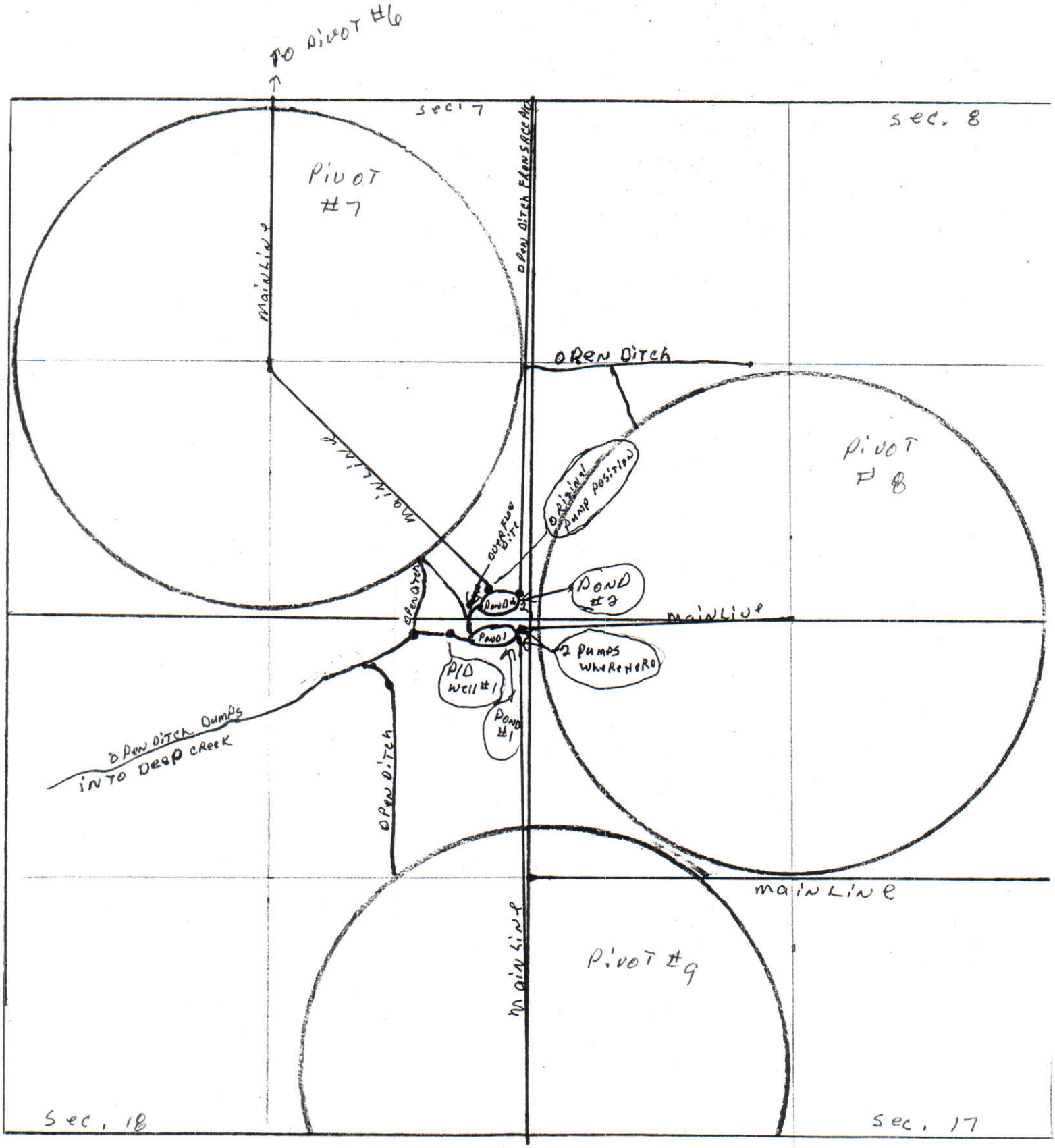
Please Note!
See cutout of well #1, pond #1 and pond #2

And cutout of well #2 and the diversion system

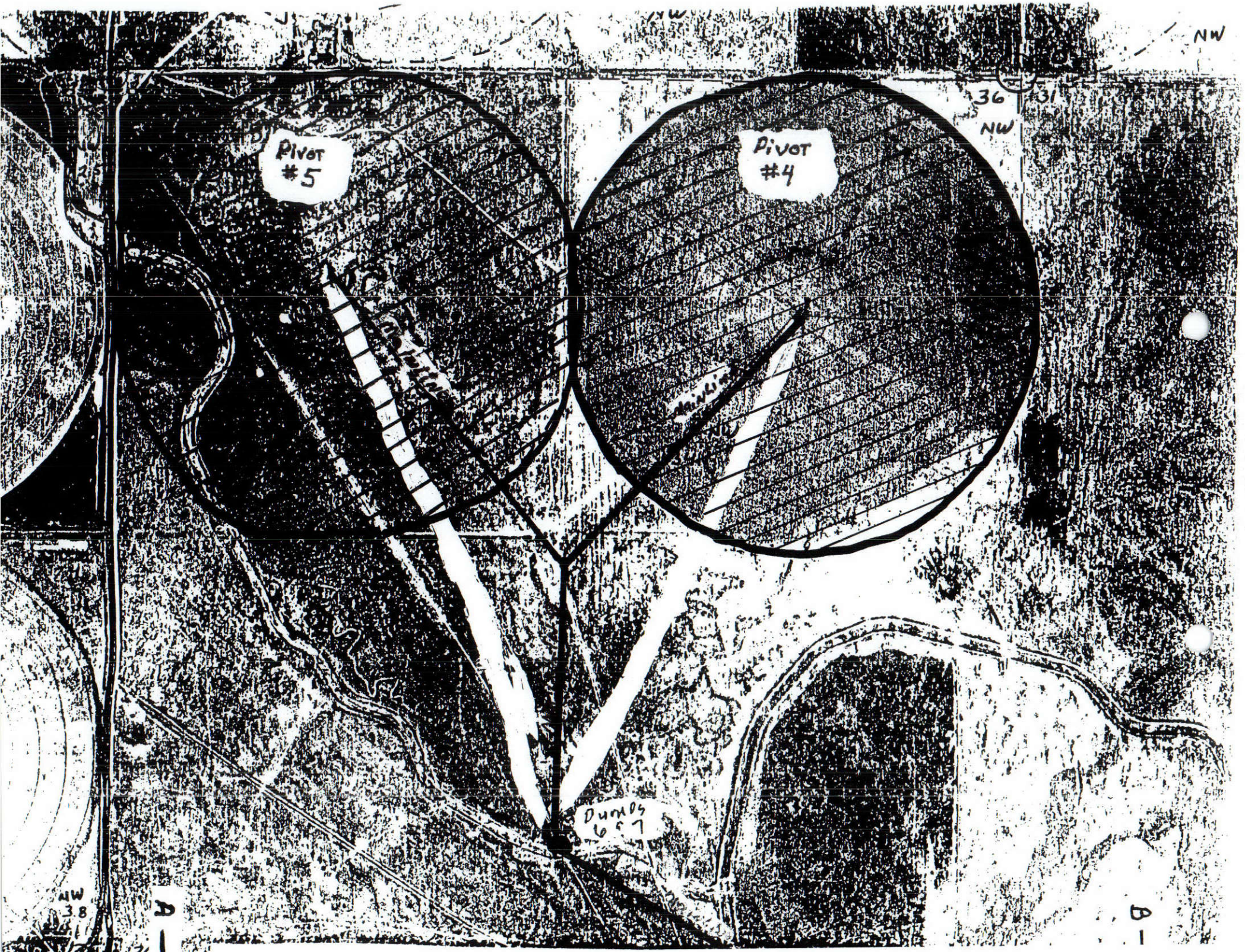
SRCC WATER ENTERS CULVERT #2 and is DRAWN OUT BY PUMP #4 THAT SENDS WATER TO PIVOT #2 and INJECTS WATER INTO MAINLINE FROM WELL #1. THE MAINLINE FROM WELL #1 EMPTIES INTO BOTH CULVERTS AND THEN CONTINUES ON TO THE OTHER PIVOTS. BOTH CULVERTS OPEN DISCHARGE INTO A GRAVITY SYSTEM.

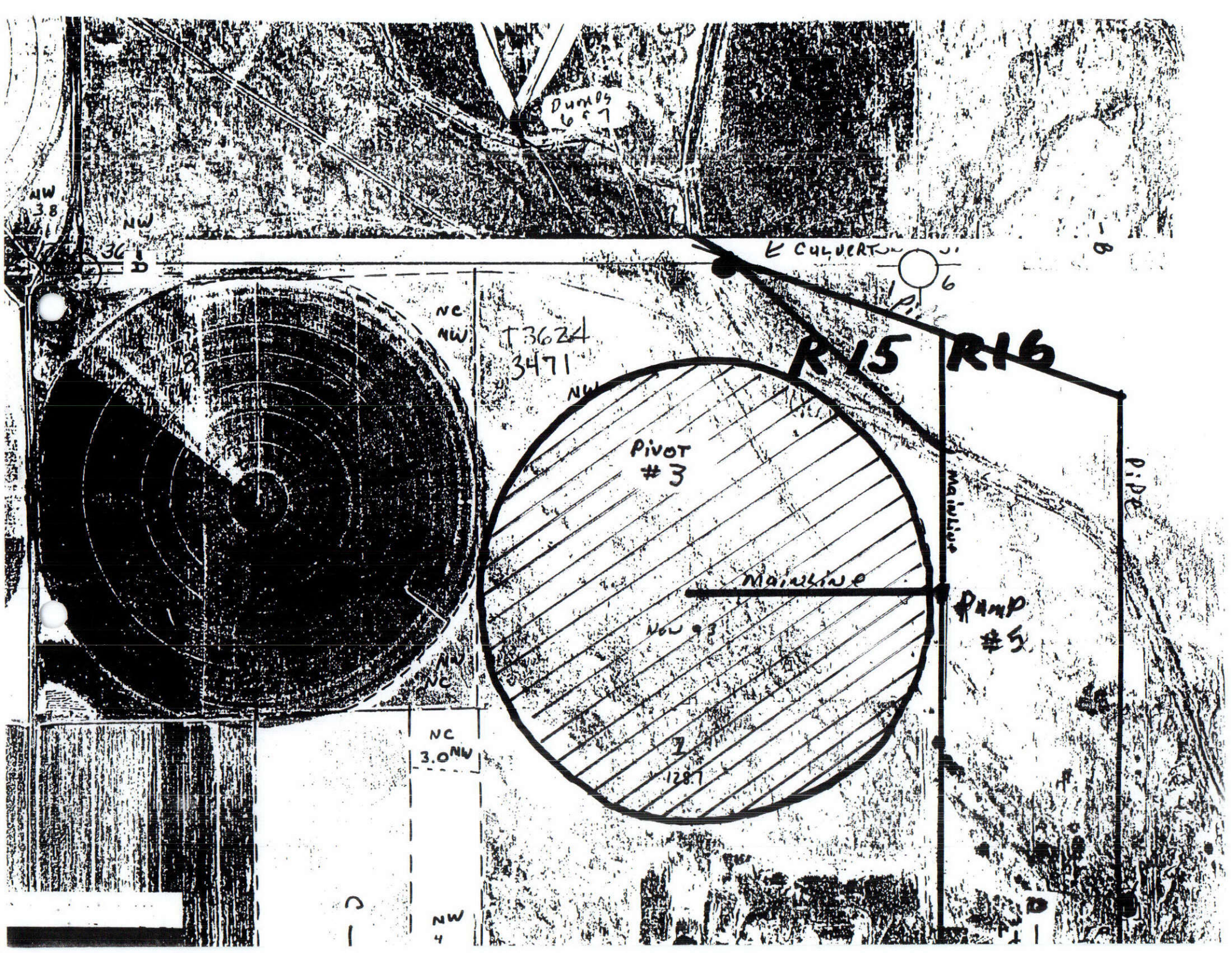
CUT OUT OF WELL #2

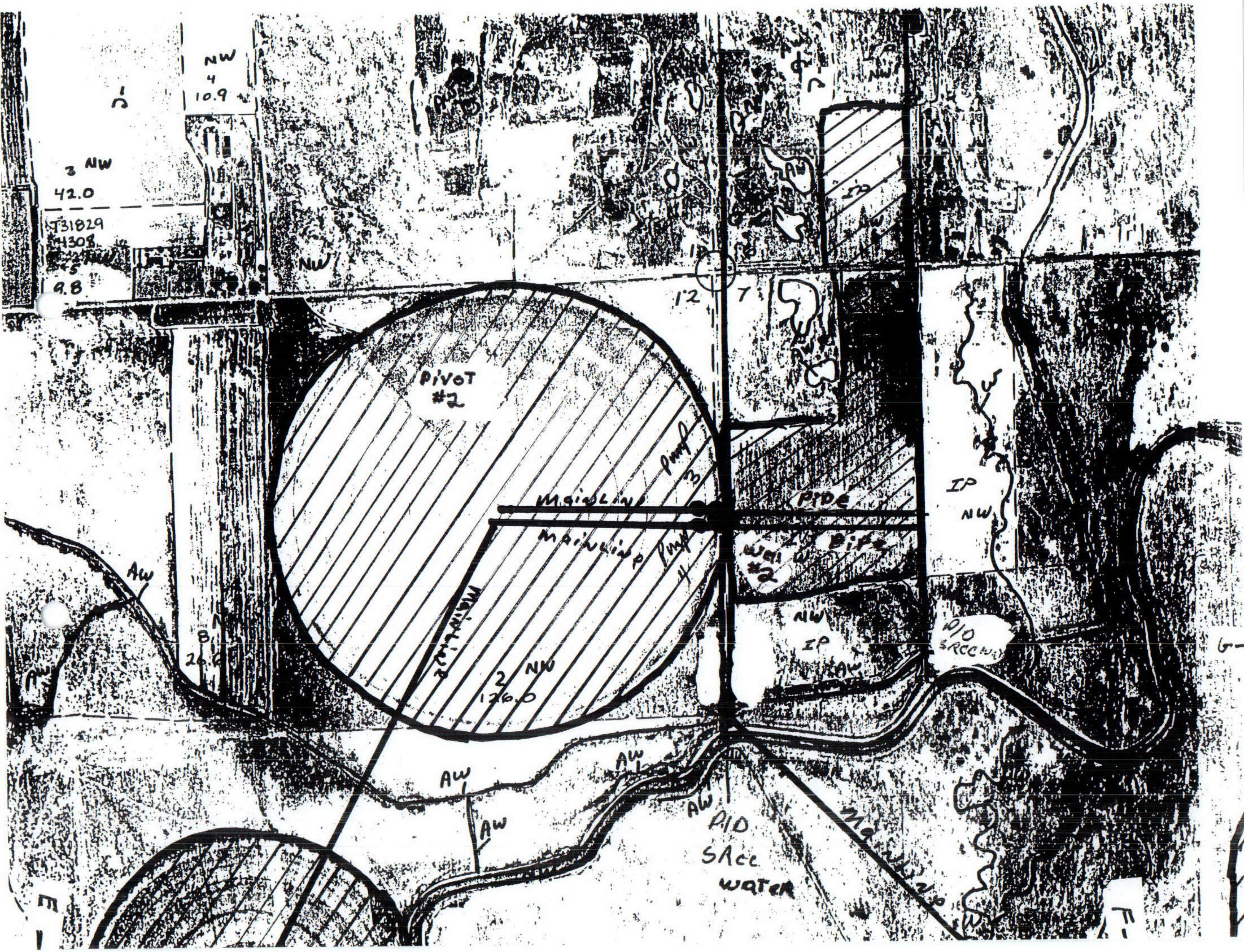




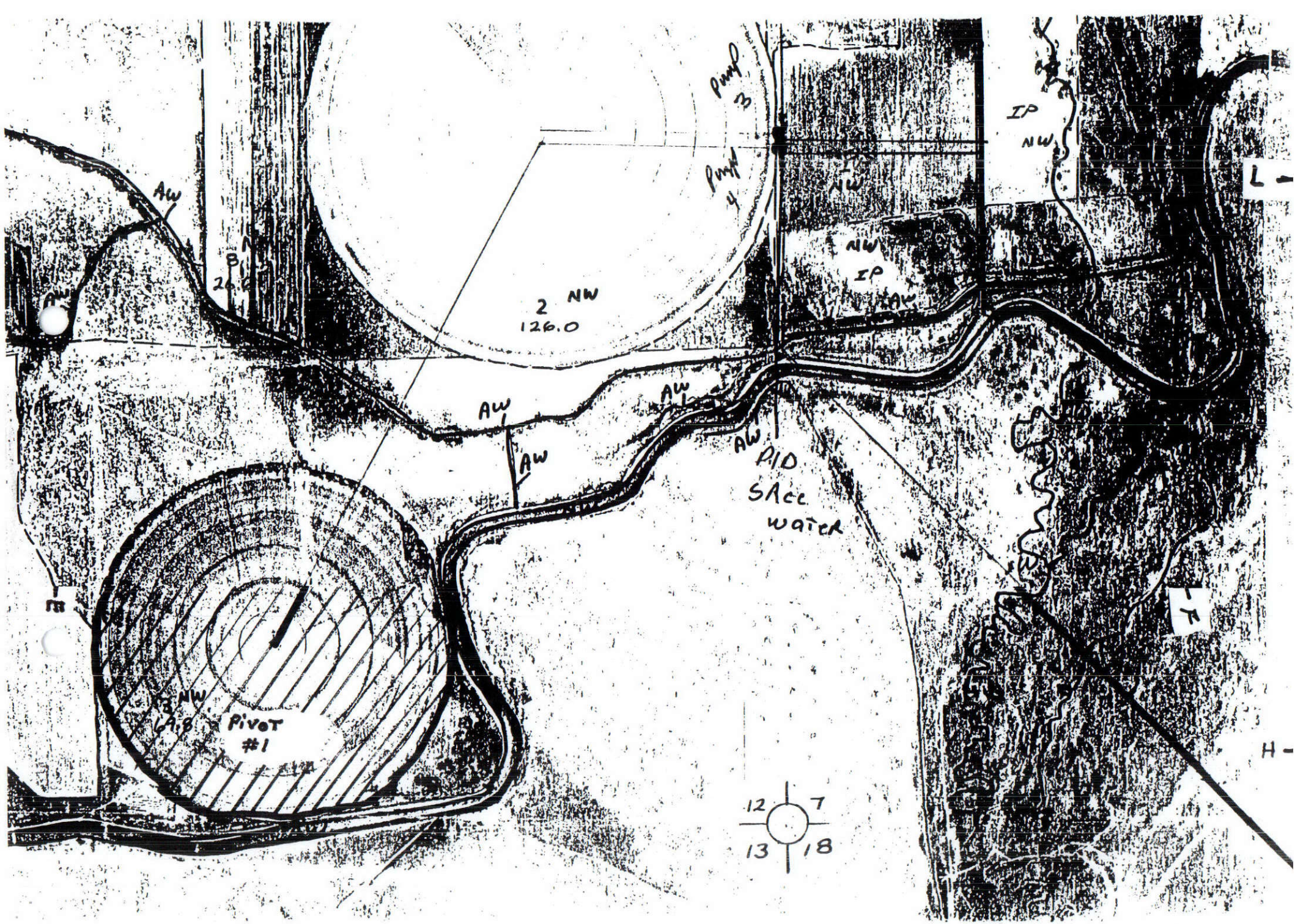
CUT OUT FOR WELL #1 AND DIVERSION WORKS

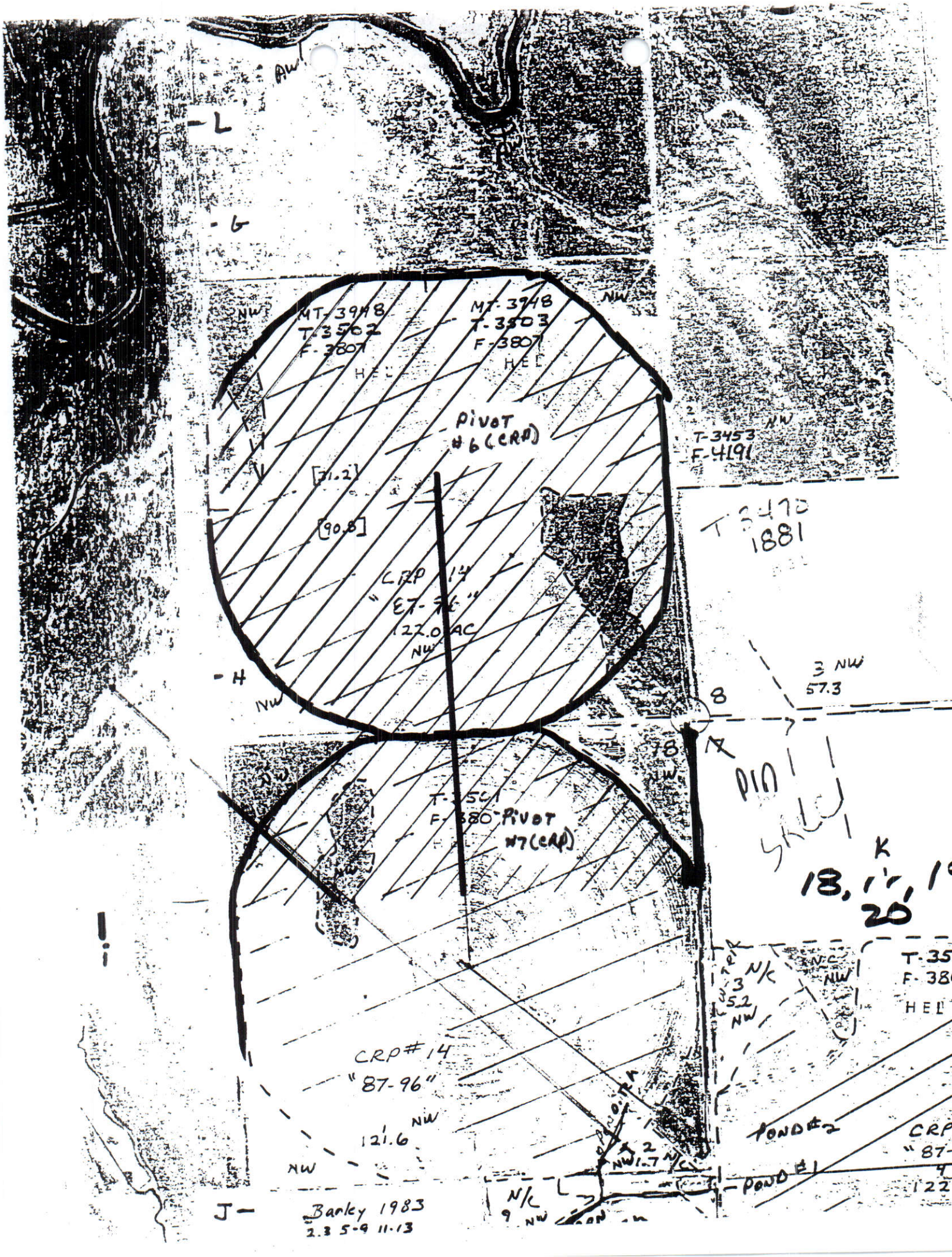

Pivot #5
Pivot #4
36
31
NW
Dunds
A
B

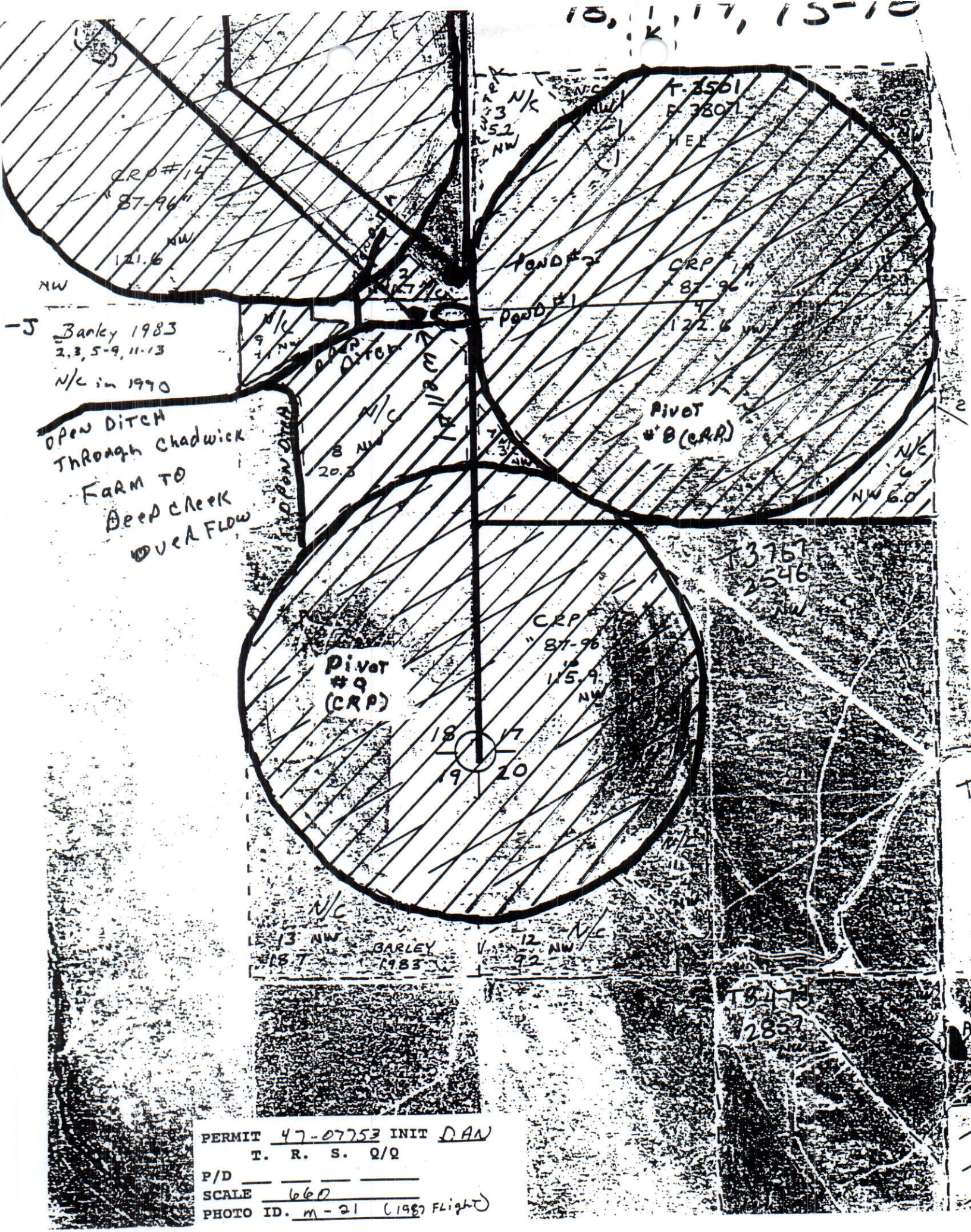

Dumps
NW
38
NW
36
D
CULVERT
6
NC
NW
T3624
3471
NW
R15
R16
Pivot
#3
Mainline
Pipe
Mainline
Pump
#5
NW 43
NW
NC
NC
3.0 NW
7
1287
NW
4
C



NW
4
10.9
3 NW
42.0
T31829
4308
9.8
PIVOT
#2
12
7
Mainline
Mainline
Pump
Pipe
Pipe
Well
#2
IP
NW
AW
AW
AW
AW
AW
2 NW
126.0
P/D
SAcc
water
Mainline


Pump 3
Pump 4
IP
NW
L
AW
2 NW
126.0
NW
IP
AW
AW
AW
AW
AW
PID
SAcc
WATER
LF
H
3 NW
69.8
PIVOT
#1
12
7
13
18


L
G
H
I
J
AW
NW
MT-3948
T-3502
F-3807
HEL
MT-3948
T-3503
F-3807
HEL
Pivot
#6 (CRP)
[71.2]
[90.8]
CRP #14
"87-96"
127.0 AC
T-3453
F-4191
1881
3 NW
57.3
8
78
T-3501
F-3807
Pivot
#7 (CRP)
CRP #14
"87-96"
121.6
POND #2
POND #1
Barley 1983
2.3 5-9 11-13

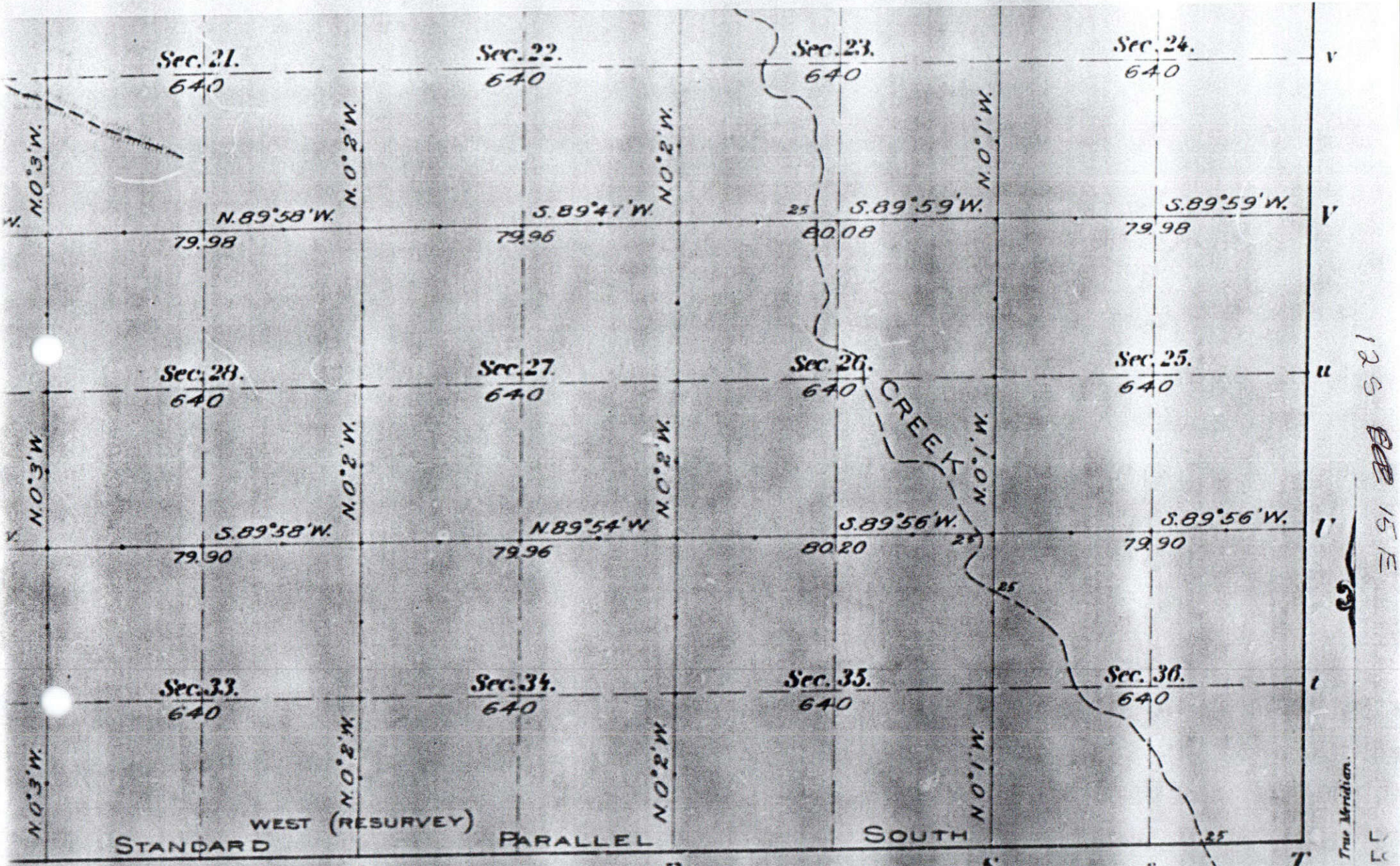


PERMIT 47-07753 INIT DAN
T. R. S. Q/Q

P/D

SCALE 660

PHOTO ID. M-21 (1987 Flight)



12 S. Rge 15 E

Total number of Acres 23033.50

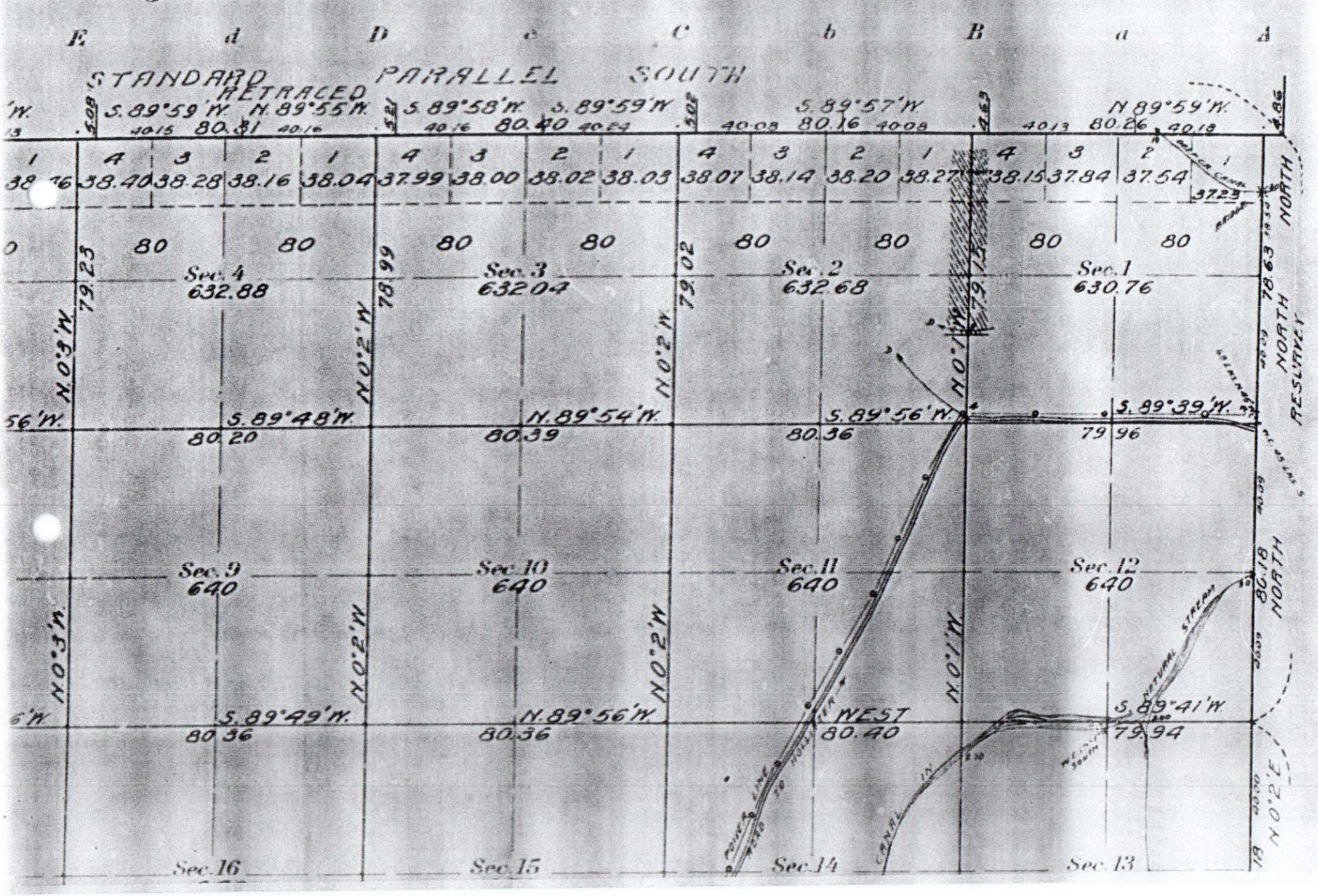
No. of Surveys Ch's	Lk's	When Surveyed	Mean Declination
79	18	Feb 28-Mar 8, 1901.	
78	76	June 2-8, 1901.	18° 26' E.

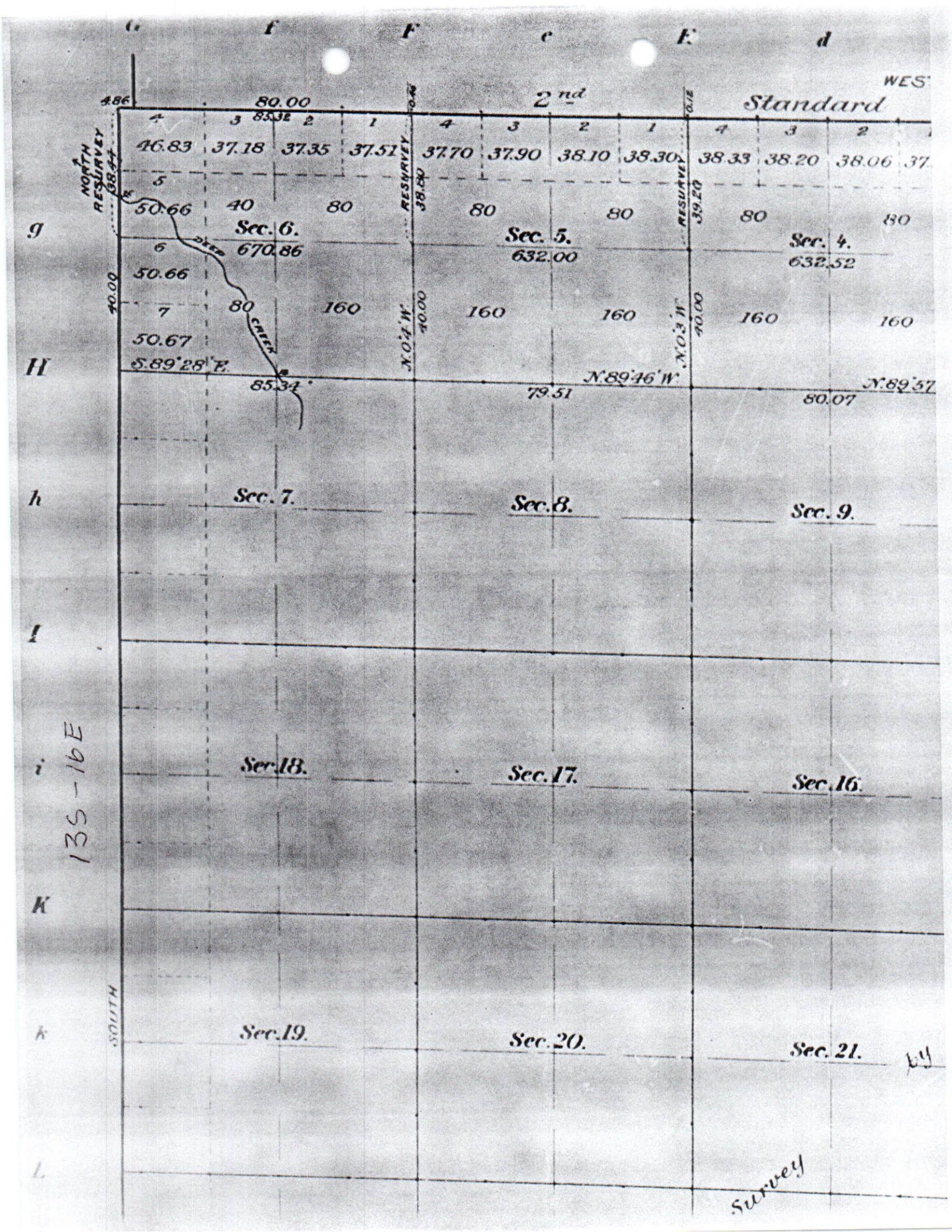
The above Map of Township No 12 South of the Boise Meridian Idaho is conformable to the notes of the survey thereof on file in this Office, which has

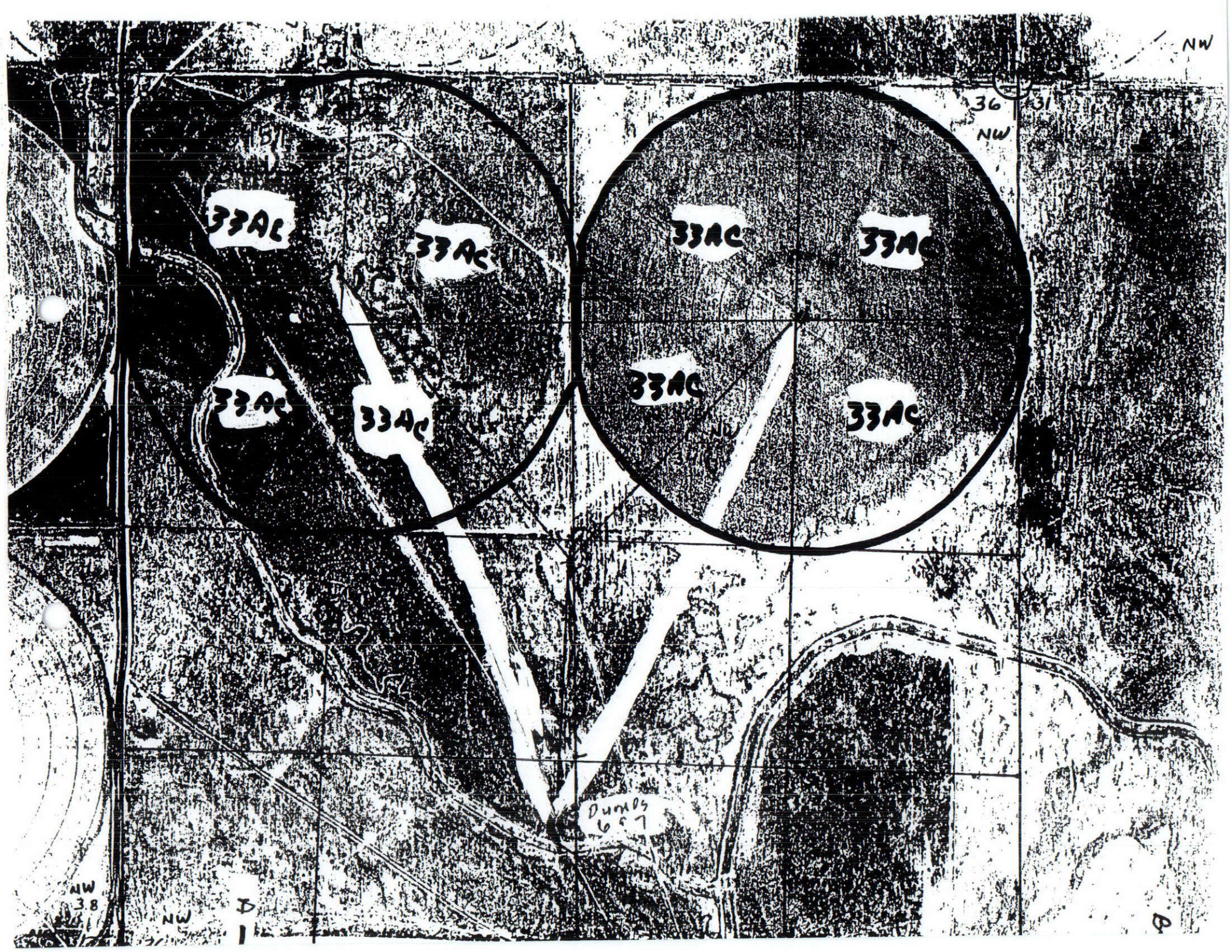
(4-675a)

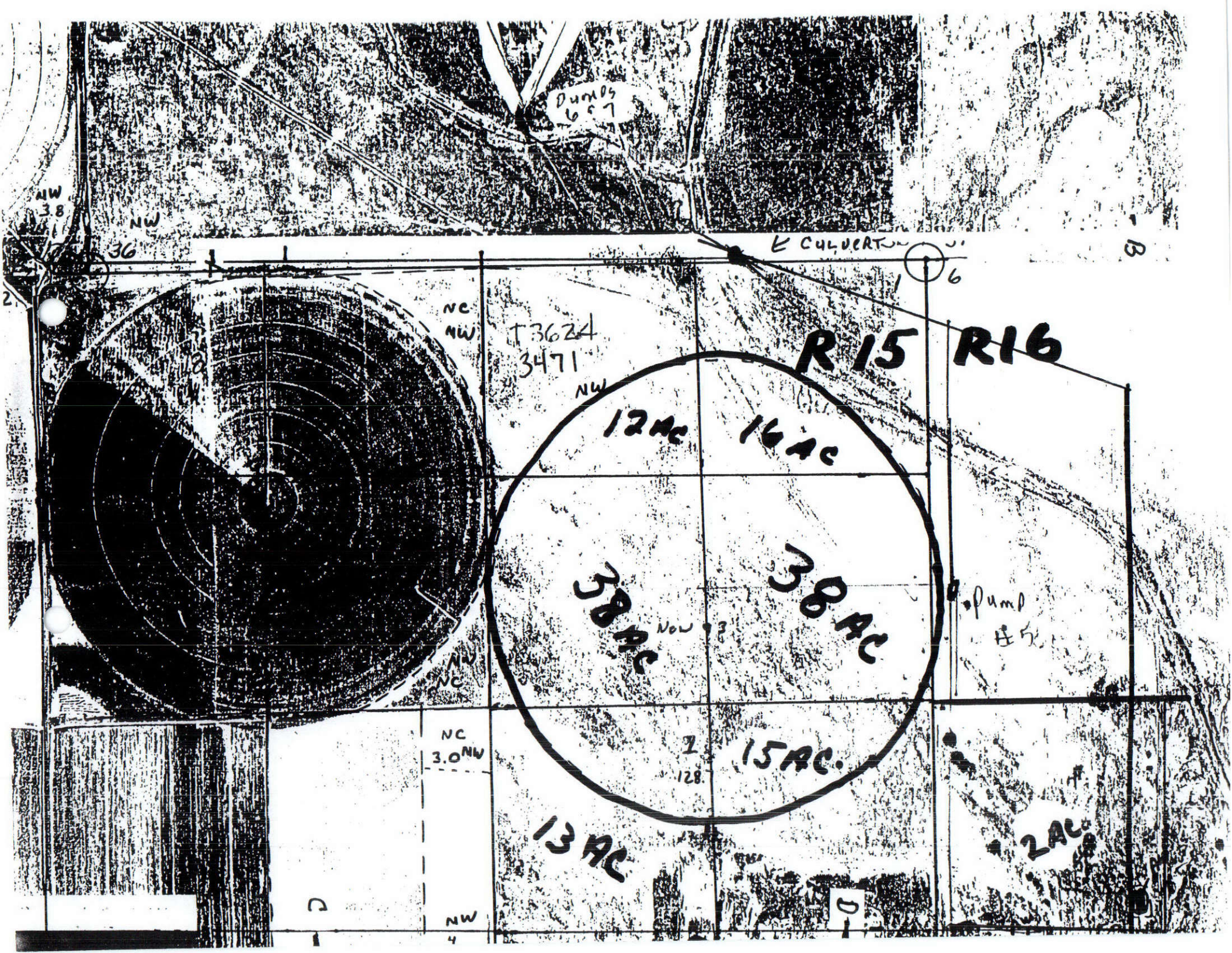
T35-15E

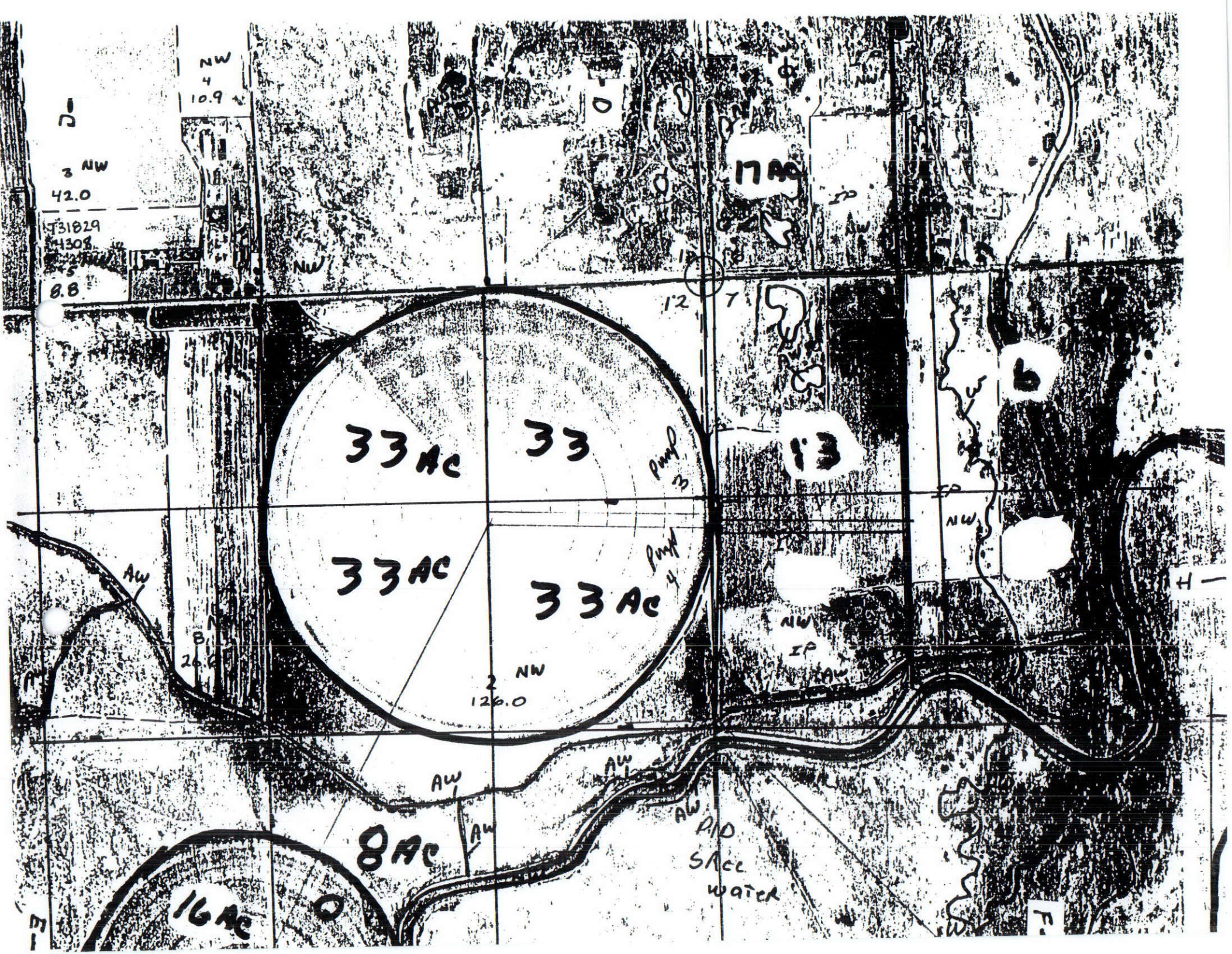
, Range No. 15 East of the Boise Meridian, Idaho.

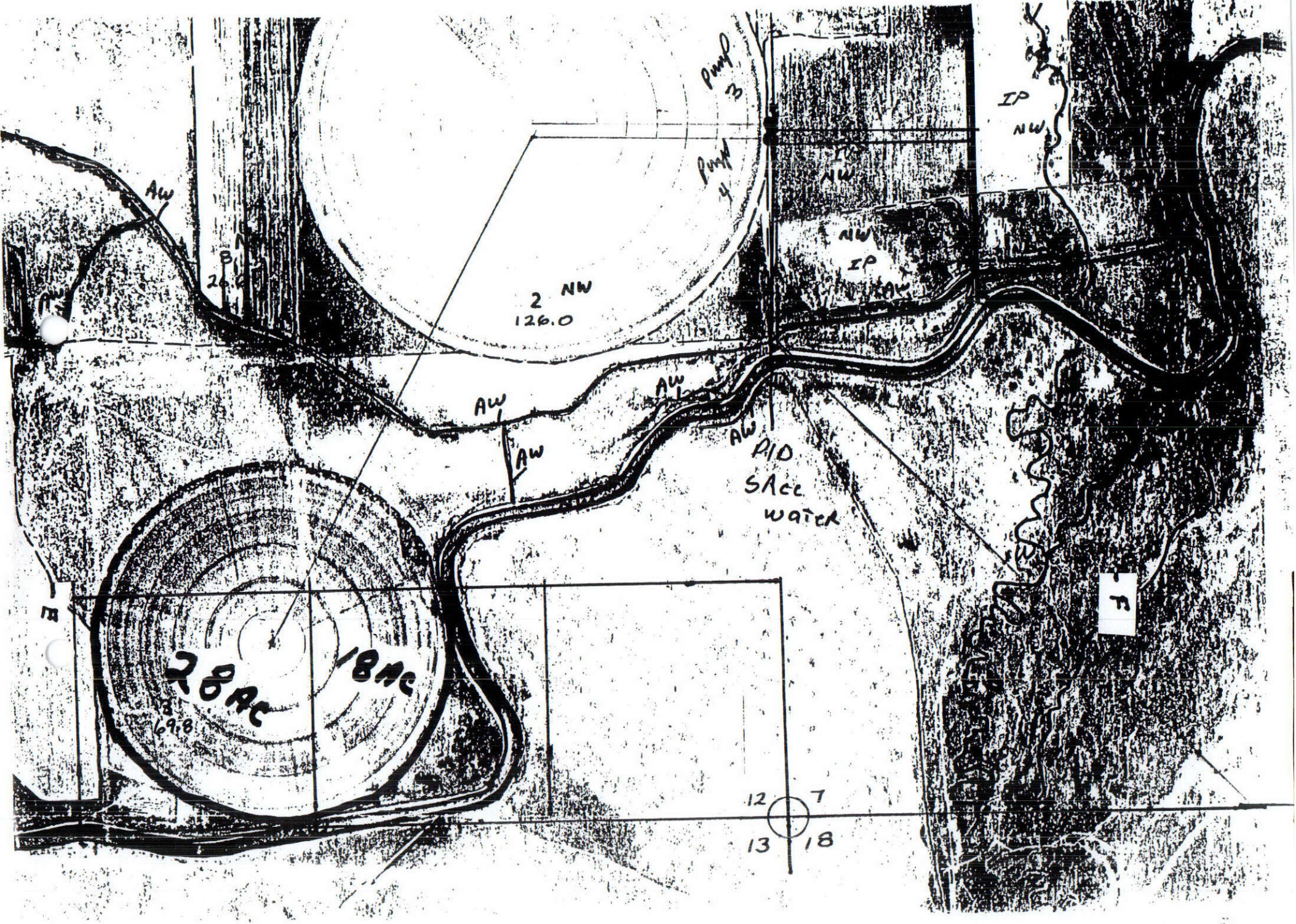


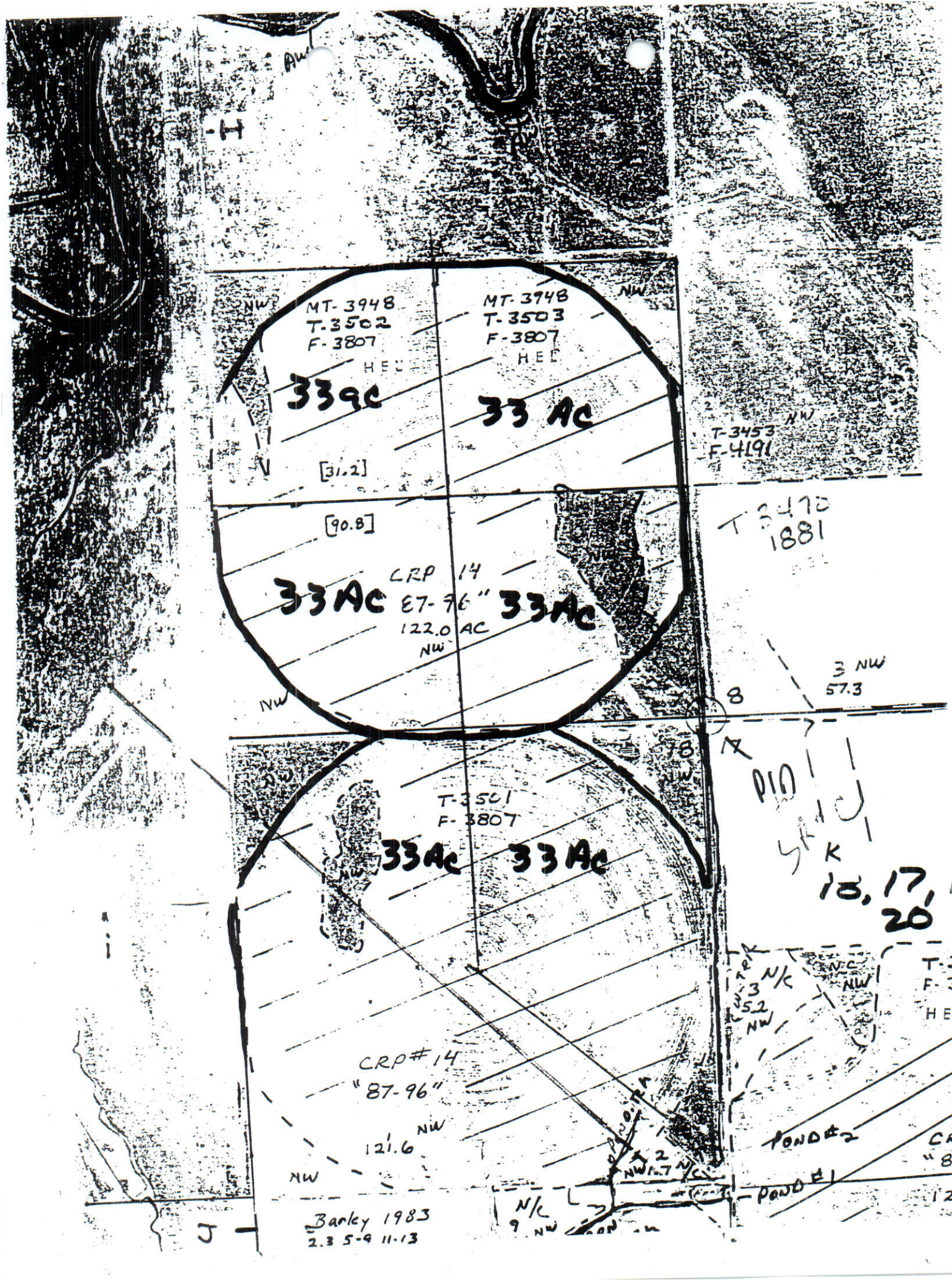

2nd Standard
WEST
80.00
4.86
NORTH RESURVEY
RESURVEY
RESURVEY
38.44
38.80
39.20
46.83
37.18
37.35
37.51
37.70
37.90
38.10
38.30
38.33
38.20
38.06
50.66
40
80
80
80
80
80
Sec. 6.
Sec. 5.
Sec. 4.
670.86
632.00
632.52
50.66
80
160
160
160
160
160
160
50.67
S. 89° 28' E.
85.34
N. 0° 4' W.
40.00
N. 0° 3' W.
N. 89° 46' W.
79.51
N. 89° 57'
80.07
Sec. 7.
Sec. 8.
Sec. 9.
Sec. 18.
Sec. 17.
Sec. 16.
Sec. 19.
Sec. 20.
Sec. 21.
SOUTH
135 - 16E
Survey

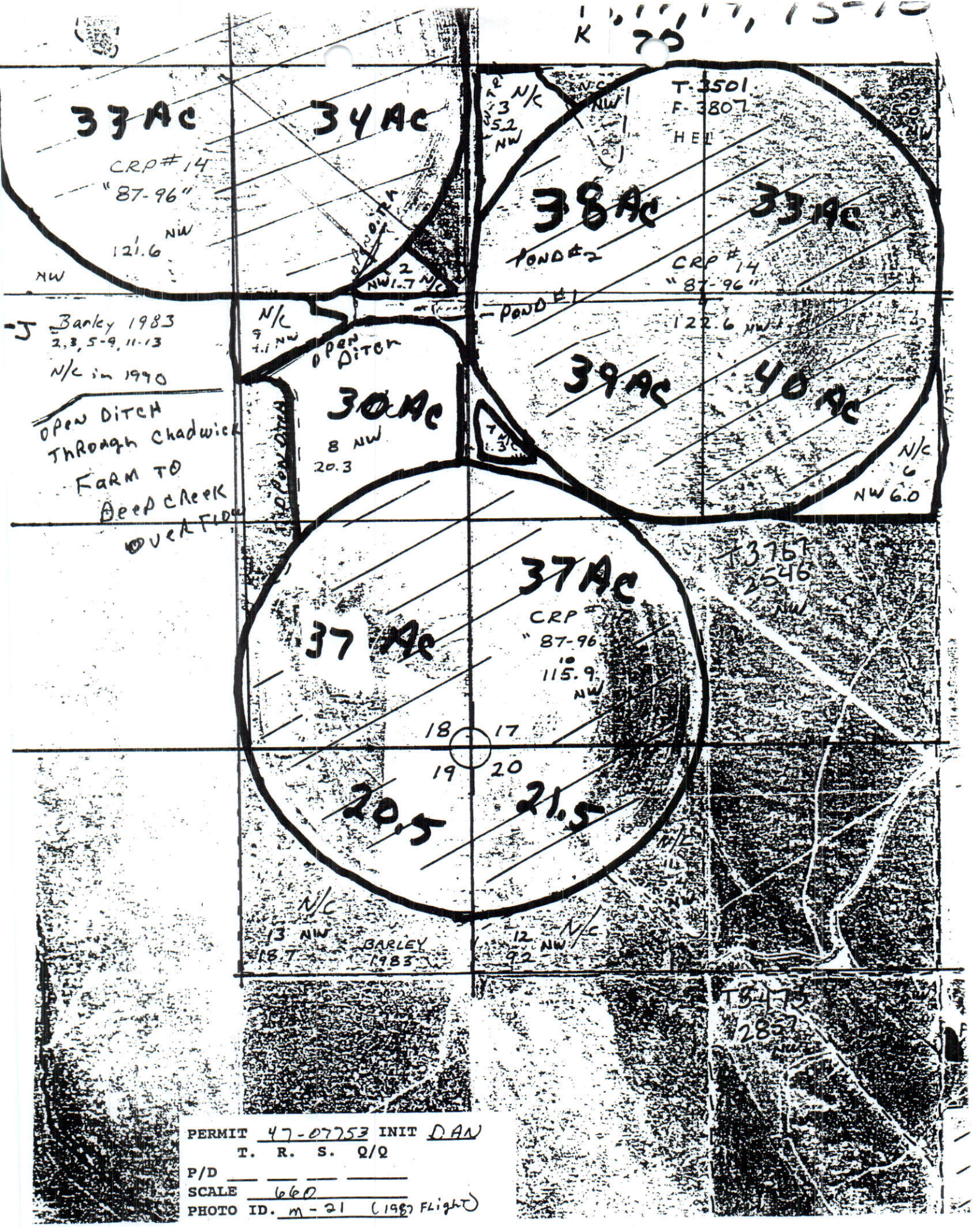

NW
36
31
NW
33AC
33AC
33AC
33AC
33AC
33AC
NW
Dunds
6 S 7
NW
38
NW
D


Dumps
NW
3.8
36
NW
E CULVERT
6
NC
NW
T3624
3471
R15
R16
NW
12 AC
16 AC
38 AC
38 AC
NW
Pump
NW
NC
NC
3.0 NW
15 AC.
128
13 AC
2 AC
C
D
NW
4


NW
10.9
3 NW
42.0
T31829
1308
8.8
NW
17 AC
IP
NW
12
T
33 AC
33
Pump 3
13
33 AC
33 AC
Pump 4
NW
IP
AW
2 NW
126.0
AW
AW
AW
AW
8 AC
P/O
SACC
WATER
16 AC


Pump 3
Pump 4
IP NW
IP NW
NW
NW IP AW
2 NW 126.0
AW
AW
AW
AW
AW
AW
AW
AW
PID SAcc water
28AC
18AC
69.8
12
7
13
18


MT-3948
T-3502
F-3807
HEL
33Ac
[31.2]
MT-3948
T-3503
F-3807
HEL
33 Ac
[90.8]
CRP 14
33Ac '87-96" 33Ac
122.0 AC
T-3501
F-3807
33Ac 33Ac
T-3453
F-4191
1881
CRP#14
"87-96"
121.6
POND #2
POND #1
Barley 1983
2.3 5-9 11-13



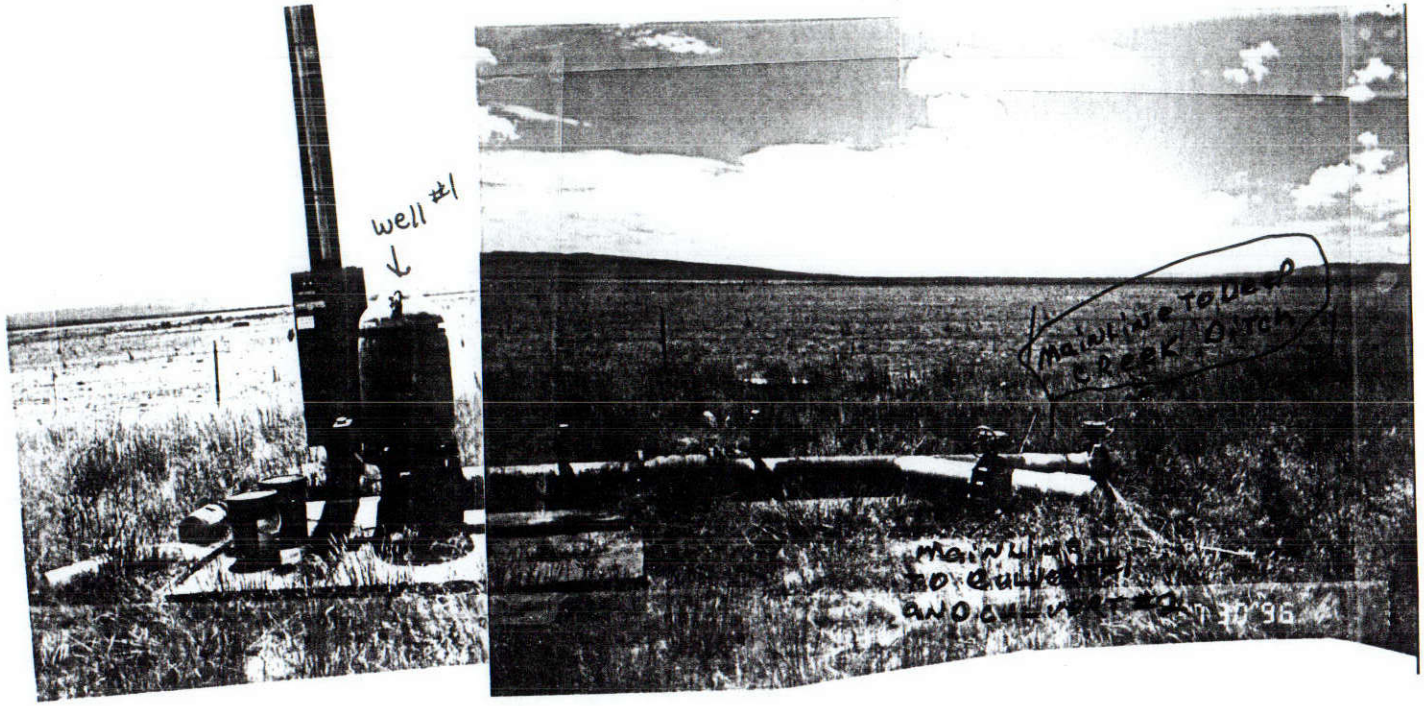
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T. R. S. Q/Q

P/D

SCALE 660

PHOTO ID. m-21 (1987 Flight)



S
E W
N

Well #1

Well #1 uses a 125 Hp pump to draw out groundwater. The water is then discharged into a mainline that splits into 2 directions. The first mainline after the splits travels north west for over a mile to culverts #1 and #2. The second mainline is used as a pressure relief if the other mainline backs up or becomes chogged. The second mainline runs south west to an open waste ditch that empties into Deep Creek.

* Please note the original photo is the Field Exam for Permit # 47-08012



Mainline FROM Well Discharges INTO CULVERT #1

CULVERT #1 Discharge Pipe TO OPEN DITCH

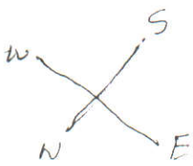
CULVERT #2 Discharge Pipe TO OPEN DITCH

Well #2.

Well #2 Pulls out WATER and Discharges IT INTO a mainline THAT EMPTIES INTO CULVERT #1. BOTH PIPES FROM CULVET #1 and CULVERT #2 are shown HERE ALSO. They BOTH TRAVEL EAST and discharge INTO an OPEN DITCH which TRAVELS NORTH and REJOINS This SYSTEM AT CULVERT #3.

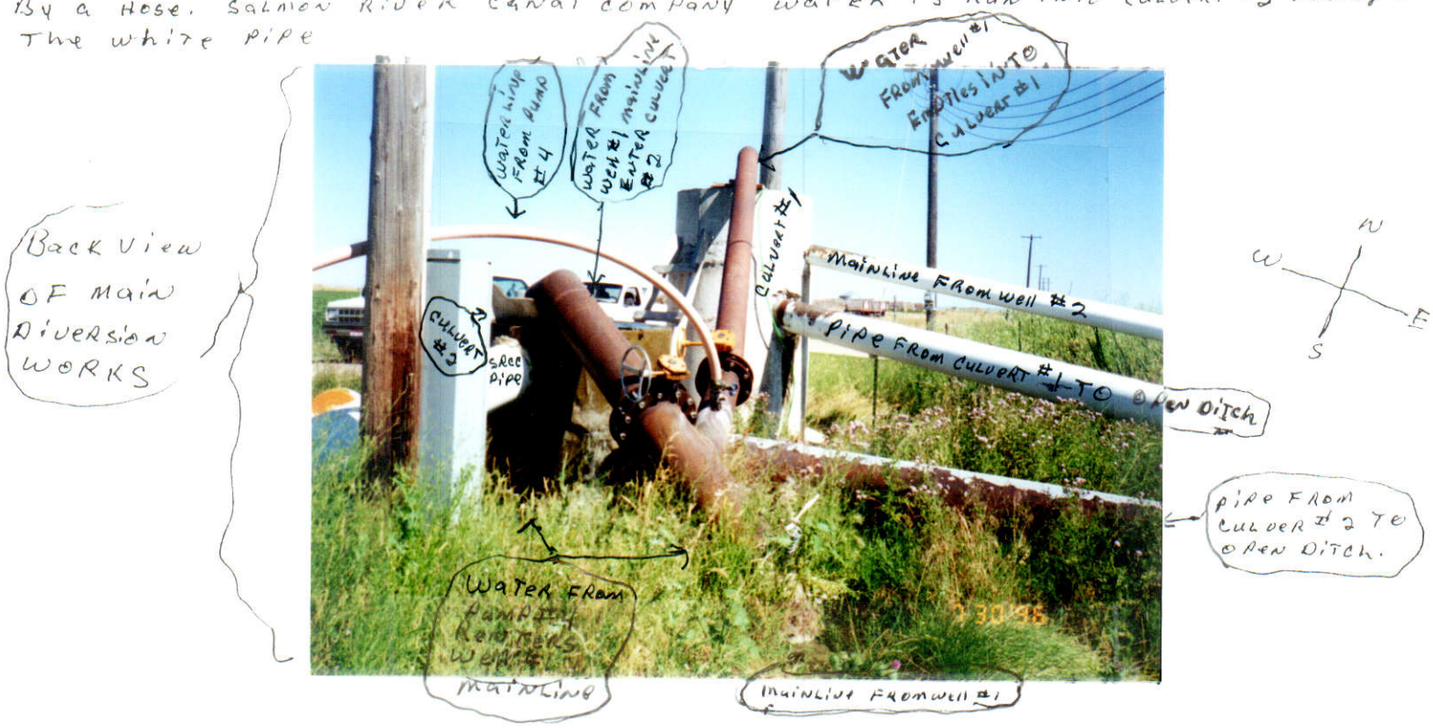
PLease NOTE: ORiginal P is in PERMIT # 47-08012's Field Exam





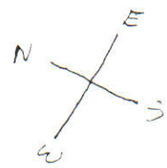
FRONT VIEW OF MAIN DIVERSION WORKS.

WATER IS PUMPED OUT OF CULVERT #1 THROUGH PUMP #3 TO CENTER PIVOT IN THE NE 1/4 OF SECTION 12. PUMP #4 PULLS WATER OUT OF CULVERT #2 AND SENDS IT TO THE SMALL PIVOT IN SECTION 12 OR BACK INTO THE MAINLINE FROM WELL #1 AT 2 SEPERATE POINTS. ONE OF THESE POINTS IS A MAINLINE THAT INJECTS WATER INTO WELL #1'S MAINLINE AND THE OTHER IS A HOSE USED TO INJECT WATER INTO THE PIPE FEEDING CULVERT #1 BY A HOSE. SALMON RIVER CANAL COMPANY WATER IS RUN INTO CULVERT #3 THROUGH THE WHITE PIPE

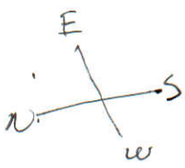


THE MAINLINE FROM WELL #1 COMES INTO THIS DIVERSION WORKS FROM THE SOUTH AND IS INJECTED WITH WATER FROM PUMP #4. THIS MAINLINE THEN BRANCHES INTO 3 PIPES. 1 PIPE GOES INTO CULVERT #2, 1 PIPE GOES INTO CULVERT #1 AND THE 3RD PIPE CONTINUES ON NORTH TO FEED THE PIVOTS LOCATED NORTH OF SECTION 12. PUMP #4 ALSO DISCHARGES WATER INTO THE PIPE DISCHARGING INTO CULVERT #1 BY WAY OF A HOSE. WELL #2 DISCHARGES INTO CULVERT #1. BOTH CULVERTS HAVE PIPES TRAVELING EAST TO IRRIGATE GRAVITY FEED FIELD AND THEN CONTINUES ON TO REJOIN THE SYSTEM AT CULVERT #3 IN SECTION 36.





This pump #3.
Pump #3 pulls water out of culvert #1 and sends it to the pivot in the NE¼ of section #12





This is pump #4

Pump #4 draws water from culvert #2 and can send it in 3 directions. The first direction sends water to a center pivot located in the southern portion of section 12. The second direction draws back east and recenters the mainline from well #1. The third way is through a hose that injects water into a pipe that empties into culvert #1.



This Pump is TO inject air into the water

Mainline TO Pivot located in Section #1

WATER Sent TO Pump #5

Mainline Travels on TO CULVERT # 3

Pump #5

The Mainline FROM Well #1 which Passed Through The main diversion works at CULVERT #1 and CULVERT #2 Travel NORTH until IT Reaches This Point. AT this Point a PORTION OF The water is DRAWN FROM This Mainline INTO Pump #5. Pump #5 Then Sends The water due west TO The center Pivot in section #1. The Remaining water in The Mainline FROM Well # CONTINUES ON TO CULVERT # 3.



CULVERT #3

The mainline from Pump #5 travels through the injection point where water from culvert #3 is injected into the main line



CULVERT #3

This is where the water converges and can be injected into the mainline from Pump #5.



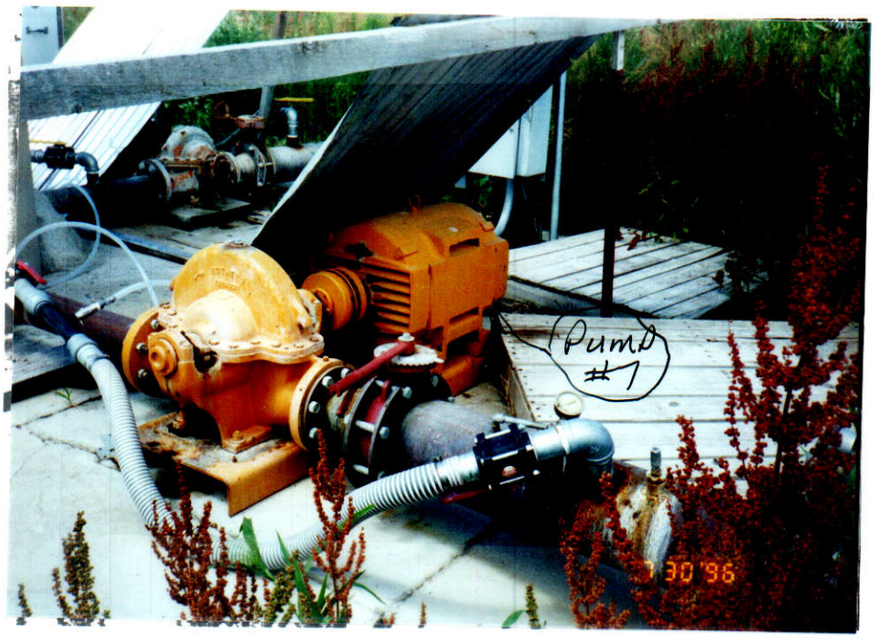
CULVERT #3

The WATER That EMPTIES INTO CULVERT #3 COMES FROM Salmon River Canal Company (SRCC) WATER FROM The POINT OF DIVERSION IN SECTION #7. The SRCC WATER FROM This POINT OF DIVERSION TRAVELS NORTH. THROUGH AN OPEN DITCH (The same DITCH THAT CULVERT #1 and CULVERT #2 Discharge INTO) and IRRIGATES 38 ACRES THROUGH GRAVITY FLOW IN SECTIONS 6 and 7. AFTER These acres The Excess WATER ENTERS a PIPELINE That TRAVELS NORTH-Then NORTHWEST TO CULVERT #3. AT CULVERT #3 The WATER CAN GO 2 ways. The FIRST DIRECTION The WATER can go is TO be INJECTED INTO The mainLINE FROM Pump #5. This MainLine Then TRAVELS NORTH TO The 2 PIVOTS in SECTION 36. The second direction WATER CAN GO FROM CULVERT #3 is TO a NEIGHBORS FARM TO The WEST. This NEIGHBOR HAS The Same POINT OF DIVERSION FOR SRCC WATER.



PUMPS #6 and #7.

WATER FROM THE MAINLINE FROM PUMP #5 (WHICH RUNS PAST CULVERT #3) EMPTIES INTO THIS CULVERT AND IS DRAWN OUT BY PUMPS #6 and #7 WHICH SENDS THE WATER THROUGH MAINLINES TO THE 2 PIVOTS IN SECTION 36. THIS IS THE END OF THE SYSTEM



Pump #7



Pump #6

NAME OF APPLICANT NHAP - #47-7753

Form No

FROM PERMIT: 13S-16E 2"=1M!

18 40 40 17

40

40

40 40

19 20

FROM NHAP: 253-10 (9/12/84) 1"=1M!

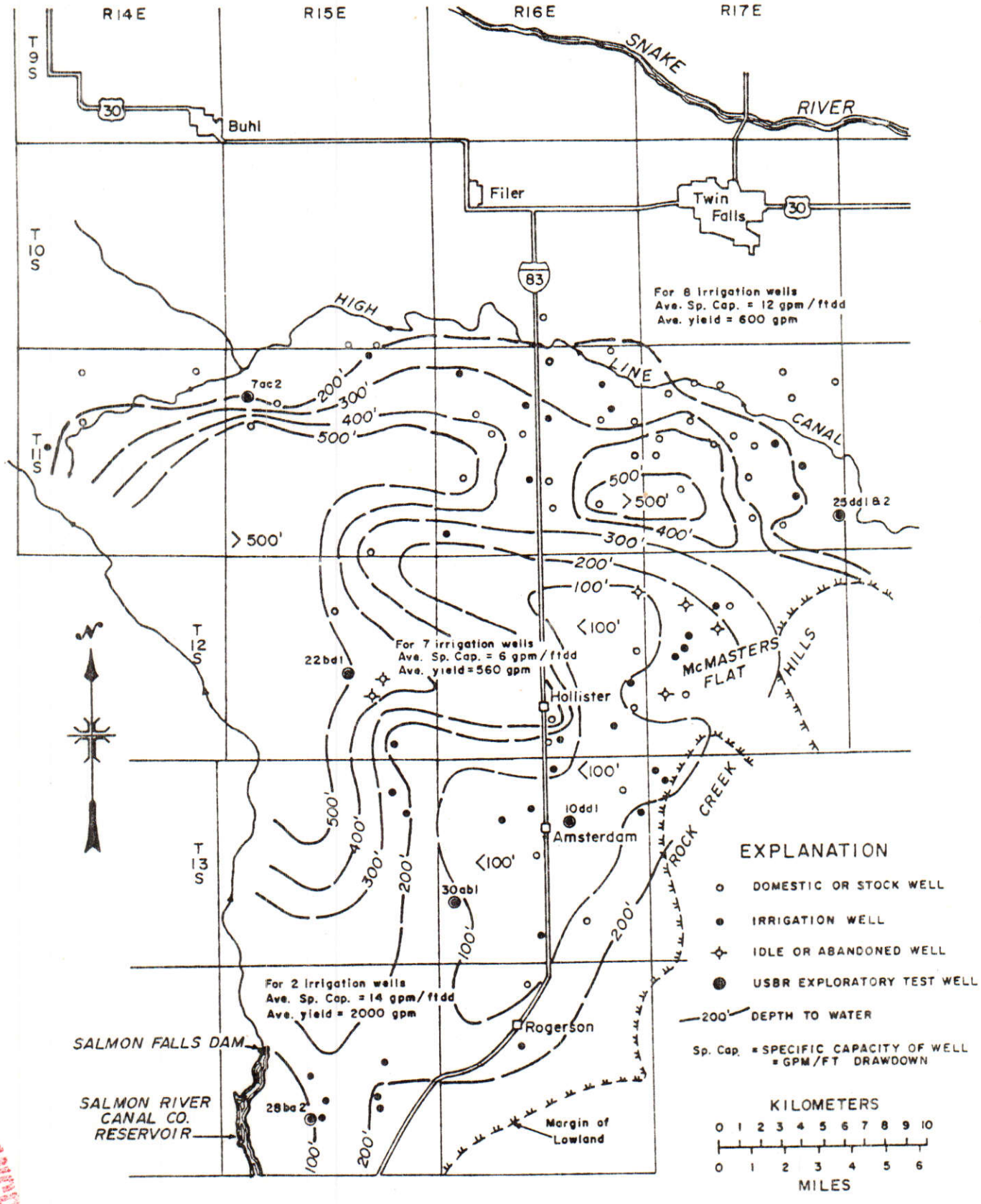
18 17

19 20

29

NHAP SHOWS NO CURRENT IRRIGATION USE ON PERMITTED LANDS; AREA W/IN CIRCLES SHOWS STUBBLE

AUG 09 1990



Revised from U.S. Geological Survey W.S.P. 1879D., 1968

Figure 1 --- Location of selected wells and contours of depth to water table, Salmon Falls Creek Unit Area.

WATER RIGHT SUMMARY

ACTION	RIGHT NO.	NAME	AMOUNT CFS
~~Original Applicatioin~~	~~47-07753~~	~~Loughmiller Farms Inc~~ ~~William Loughmiller~~	~~6.0~~
Full Assignment	47-07753	Lyn Callen Shelley Callen	6.0

AUG 0 9 1996

07/94

For Office Use Only
$25.00 Filing Fee
Receipt # 5019276
Date 6-24-96

RECEIVED
JUN 24 1996
Department of Water Resources
Southern Region

State of Idaho
DEPARTMENT OF WATER RESOURCES

RECEIVED
JUN 26 1996
Department of Water Resources

ASSIGNMENT OF PERMIT

To change the ownership of a permit Shelley

I, William S. Loughmiller (Permit Holder) hereby assign to Lyn and/or Callen

of 2134 E. 2200 N. Twin Falls, ID 83301 (208) 655-4355 (Full Address and Phone Number)

All my right, title, and interest in and to Permit No. 47-07753 to appropriate the public waters of the State of Idaho.

OR (for partial assignments)

The following described portion of my right, title, and interest in and to Permit No. _____ to appropriate the public waters of the State of Idaho.

Describe portion of the permit assigned listing the number of acres in each 40 acre subdivision, point of diversion location, and the amount of water in cubic feet per second.

_____

_____

_____

Made this 24 day of June, 19 96.

William S. Loughmiller
Permit Holder(s)

State of Idaho)
ss
County of Twin Falls

On this 24 day of June, 1996, personally appeared before me the signer of the above instrument, duly acknowledged to me that he/she/they executed the same.

Brooke Cohenour-Kendall
Notary Public

SEAL

Brooke Cohenour-Kendall
Signature

My commission expires: 5-11-01

JUL 09 1996

Form 202
3/78

Ident. No. 47-7753

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

APPROVED

To appropriate the public waters of the State of Idaho

1. Name of applicant Loughmiller Farms Inc. Phone 733-5761

   Post office address Rt. 1 Twin Falls, Idaho 83301

2. Source of water supply groundwater which is a tributary of _____

3. Location of point of diversion is NE ¼ of SE ¼ of Section 18 Township 13S

   Range 16E B.M. Twin FAlls County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

   Amount 6 (cfs or acre-feet per annum) for irrigation purposes from Mar 15 to Nov 15 (both dates inclusive)

   Amount _____ (cfs or acre-feet per annum) for _____ purposes from _____ to _____ (both dates inclusive)

   Amount _____ (cfs or acre-feet per annum) for _____ purposes from _____ to _____ (both dates inclusive)

   Amount _____ (cfs or acre-feet per annum) for _____ purposes from _____ to _____ (both dates inclusive)

5. Total quantity to be appropriated:

   a. 6.0 cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

   a. Description of ditches, flumes, pumps, headgates, etc. well, pump, sprinkler

   b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: _____

      Period of year when water will be diverted to storage _____ (Month/Day) to _____ (Month/Day) inclusive.

   c. Proposed well diameter is 12 inches; proposed depth of well is 1000 feet.

7. Time required for the completion of the works and application of the water to the proposed beneficial use is 5 years *(minimum 1 year – maximum 5 years).*

8. Description of proposed uses:
   a. If water is **not** for irrigation:
      (1) Give the place of use of water: _____ ¼ of _____ ¼ of Section _____ Township _____

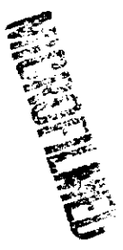
      Range _____ B.M.

      (2) Amount of power to be generated: _____ horsepower under _____ feet of head.

      (3) List number of each kind of livestock to be watered _____

      (4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____.

      (5) If water is to be used for other purposes describe: _____



b. If water is for irrigation, indicate acreage in each subdivision in the tabulation below:

TWP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
13S	16 E	17							40	40	40	40	40						200
		18													40			40	80
		19	40																40
		20						40											40

Total number of acres to be irrigated 360

c. Describe any other water rights used for the same purposes as described above.

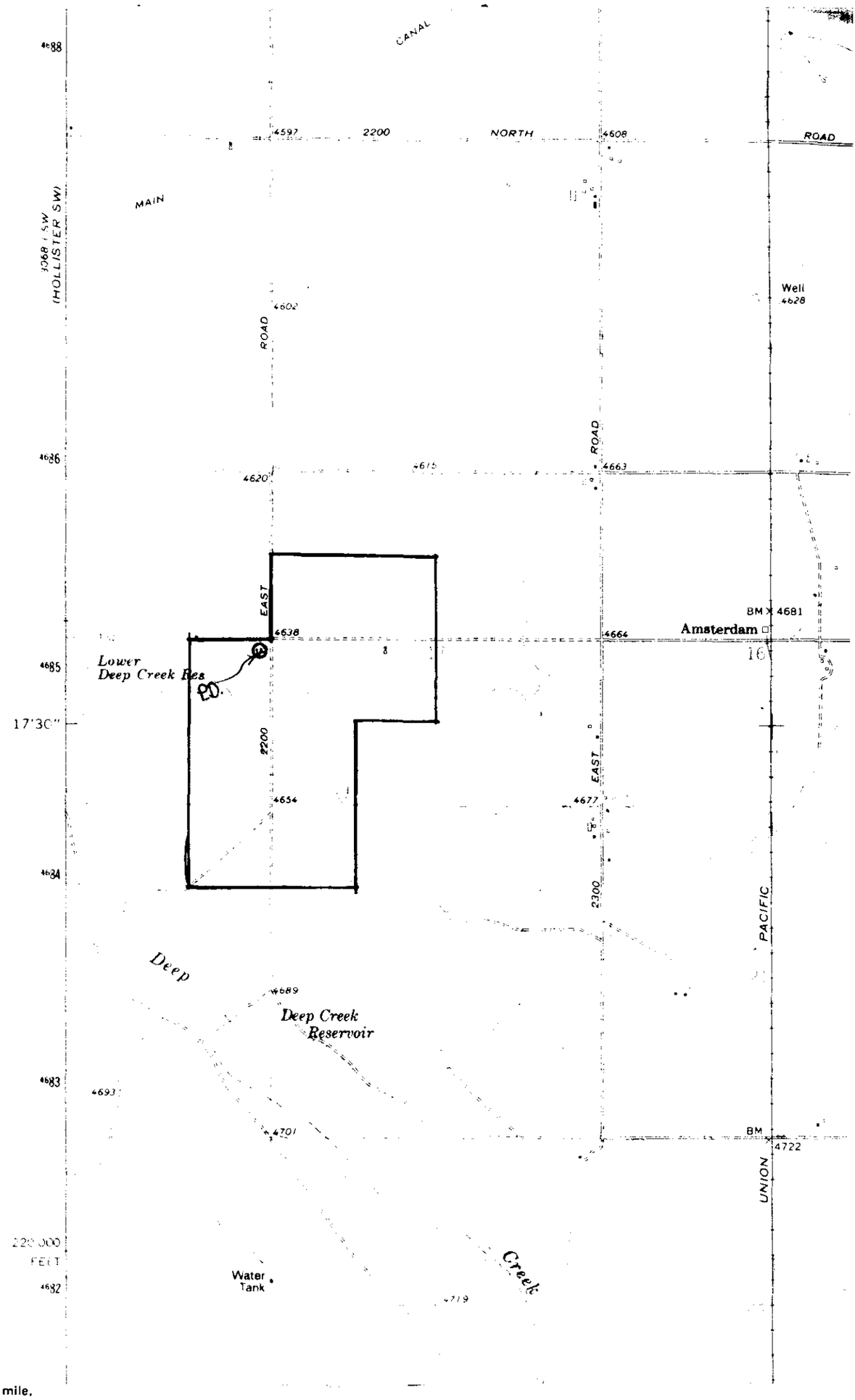
225 shares Salmon Falls Canal water

9. a. Who owns the property at the point of diversion applicant

b. Who owns the land to be irrigated or place of use applicant

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing

10. Remarks



Scale: 2 inches equal 1 mile.

BE IT KNOWN that the undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as herein set forth.

Owner (Applicant)

Request made: 9/15/81

Received by TC Blau Date 9-15-81 Time 9:30 AM

Preliminary check by [illegible] Fee $ 145.00

Receipted by TCB Date 9-15-81 #18760

Publication prepared by maryn Date 9/16/81

Published in times news

Publication dates 9/24 & 10/1/81

Publication approved maryn Date 9/22/81

Protests filed by: None

Copies of protests forwarded by _____

Hearing held by _____ Date _____

Recommended for (approval), denial by ADM RC

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 47-7753, and said application is hereby APPROVED.

1. Approval of said application is subject to the following limitations and conditions:

   a. SUBJECT TO ALL PRIOR WATER RIGHTS.

   b. Proof of construction of works and application of water to beneficial use shall be submitted on or before November1, 19 86.

   c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.

   d. Other: An access port or other device as specified by the Department shall be installed by the permit holder to provide for the installation of measuring equipment and the determination of the rate of diversion by the Department.

Witness my hand this 17th day of November, 1981.

L. Glen Saylor
Chief Operations Bureau

LEGAL NOTICE

NOTICE OF APPLICATION FOR WATER RIGHT

Notice is hereby given that the following application(s) have been submitted for permit to appropriate the public waters of the State of Idaho:

47-7753
LOUGHMILLER FARMS, INC.
RT. 1, TWIN FALLS, ID 83301
Source:
GROUNDWATER
Date Filed: 09/15/1981
Amount: 6.69 CFS
Diversion Point: NESE Sec 18 T 13S R 16E, TWIN FALLS Co.
Use: IRRIGATION 6.69 CFS) from 03/15 to 11/15
Place of Use: SWNW NENW NESW NWSW SWSW Sec 17 T 13S R 16E NESE SESE Sec 18 T 13S R 16E NENE Sec 19 T 13S R 16E NWNW Sec 20 T 13S R 16E FOR 160 ACRES
Diversion Means: WELL, PUMP, SPRINKLER
If issued, the permit(s) will be subject to all prior water rights. Protests against the granting of the permit must be filed with the Director of the Idaho Department of Water Resources, 1301 Lakes Blvd.

Affidavit of Publication

STATE OF IDAHO,)
ss.
COUNTY OF TWIN FALLS)

№ 10717

I, Pamela Renae Ciscu being first duly sworn upon oath, depose and say that I am Bus. Clerk of the TIMES-NEWS, published daily, at Twin Falls, Idaho, and do solemnly swear that a copy of the notice of advertisement, as per clipping attached, was published in the regular and entire issue of said newspaper, and not in any supplement thereof, for 2 consecutive publications, commencing with the issue dated September 24, 19 81, and ending with the issue dated October 1, 19 81.

And I do further certify that said newspaper is a consolidation, effective February 16, 1942, of the Idaho Evening Times, published theretofore daily except Sunday, and the Twin Falls News, published theretofore daily except Monday, both of which newspapers prior to consolidation had been published under said names in said city and county continuously and uninterruptedly during a period of more than twelve consecutive months, and said TIMES-NEWS, since such consolidation, has been published as a daily newspaper except Saturday, until July 31, 1978, at which time said newspaper began daily publication under said name in said city and county continuously and uninterruptedly.

And I further certify that pursuant to Section 60-108 Idaho Code, Thursday of each week has been designated as the day on which legal notice by law or by order of any court of competent jurisdiction within the state of Idaho, to be published weekly, will be published; and that at the head of the editorial column of said combined newspapers, and in each issue thereof, Thursday is announced as the day on which said legal notices will be published.

Pamela Renae Ciscu

Subscribed and sworn to before me on this 2 day of October, 19 81.

Notary Public in and for the County of Twin Falls, State of Idaho, residing at Twin Falls, Idaho

OCT 2 1981
Department of Water Resources
Southern Region

Form 219
6/92

RECEIVED
OCT 11 1996
Department of Water Resources

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 47-07753

1. Owner: Lynn Callen Phone No. (208) 655-4355

   Current Address: 2200 N, 2134 E, Twin Falls, Idaho 83301

2. Accompanied by: Jack McCall (Clear Creek Land & Mortgage) EXAM DATE : 7-30-96

   Address: 501 Gulch Lane, Twin Falls, Idaho 83301 Phone No. (208) 734-6622

   Relationship to Permit Holder: Land Manager

3. Source: GROUNDWATER tributary to N/A

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 47-07718, A47-13645, & 47-08012

2. Other water rights with the same point of diversion: 47-08012

C. DIVERSION AND DELIVERY SYSTEM

1. **Point(s) of Diversion:**

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
WELL #1		NE	NE	SE	18	13S	16E	TWIN FALLS	Visual inspection and ASCS photos.

2. **Place(s) of Use:** Indicate Method of Determination ASCS photos, visual and planimeter

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
12S	15E	36	33	33	33	33	33	33	33	33									264 AC
13S	15E	1	16	12	38	38									15	13			133 AC
13S	15E	12	33 LOT 1	33 LOT 2	33	33					16			28		8	18		202 AC
13S	16E	6										2 LOT 6	17 LOT 7						19 AC
13S	16E	7					6	13											19 AC

This permit is for 297 acres within the permissible place of use of 636 acres.

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.

SEE ATTACHED SHEET.

YES Copy of U.S.G.S. Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required).
YES Aerial Photo attached (required for irrigation of 10 acres or more).
YES Photo of diversion and system attached.

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
WELL #1	US MOTORS	125 Hp	1146374	PEERLESS	189330
WELL #2	GENERAL ELECTRIC	100 Hp	DTJ408368	AURORA	UNKNOWN
PUMP #3	WESTING-HOUSE	50 Hp	CATALOG # 0550H4TBF C-SKB	AURORA	81-02981-3
PUMP #4	US ELECTRIC	50 Hp	H006301R3 10R047M	AURORA	8-14873-1
PUMP #5	BALDOR	20 Hp	39D101W2 35	PEERLESS	9256242
PUMP #6	UNKNOWN	UNKNOWN	UNKNOWN	AURORA	78-12073-1
PUMP #7	US MOTORS	60 Hp	R-9420-03-0157	AURORA	85-06700-1

**Code to correspond with No. on map and aerial photo*

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Polysonic Portable Flowmeter	Tyme Flyte	149744	TF*P	N7H5506		April 1996

2. **Measurements:** See attached sheet.

E. NARRATIVE/REMARKS/COMMENTS

The water for this permit is drawn from well #1 located in the NE 1/4 - NE 1/4 - SE 1/4 of section 18 - township 13S - range 16E. The water is drawn out of this well by a 125 Hp pump and discharged into a mainline. This mainline travels northwest for approximately 1 1/2 miles where it crosses the Salmon River Canal Company (SRCC) canal and then travels due north to main diversion works at well #2. At this diversion works the water can be distributed any of three ways. The first place the water from well #1 can go is to empty into one of two culverts. From culvert #1 the water can be pumped from pump #3 to a center pivot located in the NE 1/4 of section 12 or it can be sent through a pipe to an open ditch located 1/4 mile due west of the culvert. The second place that water from well #1 can go is in the second culvert on this sight. From culvert #2 the water can be pumped through pump #4 which sends water through a mainline to a 70 acre center pivot located in the middle of the southern half of section 12. This pump can also send water back into the mainline from well #1 to repressurize it. Culvert #2 can also send water to the open ditch located 1/4 mile due west of this main diversion point. The water from well #1 commingles with water from well #2 and SRCC canal shares. Well #2 is located approximately 20 feet due west of the culverts and empties into culvert #1. Well #2 discharges 912 gpm (which is 2.03 cfs) into the system (see attached reading sheet for measurements). SRCC water comes from the point where the mainline from well #1 crosses the canal and runs parallel to this mainline and empties into culvert #2. The third place that the mainline from well #1 goes at this main diversion point is due north.

The mainline travels through the main diversion point and travels approximately 3/4 of mile to pump #5. At pump #5 the water splits into two directions. The first direction is due west where it feeds a 132 acre center pivot. The second direction this mainline goes after pump #5 is due north for approximately 1/8 of a mile then angles to the northeast to culvert #3. Culvert #3 is used to recharge the mainline from pump #5 with water. The water used to recharge the system comes from a pipe line that is connected to the point of diversion for SRCC water in section 7. The point of diversion for this line is diverted out of the SRCC canal in section 7 and runs due north in an open ditch for a approximately 1/2 mile. Water from culverts #1 and #2 both empty into this ditch. The water in this ditch is used to irrigate a 38 acres located on the border of section 6 and section 7. At the end of this ditch the water enters a pipe and travels due north for approximately 3/4 of a mile then turns northwest and enters culvert #3. The water from culvert #3 is either mingled with the water in the mainline from pump #5 or is transported

to the west to another farm that shares the same point of diversion for the SRCC canal water out of section 7. From culvert #3 the mainline from pump[A #5 travels northwest for a 1/8 mile and enters into pump #6 and pump #7. These pumps are used to repressurize the system for the two pivots located in the northern 1/2 of section 36.

PLEASE NOTE:

The water for this permit was originally intended for two center pivots located in the western 1/2 of the SE 1/4 of section 18 and all of the lands located in section 17, section 19, and section 20. These acres have been in CRP for the last few years and it is the intention of Mr. Callen to pull the water off of these lands and use it in the above system (please see attached map for location of acres). This will allow Mr. Callen to use this water on 265 acres within the permissible place of use. It is obvious that the this system was operating prior to the ground being put into CRP. Mr. Callen purchased this permit to transfer it to the other ground in which his pivots where located.

Originally this water was pumped from well #1 and diverted into pond number 1. From the pond the water was used in two ways. The first way the water was diverted was through two pumps (these two pumps are no longer on the property). The first pump sent water due west to the center pivot located in the SW 1/4 of section 17. The second pump diverted into a mainline that traveled south 1/4 of a mile and then formed a T with the leg of the T going due east to irrigate the corners of the center pivot located in section 17. The other leg of the T continues on south to irrigate the center pivot located in the corner of sections 17 - 18 - 19 - 20. A pipe could also be taken off this mainline at the pumps and carry water west to empty into an open ditch that irrigated the field in the NE 1/4 - SE 1/4 of section 18. The excess water from this process entered an open ditch which travels west and empties into Deep Creek as waste water.

The second way this water was diverted was into pond #2 through a headgate and pipe. At pond #2 the water was diverted through a pump (this pump is no longer on the property) to a mainline that fed the center pivot in the NE 1/4 of section 18. From this pivot the mainline continued on north to the Center pivot located in the SE 1/4 of section 7. Pond #2 also gets water from Salmon River Canal Company (SRCC). The SRCC water comes from a ditch located at the northeast corner of section 18. The water is then transported south by a ditch to pond #2. The SRCC water could be transported back and forth depending on the levels of pond #1 and pond #2.

This description of the original irrigation system was told to me by Lyn Callen, the new

owner of this farm. Mr. Callen purchased this farm while it was in CRP and after the center pivots and mainlines had been removed. I had to rely on the information given to me by Mr. Callen as a true depiction of this system when proof of beneficial use was filed. All of the ditches and motor pads were there to confirm what he told me. The ASCS office also confirmed that there were four center pivots and one main field on this ground before it was put into CRP. Therefore, I have no reason to believe that this system was set up any other way than what is described above.

Have conditions of permit approval been met? _X_ yes ___ no

DESCRIPTION OF ACRES BEING PULLED OUT OF PRODUCTION:

TWP.	RGE.	SEC.	1/4	1/4	ACRES
13S	16E	17	SW	NW	38
13S	16E	17	SE	NW	33
13S	16E	17	NE	SW	40
13S	16E	17	NW	SW	39
13S	16E	17	SW	SW	37
13S	16E	18	SE	NE	1
13S	16E	18	NE	SE	30
13S	16E	18	SE	SE	37
13S	16E	19	NE	NE	20.5
13S	16E	20	NW	NW	21.5

TOTAL ACRES 297 acres

F. FLOW CALCULATIONS _____ Additional Computation Sheets Attached

Measured Method:

Polysonic - 1666 gpm / 448.8 = 3.71 cfs (please see attached reading sheet)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = 297 ac X 4.0 = 1188 afa

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = 1.97 X 214 X 1.9835 = 836 afa

V = Smaller of $V_{I.R.}$ and $V_{D.R.}$ = 836 afa

B

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
IRRIGATION	APRIL 01	OCT. 31	1.97 cfs	836 afa
		Totals:	1.97 cfs	836 afa

2. Recommended Amendments

__ Change P.D. as reflected above __ Add P.D. as reflected above __ None

__ Change P.U. as reflected above X Add P.U. as reflected above __ Other

I. AUTHENTICATION

Field Examiner's Name _____ Date _____

Reviewer _____ Date _____ SEAL

RECOMMENDATIONS:

I recommend that this permit be licensed under the following conditions:

1. That this permit be licensed for 1.97 cfs. This permit and permit number 47-08012 both use the same well therefore the cfs should be split between the two permits. 3.71 / 561 (total acres for both permits) X 297 (acres for this permit) = 1.97 cfs for this permit.

2. That this right when combined with permit # 47-08012 does not exceed a total diversion rate from this well of 3.71 cfs.

3. That when combined with all other rights, including all Salmon River Canal Co. Shares, that this right does not exceed .02 cfs/acre on any of the lands being irrigated.

4. That this right be used as supplemental water to SRCC canal shares.

5. That the center pivot in section 17 and the center pivot on the corner of sections 17, 18, 19 and 20 in township 13S - range 16E and a small pasture and four corners of the above mentioned center pivots will be dried up and not irrigated out of this point of diversion without the owner acquiring a new water right for those lands (please see attached map for pivot locations).

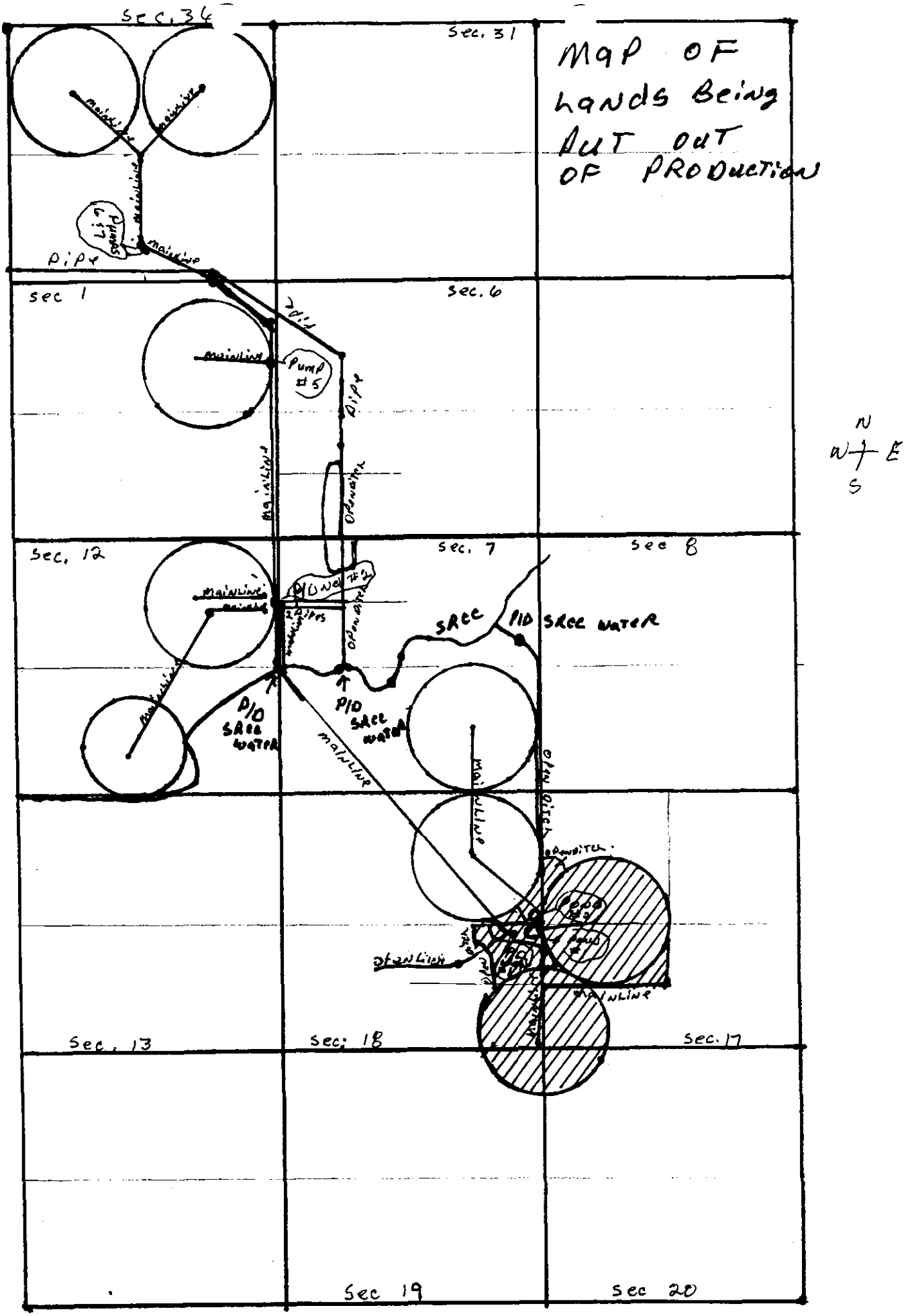
5. That the stock water portion claimed by the proof of beneficial use form be denied due to the fact that stock water was not a part of the permit and was not filed for until the proof of beneficial use was filed.

PLEASE NOTE:

The land on which the water is being transferred is a family owned farm. Lynn Callen is the person whom purchased the land and water right for this permit and then amended the permit to the family farm. The family farm is farmed by Lynn Callen but is officially owned by his father D. R. Callen.

D.R. Callen address is:

D. R. Callen
Route 1, Box 4555
Twin Falls, Idaho
83301
phone number - (208) 655-4273


Sec. 36
Sec. 31
MAP OF
LANDS BEING
PUT OUT
OF PRODUCTION
mainline
Pump #7
pipe
sec 1
sec. 6
Pump #5
pipe
mainline
Sec. 12
sec. 7
see 8
mainline
Pump #4
SRCC
PID SRCC WATER
P/O SRCC WATER
P/O SRCC WATER
mainline
mainline
mainline
Sec. 13
sec. 18
Sec. 17
Sec 19
sec 20
N
W
E
S

POLYSONIC READINGS

PERMIT #: 47-07753

WELL #1

FIRST SET OF INFORMATION:

SET-UP IMPUTE DATA USED DURING
PREPARATION FOR FLOW MEASUREMENTS.

SECOND SET OF INFORMATION:

THESE ARE THE READINGS TAKEN FOR
THE WELL

FLOWS IN GALLONS PER MINUTE (GPM)

THE AVERAGE IS 1666 gpm

```
10:06+  1.683E 3GPM  00R
      +00000 *10 G   00R
      -00000 *10 G   00R

10:07+  1.660E 3GPM  00R
      +00165 *10 G   00R
      -00000 *10 G   00R

10:08+  1.619E 3GPM  00R
      +00334 *10 G   00R
      -00000 *10 G   00R

10:09+  1.714E 3GPM  00R
      +00500 *10 G   00R
      -00000 *10 G   00R

10:10+  1.694E 3GPM  00R
      +00666 *10 G   00R
      -00000 *10 G   00R

10:11+  1.556E 3GPM  00R
      +00831 *10 G   00R
      -00000 *10 G   00R

10:12+  1.627E 3GPM  00R
      +00998 *10 G   00R
      -00000 *10 G   00R

10:13+  1.525E 3GPM  00R
      +01163 *10 G   00H
      -00000 *10 G   00H

10:14+  1.694E 3GPM  00H
      +01333 *10 G   00R
      -00000 *10 G   00R

10:15+  1.689E 3GPM  00R
      +01499 *10 G   00R
      -00000 *10 G   00R

10:16+  1.580E 3GPM  00R
      +01666 *10 G   00R
      -00000 *10 G   00R
```

avc →

```
MODE SELECT
        INPUT

OUTER DIAMETER
10.960    IN

PIPE MATERIAL
?         CS,SS

WALL THICKNESS
0.1560    IN

INNER LINING
?         NO LING.

KIND OF FLUID
?         WATER

SENSOR MOUNTING
?         U

TYPE OF SENSOR
?         SMALL

SPACING
8.537     IN U

ZERO MODE
        CLEAR

ZERO MODE
        AUT ZERO

07-30 09:5300 *R
+002.30 %  AI2

MODE SELECT
        T0 CHECK

0389.6   MMSEC
098.85   % T0
```

POLYSONIC READINGS

PERMIT #: 47-07753

WELL #2

FIRST SET OF INFORMATION:

SET-UP IMPUTE DATA USED DURING
PREPARATION FOR FLOW MEASUREMENTS.

1ST set of Information

SECOND SET OF INFORMATION:

THESE ARE THE READINGS TAKEN FOR
THE WELL

FLOWS IN GALLONS PER MINUTE (GPM)

THE AVERAGE IS 912 gpm

PLEASE NOTE:

This well is not associated with permit
it is measured for reference purposes only!

```
MODE SELECT
      INPUT  U

OUTER DIAMETER
08.1000  IN

OUTER DIAMETER
8.100000 IN

PIPE MATERIAL
?       CS,SS

WALL THICKNESS
0.1060   IN

INNER LINING
?       NO LING.

KIND OF FLUID
?       WATER

SENSOR MOUNTING
?       U

TYPE OF SENSOR
?       SMALL

DATA CHANGE
?       NO

SPACING
5.881    IN U

ZERO MODE
        CLEAR

ZERO MODE
        AUT ZERO
```

2nd set of 1 Information

```
11:50-839.010E 0GPM   00R
      +00000 *10 G    00R
       -00000 *10 G    00
      -00000 *10 G    00R

11:51-844.822E 0GPM   00R
      +00000 *10 G    00R
      -00163 *10 G    00R

11:52-845.350E 0GPM   00R
      +00000 *10 G    00R
      -00247 *10 G    00R

11:53-853.804E 0GPM   00R
      +00000 *10 G    00R
      -00331 *10 G    00R

11:54-816.820E 0GPM   [illegible]
      +00000 *10 G    00R
      -00415 *10 G    00R

11:55-839.010E 0GPM   00R
      +00000 *10 G    00R
      -00498 *10 G    00R

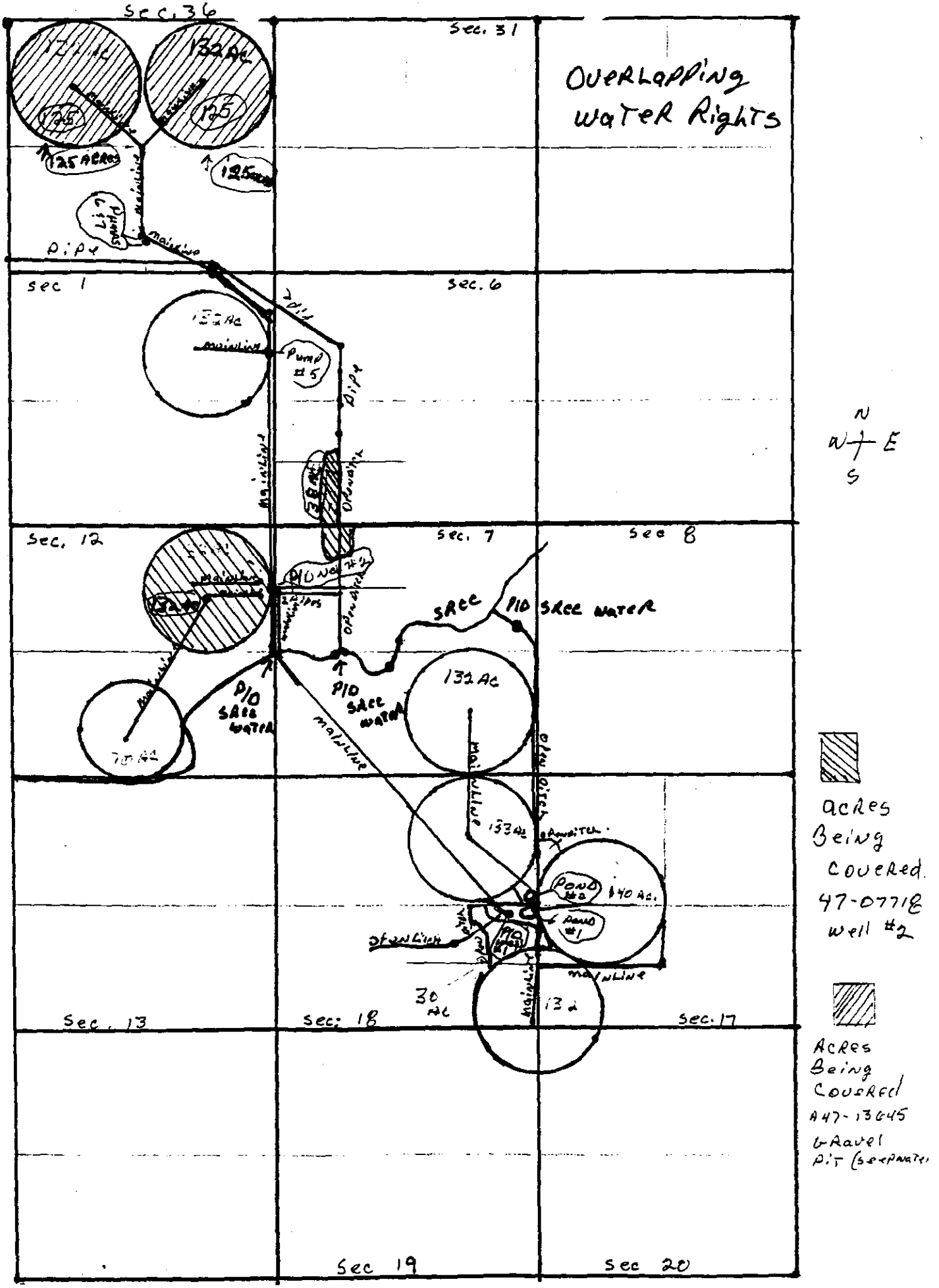
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      -00581 *10 G    00R

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      -00664 *10 G    00R

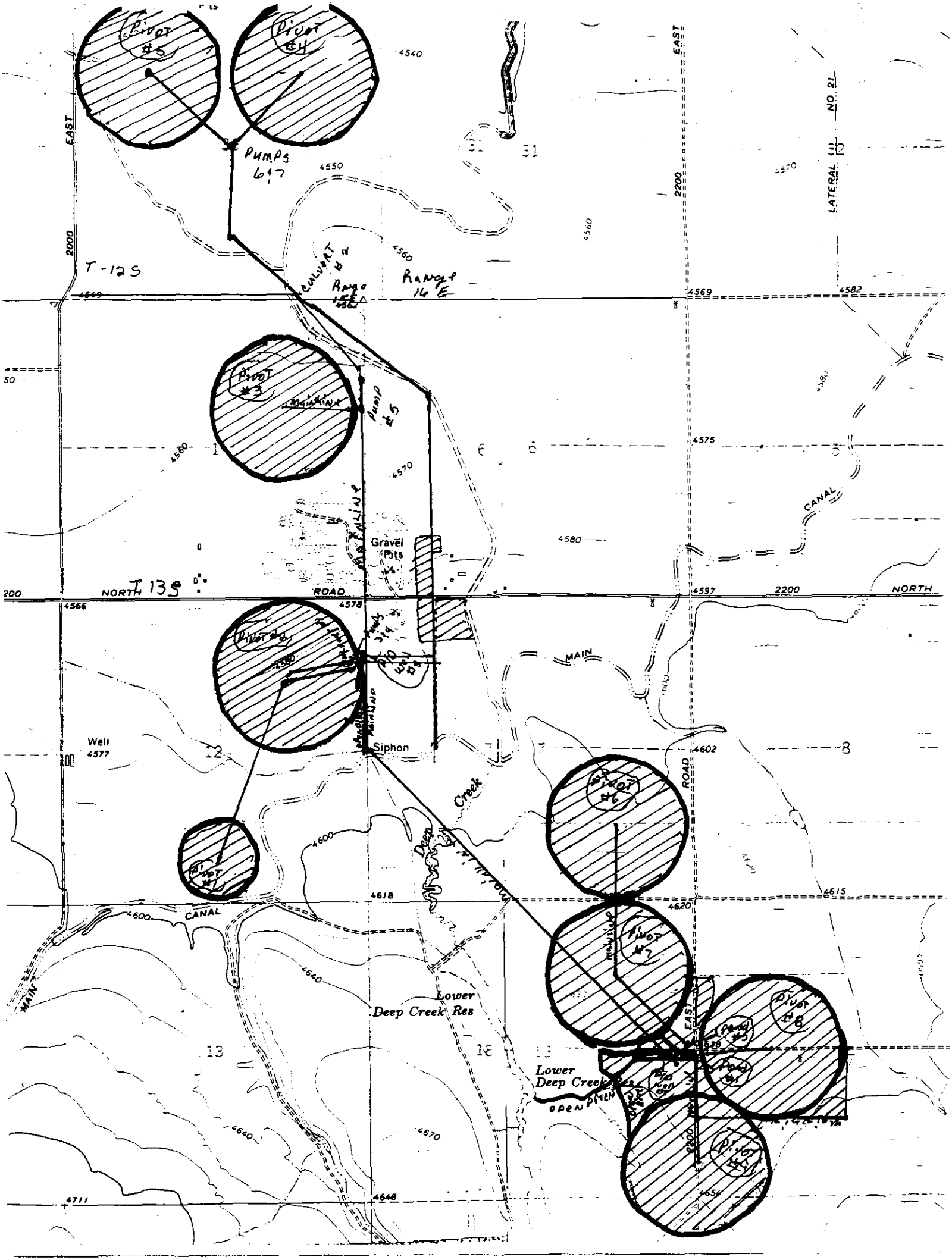
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      -00746 *10 G    00R

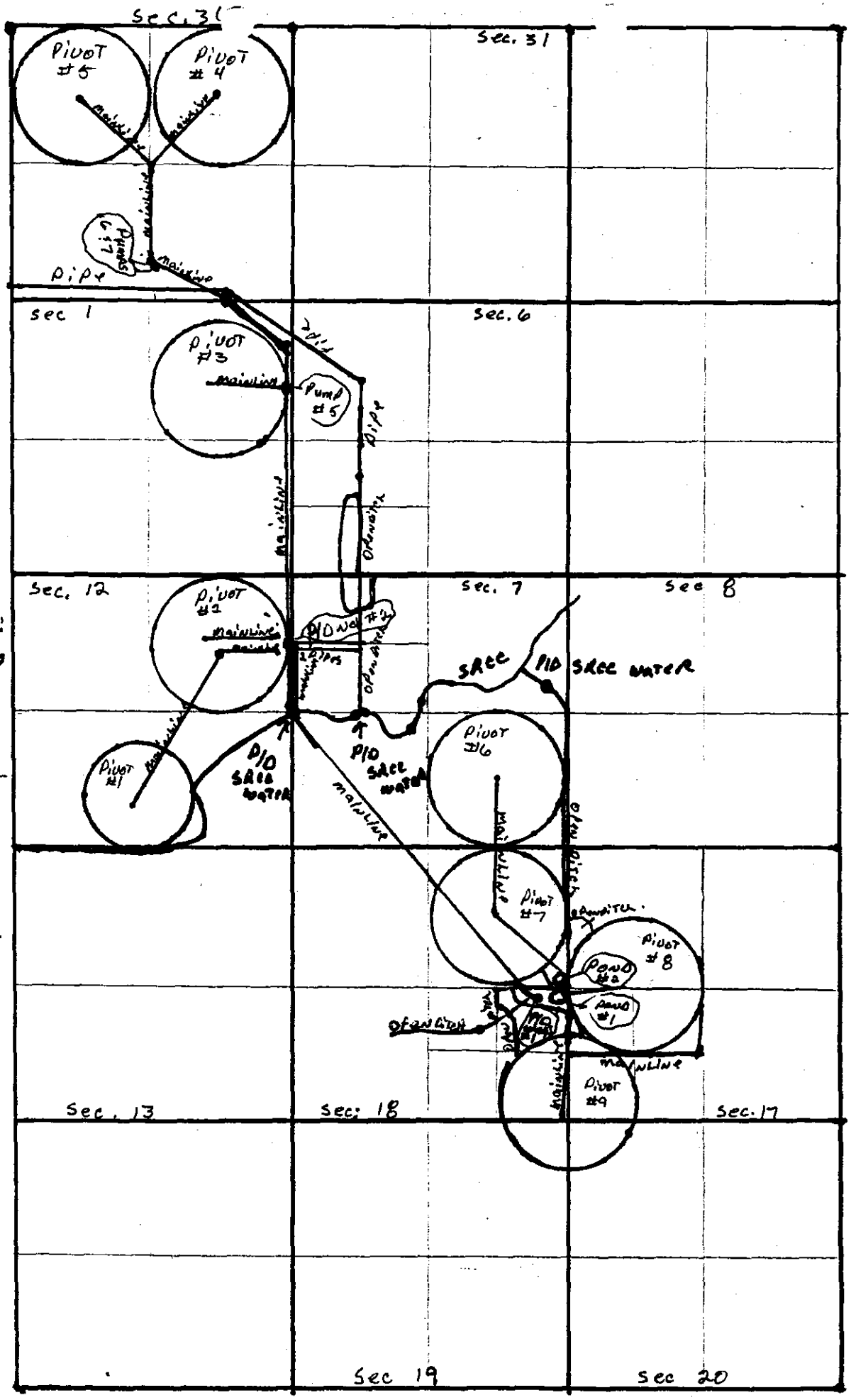
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      +00000 *10 G    00R
      -00829 *10 G    00R

12:00-853.804E 0GPM   00R
      +00000 *10 G    00R
      -00912 *10 G    00R
```



OVERLAPPING WATER RIGHTS.


Pivot #5
Pivot #4
Pumps 6 & 7
EAST
2000
T-12 S
Range 15 E
Range 16 E
CULVERT
LATERAL NO 21
2200
Pivot #3
Pump #5
Gravel Pits
CANAL
NORTH
ROAD
T 13 S
Pivot #2
Pump #4
MAIN
Well
Siphon
Creek
Deep
Pivot #6
Pivot #1
Pivot #7
Lower
Deep Creek Res
Pivot #8
Pump #3
Pump #2
Pump #1
Lower
Deep Creek Res
open pitch
Pivot #9



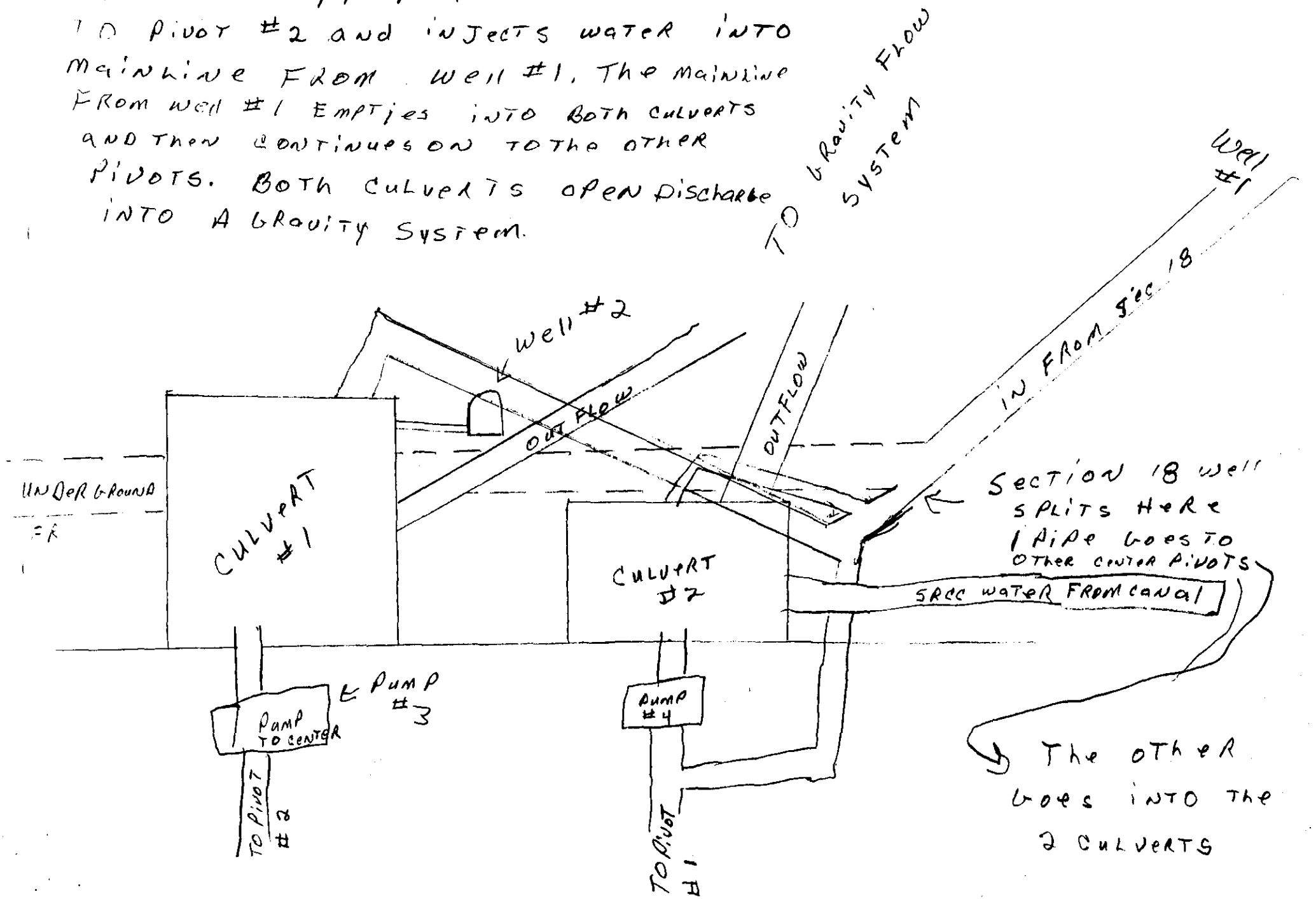
N
W E
S

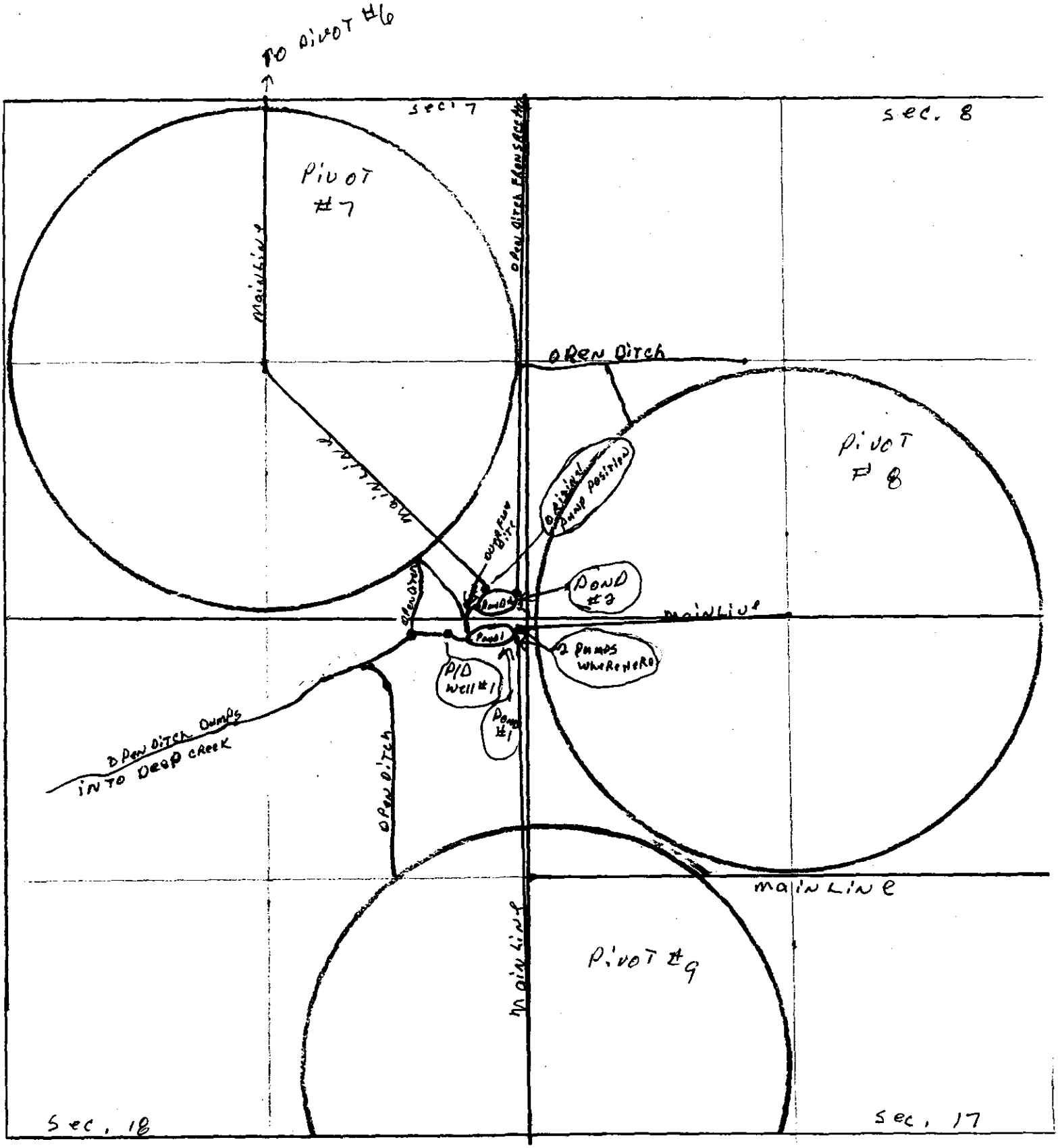
Please note:
See cutout of well #1, Pond #1 and Pond #2

And cutout of well #2 and the diversion system

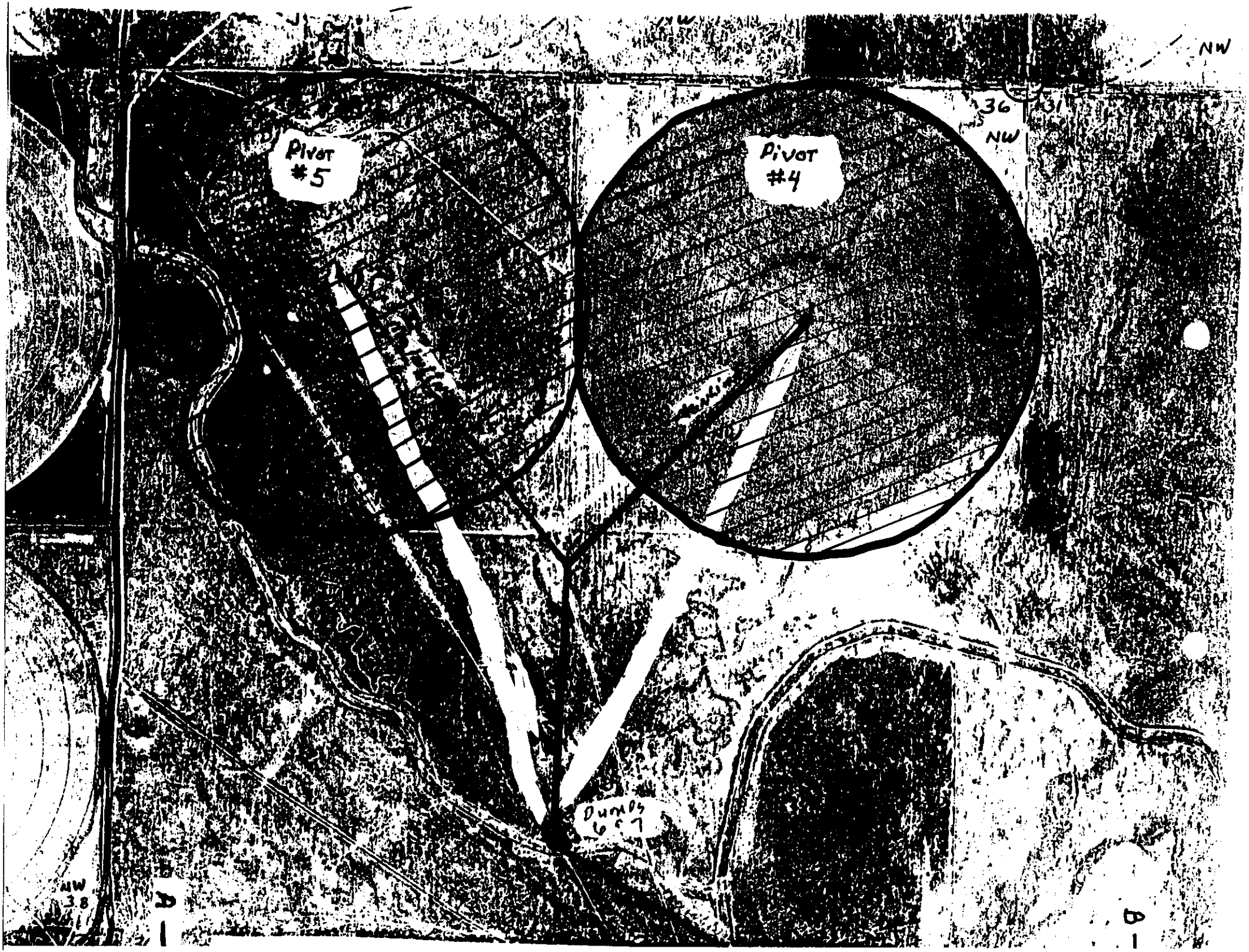
SRCC WATER ENTERS CULVERT #2 and is DRAWN OUT BY PUMP #4 THAT SENDS WATER TO PIVOT #2 and INJECTS WATER INTO MAINLINE FROM WELL #1. The MAINLINE FROM WELL #1 EMPTIES INTO BOTH CULVERTS AND THEN CONTINUES ON TO the OTHER PIVOTS. BOTH CULVERTS OPEN DISCHARGE INTO A GRAVITY SYSTEM.

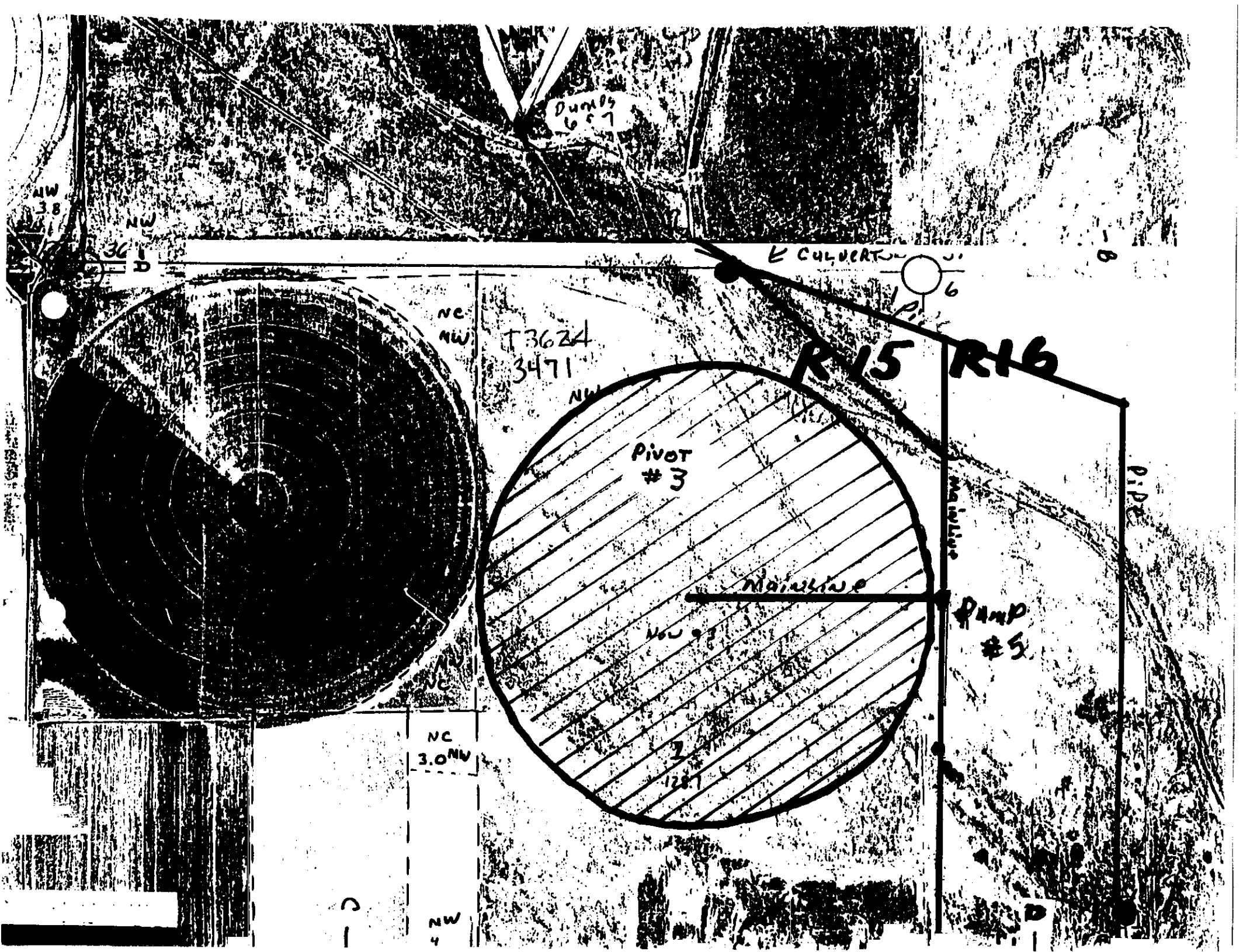
CUT OUT OF WELL #2

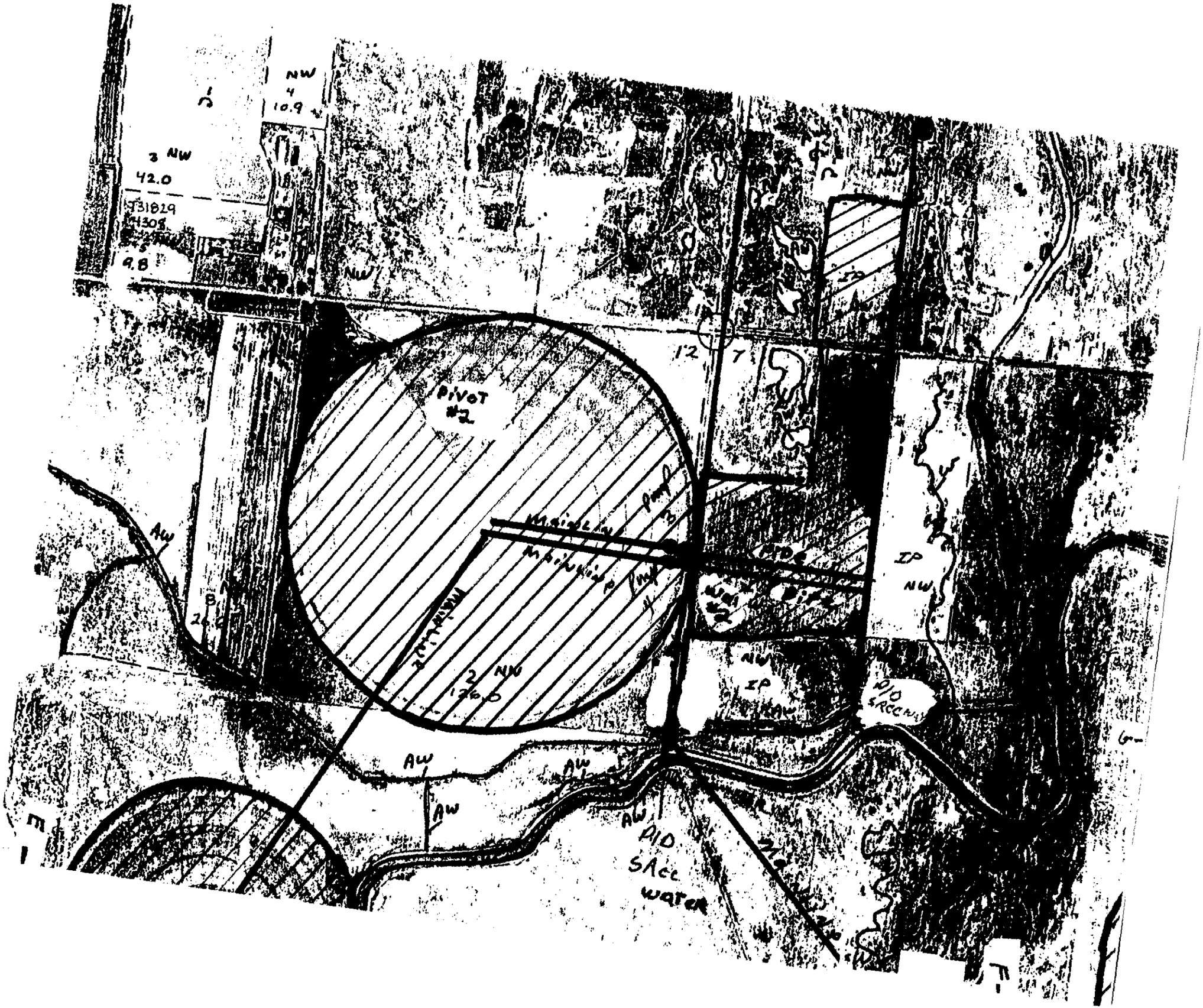


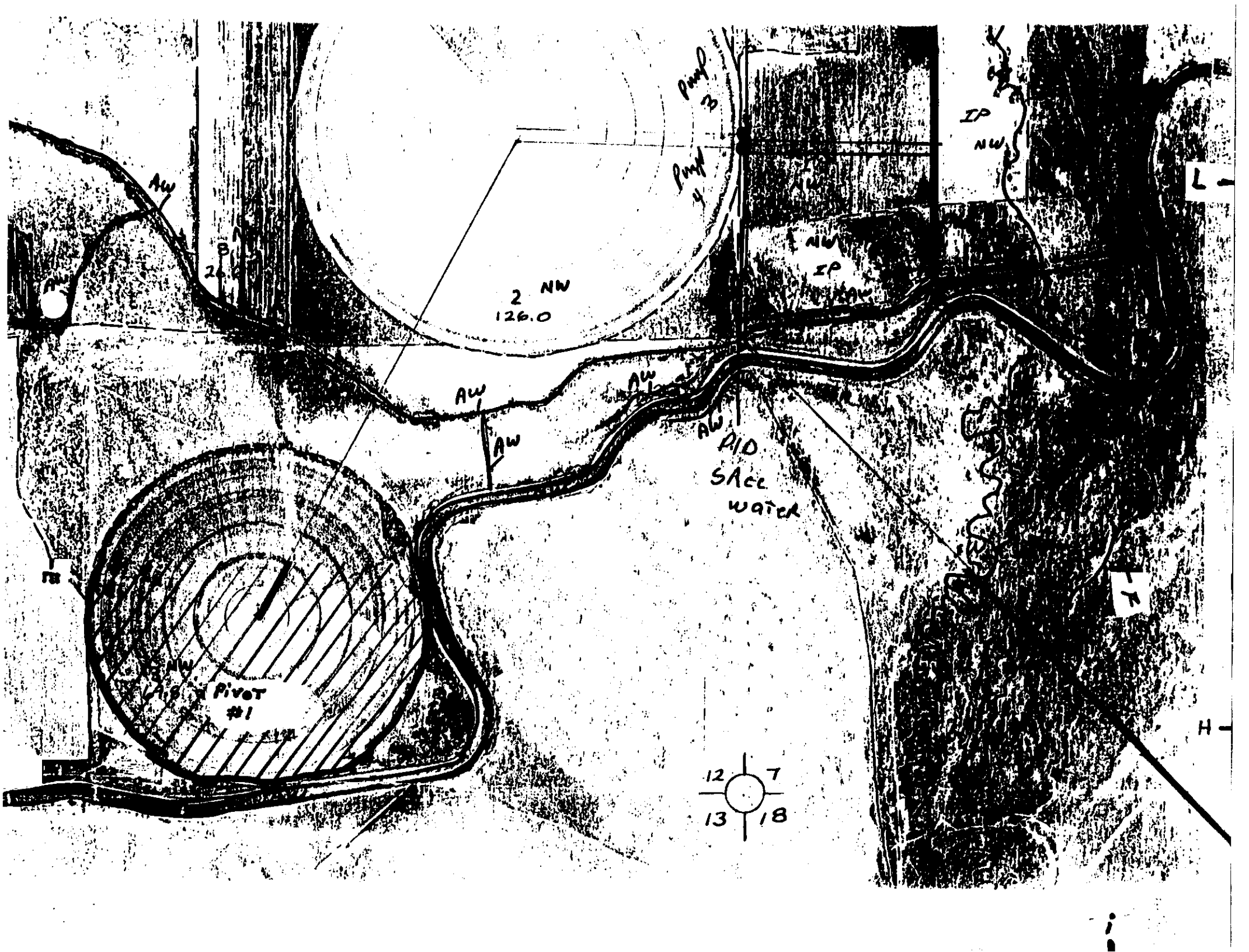


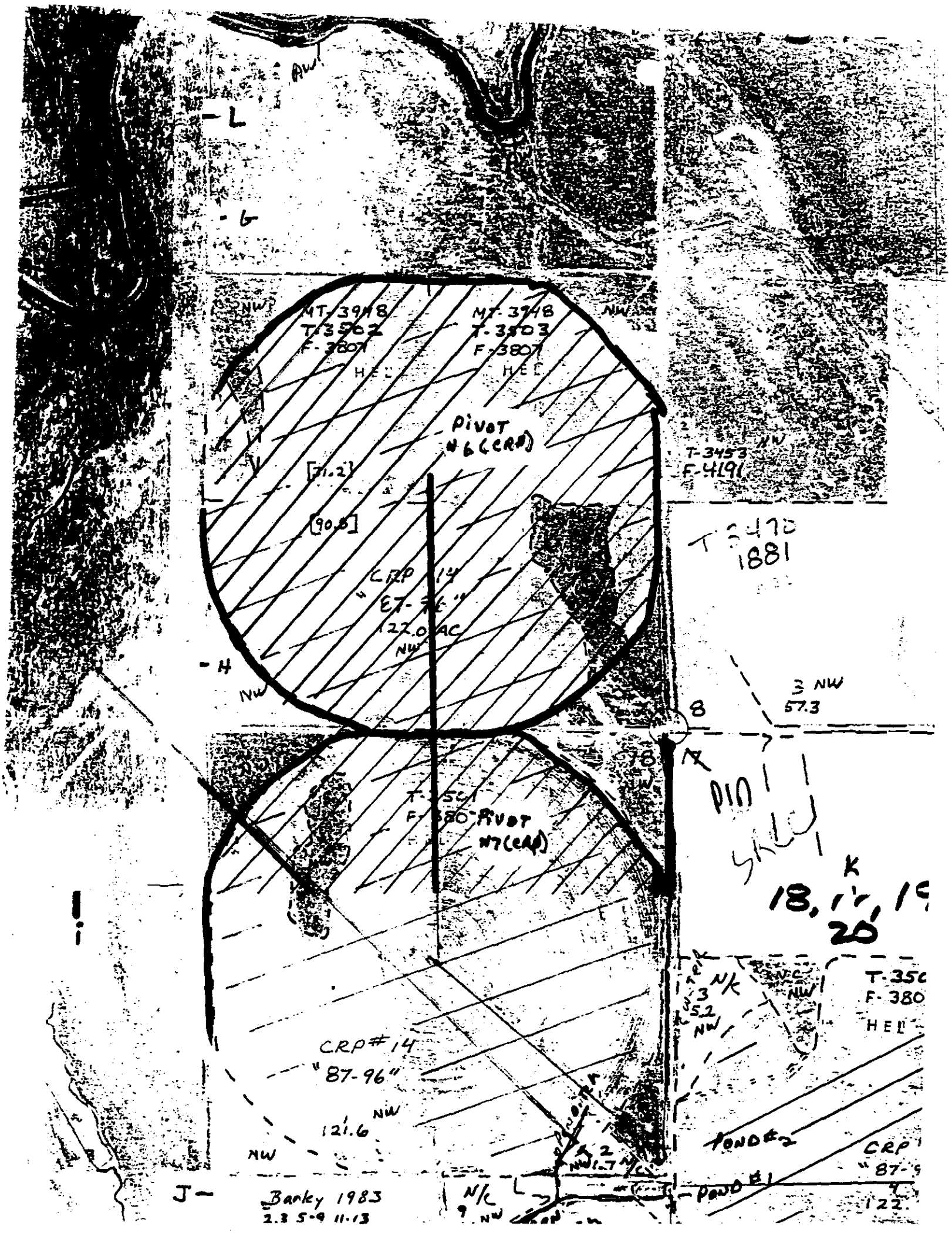
CUT OUT FOR WELL #1 AND DIVERSION WORKS

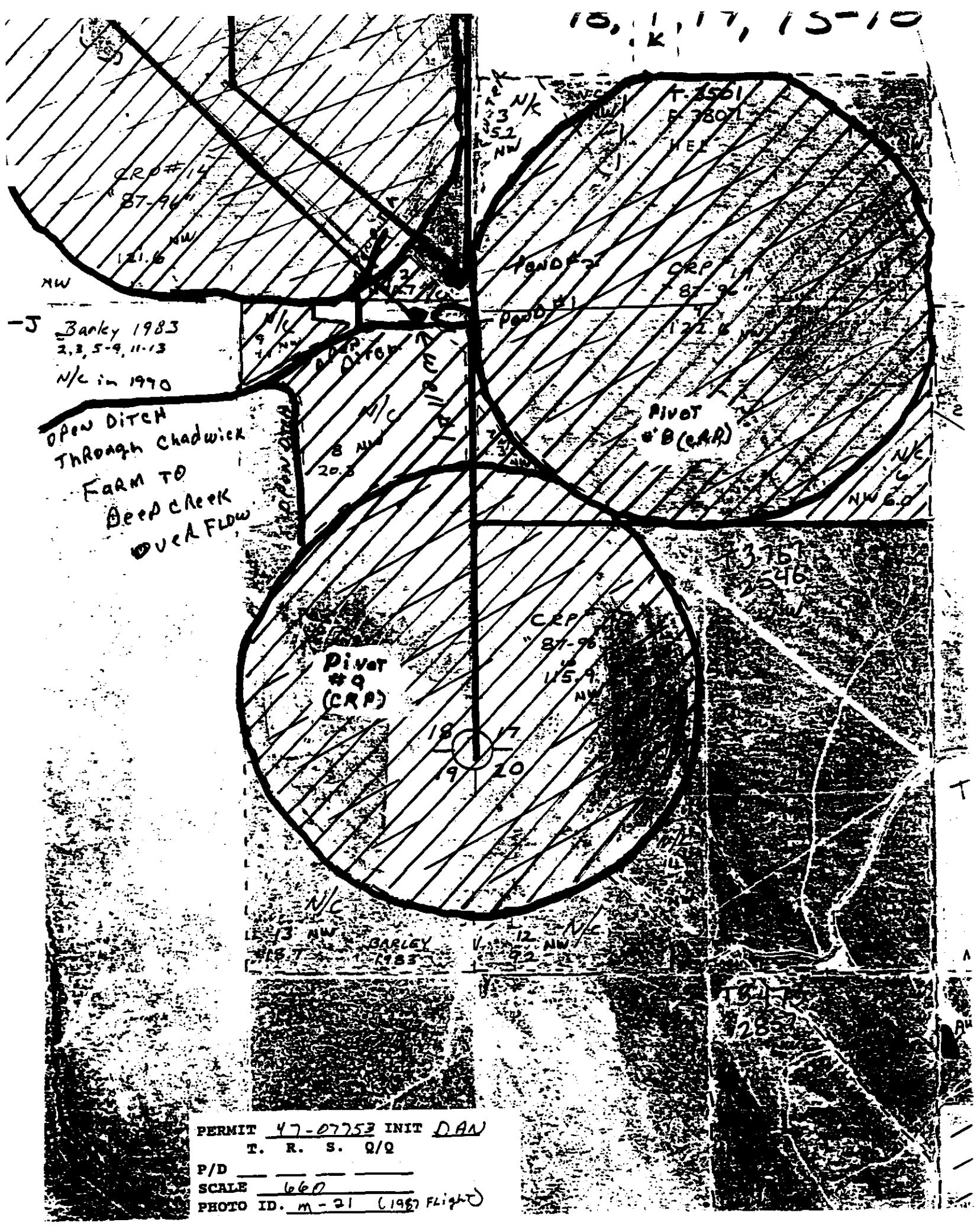

Pivot #5
Pivot #4
NW
36
31
NW
Dumps
6 C 7
NW
38
A
1
B
1

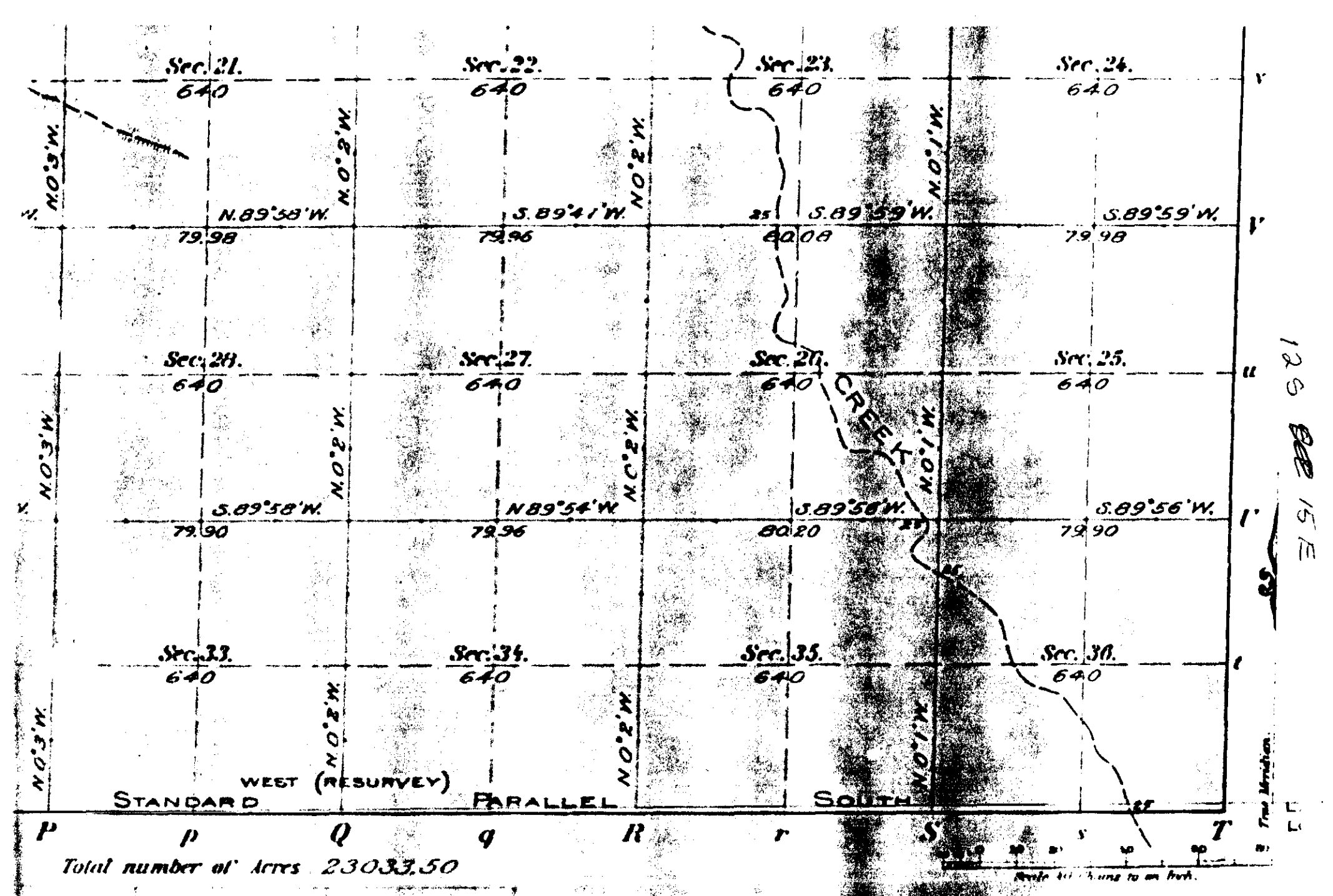

Dumps
NW
3.8
NW
36
D
NC
NW
T3624
3471
NW
Pivot
#3
NW
NC
NC
3.0 NW
NW
4
C
CULVERT
6
R15
R16
Mainline
Mainline
Pump
#5
Pipe
D


NW
4
10.9
3 NW
42.0
T31B29
H1308
9.8
12
7
PIVOT
#2
AW
IP
NW
AW
AW
AW
AW
PID
SAcc
water


Pump 3
Pump 4
AW
2 NW
126.0
IP
NW
L
AW
AW
AW
AW
PID
SACC
WATER
K
NW
PIVOT
#1
H
12
7
13
18


MT-3918
T-3502
F-3807
HEL
MT-3918
T-3503
F-3807
HEL
PIVOT
N6 (CRP)
[71.2]
[90.6]
CRP #14
"87-96"
127.0 AC
NW
T-3453
F-4191
NW
T-3502
1881
3 NW
57.3
8
PIVOT
N7 (CRP)
CRP#14
"87-96"
121.6
NW
POND #2
POND #1
CRP
"87-
122.
Banky 1983
2.3 5-9 11-13
N/k
T-350
F-380
HEL
L
G
H
J
K
18, 19
20


18, 17, 15-10
CRP #14
"87-96"
121.6 NW
NW
Barley 1983
2,3,5-9,11-13
N/C in 1990
OPEN DITCH
THROUGH CHADWICK
FARM TO
DEEP CREEK
OVER FLOW
Pivot #9 (CRP)
Pivot #8 (CRP)
CRP
"87-96"
115.9
NW
CRP
"87-96"
122.6 NW
POND #1
POND #2
T.4561
F.780'
NE
T.3761
F.2546
NW
T.2861
F.2861
NW
N/C
BARLEY
1983
PERMIT 47-07753 INIT DAN
T. R. S. Q/Q
P/D
SCALE 660
PHOTO ID. M-21 (1987 Flight)

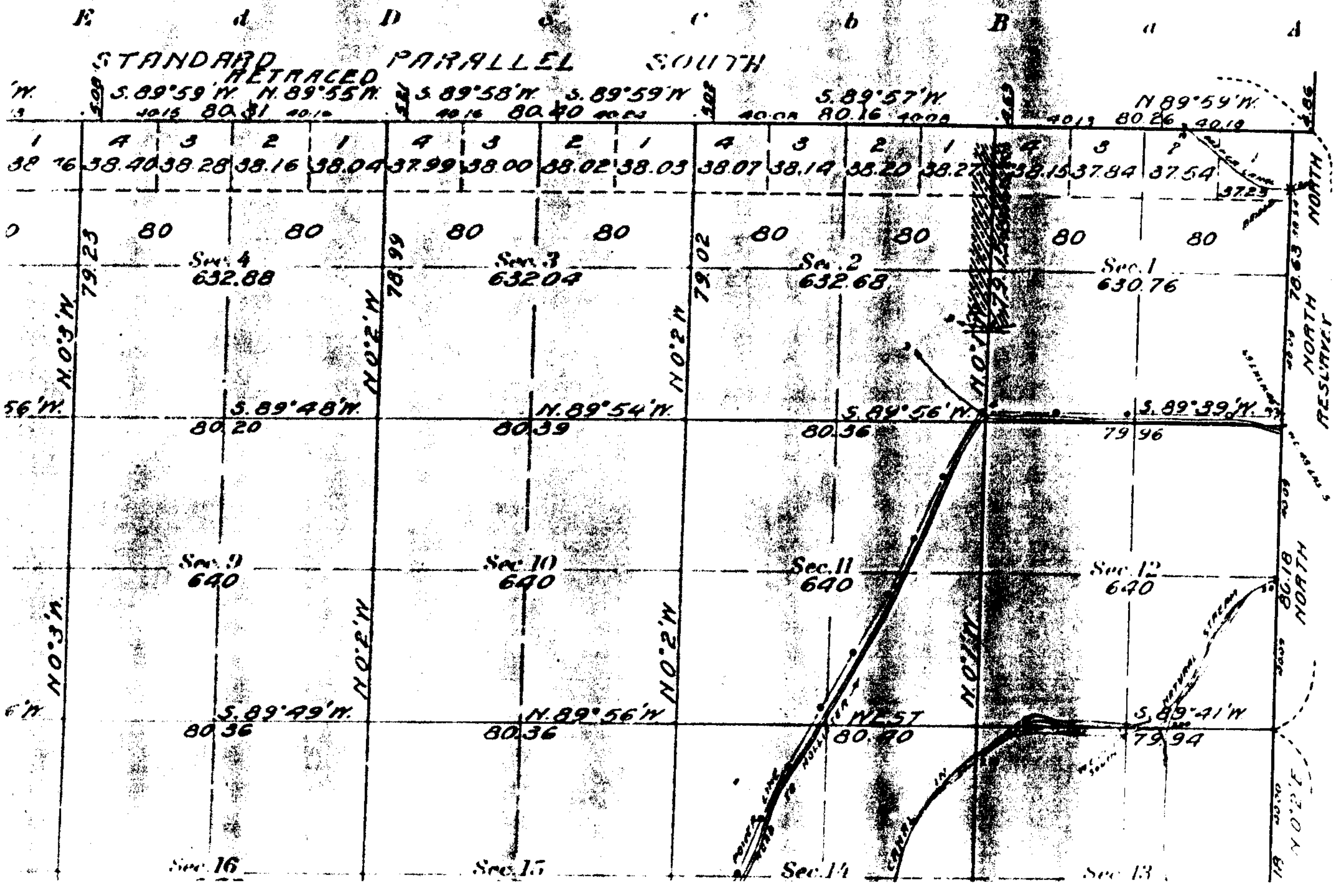


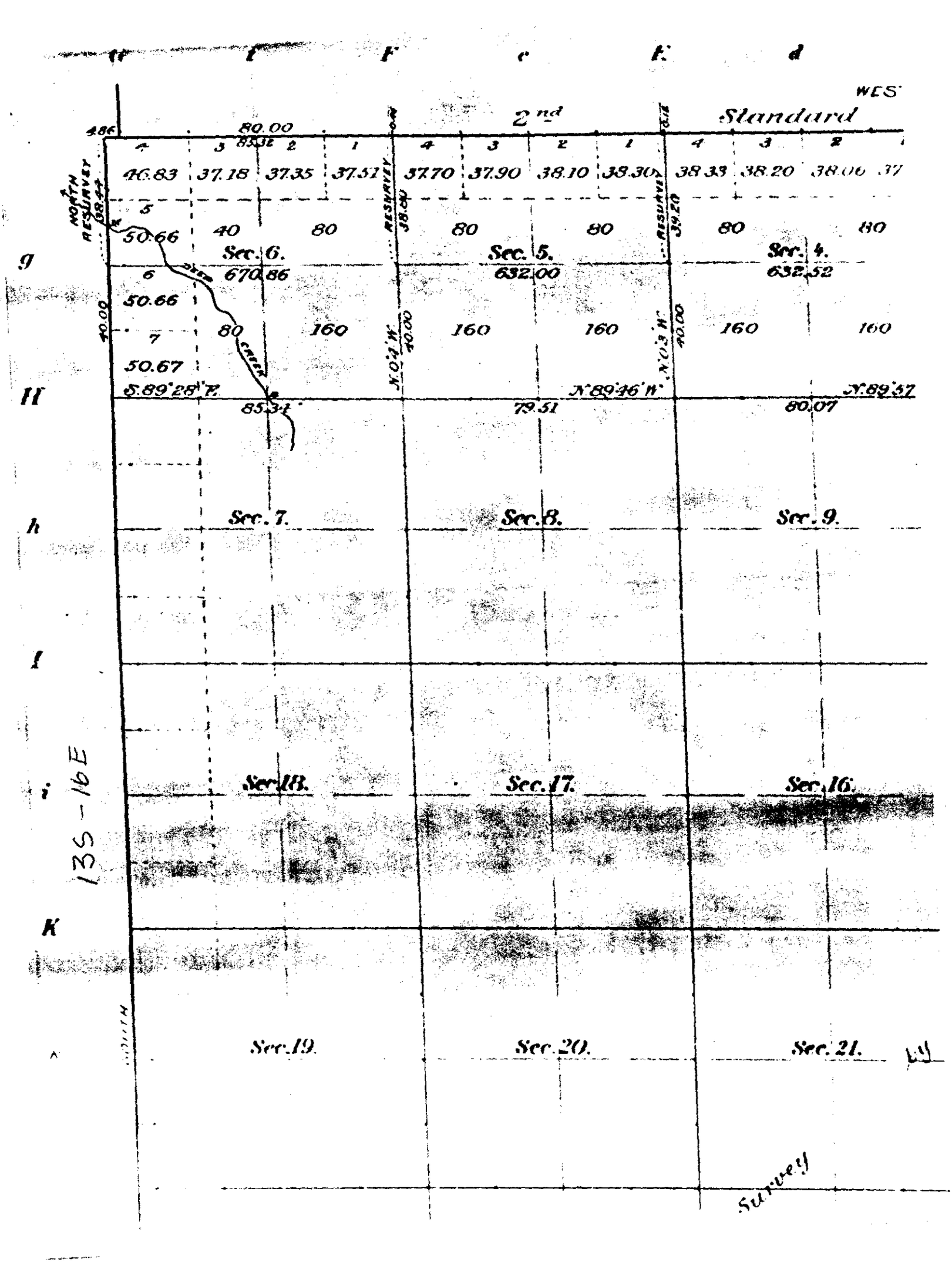
Date of Survey		When Surveyed	Mean Declination
79	18	Feb 28 - Mar 8, 1901.	
78		June 2 - 8, 1901.	18° 26' E.

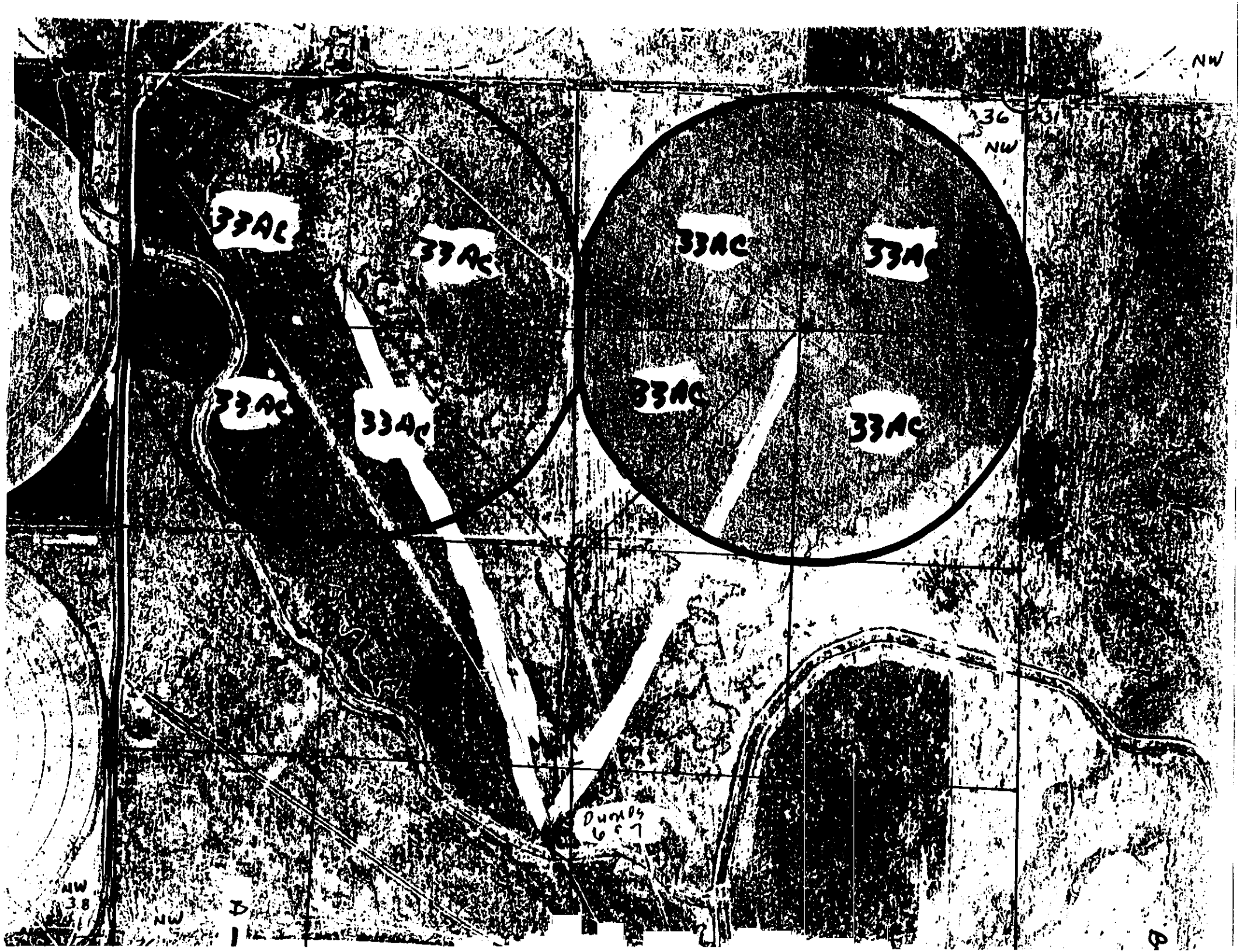
The above plat of Township 1 N 12 South of the Boise Meridian, Idaho is an index of the survey thereof on file in this office, which is

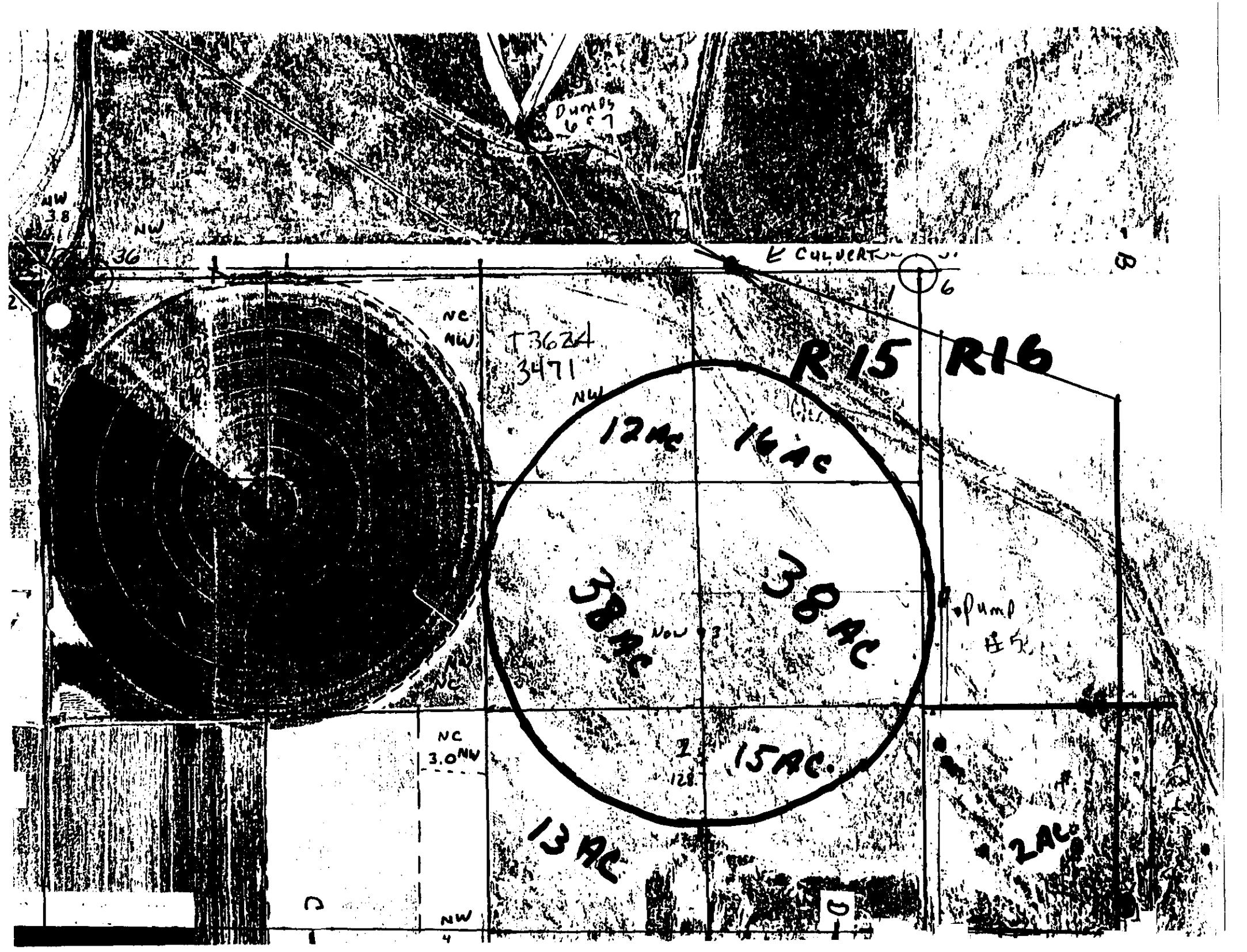
13S-15E (4-6759)

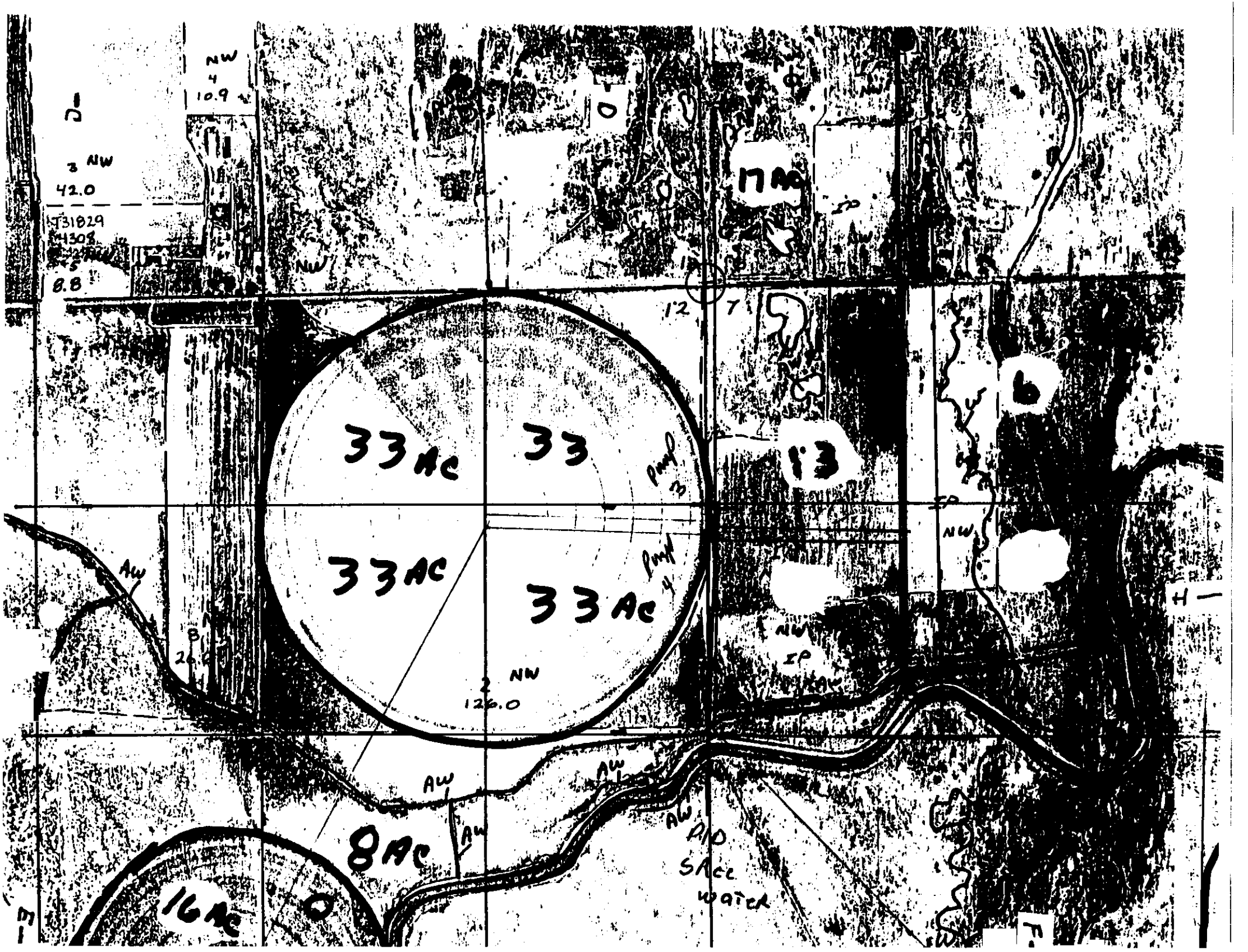
, Range No. 15 East of the Boise Meridian, Idaho.

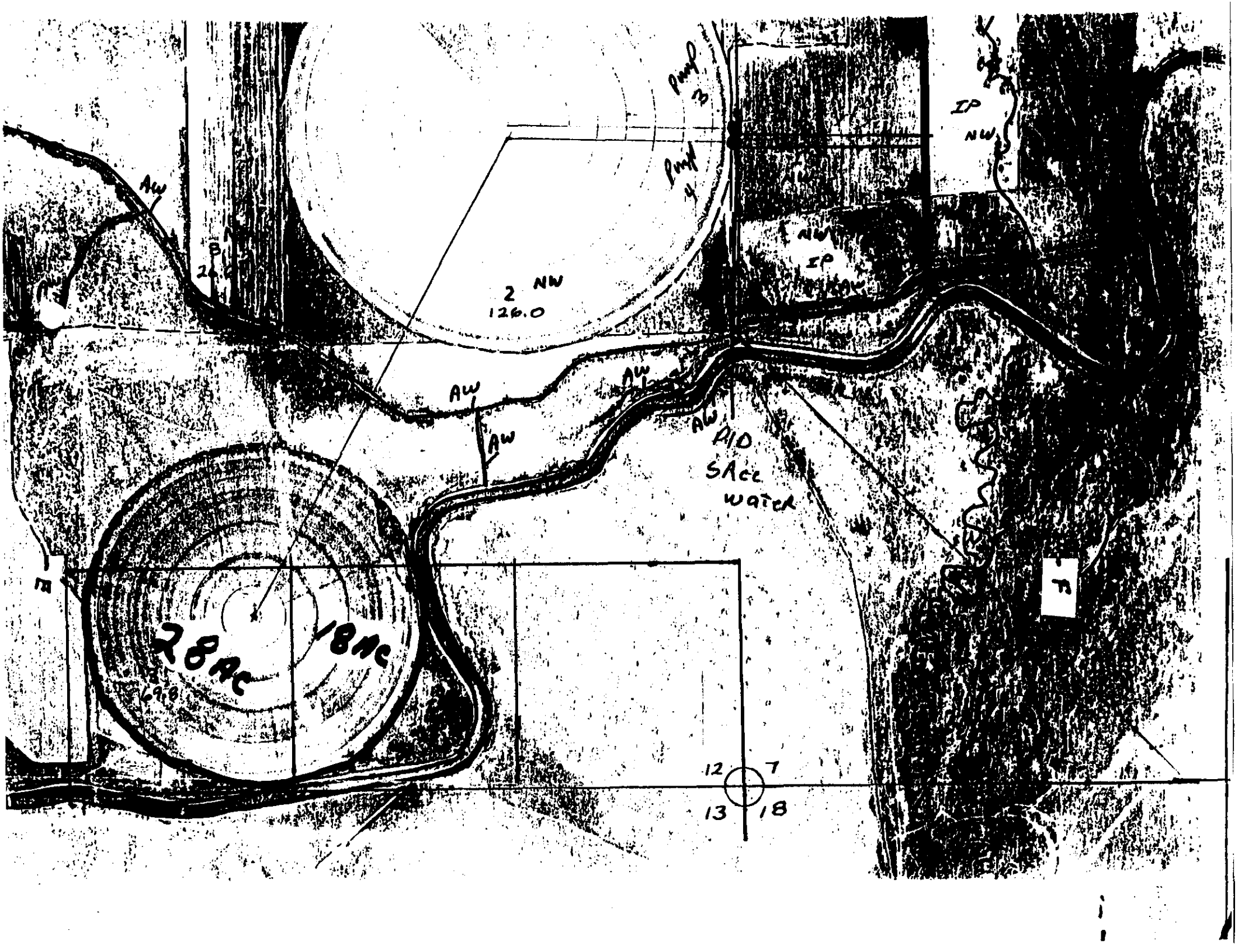


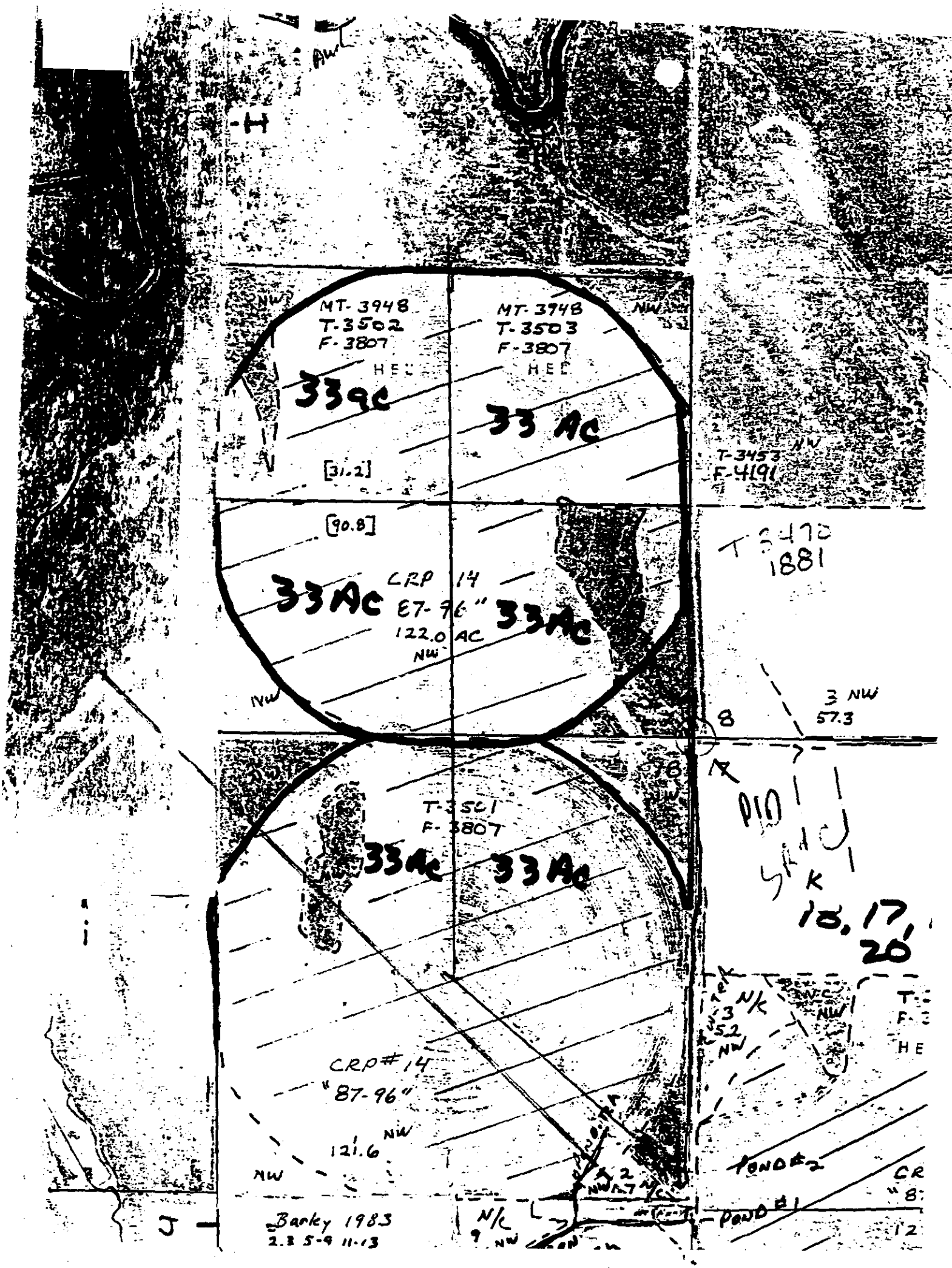

WEST
2nd Standard
80.00
46.83
37.18
37.35
37.51
37.70
37.90
38.10
38.30
38.33
38.20
38.06
NORTH RESURVEY 68.44
RESURVEY 38.80
RESURVEY 39.20
50.66
50.66
50.67
S.89°28'E.
85.34
N.0°4'W.
N.89°46'W.
79.51
N.0°3'W.
N.89°37
80.07
Sec. 6.
670.86
Sec. 5.
632.00
Sec. 4.
632.52
Sec. 7.
Sec. 8.
Sec. 9.
Sec. 18.
Sec. 17.
Sec. 16.
Sec. 19.
Sec. 20.
Sec. 21.
13S-16E
Survey

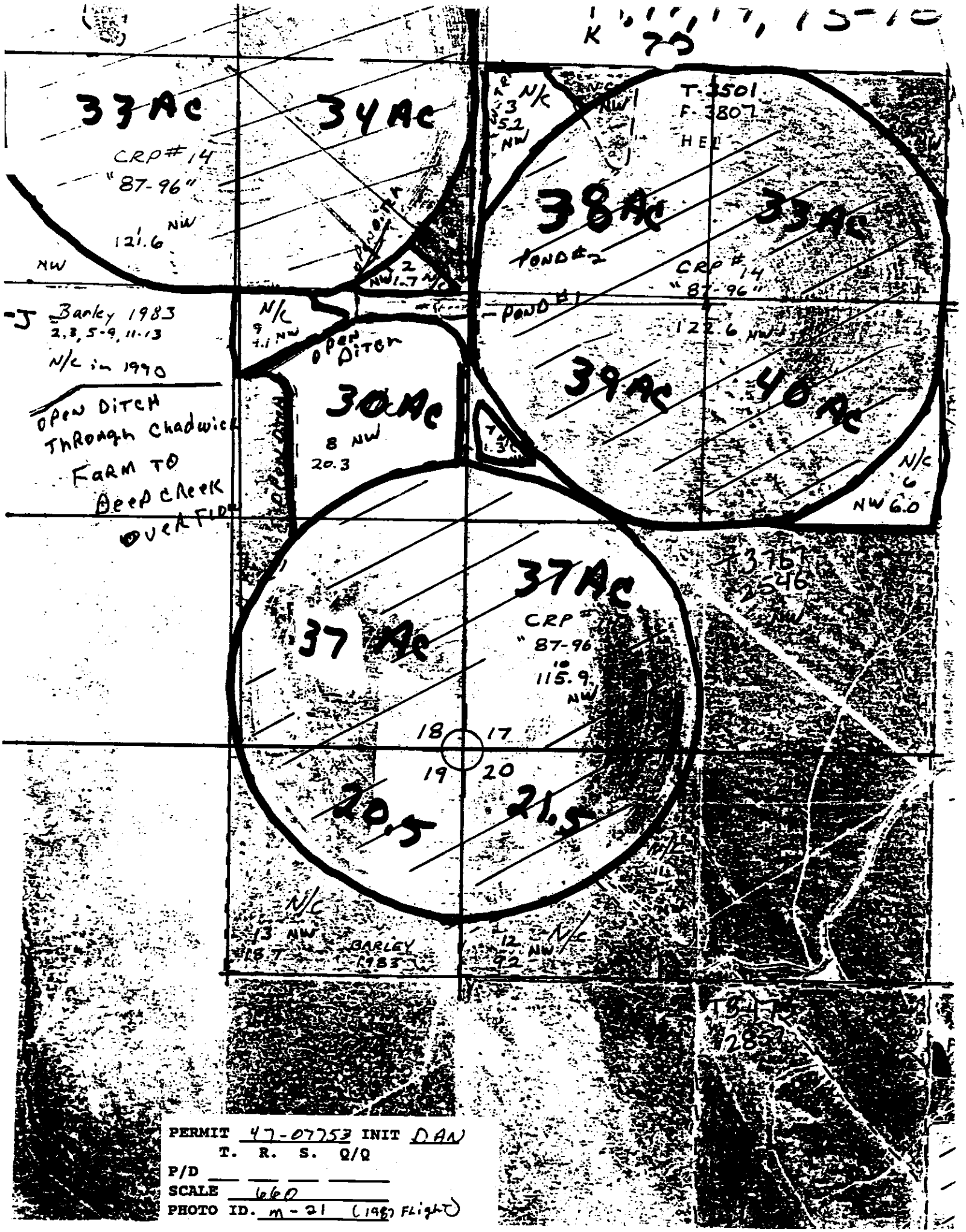

NW
36
NW
33AC
33AC
33AC
33AC
33AC
33AC
Dumps
NW
38
NW
B


Dumb
6 7
NW
3.8
36
CULVERT
6
B
NC
NW
T36N
R15
R16
3471
NW
12AC
16AC
38AC
38AC
NW
3
pump
NC
NW
NC
3.0NW
1
128
15AC.
13AC
2AC
C
D
NW
4

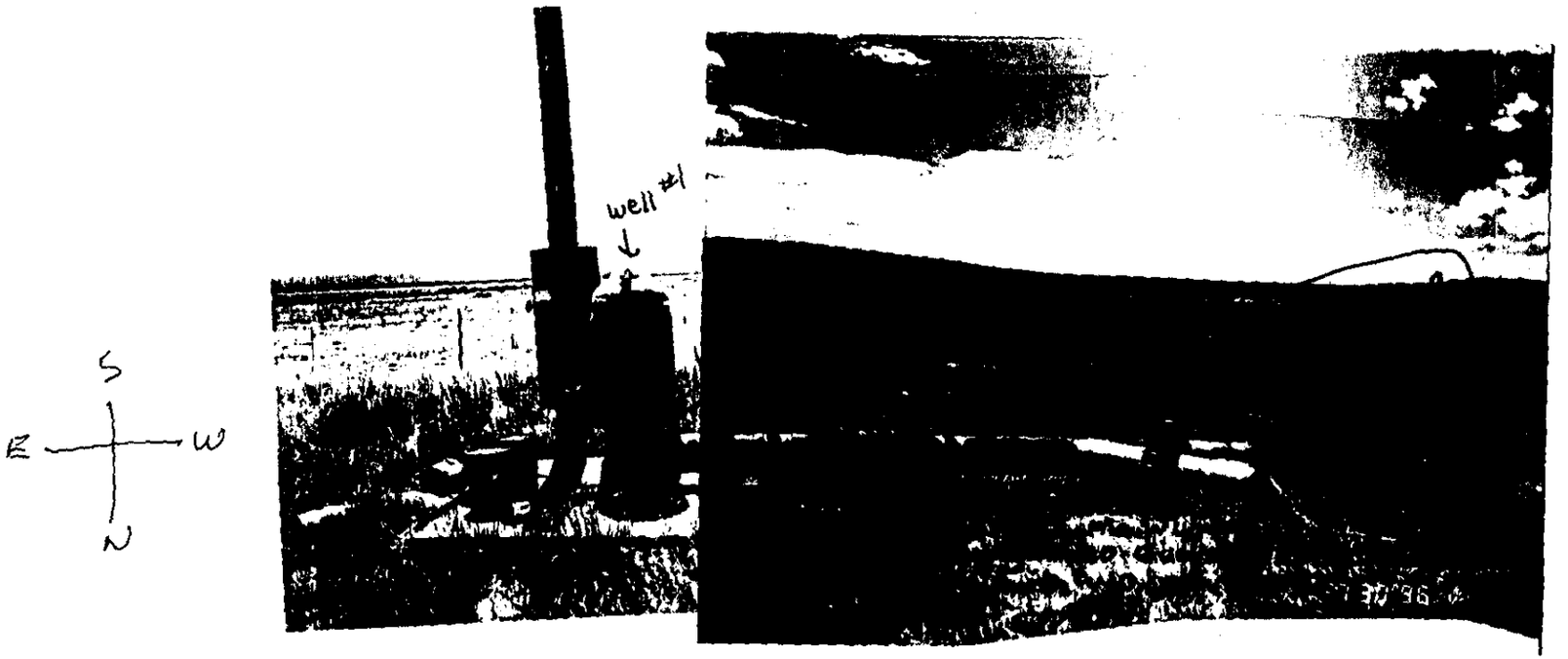

NW
10.9
3 NW
42.0
T31029
14309
5
6.8
NW
D
17 AC
12
7
33 AC
33
33 AC
33 AC
Pivot 3
Pivot 4
AW
B
2
NW
126.0
NW
IP
AW
AW
AW
AW
8 AC
16 AC
D
RIO
SACC
WATER
NW
H
F


Pmp 3
Pmp 4
AW
2 NW
126.0
IP
NW
AW
AW
AW
AW
RID
SACC
WATER
RBAC
RBNC
698
12
7
13
18
F


MT-3948
T-3502
F-3807
HEL
33Ac
[31.2]
MT-3948
T-3503
F-3807
HEL
33 Ac
[90.8]
CRP 14
87-96"
122.0 AC
33Ac
33Ac
T-3501
F-3807
33Ac
33Ac
CRP#14
"87-96"
121.6
Banky 1983
2.3 5-9 11-13
T-3453
F-4191
1881
3 NW
57.3
10.17
20
POND #2
POND #1



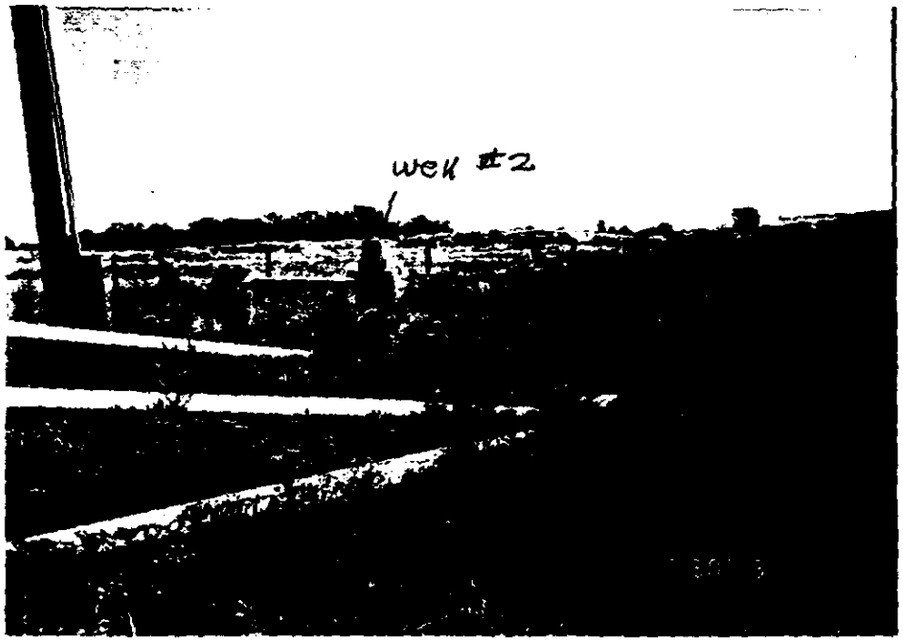
PERMIT 47-07753 INIT DAN
T. R. S. Q/Q
P/D
SCALE 660
PHOTO ID. M-21 (1987 Flight)



Well #1

Well #1 uses a 125 Hp pump to draw out groundwater. The water is then discharged into a mainline that splits into 2 directions. The first mainline after the splits travels north west for over a mile to culverts #1 and #2. The second mainline is used as a pressure relief if the other mainline backs up or becomes clogged. The second mainline runs south west to an open waste ditch that empties into Deep Creek.

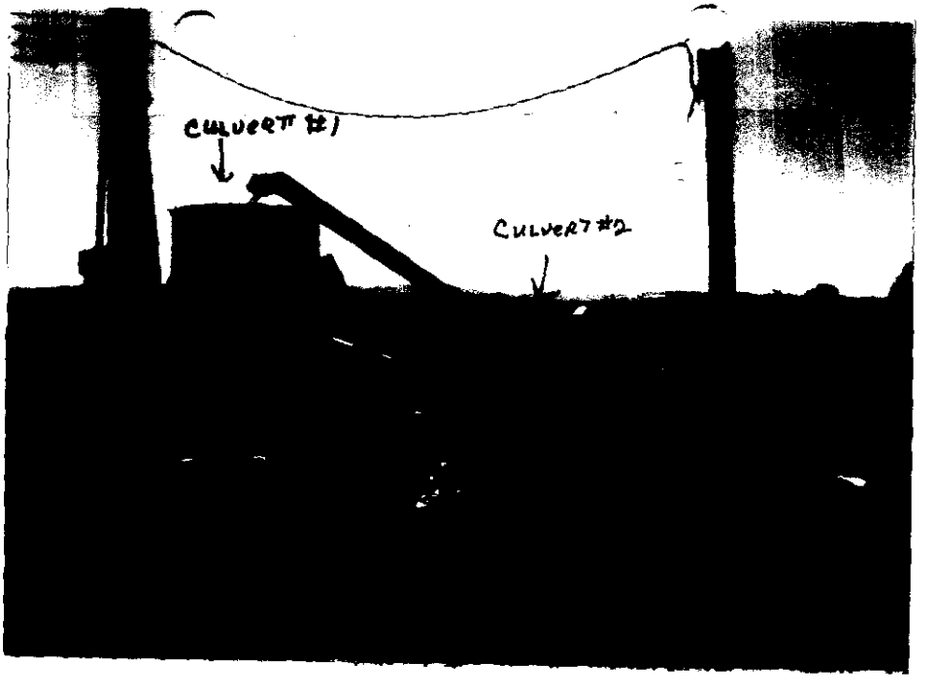
* Please note the original photo is the Field exam for Permit # 47-08012

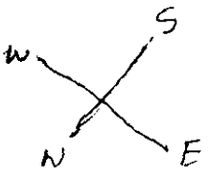


Well #2.

Well #2 Pulls out WATER and Discharges IT INTO a mainline THAT EMPTIES INTO CULVERT #1. BOTH PIPES FROM CULVET #1 and CULVERT #2 are shown HERE ALSO. They BOTH TRAVEL EAST and discharge INTO an OPEN DITCH which TRAVELS NORTH and REJOINS this SYSTEM AT CULVERT #3.

Please NOTE: ORiginal P is IN PERMIT # 47-08012's Field Exam



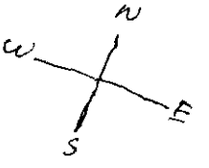


FRONT VIEW OF MAIN DIVERSION WORKS.

WATER is PUMPED OUT OF CULVERT #1 THROUGH PUMP #3 TO CENTER PIVOT IN THE NE 1/4 OF SECTION 12. PUMP #4 PULLS WATER OUT OF CULVERT #2 AND SENDS IT TO THE SMALL PIVOT IN SECTION 12 OR BACK INTO THE MAINLINE FROM WELL #1 AT 2 SEPERATE POINTS. ONE OF THESE POINTS IS A MAINLINE THAT INJECTS WATER INTO WELL #1'S MAINLINE AND THE OTHER IS A HOSE USED TO INJECT WATER INTO THE PIPE FEEDING CULVERT #1 BY A HOSE. SALMON RIVER CANAL COMPANY WATER IS RUN INTO CULVERT #3 THROUGH THE WHITE PIPE

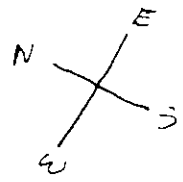


Back View OF Main Diversion WORKS

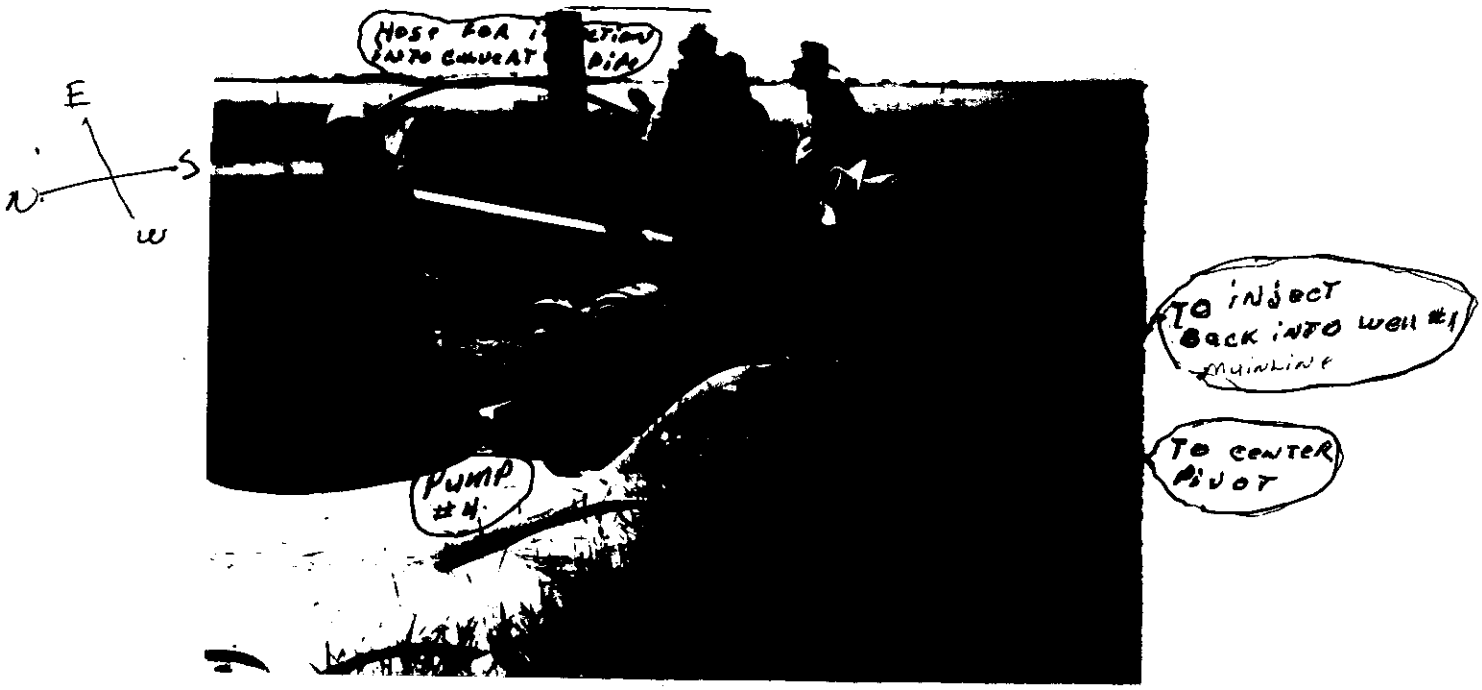


The MAINLINE FROM WELL #1 COMES INTO THIS DIVERSION WORKS FROM THE SOUTH AND IS INJECTED WITH WATER FROM PUMP #4. THIS MAINLINE THEN BRANCHES INTO 3 PIPES. 1 PIPE GOES INTO CULVERT #2, 1 PIPE GOES INTO CULVERT #1 AND THE 3RD PIPE CONTINUES ON NORTH TO FEED THE PIVOTS LOCATED NORTH OF SECTION 12. PUMP #4 ALSO DISCHARGES WATER INTO THE PIPE DISCHARGING INTO CULVERT #1 BY WAY OF A HOSE, WELL #2 DISCHARGES INTO CULVERT #1. BOTH CULVERTS HAVE PIPES TRAVELING EAST TO IRRIGATE GRAVITY FEED FIELD AND THEN CONTINUES ON TO REJOIN THE SYSTEM AT CULVERT #3 IN SECTION 36.



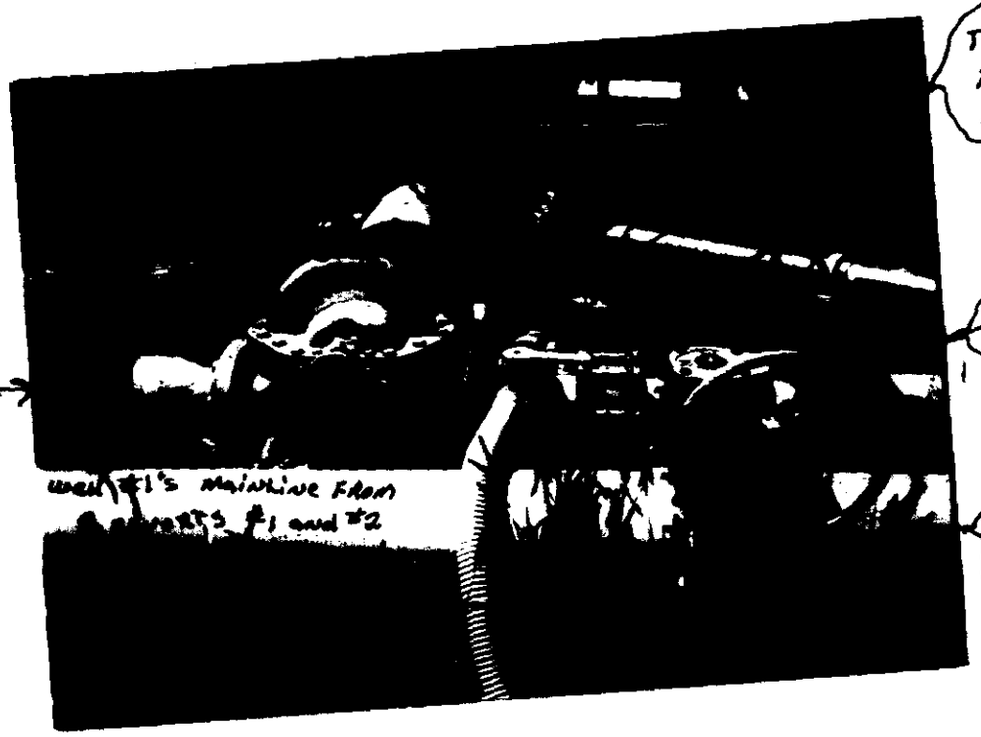


This pump #3.
Pump #3 pulls water out of culvert #1 and sends it to the pivot in the NE¼ of section #12



This is pump #4

Pump #4 draws water from culvert #2 and can send it in 3 directions. The first direction sends water to a center pivot located in the southern portion of section 12. The second direction travels back east and re-enters the mainline from well #1. The third way is through a hose that injects water into a pipe that empties into culvert #1.



Pump #5

The mainline FROM well #1 which passed through The main diversion works at CULVERT#1 and CULVERT #2 TRAVEL NORTH UNTIL IT Reaches This Point. AT This Point A PORTION OF The WATER is DRAWN FROM This mainline INTO Pump #5. Pump #5 Then Sends The WATER due west TO The CENTER PIVOT in section #1. The Remaining WATER in The mainline FROM well # CONTINUES ON TO CULVERT #3.



The mainline FROM Pump #5 TRAVELS THROUGH The INJECTION POINT Where WATER FROM CULVERT #3 is INJECTED INTO The main line

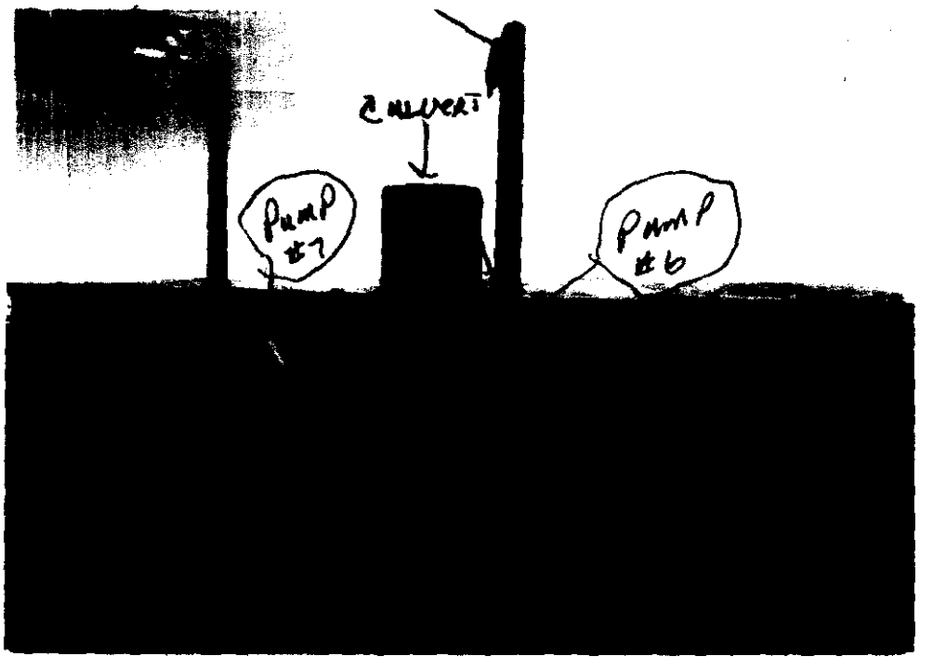


CULVERT #3
This is Where The WATER CONVERGES and CAN Be INJECTED INTO The mainline FROM Pump #6.



CULVERT #3

The water that empties into culvert #3 comes from Salmon River canal company (SRCC) water from the point of diversion in section #7. The SRCC water from this point of diversion travels north. through an open ditch (the same ditch that culvert #1 and culvert #2 discharge into) and irrigates 38 acres through gravity flow in sections 6 and 7. After these acres the excess water enters a pipeline that travels north-then northwest to culvert #3. at culvert #3 the water can go 2 ways. The first direction the water can go is to be injected into the mainline from pump #5. This mainline then travels north to the 2 pivots in section 36. The second direction water can go from culvert #3 is to a neighbors farm to the west. This neighbor has the same point of diversion for SRCC water.

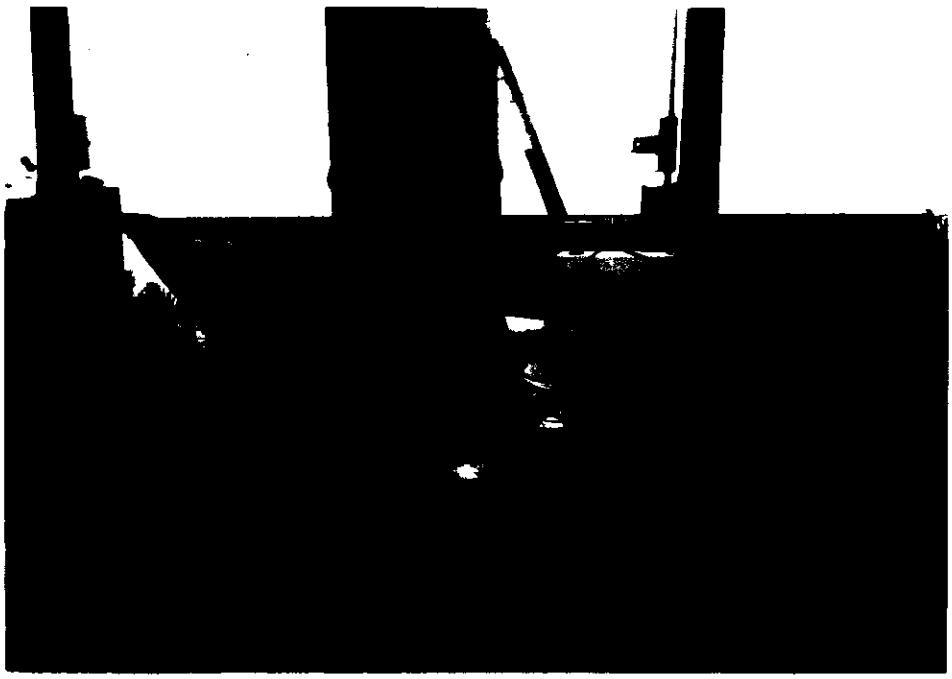


PUMPS #6 AND #7.

WATER FROM THE MAINLINE FROM PUMP #5 (WHICH RUNS PAST CULVERT #3) EMPTIES INTO THIS CULVERT AND IS DRAWN OUT BY PUMPS #6 AND #7 WHICH SENDS THE WATER THROUGH MAINLINES TO THE 2 PIVOTS IN SECTION 36. THIS IS THE END OF THE SYSTEM



Pump #7



Pump #6

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000
Phone: (208) 327-7900 FAX: (208) 327-7866

PHILIP E. BATT
GOVERNOR

KARL J. DREHER
DIRECTOR

JULY 9,1996

LYN CALLEN
SHELLEY CALLEN
2134 E 2200 N
TWIN FALLS ID 83301

RE: Permit Nos. 47-07753 and 47-08012

Dear Permit Holder(s):

We acknowledge receipt of the correspondence changing ownership of the above referenced water rights to you. We have modified our computer records to reflect these changes in ownership.

If you have any questions regarding this matter, please feel free to contact us.

Sincerely,

JIM JOHNSON, Manager
Water Right Permits Section

JJ:rl

AUG 0 9 1996

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

September 29, 1989

RE: Permit No. 47-7753

William Loughmiller
Loughmiller Farms, Inc.
Rt. 1
Twin Falls, ID 83301

Dear Mr. Loughmiller:

Our file on the above referenced permit indicates that you completed the trust water information questionnaire and submitted it to our office in Twin Falls. That office received the questionnaire on August 9, 1989. When the questionnaire was sent here to the state office, I could not immediately locate the permit file. The questionnaire subsequently remained detached from the file for a period of time and I proceeded to issue an order cancelling the permit because I erroneously believed that you had not responded to our earlier correspondence. Realizing this mistake a day after the order was sent out, I immediately removed the cancellation order from the file. The order has been destroyed and the permit is still valid. Please ignore the cancellation order dated September 26, 1989.

I have reviewed certain aerial photography from both 1984 and 1986 which confirms that the lands under the permit were irrigated prior to July of 1985. Based on this evidence, I have recommended that the permit not be subject to the review requirements of Section 42-203D (i.e.; review and processing required as a result of the Swan Falls settlement). I have recommended that the department move toward licensing the permit.

Sincerely,

TIM LUKE
Sr. Water Resource Agent

TL:sc

OCT 9 1989

MEMORANDUM

TO: FILE

FROM: TIM LUKE

RE: SWAN FALLS PROCESSING
PERMIT NO. 47-7753

DATE: 9-27-89

==========

This permit is exempt from the review requirements of Section 42-203D becuase the lands uder the permit appear to have been irrigated prior to July 1, 1985. A review of 1984 NHAP photography at the state SCS office in Boise confirms irrigation of the land in that year. The land appears to have been irrigated by center pivots both in 1984 and 1986 (the latter year confirmed by IDWR remote sensing data), thus indicating that the groundwater source was developed by 1984. The questionaire returned by Mr. Loughmiller states that the system was in full use by the spring of 1983.

I recommend that this permit be removed from the Swan Falls process list. The department should proceed with a field examination and licensing of the permit.

Copy: Southern Region

AUG 09 1996

NAME OF APPLICANT UHAP #17-7753 Form No.

FROM PERMIT: 13S-16E 2"=1MI

40 40

18 17

40

40

110 40

19 20

FROM UHAP: 25S-10 (7/12/84) 1"=1MI

18 17

19 20

29

UHAP SHOWS NO CURRENT IRRIGATION USE ON PERMITTED LANDS; AREA WITH CIRCLES SHOWS STUBBLE

AUG 19 1985

RECEIVED

AUG - 9 1989

Department of Water Resources
Southern Region Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
TRUST WATER INFORMATION QUESTIONNAIRE

GENERAL INSTRUCTIONS: Please answer all questions thoroughly. A separate questionnaire must be completed for each permit.

1. Permit number 47-7753.

2. Was the development or a portion of the development complete and water from the source identified under this permit used before July 1, 1985? Yes √ No _____

   If yes, the Department requests that you submit evidence showing the extent of your development existing on July 1, 1985. Evidence should at least include aerial photos (for developments of five acres or more) which are signed and dated by a local ASCS representative. Other evidence may include power records, irrigation equipment records or receipts, and affidavits from persons who are knowledgeable of your operation and dates of past water use.

3. Are you still interested in developing or completing the development under your water right filing?
   Yes √ No _____
   If no, please complete and return the attached relinquishment form.
   If yes, please submit the required $20.00 readvertisement fee

4. If you answered yes to question #3, please indicate the number of acres you intend to develop. _____
   System was fully in use by Spring of 1983, Examined by IDWR in Fall of 1986.

5. Remarks: We are using this system & plan to continue doing so. We never received this questionaire in the mail or I would have responded right away.

I hereby assert that the responses provided above are true to th best of my knowledge. I understand that any willful misrepresentations may result in voiding of the application or cancellation of the permit by the department.

Lon Fullmer Sons Inc by Wilbur Lon Fullmer pres 8-9-89
Permit holder Date

Address: RT 1 Box 4421
Twin Falls Idaho 83301

Phone (208) 733 5761

09 1996

State of Id o
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

July 27, 1989

Loughmiller Farms Inc.
Route 1
Twin Falls, ID 83301

Re: Permit No. 47-7753

Dear Gentlemen:

NOTICE OF PENDING ORDER CANCELLING PERMIT

On November 17, 1981, the Department of Water Resources (department) issued Permit No. 47-7753 which authorized the diversion of 6.0 cfs of water from groundwater for the irrigation of 360 acres.

The department mailed a letter and questionnaire to you on May 24, 1989 in connection with the permit. The letter provided notice that the department was reviewing the permit in connection with development which was not complete prior to July 1, 1985.

This letter also requested that you return the department's questionnaire concerning any prior development under the permit and/or your plans for pursuing completion of the proposed project. The correspondence further requested that you submit with the questionnaire either a readvertisement fee in the amount of twenty ($20) dollars and/or evidence showing that development under the permit was complete prior to July 1, 1985. Finally, the letter notified you that failure to submit the required fee or information within 30 days of the date of the letter was cause for the department to cancel the permit.

The purpose of this letter is to provide a second and final opportunity for you to submit the requested information. If you fail to respond to this inquiry within fifteen (15) days of the date of this letter, the Department will issue an order cancelling the permit pursuant to Water Appropriation Rule 4,2,3,4.

If no development has been completed as authorized by the permit, and you are no longer interested in pursuing the development, please complete and return the enclosed relinquishment form.

Please feel free to contact me if you have any questions concerning this matter.

Sincerely,

TIM LUKE
Sr. Water Resource Agent

Enclosure
c: Region

AUG 0 9 1996

State of Idaho
DEPARTMENT OF WATER RESOURCES
1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720 - (208) 327-7900

CECIL D. ANDRUS
GOVERNOR
R. KEITH HIGGINSON
DIRECTOR

May 24, 1989

RE: PERMIT NO. 47-7153

Dear PERMIT HOLDER:

Due to the Swan Falls litigation, development proposed by the enclosed permit may have been delayed. The Department is presently reviewing the permit and may authorize completion of development proposed under the permit.

The purpose of this letter is to determine: (1) the extent of development under the permit, and (2) your continued interest in developing or completing development under the permit.

Enclosed are two forms which will help the Department expedite the reprocessing of the permit.

Please complete and return the enclosed questionnaire if you wish to continue with your plans of development or have completed all or a portion of your development before July 1, 1985.

Please complete the enclosed relinquishment form and return it to the Department if you have abandoned or have no interest in continuing with your plans for development of the project.

If the entire project was not completed prior to July 1, 1985, and you still wish to proceed with your plans of development, then you must submit a $20.00 re-advertisement fee to the Department as required by Water Appropriation Rule 4,2,3. and Section 42-221F, Idaho Code.

Failure to return the questionnaire and pay any required re-advertisement fee within thirty (30) days of the date of this letter is cause for the Department to cancel the permit.

If the incomplete portion of your project is for irrigation of more than 200 acres, the Department will issue a notice requesting additional information as required by Water Appropriation Rule 4.5. (copy enclosed).

AUG 0 9 19[illegible]

If you have questions concerning the content of this letter or about completing the forms, please contact Tim Luke at the address below or by calling directly at 327-7864. The enclosed forms and all other relative information must be returned within thirty (30) days to:

Idaho Department of Water Resources
Statehouse Mail
Boise, Idaho 83720
Attn: Tim Luke - Water Allocation/Trust Water

Please note that a copy of your permit is enclosed. The permit number is shown on the enclosed questionnaire.

Sincerely,

TIM LUKE
Sr. Water Resource Agent

Enclosures

AUG 09 1996

PLACE
STAMP
HERE



AUG 09 1996

IDAHO DEPARTMENT OF WATER RESOURCES
STATEHOUSE
BOISE, IDAHO 83720

Form 204-p
6/82

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

COMMENCEMENT OF WORKS

Permit No. 47-7753

Name(s) of Permit Holder(s): Loughmiller Farms Inc

Post Office Address: Rt #1, Twin Falls, ID. 83301

Tel. No. 733-5761

☑ I hereby certify that construction of diversion works for the above referenced permit began on 9-15-81 (date). I understand that I must continue to develop the water system with due diligence to maintain a valid permit.

☐ I hereby certify that construction of diverting works on the above referenced project has not yet begun due to the following reason beyond my control*:

_____

_____

*Note: A financing difficulty is not an acceptable reason.

7-12-82
Date

Signature of Permit Holder

RECEIVED 09 1982

Rec 9/29/86 IDWR Southern Reg.

Form 217
03/86

RECEIVED
SEP 30 1986

For Office Use Only
Fee Received ADA
Date 9/29/86
Receipt # 38735
Receipt by M. Baldwin
Reviewed by
Sent to region 10-14-86

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Department of Water Resources

PROOF OF BENEFICIAL USE

The Idaho Department of Water Resources will consider this form as a statement that the permit holder(s) has completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee or a completed field examination report prepared by a certified water right examiner who has been appointed by the department.

Permit No. 47-7753

Name(s) of Permit Holder: Loughmiller Farms Inc.

Post Office Address: Rt 1 Box 4421 Twin Falls Idaho 83301

Telephone No. 733-5761

Source of Water: Deep Well

Extent of Use:

Domestic _____ (number of households) Stockwater _____ (number and type of stock)

Irrigation ~~489~~ 360 current (acres) Other/Remark _____

1200 a under well permit

Total rate and/or volume for which proof is submitted 40 cfs _____ acre-feet

Show the date water was first diverted and beneficially used under this permit: Spring 1982

Measuring Device: Required? ___ Yes ___ No
Installed? ___ Yes ___ No

Fee enclosed $ $175.00
(See License Examination Fee Schedule)

Flow Measurement Port: Required? ✓ Yes ___ No
Installed? ✓ Yes ___ No

Person to contact to accompany the Department representative during the field examination:

Bill Loughmiller (Name) 733-5761 (Telephone Number)

Rt 1 Box 4421 Twin Falls Idaho
(Address)

The above information is my true statement of the extent to which the above numbered permit has been developed and I relinquish any undeveloped portion of the permit to the state of Idaho.

9/29/86
Date

William D. Loughmiller, Jr.
Signature of Permit Holder (and title, if appropriate)

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

STATEHOUSE
BOISE, IDAHO 83720
(208) 334-4440
CERTIFIED MAIL
AUGUST 31, 1986

138247

LOUGHMILLER FARMS, INC.
RT. 1
TWIN FALLS, ID 83301

PROOF DUE NOTICE

RE: PERMIT NO. 47-7753

DEAR PERMIT HOLDER:

ONE OF THE CONDITIONS OF APPROVAL OF THE ABOVE REFERENCED WATER PERMIT WAS THAT PROOF OF THE EXTENT OF YOUR BENEFICIAL USE MUST BE SUBMITTED TO THIS OFFICE ON OR BEFORE NOVEMBER 1, 1986. (SEE LAST PAGE OF YOUR APPROVED PERMIT OR YOUR LAST APPROVED EXTENSION REQUEST.) ENCLOSED IS A FORM WHICH WHEN ACCOMPANIED BY THE LICENSE EXAMINATION FEE OR A COMPLETED FIELD EXAMINATION REPORT PREPARED BY A CERTIFIED WATER RIGHT EXAMINER MAY BE USED TO SUBMIT THE REQUIRED PROOF.

IF YOU HAVE NOT FULLY COMPLETED YOUR PROJECT, AND YOU OR A PREVIOUS OWNER OF THIS PERMIT HAVE NOT RECEIVED A PRIOR EXTENSION OF TIME, YOU MAY REQUEST AN EXTENSION OF TIME IF THE DELAY IS FOR REASONABLE CAUSE AS PROVIDED IN SECTION 42-204, IDAHO CODE. IF YOU HAVE BEEN PREVENTED FROM PROCEEDING BY A GOVERNMENTAL AGENCY OR BY LITIGATION WHICH MIGHT BRING TITLE TO THE WATER IN QUESTION, MORE THAN ONE EXTENSION OF TIME CAN BE GRANTED. AN EXTENSION OF TIME REQUEST FORM IS ENCLOSED FOR YOUR CONVENIENCE.

EITHER AN ACCEPTABLE PROOF OF BENEFICIAL USE SUBMITTAL OR AN ACCEPTABLE REQUEST FOR AN EXTENSION OF TIME MUST BE RECEIVED BY THIS DEPARTMENT ON OR BEFORE THE ABOVE DESCRIBED PROOF DUE DATE. IF NEITHER IS RECEIVED, THE DEPARTMENT WILL SEND YOU A LAPSE NOTICE. WITHIN SIXTY (60) DAYS OF THE MAILING OF THE LAPSE NOTICE, THE PERMIT WILL NO LONGER BE OF ANY FORCE NOR EFFECT.

SINCERELY,

RITA FLECK
SECRETARY/RECORDS MANAGER

ENCLOSURES

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

SEPTEMBER 1, 1985

DEAR PERMIT HOLDER:

ACCORDING TO OUR RECORDS, YOU ARE THE HOLDER OF A WATER PERMIT ON WHICH PROOF OF BENEFICIAL USE OF WATER WAS NOT SUBMITTED BEFORE JULY 1, 1985, WHICH INDICATES YOUR PROJECT IS NOT COMPLETE. THEREFORE, YOU NEED TO BE AWARE OF CHANGES IN IDAHO LAW, EFFECTIVE JULY 1, 1985, WHICH IMPACT ALL WATER PERMITS ISSUED BY THIS DEPARTMENT.

SPECIFICALLY, PURSUANT TO SECTION 42-203D, IDAHO CODE, THE DEPARTMENT MUST REVIEW ALL PERMITS FOR WHICH DEVELOPMENT OF WATER USE WAS NO COMPLETED ON OR BEFORE JULY 1, 1985, TO DETERMINE IF THEY MEET THE NEW REQUIREMENTS OF CHAPTER 2, TITLE 42, IDAHO CODE. RULES AND REGULATIONS GOVERNING THE RE-EVALUATION OF PERMITS ARE NOT YET FINALIZED. HOWEVER, IF YOU COMPLETED THE DEVELOPMENT UNDER YOUR PERMIT BEFORE JULY 1, 1985, YOU SHOULD SUBMIT A PROOF OF BENEFICIAL USE STATEMENT, STATING THAT THE PROJECT WAS COMPLETED BEFORE JULY 1, 1985 SO THAT YOUR PERMIT WILL NOT BE SUBJECT TO THE REVIEW REQUIREMENTS OF SECTION 42-203D, WHICH READS AS FOLLOWS:

> 42-203D. REVIEW OF PERMITS - OPPORTUNITY FOR HEARING. - (1)THE DEPARTMENT SHALL REVIEW ALL PERMITS ISSUED PRIOR TO THE EFFECTIVE DATE [JULY 1, 1985] OF THIS SECTION, EXCEPT TO THE EXTENT A PERMIT HAS BEEN PUT TO BENEFICIAL USE PRIOR TO JULY 1, 1985, TO DETERMINE WHETHER THEY COMPLY WITH THE PROVISIONS OF CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PROPOSED USE DOES NOT SATISFY THE CRITERIA OF CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL EITHER CANCEL THE PERMIT OR IMPOSE THE CONDITIONS REQUIRED TO BRING THE PERMIT INTO COMPLIANCE WITH CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PERMIT SATISFIES THE CRITERIA ESTABLISHED IN CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL ENTER AN ORDER CONTINUING THE PERMIT. (2)THE DEPARTMENT SHALL PROVIDE AN OPPORTUNITY FOR HEARING IN ACCORDANCE WITH SECTION 42-1701A, IDAHO CODE, AND SECTIONS 67-5209 THROUGH 67-5215, IDAHO CODE, FOR EACH HOLDER OF A PERMIT THAT IS PROPOSED EITHER TO BE CANCELLED OR MADE SUBJECT TO NEW CONDITIONS.

YOU MAY OBTAIN PROOF OF BENEFICIAL USE FORMS FROM THE DEPARTMENT. IF YOU HAVE ANY QUESTIONS, PLEASE LET US KNOW.

SINCERELY,

L. Glen Saxton

L. GLEN SAXTON
CHIEF, OPERATIONS BUREAU

UNCONFIRMED

S. e of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

December 16, 1981

RE: Permit No. 47-7753

Loughmiller Farms Inc.
Route #1
Twin Falls, ID 83301

Gentlemen:

Enclosed is a copy of your approved Application for Permit. We direct your attention to the conditions of approval on the fourth page.

Please be advised that a report entitled Investigations of the Groundwater Supply for the Salmon Falls Division (Draft, 1979) prepared by the U.S. Bureau of Reclamation indicates there may not be adequate groundwater for a project well in the area of your permit. We have enclosed an extract from the report for your information.

Be sure to note the special condition requiring you to install a measuring device, or an access port to provide for the installation of measuring equipment by the Department. Enclosed please find a list of measuring device options, and specifications for the installation of the access port.

We have enclosed a form entitled "Making Proof of Beneficial Use". Please read the instructions carefully since you must take further action to develop this permit into a license.

Sincerely,

DAVID R. TUTHILL, JR., P.E.
Supervisor, Water Allocation Section

DRT:kw
Enclosures

ENCLOSED

State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440

November 17, 1981

MEMO

TO: Glen Saxton

FROM: Marc Norton

SUBJECT: APPLICATION FOR PERMIT (47-7753)
(Loughmiller Farms, Inc.)

Three USGS observation wells are located within 15 miles of the proposed development. The well located in T.14S.-R.15E.-Sec. 28BAD2 is closest (8.6 miles south) and has declined 22.35 feet from September 1976 through September 1981. Over 10 feet of the decline came from September 1980 through September 1981. The second well, T.11S.-R.15E.-Sec. 7ACB1, is located 14 miles northwest of the proposed development while the third well (T.11S-R.17E-Sec. 25DDD2) is located 15 miles northeast. The second and third wells have only shown minor changes since 1976. A possible reason for this stability is that both wells are located near the canal system south of Twin Falls.

No well logs have been filed in Section 18. A 740 foot deep domestic well located in Section 16 had a static water level of 110 feet in 1972. A stock well, 800 feet deep, was completed in Section 21 in the fall of 1968 with a static water level of 84 feet. Nine irrigation wells, eight of which have a licensed water right, are located within three miles to the west.

I have attached a section from the report, Investigations Groundwater Supply for Salmon Falls Division (Draft, 1979). The section states: "... ground water potential in the Salmon Falls Creek Basin is not adequate for project supply wells." The persons wishing to develop in this area should be made aware of this report at the time of permit approval or denial.

No specific casing requirements are needed as no other irrigation wells are located within one mile by our records.

MAN:mb

GROUNDWATER POTENTIAL
SALMON FALLS DIVISION

Salmon Tract Unit

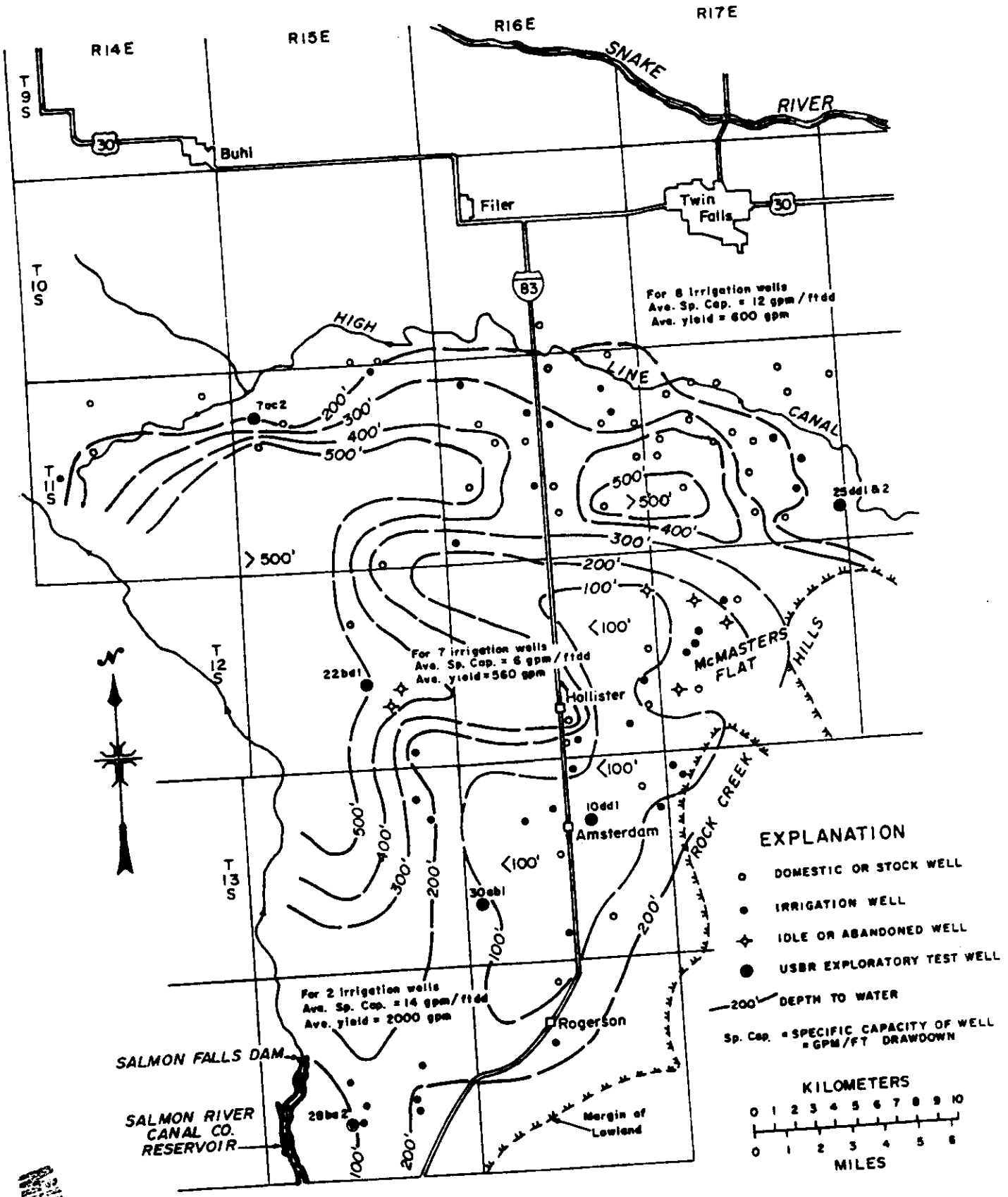
General

Attempts to develop groundwater for irrigation in the Salmon Falls Creek Basin have been successful only locally as shown on Figure 1. Over half of the wells drilled for irrigation supply are unused because of inadequate yields or high pump lifts. In a large part of the area depth-to-water exceeds 500 feet.

In the early 1960's the groundwater potential of the Salmon Tract was investigated in a cooperative study with the Geological Survey and Idaho Department of Water Resources. Seven exploratory test wells were drilled on the tract. Results of drilling are shown in Table 1 and on logs of the seven wells which are appended. None of the test wells found an aquifer suitable for an irrigation supply. Results of the study are published in Water Supply Paper 1879-D (Crosthwaite, 1969). Crosthwaite concluded that groundwater potential in the Salmon Falls Creek Basin is not adequate for project supply wells.

Table 1.-- U.S. Bureau of Reclamation Test and Observation Wells Drilled on the Salmon Falls Tract (Crosthwaite, 1969)

Well No.	Depth (ft)	Diam-eter (in)	Depth to water, (feet below land surface)	Purpose	Remarks
11S-15E-7ac2	347	8-6	225	Observation well and geologic data.	Well might yield 10 gpm.
11S-17E-25dd1	348	20	92	To determine yield.	Yields about 50 gpm with 150 ft drawdown
11S-17E-25dd2	352	8	88	Observation well and geologic data.	Probably would yield 100 gpm.
12S-15E-22bd1	638	8-6	512	Position of water table and geologic data.	Yield not tested, but probably adequate for stock purposes.
13S-16E-10dd1	775	20-16-12	80	Geologic information and yield data.	Yield 280 gpm with 140 ft of drawdown.
13S-16E-30ab1	340	8-6	114	Position of water table and geologic data.	Might yield 10 gpm
14S-15E-28ba2	455	8-6	95	Observation well and geologic data.	



Revised from U.S. Geological Survey W.S.P. 1879D., 1968

Figure 1 --- Location of selected wells and contours of depth to water table, Salmon Falls Creek Unit Area.

MICROFILMED

Geology

Rhyolitic rocks of the Idavada Volcanics occur as basement rock under the tract. The formation outcrops in the Rock Creek Hills, south and east of the tract and intermittently in the deep canyons cut by Salmon Falls Creek and the Snake River. Permeability of the silicic rocks is highly variable mostly dependent on the extent of jointing and fracturing due to faulting. A few good wells immediately east of the Salmon Falls Reservoir are in an area of mapped faulting (Crosthwaite, 1969). Massive zones of the rhyolitic rocks yield little water. Thin zones of alluvium fill topographic lows on the rhyolite surface. The alluvium is not an important aquifer because of low permeability, limited areal extent, and thickness.

Basalt flows which may be in part slightly older than the basalts which form the Snake Plain aquifer, is the bedrock under most of the tract. Permeability is highly variable and much of this unit is above the water table. Where saturated, the basalt yields small amounts of water to wells.

Groundwater Potential

Groundwater underflow under the tract of 200,000 to 300,000 acre-feet per year (Crosthwaite, 1969) moves northward and discharges into the Snake River system (Fowler, 1960). Crosthwaite determined that in 1960 about 8,000 acre-feet was withdrawn from groundwater. Based on the number of additional irrigation wells drilled since 1960, present pumpage is estimated to be 10,000 acre-feet per year.

Yields of irrigation wells in the tract range from under 200 to 1,800 gallons per minute (gpm). Pumping drawdown ranges widely and exceeds 100 feet in poorer wells. Pumping lifts range from about 100 to over 500 feet. The lower range of pump lift is in areas which benefit from losses from the reservoir, canal system, and irrigation. Specific capacities[1/] of wells range from less than 1 to about 50 gpm/foot drawdown and average about 10. In comparison the specific capacity of a well on the Snake Plain often exceeds 1,000 gpm/foot drawdown.

Although a groundwater supply underlies the tract, the lack of permeable aquifers and uneconomical pump lift over much of the tract prevents its use for project supply wells.

1/ Specific capacity--relative indicator of well and aquifer performance given as yield (gpm) per foot of drawdown.