Contor, Bryce

From: Contor, Bryce

Sent: Wednesday, July 11, 2001 5:39 PM

To: Shaff, Don

Subject: MLWU Layout

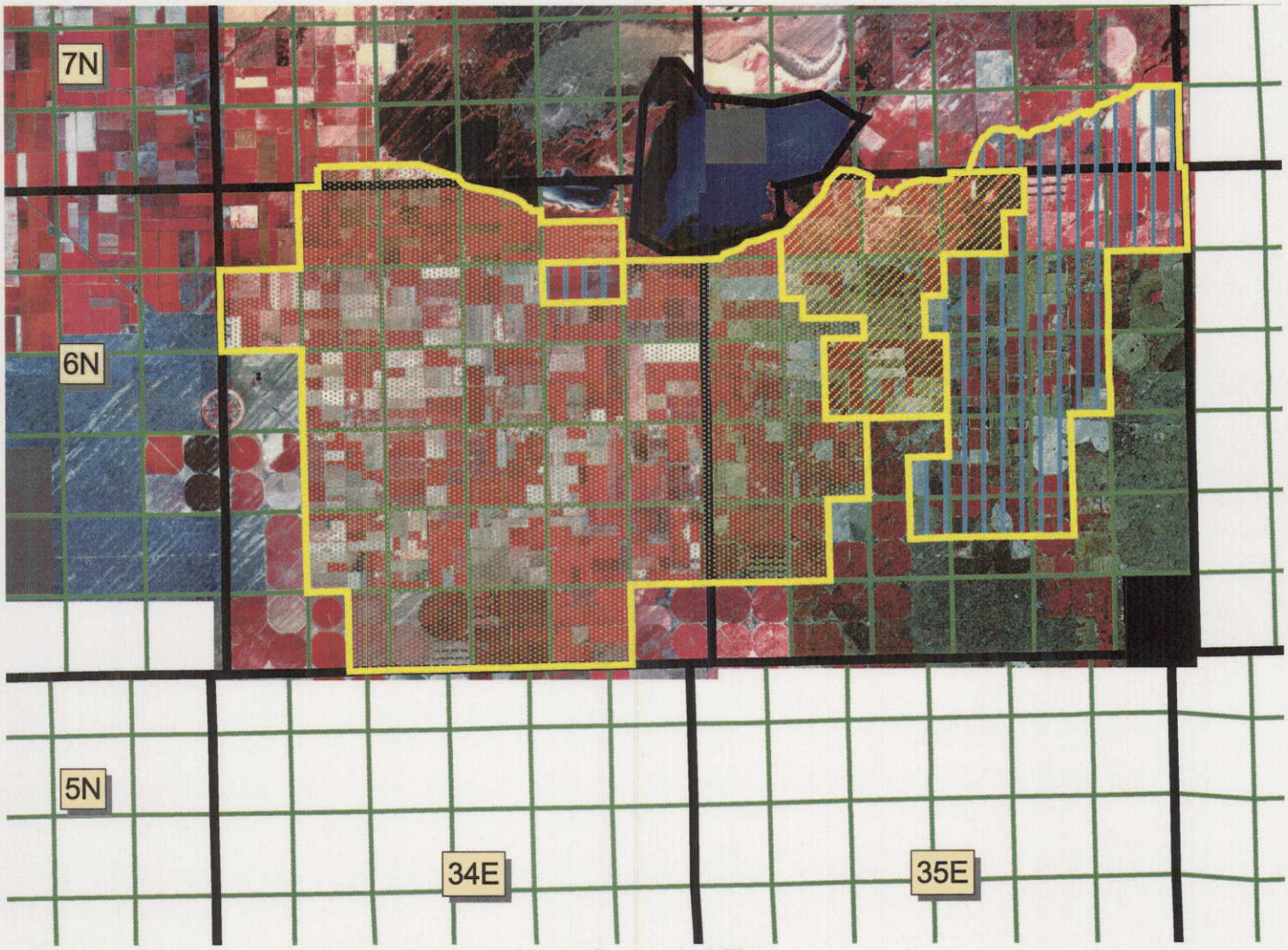
On AE02 "X" drive layouts, B31 folder. MLWU New in three formats (as this is going before the court we may actually want it to look nice, which is mutually exclusive with JPG format). Also a hard copy printed to Joan's Printer (Fiscal 101).

Bryce Contor
Idaho Department of Water Resources
bcontor@idwr.state.id.us
bcontor@hotmail.com

Idaho Department of Water Resources

Mud Lake Water Users
Service Area

Township 6N Range 34E, 6N Range 35E,
7N Range 34E, 7N Range 35E



1 0 1 Miles

- Holley Division
- Jackett Division
- Owsley Division
- Township
- Section

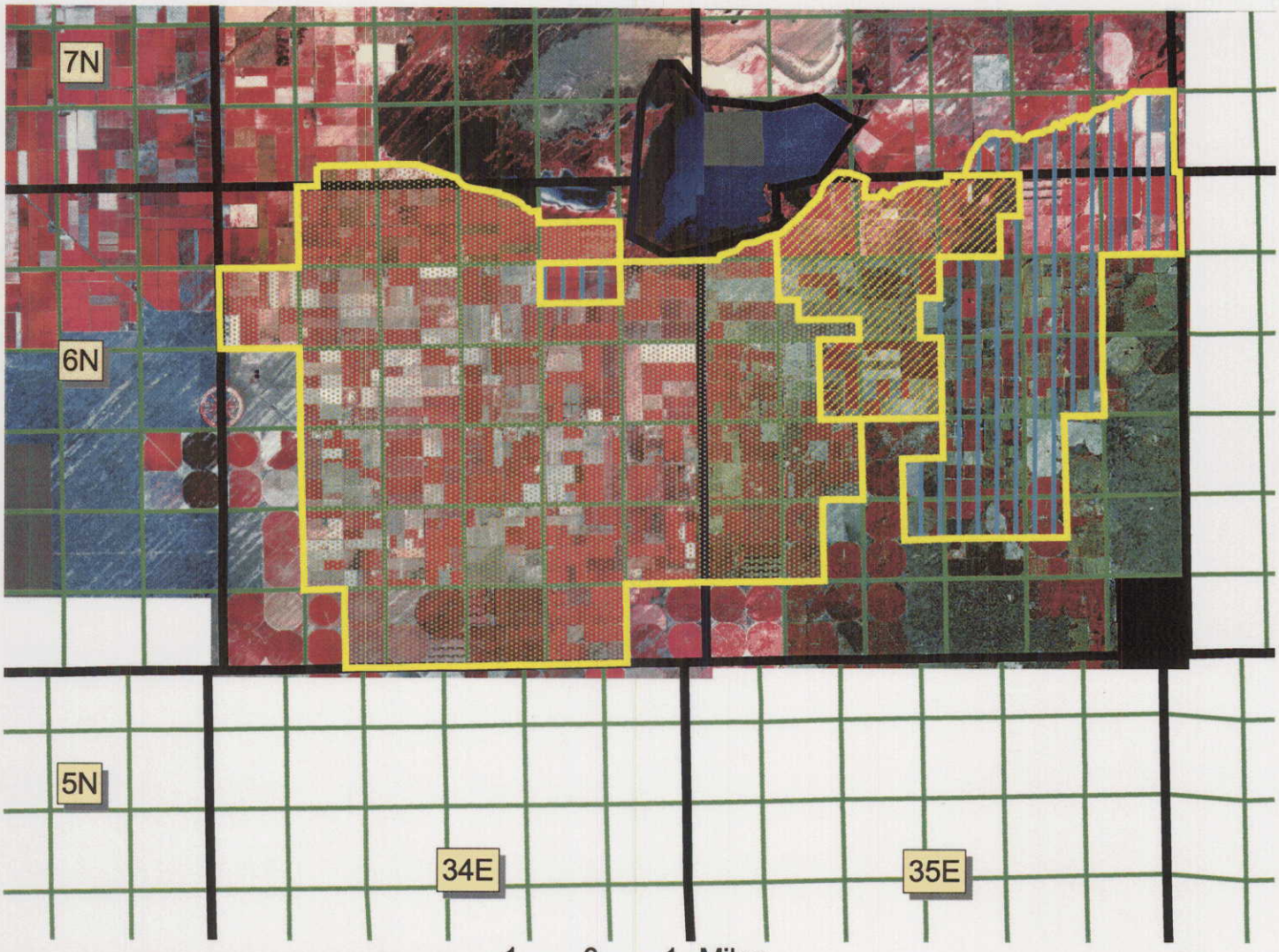
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GIS Illustration prepared from 1987/1988 NAPP photography by B. Contor 7/2001

Idaho Department of Water Resources

Mud Lake Water Users
Service Area

Township 6N Range 34E, 6N Range 35E,
7N Range 34E, 7N Range 35E



GIS Illustration prepared from 1987/1988 NAPP photography by B. Contor 7/2001

State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

MEMORANDUM

To: Deena Teel
Bureau of Land Management
FAX 525-7505
Fr: Bryce Contor
Date: 2/12/2001

Bryce A. Contor

Re: Tentative Service Area for Mud Lake Water Users

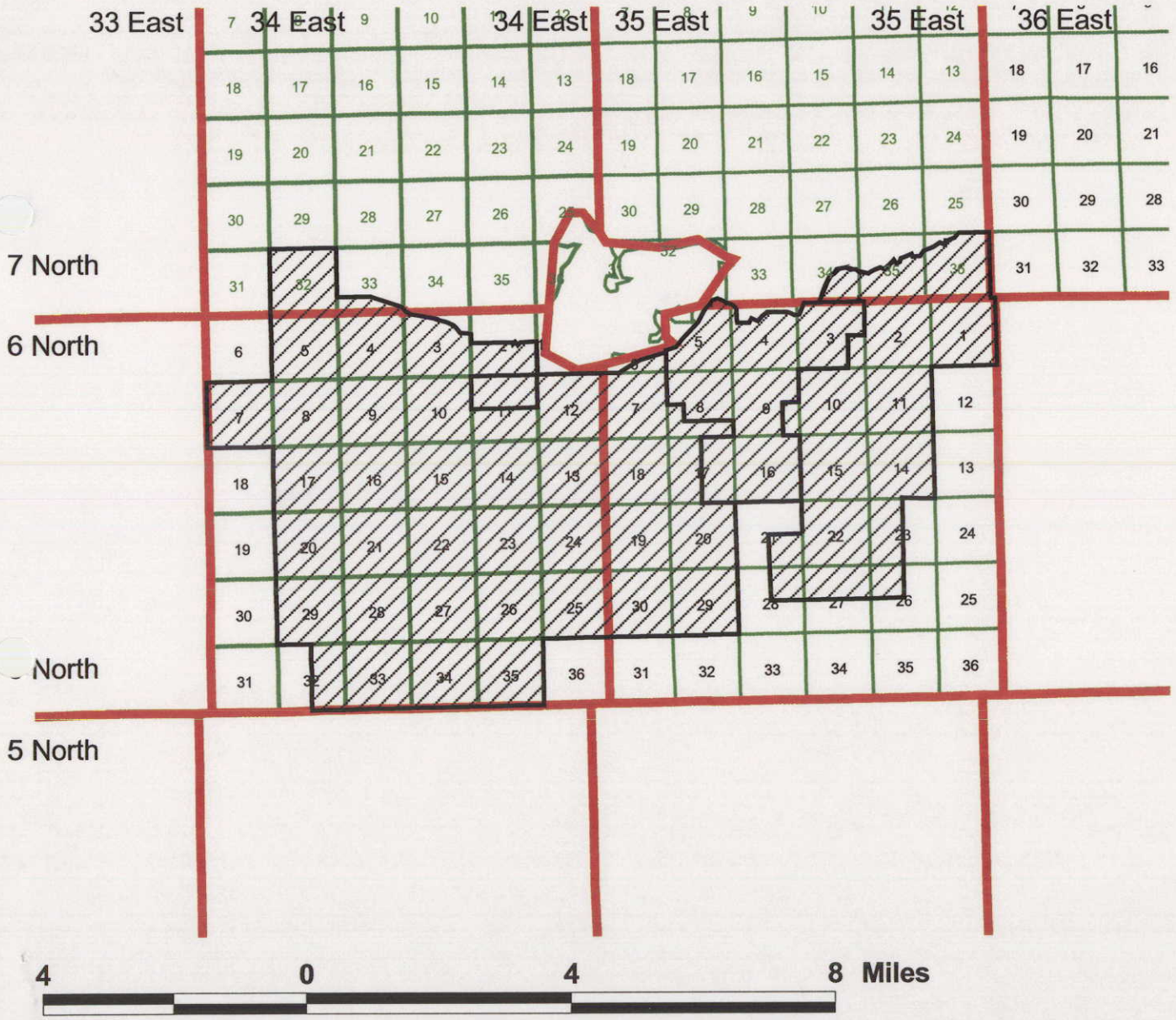
Could you please review the attached map and let me know of any potential conflict with BLM lands?

You may call me at 525-7161, FAX a response to 525-7177, or e-mail bcontor@idwr.state.id.us. I'll be in until about noon today, until 2:30 PM tomorrow.

Thank you.

Post-it® Fax Note 7671	Date 2/2/01	# of pages ▶ 2
To Deena Teel	From B Contor	
Co./Dept. BLM	Co. IDWR	
Phone #	Phone # 525-7161	
Fax # 524-7505	Fax # 525-7171	

Tentative Mud Lake Water Users Service Area



Theme1.shp
Mlwularge.shp
Tandr.shp
S07n34e.shp
S06n34e.shp
S07n36e.shp
S07n35e.shp

N
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S



MEMORANDUM

To: Mud Lake Water Users General File
A31-332
A31-11430
A31-11432
Fr: Bryce Contor
Date: 2/23/2001

Re: Office visit

Today I visited in the office with chairman Jerry Messerli, retired chairman Garth Soderquist, and manager Shawn Grover.

We discussed the attached memo on loss calculations and total recommended volumes. I told them that the current recommendations totaled about 195,000 acre feet but that I felt this was an error. Based on the transfer, the calculations of actual need, and the calculations of capacity, I should have added a combined use limitation to the 174,195 acre feet authorized by transfer 5335.

There are two reasons for this proposed combined limitation: 1) My charge is to recommend the water rights as accurately as possible, and this appears to more accurately reflect historical usage. 2) The 174,195 acre feet figure is defensible against objection because it was approved in a post-1987 formal transfer, and any objectors have already had due process during that administrative action.

We carefully reviewed the calculations, and it appears that 174,195 acre feet is adequate to meet the irrigation needs, losses in canals from the lake to place of use, losses in the lake, and losses from the points of diversion to the lake. It is true that the company also holds surface rights, but there are years in which little or no surface water is available, so the well rights must be adequate to provide all the company's needs.

The three gentlemen here today felt this would be acceptable, but they want to take it back to the board. I suggested it might be worthwhile to have a professional engineer review the loss calculations, and told them I had to have any requests for change back by March 20.

The tentative decision is that unless the board and/or the consultant disagree, I will add the combined use limitation but otherwise recommend the rights as proposed in the preliminary. Because I didn't catch the need for the combined use limitation early-on, and include it on the preliminary report, I feel I shouldn't add it now if they disagree.

MEMORANDUM

To: Mud Lake Water Users General File
31-11430 31-332
31-11432
Fr: Bryce Contor
Date: 2/17/01
Re: Loss Calculations

I. Loss in Lake

Watermaster Records, 1996, show 29,730 acre ft. lake loss.
GW recommendations via lake total:

MLWUA	24,261.3
Independent + Osbsorn	4,109.0
	28,370.3 acres

Loss/acre = 29,730/28,370.3 = 1.05 acre ft/acre
24,261.3 x 1.05 = 25,474.4 acre feet.

II. Loss in Canals fr. Lake to Places of use

a) Jackett - $\frac{3 \text{ miles} \times 5280 \text{ ft} \times 20 \text{ ft}}{43560 \text{ ft}^2/\text{acre}} = 7.3$ acres

b) Holley - $\frac{5 \text{ miles} \times 5280 \text{ ft} \times 25 \text{ ft}}{43560 \text{ ft}^2/\text{acre}} = 12.2$ acres

c) Owsley - $\frac{14 \text{ miles} \times 5280 \text{ ft} \times 40 \text{ ft}}{43560 \text{ ft}^2/\text{acre}} = 67.9$ acres

Total $87.4 \text{ acres} \times 0.2 \text{ in/hr}^{*} \times 1 \text{ ft}/12 \text{ in} \times 24 \text{ hrs/day} = 35.0 \text{ cf/day}$

$35 \text{ acre ft/day} \times 185 \text{ days} = 6,475 \text{ acre ft.}$

III. Field headgate requirement

$24,261.3 \times 3.5 = 84,914.6 \text{ acre ft.}$

IV. Total Required in Lake (Delivered to Lake)

Lake loss	25,474.4	acre feet
Canal loss	6,475.0	acre ft
Field headgate	84,914.6	acre ft
	116,864.0	acre ft.

V. Required at Pump

Watermaster records indicate up to 39% loss in Independent / Jackett Ditch. Holley & Owsley wells are right on Camas Creek & therefore no loss is allowed. North Lake ditch looses up to 20.4% per USGS study.

These losses are pro-rated to required

* upper range for Tenetom loam from soil survey.

acre feet by proportion of pumping capacity &/or original acres.

Assume North Lake ≈ 1/3 of Owsley capacity, x 17800 original owsley acres = 5933 acres

Jackett ≈ 3100 acres per merger documents.

North Lake requirement = 116864 x 5933/24261 = 28,600
28,600/(100% - 20.4%) = 35,930 acre ft

Jackett Requirement = 116864 x 3100/24261 = 14,933
14,933/(100% - 39%) = 24,480 acre ft

Bybee/Holley = 116864 - (28,600 + 14,933) = 73,331

Total Req. @ diversions

Jackett	24,480
North Lake	35,930
Bybee/Holley	73,331
Total	133,741 acre ft.

VI. Max volume during irr. season at max rate

503 x 1.9835 x 185 = 184,575

MLWU p 4

VII. Required volume for Early pumping

Watermaster records show 26,394 acre ft stored in lake in 1991.

Previous calculations showed requirement of 26,434 (from MLWU) required to fill lake in a dry year.

VIII. 61 day volume + 185-day volume at 1995 capacity

310 Owsley + Decker (from 1995 early-pumping records)

47 Holley (from decreed rates)

357 cfs

357 × 1.9835 × 61 = 43,195

357 × 1.9835 × 185 = 131,000

174,195

IX. Authorized volume per T 5335 is 174,269.3

Proposed volume for Dem. Use claims is an additional 21,434

MLWA PS

Total proposed volume = 195,703 ←

Total capacity (1995) = 174,195 ★

Total requirement @ well = 133,741 ←

12000

600 . 503

174000 707 360 cfs

246

44

250000
3.5

750000
125000
87500
.70

1125000

90,000

25000
6

150,000

Summary of MCWA Surface Water Recommended Volumes

B. Coxton 2/17/2001

31-2276	Wastewater. Vol. for License. Not avail from lake, not incl. in totals		44.3

Owsley Division fr. Lake

31-6	Decreed.	1.4 x 2 x 123	344.4
31-34	Decreed	3.2 x 2 x 123	787.2
31-35	Decreed	6.4 x 2 x 123	1574.4
31-36	Decreed	9.6 x 2 x 123	2361.6
31-37	Decreed	6.4 x 2 x 123	1574.4
31-38	Decreed	0.8 x 2 x 123	196.8
31-52	Decreed	2.5 x 2 x 123	615
31-65	Decreed	3.0 x 2 x 123	738
31-104	Decreed	3.0 x 2 x 123	738
31-105	Decreed	1.6 x 2 x 123	393.6
31-147A	Decreed	4.0 x 2 x 123	984
31-159	Decreed	2.44 x 2 x 123	600.2
31-162	Decreed	1.0 x 2 x 123	246
31-163	Decreed	1.0 x 2 x 123	246
31-166	Decreed	1.72 x 2 x 123	423.1
31-168	Decreed	1.6 x 2 x 123	393.6
31-169	Decreed	1.6 x 2 x 123	393.6
31-184	Decreed	80.8 x 2 x 123	19876.8
31-185	Decreed	72.6 x 2 x 123	17859.6

31-186	75 x 2 x 123	18450
31-187	25 x 2 x 123	6150
31-188	1.6 x 2 x 123	393.6
31-232	1.6 x 2 x 123	393.6
31-237	2.4 x 2 x 123	590.4
31-263	2.68 x 2 x 123	659.3
31-363	6.4 x 2 x 123	1574.4

Total of Owsley Division Surface rights 78557.6 af

78557.6 / 17818 = 4.41 af/acre

Jackett Division

31-134	3.5 x 2 x 123	861
31-135	2.5 x 2 x 123	615
31-143	1.0 x 2 x 123	246
31-144	1.0 x 2 x 123	246
31-190	5.9 x 2 x 123	1451.4
31-192	3 x 2 x 123	738
		4157.4

Total of Jackett Division Surface rights

41574 / 3107.3 = 1.34 af/acre

MLWU Suf. p3

Holley Division

31-134	1.7 x 2 x 123	418.2
31-345	0.8 x 2 x 123	196.8
31-354	0.8 x 2 x 123	196.8
31-355	0.8 x 2 x 123	196.8
31-360	3.0 x 2 x 123	738.0
31-361	2.4 x 2 x 123	590.4
31-10957	2.5 x 2 x 123	615.0
31-10958	2.7 x 2 x 123	664.2
31-10959	7.98 x 2 x 123	1963.1
31-10960	2.36 x 2 x 123	580.6
31-10961	6.18 x 2 x 123	1520.3
31-10962	1.94 x 2 x 123	477.2
	Total	8157.4

8157.4 / 2978 acres = 2.74 af/acre

Total for MLWU	cfs	acres
Owsley division	78,557.6	17818.1
Jackett division	4,157.4	3107.3
Holley division	8,157.4	2978.1
	90,872.4	23,903.5

90,872.4 / 23,903.3 = 3.80

Summary of MCWD Diversion/Volumes - GW recommended

2/17/2001 B. Coulton

31-327
31-328
31-329
31-330
} Original Owsley GW rights

Condition 11 of T 5335 limits the above to 200 afs during irrigation season. Proposed amendment to transfer: 5/1 through 11/1 = 185 days

200 x 1.9835 x 185 = 73,389.5

31-331 Holley 24 afs

24 x 1.9835 x 185 = 8,806.7

per Barnaby

31-336B Ind/Fackett

1/1.05 x 1.9835 x 185 4,054.8

31-337B Merritt M. Owsley

17 x 1.9835 x 185 6,238.1

31-371 Holley

23 x 1.9835 x 185 8,439.8

31-2239 License

40 x 1.9835 x 185 14,677.9

MLWU Volume-GW p 2

31-2265	license	
	64.4 x 1.9835 x 185	23,631.4
31-2289	license	
	160 acres x 3.5 afa	560.0
31-2290	license	
	240 acres x 3.5 afa	840.0
31-2297	license	
	340 acres x 3.5	1190.0
31-2310	license	
	290 acres x 3.5	1015.0
31-2317A	license	
	404 acres x 3.5	1414.0
31-2317B	license	
	95 acres x 3.5	332.5
31-2321	license	
	96 acres x 3.5	336.0
31-2341	license Volume per T 5335	5839.4
	(16 x 1.9835 x 184)	

MLWU Volume-GW p 3

31-2343 license. Volume per T 5335 5839.4
(16 x 1.9835 x 184)

31-2344 license. Volume per T5335 5839.4
(16 x 1.9835 x 184)

31-2345 license. Volume per T5335 5839.4
(16 x 1.9835 x 184)

31-7005 license. Volume per orig. license 5986.0
note logical discrepancy -
licensed period = 4/1 to 11/15 = 199 days
13.26 x 1.9835 x 199 = 5233.9 af.

Total of recommended GW volumes = 174,269.3
(503.21 cfs limit for Transfer condition
9: 503.21 x 1.9835 x 185 = 184,651.7
13.26 x 1.9835 x 14 = 368.2
Total 185,019.9)

Volume of storage right 31-332 5,000.0
(avail. for early pumping volume)

Beneficial use volumes (avail for early pump) 21,434.0
31-11430, 31-11432 Combined limitation

Total GW Volume 200,703.3
200,703.3 / 24,261.3 = 8.55 af/acre

MLWU Volumes-GW-# 4

Early pumping capacity @ 643.21:

643.21 x 1.9835 x 61 = 77,800 acre ft

Contor, Bryce

From: Contor, Bryce
Sent: Wednesday, January 10, 2001 11:29 AM
To: Carlsen, Ernie
Cc: McHugh, Candice
Subject: MLWU GW rights.

If I use as a rule "include the entire section if T 5335 authorized use within the section," the shape looks somewhat reasonable and exceeds 25000 acres. Is this enough of a handle to use a shape?


6 5 4 3 2 1 6 5 3 2 1
7 8 9 10 11 12 7 8 9 10 11 12
18 17 16 15 14 13 18 17 16 15 14 13
19 20 21 22 23 24 19 20 21 22 23 24
30 29 28 27 26 25 30 29 28 27 26 25
31 32 33 34 35 36 31 32 33 34 35 36
6 5 4 3 2 1 6 5 4 3 2 1
7 8 9 10 11 12 7 8 9 10 11 12
18 17 16 15 14 13 18 17 16 15 14 13
19 20 21 22 23 24 19 20 21 22 23 24
30 29 28 27 26 25 30 29 28 27 26 25
31 32 33 34 35 36 31 32 33 34 35 36

ost-it® Fax Note 7671 | Date 1/3/01 | # of pages ▶ 4
To Kent Foster | From B Contor
Co./Dept. | Co. IDWR
Phone # | Phone # 525 7161
Fax # 523 9518 | Fax #

UNITED STATES DEPARTMENT OF THE INTERIOR
Harold L. Ickes, Secretary
GEOLOGICAL SURVEY
W. C. Mendenhall, Director

Water-Supply Paper 818

GEOLOGY AND WATER RESOURCES
OF THE
MUD LAKE REGION, IDAHO
INCLUDING THE ISLAND PARK AREA

BY

HAROLD T. STEARNS, LESTER L. BRYAN,
AND LYNN CRANDALL

Prepared in cooperation with the

UNITED STATES DEPARTMENT OF THE INTERIOR GENERAL LAND OFFICE,
IDAHO DEPARTMENT OF RECLAMATION, and IDAHO
BUREAU OF MINES AND GEOLOGY

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1939

For sale by the Superintendent of Documents, Washington, D. C. - - - - - - Price 75 cents

daily discharge, furnished by D. I. Gardner, watermaster, are as follows:

Average daily discharge of Holly Water Users wells, April 1931 to September 1932, in second-feet

1931:		1932:	
April	15	January	13.0
May	16.1	February	11.0
June	16.4	March	10.0
July	14.7	April	10.0
August	15.3	May	9.5
September	16.0	June	9.4
October	16.0	July	11.4
November	16.0	August	13.6
December	15.0	September	14.4

The Jackett flowing wells, consisting of four wells north of Mud Lake, are reported to have been drilled in 1931 to a depth of about 30 feet. They discharge from 4 to 6 second-feet into the outlet channel from Dead Line Lake and thence into Mud Lake.

The Owsley Canal Co.'s flowing wells, which discharge into Camas Creek just above West Hamer Bridge, first delivered water in December 1931. In December 1932 they consisted of a group of 10 wells averaging about 46 feet deep and most of them 10 inches in diameter, of which 8 were in operation. The following observations of their discharge are reported by the Mud Lake water master.

Average daily discharge of Owsley Canal Co.'s wells, December 1931 to September 1932, in second-feet

1931:		1932:	
December 13–31	23	May	34
1932:		June	35
January	23	July	36
February	18	August	35
March	12	September	37
April	13		

The low discharge from February to April 1932 was due to the wells being partly shut off by means of a brush dam in the outlet channel leading away from the group of wells.

Two wells (nos. 69 and 67) were drilled about 1919 near the shore of Market Lake for drainage, and both of them encountered artesian water. The log of well 69 is given on page 110. The artesian head in this well fluctuates from only a few inches to a foot above the land surface. Well 67 is 197 feet deep, and the artesian water was struck

at 123 feet. According to Dr. E. D. Jo
the well was last used the water rose in a
a water wagon. These wells are essentia
the artesian water apparently confined
beds.

GROUND-WATER R

RECHARGE FROM PRE

The relatively impervious basement r
are overlain to a large
products, and depos
permeable that they
rain and melted snow
the rain and snow th
atmosphere by capill
vegetation, but the w
zones reaches the wa
as a whole indicates t
Lake region only abo
zone of saturation.

RECHARGE FROM STREAMS IN

All the streams that flow from the
Mountains lose water as soon as they re
part of the loss can be attributed to eva
wet ground bordering the streams or t
Some of the streams are diver
but much of the water s
the ground-water
irrigation is practi
computed for each s
and the estimated c
A comparison of th
Dubois and Cama
obtained at the D
but the depletion
the relation in pri
between Dubois
Lone Tree Reser
lack of complete r
it is not possible t

E-2-21

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GROUND WATER BRANCH

[Idaho:

RECORDS OF WELLS IN WESTERN JEFFERSON COUNTY, IDAHO] 1953

By

J. T. BARRACLOUGH (author)

THIS REPORT HAS NOT BEEN EDITED FOR CONFORMANCE WITH U. S. GEOLOGICAL SURVEY EDITORIAL STYLE AND USE OF STRATIGRAPHIC AND GEOGRAPHIC NAMES

PREPARED IN COOPERATION WITH
THE IDAHO DEPARTMENT OF RECLAMATION,
MARK R. KULP, STATE RECLAMATION ENGINEER.

BOISE, IDAHO
~~APRIL~~ JUNE 1953

7N 35E-25CA. NE¼SW¼ SEC. 25. OWSLEY CANAL COMPANY. GROUP OF 24 IRRIGATION WELLS; DRILLED BETWEEN 1931 AND 1938 BY COPE BROTHERS (EXCEPT ONE 12-INCH WELL BY WAGONER); DEPTHS OF 23 WELLS RANGE FROM 42 TO 65 FEET; ONE WELL IS 300 FEET DEEP; 6-INCH TO 16-INCH DIAMETER; TWO 125-HP ELECTRIC MOTORS AND TWO 36-INCH CENTRIFUGAL PUMPS. DISCHARGE: 1948, ABOUT 140 CFS (63,000 GPM); DRAWDOWN, ABOUT 5 FEET WHEN PUMPING ABOUT 95 CFS. WELLS DISCHARGE BY FLOW INTO COLLECTING CANAL, IN THE BOTTOM OF WHICH THE WELLS ARE LOCATED, AND THE WATER IS PUMPED INTO MAIN LATERAL CANAL. SITUATED ON ROLLING PLAIN. YIELD REPORTED ADEQUATE. PRINCIPAL AQUIFER, CREVICED BASALT; WATER UNDER LOW ARTESIAN PRESSURE. MEASURING POINT: LAND-SURFACE DATUM. WATER LEVEL: SEPT. 25, 1948, FLOWING INTO CANAL ABOUT 10 FEET BELOW LAND-SURFACE DATUM. FLOW FROM WELLS IS INDUCED BY PUMPS, WHICH KEEP THE WATER LEVEL IN THE CANAL, IN WHICH THE PUMPS ARE SITUATED, BELOW THE LEVEL OF THE ARTESIAN PRESSURE SURFACE OF THE AQUIFER.

*6N 32E-36ADI (FORMERLY 178). SE¼NE¼ SEC. 36; 55 FEET N AND 204 FEET W OF E¼-COR. SEC. 36. U. S. ATOMIC ENERGY COMMISSION. OBSERVATION; DRILLED BY A. D. STOVER BEFORE 1921; CLEANED AND DEEPENED BY R. J. STRASSER AND SONS OCT. 20, 1950; DEPTH 1949, 292 FEET; 1950, 310 FEET; 8-INCH CAST-IRON PIPE TO 6 FEET, 4-INCH IRON CASING TO ABOUT 286 FEET; NO PUMP. SITUATED ON FLAT PLAIN. PRINCIPAL AQUIFER, BASALT AND SAND. MEASURING POINT: TOP OF IRON CASING AT NORTH SIDE; ALTITUDE. ABOUT 4,787.6 FEET; 2.1 FEET ABOVE LAND-SURFACE DATUM. REFERENCE MARK: TOP OF USGS BRASS PLATE SET IN CONCRETE, 127 FEET SOUTH AND 5 FEET WEST OF WELL; ALTITUDE 4,786.8 FEET. WATER LEVEL: SEPT. 20, 1951, 227.1 (4,565.5).

6N 33E-2AA1. NE¼NE¼ SEC. 2. STEWART BROTHERS. DOMESTIC AND STOCK; DRILLED IN FALL 1946; DEPTH ABOUT 210 FEET; 6-INCH IRON CASING TO 95 FEET; 1½-HP ELECTRIC MOTOR AND FORCE PUMP. SITUATED ON FLAT PLAIN. YIELD REPORTED ADEQUATE. WATER REPORTED MODERATELY SOFT. PRINCIPAL AQUIFER, BASALT. MEASURING POINT: LAND-SURFACE DATUM AT WELL SITE. WATER LEVEL: 1949, ABOUT 200.

*6N 33E-2BA1. NE¼NW¼ SEC. 2; 1,430 FEET E AND 180 FEET S OF NW COR. SEC. 2. STEWART BROTHERS. STOCK; DRILLED BY R. P. COPE BEFORE 1922; DEPTH ABOUT 245 FEET; 2-HP ELECTRIC MOTOR AND FORCE PUMP. SITUATED ON FLAT PLAIN. YIELD REPORTED ADEQUATE. WATER REPORTED OF GOOD QUALITY. LOG OBTAINED FROM DRILLER.

MATERIAL	THICKNESS (FEET)	DEPTH (FEET)
TOP SOIL	40	40
LAYERS OF CLAY AND SAND	100	140
HARD ROCK WITH SAND LAYERS	105	245

STRUCK SOFT WATER AT 245 FEET.

Theoretical Calculation to Confirm 1953 report of Owsley capacity

Bryce A. Couton 1/3/2001

$$GPM = \frac{\text{Water HP} \times 3960}{TDH}$$

$$\text{Water HP} = \frac{GPM \times TDH}{3960}$$

$$= 63 \times \frac{(5\text{ft lift} + 5\text{ft friction (assumed)})}{3960}$$

(This calculation done after speaking FAX to Foster)

$$1 = \frac{159}{.7\text{ (assumed)}} = 228$$

This well w/ report of 2 hp electric motors.

State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

MEMORANDUM

To: Mud Lake Water Users
FAX 208 663-44369
Fr: Bryce Contor
Date: 12/27/2000

Bryce J Contor

Re: Cancelled Permit

It appears that permit 17763 was decreed to Independent Water Users of Mud Lake, Inc, in the Bauerly decree. It was numbered 31-00337 by the department, from Bauerly.

This permit was cancelled by the department, but nevertheless was recognized in transfer 2303 with the original priority date of 12/15/1932. The right was split, with 31-00337A assigned to Independent Water Users and 31-00337B assigned to Jackett Canal. Transfer 5335 combined all the Jackett rights (including 31-00337B) into the Mud Lake Water Users rights. This later transfer also recognized the original permit date for this right.

Enclosed are printouts of these two water rights.

Also enclosed is a Notice of Change of Ownership to change the name of the water rights on transfer 5335 from "Owsley" to "Mud Lake Water Users." We have the necessary documentation on file, all we need is your signature and to fill in the name of Mud Lake Water Users exactly as you wish it to appear on the water rights.

Please call me if you have questions.

Post-it® Fax Note 7671	Date 12/27	# of pages ▶ 6
To MLWUE	From B. Contor	
Co./Dept.	Co. IDWR	
Phone #	Phone # 525 7161	
Fax # 208 663 4369	Fax #	

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

WATER RIGHT NO. 31-337A

Owner Type	Name and Address
Current Owner	INDEPENDENT WATER USERS OF MUD LAKE INC

Priority Date: 12/15/1932
Basis: Decreed
Status: Valid

Source	Tributary to
GROUND WATER	

Beneficial Use	From	To	Diversion Rate	Volume	Subuse Code
IRRIGATION	4/01	11/01	33 CFS		
Total Diversion			33 CFS		

Location of Point(s) of Diversion:

GROUND WATER SWSW Sec. 13 Township 07N Range 35E JEFFERSON County

IRRIGATION Use:
Acre Limit: 4945

Place(s) of use:

Place of Use Legal Description: IRRIGATION JEFFERSON County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
06N	33E	1		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40		SWNW	40		SENW	40
				NESW	40		NWSW	40		SWSW	40		SESW	40
		11		NENE	20		NWNE	7		SENE	3			
		12		NENW	40		NWNW	40		SWNW	25		SENW	40
	34E	2		NESW	40		NWSW	40		SWSW	40		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		3		SWNE	40		SENE	40						
		6		NENW	40		NWNW	39		SWNW	39		SENW	40
		11		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40		SWNW	40		SENW	40
		12		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40		SWNW	40		SENW	40
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		13		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40		SWNW	40		SENW	40
				NWSW	40		SWSW	40						
		14		NENW	40		NWNW	40		SWNW	40		SENW	40
		15		NENE	40		NWNE	40		SWNE	40		SENE	40
	35E	4		NENE	41		NWNE	41		SWNE	40		SENE	40
				NENW	5		NWNW	5		SWNW	40		SENW	40
		5		NWSW	25		SWSW	40						
		6		NESE	10		SESE	40						
		7		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	35		SWNW	35		SENW	40
				NESW	40		NWSW	35		SWSW	35		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		9		NENW	40		NWNW	40		SWNW	40		SENW	40

07N	33E	36	NENE	40	NWNE	40	SWNE	40	SENE	40
			NENW	40	SENW	40				
			NESW	40	NWSW	40	SWSW	40	SESW	40
			NESE	40	NWSE	40	SWSE	40	SESE	40
	34E	1	SESW	20						
			SWSE	5						
		31	NENW	40	NWNW	40	SWNW	40	SENW	40
			NESW	40	NWSW	40	SWSW	40	SESW	40

Total Acres: 4945

Remarks:

1. General THIS RT. WHEN COMBINED WITH 31-0336A SHALL NOT EXCEED 61.2 CFS. AC. IRR.=4943.97 TRANS. 2303.

Dates:

Licensed Date:
Decreed Date: 10/14/1940
Enlargement Use Priority Date:
Enlargement Statute Priority Date:
Application Received Date:
Protest Deadline Date:
Number of Protests: 0

Other Information:

Receipt Number(s):
State or Federal:
Owner Name Connector:
Water District Number: 31
Generic Max Rate per Acre:
Generic Max Volume per Acre:
Civil Case Number:
Old Case Number:
Decree Plantiff:
Decree Defendant:
Swan Falls Trust or Nontrust:
Swan Falls Dismissed:
DLE Act Number:
Cary Act Number:
Mitigation Plan: False

IDAHO DEPARTMENT OF WATER RESOURCES
Water Right Report

WATER RIGHT NO. 31-337B

Owner Type	Name and Address
Current Owner	OWSLEY CANAL CO
Original Owner	INDEPENDENT WATER USERS OF MUD LAKE INC

Priority Date: 12/15/1932
Basis: Decreed
Status: Valid

Source: GROUND WATER
Tributary to:

Beneficial Use	From	To	Diversion Rate	Volume	Subuse Code
IRRIGATION	4/15	10/15	17 CFS		
Total Diversion			17 CFS		

Location of Point(s) of Diversion:

GROUND WATER	SWNE	Sec. 13	Township 07N	Range 34E	JEFFERSON County
GROUND WATER	SESE	Sec. 13	Township 07N	Range 34E	JEFFERSON County
GROUND WATER	NENE	Sec. 23	Township 07N	Range 34E	JEFFERSON County
GROUND WATER	NENE	Sec. 24	Township 07N	Range 34E	JEFFERSON County
GROUND WATER	NWNE	Sec. 24	Township 07N	Range 34E	JEFFERSON County
GROUND WATER	NWNW	Sec. 24	Township 07N	Range 34E	JEFFERSON County
GROUND WATER	SWSW	Sec. 13	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SESE	Sec. 14	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SESW Lt 4	Sec. 18	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	NWNW Lt 1	Sec. 19	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SWNW	Sec. 19	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SENW	Sec. 19	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	NESE	Sec. 22	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	NWSW	Sec. 23	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SWSW	Sec. 23	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SWSW	Sec. 25	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SESW	Sec. 25	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	NWSE	Sec. 25	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	SESE	Sec. 26	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	NWNE	Sec. 27	Township 07N	Range 35E	JEFFERSON County
GROUND WATER	NENW	Sec. 36	Township 07N	Range 35E	JEFFERSON County

IRRIGATION Use:
Acre Limit: 24261.3

Place(s) of use:

Place of Use Legal Description: IRRIGATION JEFFERSON County

Township	Range	Section	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres	Lot	Tract	Acres
06N	34E	3		NENW	26		NWNW	35		SWNW	40		SENW	40
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		4		NENE	40		NWNE	40		SWNE	40		SENE	40
				NENW	40		NWNW	40		SWNW	40		SENW	40
				NESW	40		NWSW	40		SWSW	40		SESW	40
				NESE	40		NWSE	40		SWSE	40		SESE	40
		5		NENE	40		NWNE	40		SWNE	40		SENE	40

(Balance of land list not faxed)

Form 42-248/42-1409(6) July, 2000

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
NOTICE OF CHANGE IN WATER RIGHT OWNERSHIP

Please print or type. Attach pages with additional information. Instructions are included at the end of this form.
Incomplete forms will be returned.

1. Please list the water right number(s) and/or adjudication claim number(s) (if any) for each water right to be changed. List just the adjudication claim number if there is no corresponding water right record on file with the department. Indicate, by checking in the space provided, if the change in ownership is limited to a portion of a water right in which case division of the existing water right or adjudication claim record will be required.

Water Right No(s).	Adjudication Claim No(s).	Split	Water Right No(s).	Adjudication Claim No(s).	Split
All waterrights	listed on		Transfer 5335		

2. The following **REQUIRED** information must be submitted with this form:

N/A ~~A. The appropriate FILING FEE. See instructions for fee amounts.~~ On file w/ Dowse - (B Conlon)

N/A B. A copy of the most recent **DEED, TITLE POLICY, CONTRACT OF SALE** or other legal document indicating your ownership of the property and water right(s) or claim(s) in question, **WITH ATTACHED LEGAL DESCRIPTION.**

N/A C. ~~Either of the following (if necessary to~~ clarify division of water rights or other complex property descriptions): ~~PLAT OF PROPERTY~~ or SURVEY MAP clearly showing the location of the point(s) of diversion and place of use of your ~~water right(s) and~~/or adjudication claim(s) (these are usually attached to your deed or on file with the county).

OR

~~If your water~~ right(s) and/or adjudication claim(s) are for ten or more acres of irrigation, you must submit a USDA Farm ~~Service Agency~~ **AERIAL PHOTO** with the irrigated acres outlined and point(s) of diversion clearly marked. The ~~AERIAL PHO~~TO should be submitted in place of the FLAT OF PROPERTY or SURVEY MAP.

3. Name and Address of Former Owner/Claimant(s): Owsley Canal Co

4. New Owner/Claimant(s): _____

Name Connector (Check one): [ ] and, [ ] or, [ ] and/or

New Mailing Address: _____

City, State and ZIP Code: _____

New Telephone Number: ( ) _____

5. ~~Date you acquired the property~~: _____

N/A

6. If the change in ownership affects the entire water right for each water right or adjudication claim number listed in item 1, THEN SKIP THIS ITEM AND GO TO ITEM 7. If the change in ownership divides the water right(s) among multiple owners, you must describe, in detail, your portion of each water right after the change. Fill in the appropriate spaces in the box(es) below to describe your water right(s) after the change (one water right per box, you may copy this page as necessary). If your quantity of water is greater than a proportionate split, you must attach documentation to show justification for a larger amount. If you are not sure how to identify your portion of the original water right or adjudication claim records, please contact the nearest IDWR office for assistance.

DESCRIPTION OF YOUR PORTION OF WATER RIGHT
(If the right(s) will not be split, skip this area and proceed to item 7)

Water Right and/or Adjudication Claim Number _____

Water Use	Diversion Rate or Volume (cubic feet per second or acre-feet per annum)	Description (acres, number and type of stock, homes, etc)
Irrigation		
Stock		
Domestic		
Other _____		
Total		

DESCRIPTION OF YOUR PORTION OF WATER RIGHT
(If the right(s) will not be split, skip this area and proceed to item 7)

Water Right and/or Adjudication Claim Number _____

Water Use	Diversion Rate or Volume (cubic feet per second or acre-feet per annum)	Description (acres, number and type of stock, homes, etc)
Irrigation		
Stock		
Domestic		
Other _____		
Total		

7. Signature of New Owner(s) or Claimant(s) _____
(include title if applicable)

_____

For Snake River Basin Adjudication Claims: Please attach a Notice of Appearance completed by your attorney, if you wish IDWR to correspond with him/her for all matters related to your claims.

For Office Use Only
Received by _____ Date _____ Fee _____
Receipted by _____ Date _____ Receipt No. _____
Processed by _____ AJ Date _____ WR _____ Date _____

Carlsen, Ernie

From: Contor, Bryce
Sent: Wednesday, December 27, 2000 3:58 PM
To: McHugh, Candice; Baxter, Garrick
Cc: Carlsen, Ernie; Fritschle, Carter; Music, Vicky
Subject: POU for Mud Lake Water Users Inc.

The GW rights for Mud Lake Water Users are applied to the entire service area, by transfer 5335. I propose using a POU remark patterned after the Reno Ditch remark:

PLACE OF USE WITHIN THE BOUNDARY OF MUD LAKE WATER USERS, INC. TOTAL IRRIGATED ACRES 24261.3

Individual GW rights will also have acreage limitations or combined use limitations per transfer 5335.

The SW rights are more of a problem, as the merger occurred after1987, and a transfer was never filed to combine the service areas of the original three entities. After talking to Carter, I've come up with three remarks to attach to these SW recommendations, depending on the original owner of the WR:

PLACE OF USE WITHIN THE HISTORICAL BOUNDARY OF HOLLEY WATER USERS, AS IT EXISTED ON NOVEMBER 19, 1987, WITHIN THE BOUNDARY OF MUD LAKE WATER USERS, INC. TOTAL IRRIGATED ACRES 2978.

PLACE OF USE WITHIN THE HISTORICAL BOUNDARY OF THE JACKETT CANAL COMPANY AS IT EXISTED ON NOVEMBER 19, 1987, WITHIN THE BOUNDARY OF MUD LAKE WATER USERS, INC. TOTAL IRRIGATED ACRES 3107.3.

PLACE OF USE WITHIN THE HISTORICAL BOUNDARY OF OWSLEY CANAL COMPANY, AS IT EXISTED ON NOVEMBER 19, 1987, WITHIN THE BOUNDARY OF MUD LAKE WATER USERS, INC. TOTAL IRRIGATED ACRES 17818.

Various of the SW rights will have individual and perhaps combined use limitations, as well.

If you add up the acres of the three parent companies, you will find that they are 358 acres less than the acres approved in transfer 5335. However, I think these acreage limitations are legitimate; they came from the merger documents approved by the shareholders of all three companies, and they match the GIS adequately. There are a number of complex combined use limitations on transfer 5335 and it may be that even though its land list approves more acres, the operation of the limitations will serve to limit the GW to the same acreage as the SW.

Could one of you please edit these remarks & send 'em back post-haste?

Thanks.

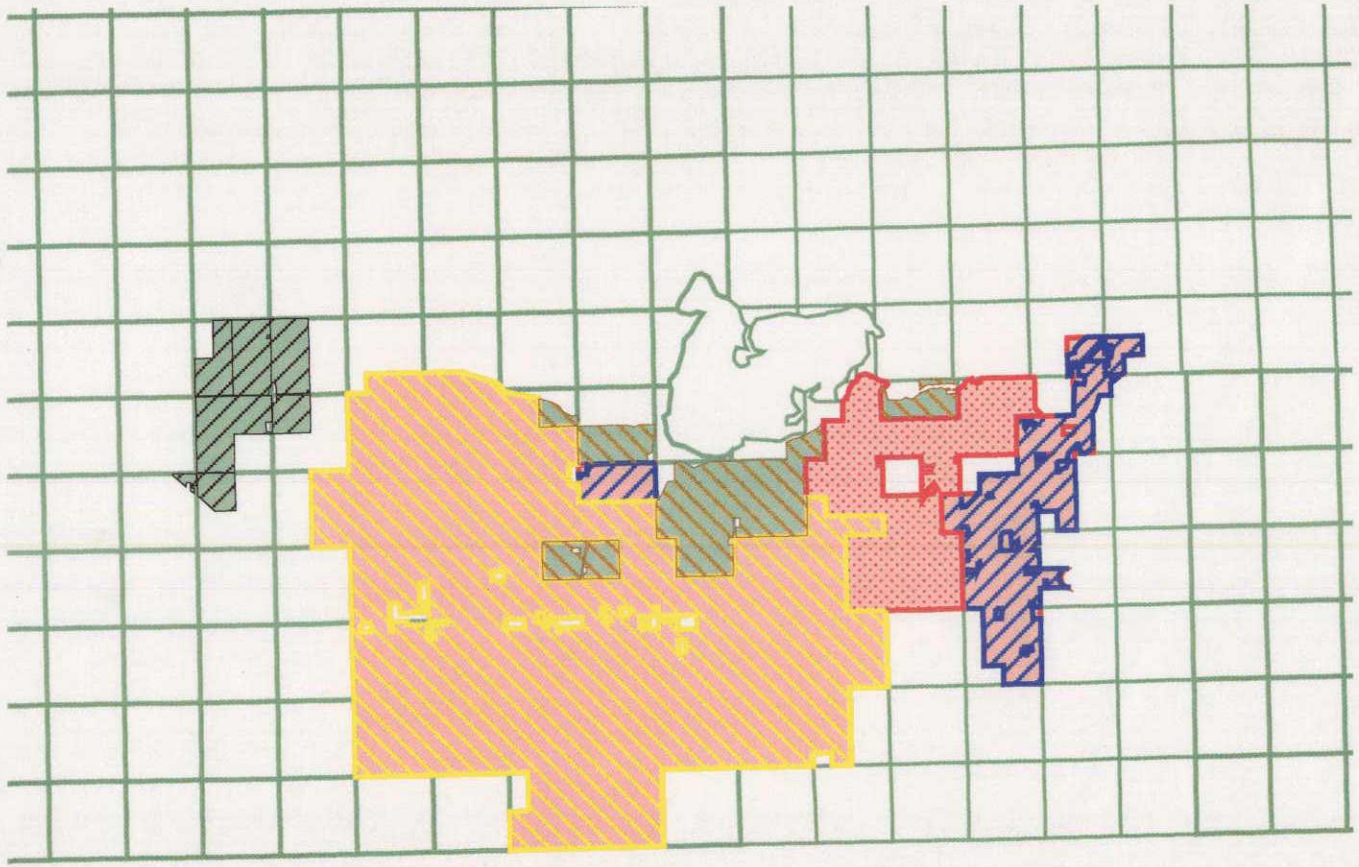
Contor, Bryce

From: Contor, Bryce
Sent: Thursday, December 28, 2000 8:18 AM
To: Carlsen, Ernie
Cc: Baxter, Garrick; McHugh, Candice
Subject: remark

How 'bout:

PLACE OF USE WITHIN THE OWSLEY SUBDIVISION, WITHIN THE BOUNDARY OF MUD LAKE WATER USERS, INC. TOTAL IRRIGATED ACRES 17818.

Surface And Ground Water Rights Delivered Out of Mud Lake



Surface Water

- Private
- Level Canal
- Owsley
- Jackett
- Holley

Ground Water

- MLWU
- Independent

2 0 2 Miles

N
W E
S

B. Contor 12/2000

Contor, Bryce

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Sent: Wednesday, December 27, 2000 3:58 PM
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Cc: Carlsen, Ernie; Fritschle, Carter; Music, Vicky
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Could one of you please edit these remarks & send 'em back post-haste?

Thanks.

MEMORANDUM

To: Glenn Saxton
Fr: Ernie Carlsen
Bryce Contor

Date: 12/07/2000

Re: Transfer 5335

Glenn this memorandum is a request to amend transfer 5335 by addressing omissions, errors and administrative changes to certain elements of the water rights. This request is based on the adjudication review of the rights identified in Transfer 5335 and our findings concerning Mud Lake storage and delivery issues.

Changes Requested:

1. Right 31-327

   Transferred priority date 00/00/0000

   Requested priority date 11/16/1931

   Basis of request: This right is based upon the Bauerly decree of 1940, which confirmed several permits to several users. Permit 17611 is the basis for decreed right 31-327. That permit was later cancelled by the department, but in a 1980's transfer proceeding with Independent Water Users, the department set the precedent of honoring cancelled or relinquished permits that had been confirmed by Bauerly. The requested priority date is the date of issuance of permit 17611.

2. Right 31-328

   Transferred priority date 00/00/0000

   Requested priority date 10/14/1931

   Basis of request: This right is also based on Bauerly (permit 17612), but the permit was relinquished rather than cancelled. The original permit application was returned to the applicant due to errors in filing. The requested priority date is the date of filing of the corrected application.

   Transferred Irrigation diversion rate 110 cfs

   Requested diversion rate 100 cfs.

   Basis of request: Bauerly decreed 100 cfs.

3. Right 31-329

   Transferred priority date 00/00/0000

   Requested priority date 1/8/1932

   Basis of request: This right was decreed as a permit by Bauerly, but was later issued as license

31-2252. The priority date is from the license.

4. Right 31-330

   Transferred priority date 00/00/0000

   Requested priority date 6/26/1936

   Basis of request: This right was decreed as a permit by Bauerly, but was later issued as license 31-2259. The priority date is from the license.

5. All rights

   Transferred season of use for irrigation 4/15 to 10/15
   Transferred season of use for diversion to storage 10/16 to 4/14

   Requested season of use for irrigation 5/1 to 11/1
   Requested season of use for diversion to storage 5/1 to 11/1.

   Basis of request: The Bauerly decree specifies the irrigation season as 5/1 to 11/1 and this has been confirmed by historical practice. The decree also states that artesian flow from wells occurring before the irrigation season is to accumulate in the lake as storage for holders of surface water rights. Historical practice has followed the decree in this respect. Allowing use to begin on April 15 changes the ownership of 15 days' flow from the artesian wells at the historically most-active period. Through a long process of research, review, and consultation with the watermaster we are proposing to retain the 5/1 to 11/1 season for all the GW rights delivered via Mud Lake.

We have just a few weeks before the Preliminary Director's Report is scheduled for mailing in Basin 31. If additional information is needed or there are questions concerning the items listed above please contact either Ernie or Bryce.

Mud Lake Allotments and Disbursements
Month: MAY

1993

Mud Lake Decreed Rights	April Draft	Right Amount	Season Allot	1 -15 Begin Balance	Draft	Loss	Total Use	End Balance	15 - 31 Draft	Loss	Total Use	End Balance
Shuldberg, K.	0	1.70	418	418	0	13	13	405	74	12	86	319
Holly Water Users	0	0	0	0	0	0	0	0	0	0	0	0
Jackett Canal Co.	0	4.50	1,107	1,107	18	34	52	1055	616	31	647	408
Owsley Canal Co.	0	73.26	18022	18022	900	549	1449	16,573	7,372	491	7863	8710
Level Canal Co.	0	1.60	394	394	0	12	12	382	371	11	382	0
Dobson Ranch	0	6.43	1582	1582	0	48	48	1,534	88	45	133	1,401
Potter, Joe	0	.80	197	197	0	6	6	191	0	6	6	185
Burtenshaw Bros.	0	0	0	0	0	0	0	0	0	0	0	0
Allotment Totals	0	88.29	21,720	21720	918	662	1580	20140	8521	596	9117	11,023

	1 -15	15 - 31
Mud Lake Gauge Beginning of Period	6.60	7.41
Mud Lake Content Beginning of Period	29,200	34,100
Mud Lake Gauge End of Period	7.41	7.05
Mud Lake Content End of Period	34,100	31,900
Total Depletion in Period	(4,900)	2,200
Camas Creek Inflow	4,800	7,884
Total Inflow To Lake For Period Well	2,250	0
Draft For Period	918	8884
Loss For Period	1,232	1,206
Loss Plus Draft For Period	2,150	10,084
Evaporation (G.H. Factor (.20) (.25)	720	900
Unaccounted For Loss	512	300
Lake Contents Less Well Storage	13,730	12,497

Date 5/8/93 sig. D. Coulter
Claim Mud Lake Storage
Doc Source Watermaster WO 31

Well Water	Beginning Balance	Flow	Loss	Draft	Total Use	End Balance	Flow	Loss	Draft	Total Use	End Balance
Owsley Canal Co. North Lake	6961	742	212	0	212	7491	0	222	0	222	7269
Owsley Canal Co. Bybees	6266	942	191	0	191	7017	0	208	0	208	6809
Burtenshaw-Holly Spillway	0	0	0	0	0	0	0	0	126	126	(-126)
Jackett Canal Co.	2567	314	78	0	78	2803	0	83	0	83	2720
Dobson Ranch (Well)	0	0	0	0	0	0	0	0	0	0	0
Ind. Water Users Assoc.	--------	(252)	----	-----	-------	-------	0	0	0	0	0
Level Canal Co. .5630	1631	142	50	0	50	1723	0	51	153	204	1519
Dobson Ranch .1931	559	49	17	0	17	591	0	18	0	18	573
Shuldberg, K. .0459	133	11	4	0	4	140	0	4	0	4	136
Potter, Joe .0290	84	7	3	0	3	88	0	3	0	3	85
Burtenshaw Bros .1690	489	43	15	0	15	517	0	15	84	99	418
Well Water Totals	18690	2250	570	0	570	20,370	0	604	363	967	19403

Mud Lake Allotments and Disbursements
Month: JUNE

1993

Mud Lake Decreed Rights	April Draft	Right Amount	Season Allot	1 -15 Begin Balance	1 -15 Draft	1 -15 Loss	1 -15 Total Use	1 -15 End Balance	15 - 31 Draft	15 - 31 Loss	15 - 31 Total Use	15 - 31 End Balance
Shuldberg, K.	0	1.70	418	319	42	22	64	255	0	54	54	201
Holly Water Users	0	0	0	0	0	0	0	0	0	0	0	0
Jackett Canal Co.	0	4.50	1,107	408	380	28	408	0	0	0	0	0
Owsley Canal Co.	0	73.26	18022	8710	2070	593	2663	6,047	4410	1280	5690	357
Level Canal Co.	0	1.60	394	0	0	0	0	0	0	0	0	0
Dobson Ranch	0	6.43	1582	1401	0	95	95	1306	32	277	309	997
Potter, Joe	0	.80	197	185	0	13	13	172	0	36	36	136
Burtenshaw Bros.	0	0	0	0	0	0	0	0	0	0	0	0
Allotment Totals	0	88.29	21,720	11,023	2492	751	3243	7,780	4442	1647	6089	1691

	1 -15	15 - 31
Mud Lake Gauge Beginning of Period	7.05	7.90
Mud Lake Content Beginning of Period	31,900	37,300
Mud Lake Gauge End of Period	7.90	6.70
Mud Lake Content End of Period	37,300	29,800
Total Depletion in Period	(5,400)	7,500
Camas Creek Inflow	10,100	3,200
Total Inflow To Lake For Period (WELL)	350	188
Draft For Period	2,978	5,442
Loss For Period	2,072	5,446
Loss Plus Draft For Period	5,050	10,888
Evaporation (G.H. Factor ( ) (.35)	1,025	1,260
Unaccounted For Loss	1,047	4,186
Lake Contents Less Well Storage	19,354	16,465

Date 5/8/00 sig. S Linton
Claim Mud Lake Storage
Doc Source watermaster
WO 31

Well Water	Beginning Balance	Flow	Loss	Draft	Total Use	End Balance	Flow	Loss	Draft	Total Use	End Balance
Owsley Canal Co. North Lake	7269	0	495	0	495	6,774	0	1434	0	1434	5,340
Owsley Canal Co. Bybees	6809	0	464	0	464	6345	0	1343	0	1343	5,002
Burtenshaw-Holly Spillway	(-126)	350	(18)	38	30	194	188	41	98	139	243
Jackett Canal Co.	2720	0	185	282	467	2253	0	477	218	695	1,558
Dobson Ranch (Well)	0	0	0	0	0	0	0	0	0	0	0
Ind. Water Users Assoc.	----0--	0	----	-----	-------	-------	0	0	0	0	0
Level Canal Co. .5630	1519	0	103	138	241	1278	0	270	658	928	350
Dobson Ranch .1931	573	0	39	0	39	534	0	113	0	113	421
Shuldberg, K. .0459	136	0	9	0	9	127	0	27	0	27	100
Potter, Joe .0290	85	0	6	0	6	79	0	17	0	17	62
Burtenshaw Bros .1690	418	0	28	28	56	362	0	77	26	103	259
Well Water Totals	19,403	350	1,321	486	1807	17,946	188	3799	1000	4799	13,335

Final Allocation

Mud Lake Allotments and Disbursements

Month: July

1993

Mud Lake Decreed Rights	April Draft	Right Amount	Season Allot	1 -15 Begin Balance	1 -15 Draft	1 -15 Loss	1 -15 Total Use	1 -15 End Balance	15 - 31 Draft	15 - 31 Loss	15 - 31 Total Use	15 - 31 End Balance
Shuldberg, K.	0	1.70	418	201	92	27	119	300 + 82	56	33	89	293
Holly Water Users	0	0	0	0	0	0	0	0	0	0	0	0
Jackett Canal Co.	0	8.00	1,968	861	744	117	861	0	0	0	0	0
Owsley Canal Co.	0	91.26	22,450	4785	4,135	650	4785	0	0	0	0	0
Level Canal Co.	0	24.00	5,904	5510	794	748	1542	300 - 3968	318	322	640	3028
Dobson Ranch	0	7.80	1918	1,333	718	181	899	434	64	38	102	332
Potter, Joe	0	1.00	246	185	58	25	83	102	4	9	13	89
Burtenshaw Bros.	0	0	0	0	0	0	0	0	0	0	0	0
Allotment Totals	0	133.76	32,904	12875	6541	1748	8289	4586	442	402	844	3742

	1 -15	15 - 31
Mud Lake Gauge Beginning of Period	6.70	4.75
Mud Lake Content Beginning of Period	29,800	19 300
Mud Lake Gauge End of Period	4.75	5.25
Mud Lake Content End of Period	19,300	21,800
Total Depletion in Period	10,500	(2500)
Camas Creek Inflow	200	0
Total Inflow To Lake For Period Well	5,056	8956
Draft For Period	12,198	5096
Loss For Period	3,558	1,360
Loss Plus Draft For Period	15,756	6,456
Evaporation (G.H. Factor .30) ( )	840	600
Unaccounted For Loss	2,718	760
Lake Contents Less Well Storage	8,376	7532

Date 5/8/70 sig. A. Couter

Claim Mud Lake Storage

Doc Source Watermaster WD 31

Well Water	Beginning Balance	Flow	Loss	Draft	Total Use	End Balance	Flow	Loss	Draft	Total Use	End Balance
Owsley Canal Co. North Lake	5340	1834	725	4973	5698	1476	2820	129	0	129	4167
Owsley Canal Co. Bybees	5002	2646	679	0	679	6969	4626	611	3224	3835	7760
Burtenshaw-Holly Spillway	243	234	33	130	163	314	250	28	66	94	470
Jackett Canal Co.	1538	342	211	364	575	1325	1260	116	1244	1360	1,225
Dobson Ranch (Well)	0	0	0	0	0	0	0	0	0	0	0
Ind. Water Users Assoc.	--------	0	----	-----	-------	-------	0	0	0	0	0
Level Canal Co. .5630	350	0	48	0	48	(302) - 0	0	0	0	0	0
Dobson Ranch .1931	421	0	57	0	57	364	0	32	0	32	332
Shuldberg, K. .0459	100	0	14	0	14	86	0	8	0	8	78
Potter, Joe .0290	62	0	8	0	8	54	0	5	0	5	49
Burtenshaw Bros .1690	259	0	35	190	225	[302] 34	0	29	120	149	189
Well Water Totals	13335	5056	1810	5657	7467	10924	8956	958	4654	5612	14268

Level transfer 302 to Burtenshaw

Fi[redacted] Re-Allocation [redacted]

Mud Lake Allotments and Disbursements
Month: AUGUST

1993

Mud Lake Decreed Rights				1 -15					15 - 31			
	April Draft	Right Amount	Season Allot	Begin Balance	Draft	Loss	Total Use	End Balance	Draft	Loss	Total Use	End Balance
Shuldberg, K.	0	1.70	418	293	0	21	21	272	0	31	31	241
Holly Water Users	0	0	0	0	0	0	0	0	0	0	0	0
Jackett Canal Co.	0	8.00	1,968	0	0	0	0	0	0	0	0	0
Owsley Canal Co.	0	91.26	22,450	0	0	0	0	0	0	0	0	0
Level Canal Co.	0	24.00	5,904	3028	128	217	345	2683	386	302	688	1,995
Dobson Ranch	0	7.80	1,918	332	12	24	36	296	102	33	135	161
Potter, Joe	0	1.00	246	89	0	6	6	83	0	9	9	74
Burtenshaw Bros.	0	0	0	0	0	0	0	0	0	0	0	0
Allotment Totals	0	133.76	32,904	3742	140	268	408	3334	488	375	863	2471

	1 -15	15 - 31
Mud Lake Gauge Beginning of Period	5.25	5.63
Mud Lake Content Beginning of Period	21,800	24,000
Mud Lake Gauge End of Period	5.68	5.35
Mud Lake Content End of Period	24,000	22,300
Total Depletion in Period	(2,200)	1,700
Camas Creek Inflow	NONE	NONE
Total Inflow To Lake For Period	5,908	4,440
Draft For Period	2,416	3,864
Loss For Period	1,292	2,276
Loss Plus Draft For Period	3,708	6,140
Evaporation (G.H. Factor (.20) (.18)	600	540
Unaccounted For Loss	692	1,736
Lake Contents Less Well Storage	7,124	6,261

Date 9/8/93 Sig. D. Coulton
Claim Mud Lake Storage Watermaster
Doc Source WD 21

Well Water	Beginning Balance	Flow	Loss	Draft	Total Use	End Balance	Flow	Loss	Draft	Total Use	End Balance	
Owsley Canal Co. North Lake	4167	180	299	2176	2475	1872	0	211	1661	1872	0	
Owsley Canal Co. Bybees	7760	4440	557	0	557	11,643	3976	1311	1319	2630	12,989	.75
Burtenshaw-Holly Spillway	470	122	34	50	84	508	22	57	52	109	421	
Jackett Canal Co.	1,225	1166	88	50	138	2253	442	254	262	516	2179	.77
Dobson Ranch (Well)	0	0	0	0	0	0	0	0	0	0	0	
Ind. Water Users Assoc.	--------	0	----	-----	-------	-------	—	—	0	—	—	.73
Level Canal Co. .5630	0	0	0	0	0	0	0	0	0	0	0	
Dobson Ranch .1931	332	0	24	0	24	308	0	35	0	35	273	
Shuldberg, K. .0459	78	0	6	0	6	72	0	8	0	8	64	
Potter, Joe .0290	49	0	3	0	3	46	0	5	0	5	41	
Burtenshaw Bros .1690	187	0	13	0	13	174	0	20	82	102	72	
Well Water Totals	14,268	5908	1,024	2276	3,300	16876	4440	1901	3376	5269	16039	

Final Re-Allocation

Mud Lake Allotments and Disbursem
Month: October

199 3

Mud Lake Decreed Rights				1 -15					15 - 31			
	April Draft	Right Amount	Season Allot	Begin Balance	Draft	Loss	Total Use	End Balance	Draft	Loss	Total Use	End Balance
Shuldberg, K.	0	1.70	418	98	0	(1)	(1)	99	0	13	13	86
Holly Water Users	0	0	0	0	0	0	0	0	0	0	0	0
Jackett Canal Co.	0	8.00	1,968	0	0	0	0	0	0	0	0	0
Owsley Canal Co.	0	91.26	22,450	0	0	0	0	0	0	0	0	0
Level Canal Co.	0	24.00	5,904	919	824	(4)	820	99	0	13	13	86
Dobson Ranch	0	7.80	1,918	0	0	0	0	0	0	0	0	0
Potter, Joe	0	1.00	246	49	0	0	0	49	42	7	49	0
Burtenshaw Bros.	0	0	0	0	0	0	0	0	0	0	0	0
Allotment Totals	0	133.76	32,904	1066	824	(5)	821	247	42	33	75	172

	1 -15	15 - 31
Mud Lake Gauge Beginning of Period	2.80	3.22
Mud Lake Content Beginning of Period	10,900	12,500
Mud Lake Gauge End of Period	3.22	2.95
Mud Lake Content End of Period	12,500	11,500
Total Depletion in Period	1,600	1,000
Camas Creek Inflow	0	0
Total Inflow To Lake For Period	4964	708
Draft For Period	3396	546
Loss For Period	(32)	116.2
Loss Plus Draft For Period	3364	1708
Evaporation (G.H. Factor (.05) (.15)	120	360
Unaccounted For Loss	(88)	802
Lake Contents Less Well Storage	4037	3962

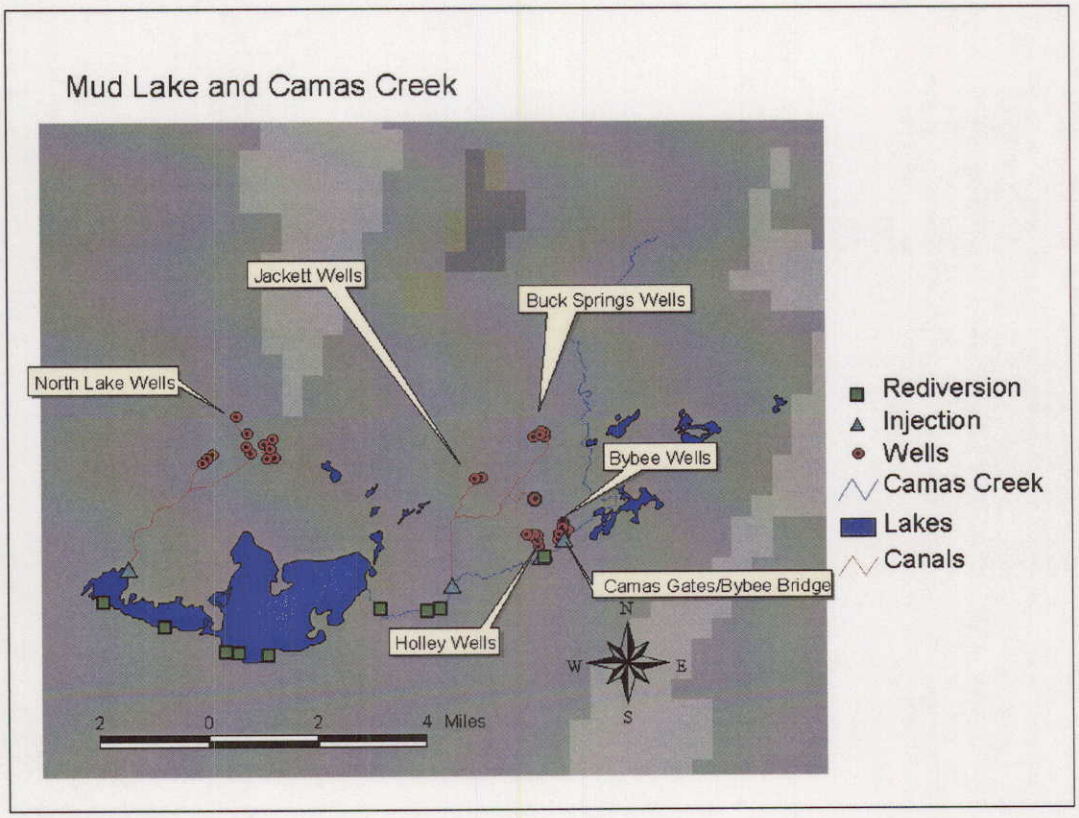
Sig. D. Carter
Date 5/8/00
Claim Mud Lake Storage
Doc Source Watermaster
WL 31

Well Water	Beginning Balance	Flow	Loss	Draft	Total Use	End Balance	Flow	Loss	Draft	Total Use	End Balance
Owsley Canal Co. North Lake	0	0	0	0	0	0	0	0	0	0	0
Owsley Canal Co. Bybees	4736	3440	(21)	2160	2139	6037	424	805	492	1297	5164
Burtenshaw-Holly Spillway	398	212	(2)	16	14	596	0	79	0	79	517
Jackett Canal Co.	955	700	(4)	334	330	1325	72	177	0	177	1,220
Dobson Ranch (Well)	0	0	0	0	0	0	0	0	0	0	0
Ind. Water Users Assoc.	--------	(612)	----	-----	-------	-------	(212)	—	—	—	—
Level Canal Co. .5630	0	345	0	0	0	345	119	46	0	46	418
Dobson Ranch .1931	(27)	118	0	0	0	91	41	12	8	20	112
Shuldberg, K. .0459	43	28	0	0	0	71	10	10	0	10	71
Potter, Joe .0290	28	18	0	0	0	46	6	6	4	10	42
Burtenshaw Bros .1690	(89)	103	0	62	62	(48)	36	(6)	0	(6)	(6)
Well Water Totals	6044	4964	(27)	2572	2545	8463	708	1129	504	1633	7538

Brief Description of Water Distribution from Mud Lake

November 20, 2000
Bryce Contor

I. DESCRIPTION OF PHYSICAL SYSTEM



Water is supplied to Mud Lake from Camas Creek, which flows from the northeast, and a number of wells. The terrain is very flat, and the water level in the lower reaches of Camas Creek is governed by lake water level rather than Camas Creek flows. Water is rediverted from the lake and the Creek at several points. It is lifted by pump into canals for distribution, or pumped directly into pipelines for sprinkler systems.

At the location "Camas Gates/Bybee Bridge" on the map are a number of components of the system. Proceeding upstream, these are:

1. Point of injection for Holley Wells. A gate on the Holley Canal can be opened to allow water from the Holley wells to enter Camas Creek.

2. Flume for Holley canal. This carries Holley Well water across Camas Creek, south to places of use.

3. Holley Camas Creek diversion/rediversion. This pump lifts surface water from Camas Creek, or re-lifts well water that has been injected into Camas Creek from the Bybee Wells, into the

Holley Canal.

4. Bybee Bridge. Where the county road crosses Camas Creek, the watermaster maintains a rated measurement station.

5. Bybee Wells point of injection.

6. Camas Creek screw gates. These gates can be closed to prevent lake water from running back upstream into Camas Creek and the interconnected lakes and ponds.

7. Camas Creek pump. This pump can lift small (approximately 10 cfs) Camas Creek flows over the screw gates to allow their use even when the gates are closed.

These features all exist within a distance of about 1/4 mile. The Bybee Bridge is about 200 yards downstream from the Camas Creek screw gates. The Camas Creek screw gates are considered to be the administrative beginning of Mud Lake.

II. HISTORICAL PERSPECTIVE

Suave vs. Abbot, 1930.

This Federal Court decree addressed Mud Lake and its surface tributaries, a few non-tributary lakes and streams, and a small number of groundwater rights. None of the non-tributary rights nor groundwater rights specifically named in Suave are claimed or delivered below the Bybee Bridge area.

For rights "having points of diversion from Mud Lake or its tributaries at points affected by the back waters of Mud Lake," an allotment system is prescribed for accounting and delivery. Key features of this system include:

1. The volume to be allocated to users includes an 18,000 acre-foot estimate for the anticipated inflows from Camas Creek during the season.

2. While the rights are described in terms of diversion rates, the operation of the allotment system effectively makes them storage rights administrated on a volume basis.

3. The decree specifies that in the calculation of the allotment, "there shall be disregarded any waters brought into Mud Lake from independent or non-tributary sources of supply."

Owlsey Canal Co. vs. Bauerly, 1940.

Watermaster records as early as 1931 document separate accounting of well water, alternately identified as "well water" and "independent supply." The record is unclear, but this "independent supply" may have originally also included water from North Lake and/or Spring Lake, which were decreed to be "non tributary."

The status of groundwater as "independent" or "non-tributary" water was challenged by holders of surface rights, who believed that wells were depleting their natural supply. The Bauerly decree addresses the status of groundwater delivered via the lake, finding that the water diverted from the wells is "only in part tributary to Mud Lake," and "is in part derived from deep underground sources of supply, wholly independent of Mud Lake and its tributaries."

Bauerly resolved this conflict by adopting a stipulated agreement that the tributary portion of well water is "the reasonable equivalent of the natural flow of said wells during the non-irrigation season of each year" and that the wholly independent portion is the "amount flowing from said wells, or that may be withdrawn

therefrom (as hereinafter limited)[1] during the irrigation season extending from May 1st to November 1st of each year."

Early-Season Pumping

Bauerly has historically been interpreted to mean that artesian flow prior to May 1 is the property of holders of surface rights, and that all well water (artesian or pumped) diverted after May 1 is the property of the holders of the groundwater rights.

This leaves a gap of the status of well water pumped prior to May 1. Former watermaster Loy Johnson stated in a telephone interview that in the 1950's, when early pumping did occur, it was accounted the same as artesian flow, as part of the "natural supply" of Mud Lake.

In the June 5, 1961 minutes of the Owsley Canal Company it is noted that "Carter of the Dept. of Reclamation told Don Shenton and Jack Gerard that the water master should give Owsley Canal Co. credit for water pumped from wells not mentioned in the decree before May 1, until someone proves differently."

In 1982, a formal agreement was signed, detailing the practice of early pumping. Provisions include:

1. Early-season pumping practice commenced "about 1960" during years of shortages.

2. Early pumping is to be administered by the watermaster, who "shall have no obligation other than to exercise his best judgement in the determinations, decisions and actions he is required to perform hereunder, after consultation with the presidents of the Canal Companies and Independent Water Users Association."

3. Early pumping is at the cost of the owners of the wells, and the water is to be measured into the lake by the watermaster and recorded "as a separate item on the record kept by him known as the 'Mud Lake Allotment Sheet,' under the heading 'Well Water Balances.'"

4. Transmission and storage losses are to be charged, but "because of the difficulty in making measurements of actual transmission and storage losses prior to May 1, the watermaster shall deduct amounts determined by the watermaster to be necessary."

5. Provision five of the agreement asserts that "said pre-irrigation season pumping shall be in lieu of any natural or artesian flows which may have occurred during the same period, and the parties hereto agree that each has a valid and existing right to engage in and continue the practice of pre-irrigation season pumping, as described herein, by virtue of the above-referenced court decrees, and having done so over a period of many years. No party claims any right other than or in addition to the rights set forth in said decrees."

   Whatever the intent of this paragraph, administration of early-season pumping has been as described below.

6. An attachment to the agreement addresses the compensation of certain individuals for the cost of operating sub pumps to deal with dike seepage attributed to "high lake levels caused by pre season pumping."

7. The agreement was to be renewed every five years. The practice has continued (as needed) but it is unclear whether the agreement has been formally renewed.

[1] The limitations referred to included limitations of diversion rate and annual volume.

III. OPERATION

Classes of Water

The watermaster maintains a ledger system known as the Mud Lake Allotment sheet, whose format has changed very little since 1931. For each user there is an accounting of "Allotment Balance" and "Well Balance." Each balance is a line entry in either the "allotment" or "well" section of the sheet, with the current number of acre feet of storage allotted to or owned by that right holder. If a user holds multiple water rights, the groundwater rights are combined in a single Well Balance entry and the surface water rights are combined in a single Allotment Balance entry. Columns on the allotment sheet represent balances at different points in time.

Allotment balances include natural inflows to the lake from surface sources, and artesian-well inflows after October 31 and prior to May 1. Well balances include all inflows from wells (whether pumped or artesian) from May 1 to November 1, and water pumped prior to May 1 per the early-pumping agreement.

Ownership of allotment balances is in priority-date order of surface rights. Volumes are as allocated by the watermaster, first in the provisional allotment and then in the final allotment, as described below. Ownership of well balances is by well owner, based on measured contributions to the lake storage.

Accounting and Allotment System

On May 1, the watermaster reads the gauge height of the lake and calculates the total volume in the lake, using a USGS rating chart. To this he adds his own estimate of anticipated Camas Creek inflows. Often this estimate is different from the 18,000 acre feet specified by the Suave decree (experience has shown that in a dry year, the Suave estimate is far too high). The watermaster subtracts an amount for dead storage, and subtracts volumes already credited to "Well Balances."[2] The result is the provisional allotment, which is allocated to holders of surface rights in order of priority. The volumes for individual rights are calculated at 2 cfs/day for 123 days.

The watermaster keeps daily records of lake levels, inflows (both natural and pumped), and of diversion volumes. Every fifteen days, he/she adjusts the Allotment Sheet. The sheet includes a section for a mass-balance calculation to determine total losses in the lake, and a section for using evaporation pan data to attribute losses to "evaporation losses" and "unaccounted losses." Diversion volumes (know as "drafts") are subtracted from the respective balances, and losses are charged against all balances, proportionally by stored volume. Well contributions during the period are added to the well balances.[3] Surface contributions are not added until the allotment is recalculated, as described below.

The watermaster also assesses the cumulative contributions of Camas Creek and the outlook for future contributions. Historically, the allotments are adjusted when Camas Creek stops flowing, at which time a "final allocation" is made, using that season's actual Camas Creek contributions in place of the estimate used in the provisional allotment.. The general perception seems to be that the watermaster could revise the provisional allotment at any of the 15-day recalculations, though the need has apparently not arisen.

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[2] While the Suave Decree uses the period May 1 to September 1 as a period for calculation, it clearly authorizes diversion before May 1 or after August 31, requiring such volumes to be subtracted from the user's balance. Logic would require pre-May volumes to be added into the allotment calculation prior to computing the balance, but the records examined did not include years when water was delivered earlier than May 1, so it is unclear whether this practice has been followed.

[3] Well contributions are measured at points of injection, so transmission losses are not charged against well balances. The reference to transmission losses in the Early Pumping Agreement refers to the fact that one of the canals is co-owned, with some users' wells further up the canal than others. Loss calculations are used to apportion water delivered at the point of injection, prior to being added to the respective Well Balances.

Typically, the final allotment is larger than the provisional allotment, so holders of the most junior rights find their allotment adjusted upwards.

Carryover

An overdraft could result from a final allotment being less than the provisional allotment, or from inadequate well pumping. A resolution in recent Water District meetings has required that "negative balances" (implying either well or allotment balance?) be charged against the following year's allotment. From the record it appears that overdrafts have ~~been~~ also been handled by a sale of allotment or well balance from one user to another.

A literal reading of Suave implies that all previous surface balances are taken to zero when the watermaster measures the content of the lake on May 1, and this has been the historical practice (except for the resolution regarding carry-over of negative balances).

The Suave exclusion of "independent" waters could be construed to allow carryover of well balances, and a November 6, 1952 memo from watermaster Henninger to Owsley Canal indicates that a well balance was carried over in that year. However, recent practice has been to <u>not</u> carry over (positive) well balances, and the 1982 early-season pumping agreement specifies that early-season pumped volumes shall not be carried forward. This understanding was confirmed by the watermaster and later by the water users at the public meeting, but the 1997, 1998, and 1999 Water District minutes do not include a specific resolution to that effect.[4]

Season of Use

General practice has been for an irrigation season of May 1 through October 31, but the watermaster and water users agree that occasionally an "April draft" of surface water has been used in a year with a dry spring. The Bauerly decree's May 1 date has been used as the start of the season for use of well water, except as provided by the early pumping agreement.

[4] Ron Carlson believes that carry-over should not be addressed in the General Provision, leaving an opportunity for the dept. and/or the water users to begin year-round accounting at some point in the future. This possibility was presented to the water users, who preferred that the General Provision specify carryover provisions.

Alternate B31 GP

1. Allotment System

4773.99 NGVD 1929

a. Definitions:

Change Source of Camas Creek to Mud Lake?

Mud Lake: For purposes of administration, Mud lake is defined as "Mud Lake or its tributaries at points affected by the backwaters of Mud Lake." Historically this has been Mud Lake and Camas Creek downstream of T7N R35E Section 25, SE 1/4, ~~the location known locally as Bybee Bridge~~. SW SW SE ~~This location could change with changes in the physical structures built on Camas Creek or Mud Lake.~~

Watermaster: The administrator of water rights in Basin 31, elected and/or appointed pursuant to Idaho Code 42-605.

Divertable Volume: Water in Mud Lake ~~capable of being diverted. It is that water~~ above the elevation of X feet above msl. ~~minimum elevation from which the diversion works can extract water. Historically the water above -1.0 feet on the USGS gage has been considered divertable, but this value could change as a result of changes in the gage datum, changes in the lake topography, or general changes in diversion works.~~

Allotment Sheet: An accounting system maintained by the Watermaster. Consisting of: ~~It includes the~~ A) "Allotment" section which records volumes deliverable to holders of surface water rights; B) the "Well Balance" section which records volumes deliverable to holders of ground water rights; ~~and~~ C) the "Inflow/Outflow Accounting" section, which records evaporation and other losses, inflows, outflows, and mass-balance calculations.

Early Season Ground Water: Ground water diverted to storage in Mud Lake prior to May 1, under

water right 31-332, 31-

~~the Early Season Pumping remark~~. It is accounted for in the Well Balance section of the Allotment Sheet.

Water Delivered Prior to May 1: Surface water delivered from Mud Lake after March 31 and prior to May 1. It is added to the Provisional Allotment calculation as water having been available for use in the current irrigation season, but deducted as a draft from the Individual Allotment balance of the water user who diverted it.

Allotment: The volume of water to be allocated among holders of surface water rights diverted out of Mud Lake, either the Provisional Allotment or the Final Allotment as defined below.

Provisional Allotment: The Divertable Volume of Mud Lake on May 1, less Early Season Ground water Contributions, plus ~~W~~water ~~D~~delivered ~~P~~prior to May 1, plus the anticipated natural inflows to Mud Lake for the current irrigation season. The Provisional Allotment is the volume of water anticipated to be deliverable to holders of surface water rights diverted from Mud Lake~~, and is to be allocated to individual surface right holders in order of priority~~.

Final Allotment: The Divertable Volume of Mud Lake on May 1, less Early Season Ground water Contributions, plus Water Delivered Prior to May 1, plus the actual natural inflows to Mud Lake from May 1 to the date of the calculation of the Final Allotment. Calculated when natural inflows to Mud Lake via Camas Creek have ceased and no further natural inflows are anticipated via Camas Creek. The Final Allotment is the actual volume of water deliverable to holders of surface water rights diverted from Mud Lake~~, and is to be allocated to individual right holders in order of priority.~~

Individual Allotment: The portion of the Allotment allocated to an individual water user, according to the volumes and priority dates of his/her surface water rights diverted out of Mud Lake~~, relative to the volumes and priority dates all the surface water rights diverted out of Mud~~

~~Lake.~~

the individuals'

Individual Allotment Balance: The Individual Allotment less the cumulative total of withdrawals of allocated water and the cumulative total of the proportionate share of losses charged against the allotment.

Well Balance: The volume of stored water in Mud Lake that has been injected from ground water, from May 1 to November 1, or that has been injected from Early Season Groundwater pumping.

Individual Well Balance: The portion of the Well Balance allocated to an individual water user, according to the injections made from that user's well(s), under that user's ground water right(s).

Positive Balance: An Individual Allotment Balance or Individual Well Balance with a value greater than zero.

Negative Balance: An Individual Allotment Balance or individual Well Balance with a value less than zero.

b. This General Provision shall apply to all water rights diverted or rediverted out of Mud Lake as defined for administrative purposes.

c. The Watermaster shall maintain the Allotment Sheet to show the ownership of Allotment water and Well Balance water. Well Balances shall be recorded beginning with the date of the first pumping of wells or May 1, whichever is earlier. Allotment Balances shall be computed beginning May 1. The Allotment Sheet shall be maintained through November 1.

d. Ground water flowing without pumping into Mud Lake, prior to May 1 and after October 31, shall be accounted as natural inflow to Mud Lake and shall not be carried in any Well Balance or Individual Well Balance. Owners of wells capable of flowing without pumping into Mud Lake

shall allow such wells to flow, and shall allow such water to accumulate in Mud Lake, prior to May 1 and after October 31.

e. All well water, whether naturally flowing or pumped, diverted from May 1 to November 1, shall be credited to the Individual Well Balance of the water user owning the well(s) and water right(s) under which the water is diverted.

f. Early Season Ground Water shall be credited to the Individual Well Balance(s) of the water user(s) owning the well(s) and water right(s) under which the water is diverted.

g. On May 1 of each year, the Watermaster shall compute the Provisional Allotment and allocate it to the Individual Allotments of water rights defined in (b.) above, and record the Individual Allotments on the Allotment Balance section of the Allotment Sheet. Every fifteen days thereafter the Watermaster shall adjust the Individual Allotment Balances according to daily records of evaporation and other losses, and daily records of diversions. At the same time the Watermaster shall also adjust the Well Balance and Individual Well Balances according to daily records of evaporation and other losses, daily measured inflows, and daily records of diversions.

h. The Watermaster shall maintain daily records of natural inflows to Mud Lake from Camas Creek. At each fifteen-day recalculation interval, the Watermaster may if necessary adjust the Provisional Allotment and recalculate the Individual Allotments to correspond to actual natural inflows and revised anticipated natural inflows.

i. At such time as Camas Creek ceases to contribute water to Mud Lake, and no further contributions are anticipated in the current irrigation season, the Watermaster shall compute a Final Allotment and recalculate Individual Allotments.

j. At such time that all Individual Allotments cannot be completely filled, the Allotment and Individual Allotments shall be recalculated to prevent injury to holders of senior surface water rights.

k. At each fifteen-day recalculation interval, all evaporation and other losses shall be proportioned according to the volume of water recorded in each respective Individual Allotment Balance or Individual Well Balance and charged against these balances.

l. Positive Balances shall not be carried forward past November 1.

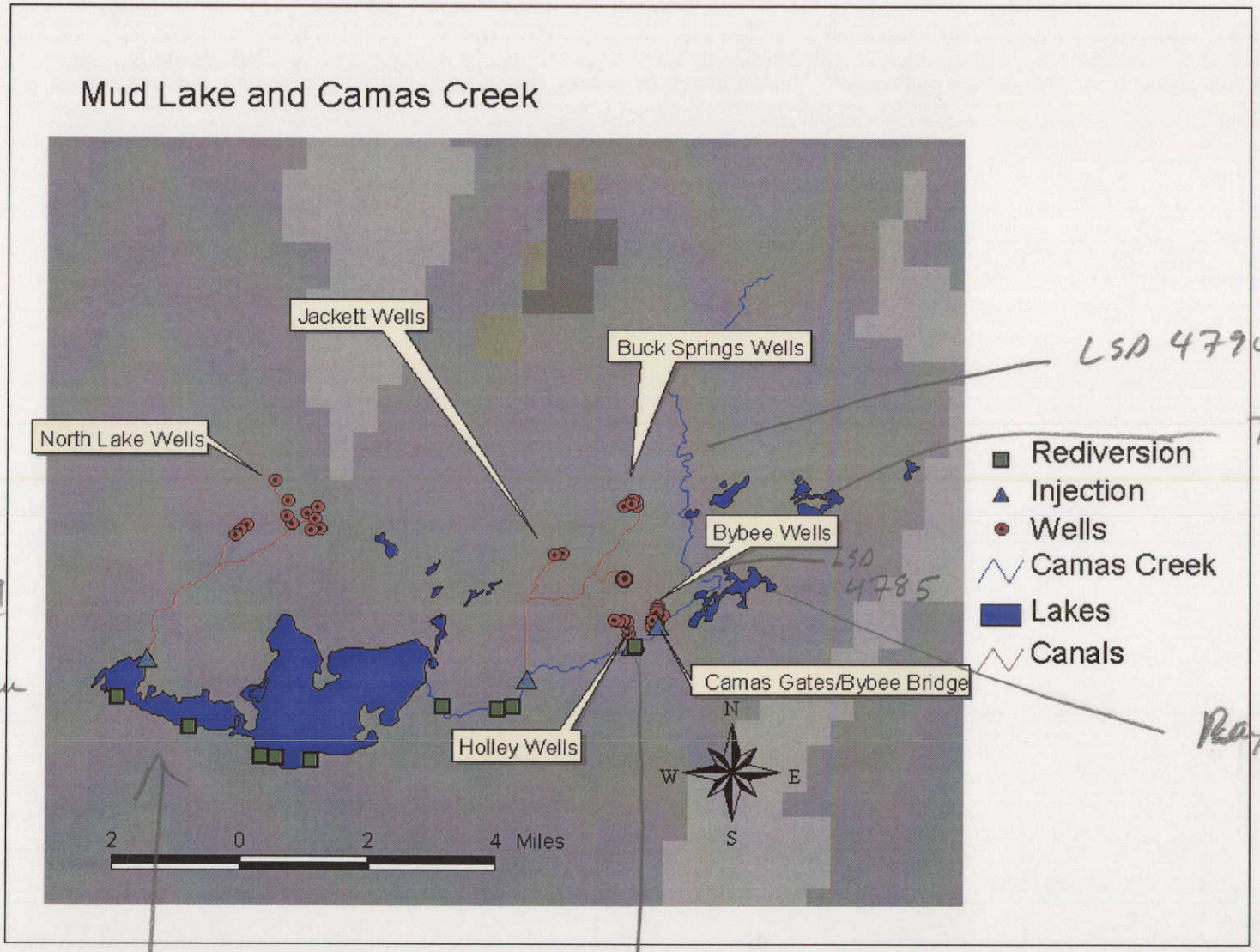
m. Negative Balances shall be carried forward to the subsequent irrigation seasons Allotment Sheet and charged against the Individual Allotment Balance on May 1. If Negative Balances are in excess of the calculated Individual Allotment, the excess amount shall be charged against the Individual Well Balance on May 1.

n. The Watermaster may determine that the water user(s) may not withdraw more than 35% of the Individual Allotment in any calendar month if necessary to prevent injury to other water users. All water, whenever used, including water used prior to May 1st and after September 1st, shall be charged against the water user's Individual Allotment.

2. Conjunctive Management

(use most current language)

Note that 31-160 and 31-161 were decreed from Spring Lake, decreed to be non-tributary to Mud Lake, but have been claimed with an accomplished change of source to GW. Carter is reviewing these claims.



LSD 4790

Two-way pond
LSD 4788

LSD 4785

Ray's Lake el. 4784

prep 4779

gage datum 4774.99

Max rating 4786

Open. 4783

LSD 4785

LSD 4785 - Creek ≈ 12' deep?

No. 17611

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF IDAHO

Application No. 24716
Permit No. 17611
District No.

CANCELLED pursuant to sec. 4 Idaho Code Annotated, by order of Commissioner of Reclamation dated MAR — 1939

1. Name of Applicant: R. E. Knapp

Postoffice address: Terreton County: Jefferson State: Idaho

I. If applicant is a corporation, give:
(a) Date and place of incorporation:
(b) Amount of capital stock:
(c) Amount paid in:
(d) Names and addresses of directors:

II. The financial resources of the applicant are:
(a) Cash on hand:
(b) Treasury stock
(c) Bonds to be issued:
(d) Other resources:

2. Quantity of water claimed: 110 second feet cubic feet per second.

3. Source of water supply: Underground waters - for details/ see "Remarks" which is not a tributary of any other source so far as known.

4. Location of point of diversion: See remarks feet distant from the corner of Section , T. , R. , B. M., and is in the of Section , T. , R. , B. M., County of

5. Water is to be used for: Irrigation

6. If for mining, milling, power or manufacturing purposes, give:
(a) Point of use of water: feet distant from corner of Section T. , R. , B. M., in the of Section , T. , R. , B. M.
(b) Amount of power generated: H. P., under feet head.
(c) Water is to be returned to at a point fee distant from the corner of Section , T. , R. , B. M., in the of Section , T. , R. , B. M.

7. Estimated cost of works: $4000.00

8. Kind of works: Wells and gathering ditches

9. Height of dam feet; length of dam at top feet; length of dam at bottom feet; material used in dam:

10. Size of headgate: Width feet; height feet.

11. Ditch: Width at bottom a - 20 ft. b - 15 " c - 25 " feet; width at water line a - 24 ft. b - 19 " c - 29.6" feet; depth of water a - 2 ft. b - [illegible] c - 2.3" feet; dimensions of flume:
Diameter of pipe inches; length of conduit a - 3 miles b - ½ mile c - 3 miles miles.
Average grade per mile 1 feet.

12. The time required for the completion of such work is Two years and 8 months years.

13. The time required for the complete application of the water to the proposed use is Three additional years.

14. The land to be irrigated is described in the following tabulation: See remarks.

Water is to be stored in Mud Lake

15. (a) Is reservoir to be used? What is a natural reservoir, fill in (b) and (c) below.
(b) Name of Reservoir and number of Storage Permit:
(c) Date of filing of Application for Storage Permit and Name of Applicant:

BE IT KNOWN, THAT The undersigned hereby makes application for permit to appropriate the public waters of the State of Idaho as hereinafter set forth.

R. E. Knapp *Applicant.*

By Edwin Snow *Agent.*

Date of due receipt at Department of Reclamation: 10:00 a. m., November 16, 1931

Returned to applicant for correction

Corrected application received

APPROVAL OF COMMISSIONER OF RECLAMATION

The number of this permit is 17611
Recorded in Book 54 Page 17611 Approved December 2, 1931
I hereby certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby approve the same, subject to the following limitations and conditions:
Fee in the sum of $ to be filed on or before
Work to begin on or before February 1, 1932 and to continue diligently and uninterruptedly to completion, unless temporarily interrupted by circumstances over which permit holder has no control.
One-fifth of the work above specified to be completed on or before Apr. 1, 1933
The whole of said work to be completed on or before August 1, 1934
Beneficial use of water appropriated in accordance herewith, to be made on or before August 1, 1937

Witness my hand this 2nd day of December, 1931

R. W. FARIS
Commissioner of Reclamation.

Remarks

14.

Twp.	Range	Sec.	$NE^1/_4$				$NW^1/_4$				$SW^1/_4$				$SE^1/_4$				Totals
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
		1	40			40													80
		16	40	40	40	40	40	40	40	40		40	40	40	40		40	40	320
		17	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	320
		18	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		19	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		20	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		21					40	40	40	40	40	40	40	40					480
		22	40	40	40	40	40	40	40	40	40	40	40	40					320
		23									40	40	40	40	40	40	40	40	640
		1	40	40	40	40	40	40	40	40	40	40	40	40					160
		2	40			40									40	40	40	40	640
		3	40	40	40	40	40	40	40	40	40	40	40	40				40	160
		9					40	40	40	40	40	40	40	40	40	40	40	40	640
		11											40		40	40	40	40	480
		14				40			40		40	40	40	40	40	40	40	40	360
		15											40	40	40	40	40	40	240
											40	40	40	40					160

Remarks: The following shows the amount of water to be developed on each 40 acre subdivision involved, the several subdivision being the point of diversion for the amount of water set opposite: i.e. an amount equivalent to a continuous flow of:

Second Feet	Subdivision	Section	Township	Range
40	NE¼ SE¼	27	7 N.	35E.
10	NE¼ SE¼	22	7 N.	35E.
10	NW¼ SE¼	22	7 N.	35E.
10	NE¼ SW¼	22	7 N.	35E.
10	NW¼ NE¼	24	7 N.	34E.
10	NE¼ NE¼	24	7 N.	34E.
10	NW¼ SE¼	13	7 N.	34E.
10	SW¼ SE¼	13	7 N.	34E.

The water to be developed at the several wells located as above described is to be conveyed in ditches to the point, before diverted at a point North 42° 30' East 3995 feet from the quarter corner common to Sections 11 and 14, Township 6 North, Range 34 East, B.M. and distributed by a system of canals and laterals already constructed upon the lands shown in accompanying list.

No 17612

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF IDAHO

Relinquished

Application No. 24573
Permit No. 17612
District No.

1. Name of Applicant: F. B. Jones

Postoffice address: Boise County: Ada State: Idaho

I. If applicant is a corporation, give:
(a) Date and place of incorporation:
(b) Amount of capital stock:
(c) Amount paid in:
(d) Names and addresses of directors:

II. The financial resources of the applicant are:
(a) Cash on hand:
(b) Treasury stock
(c) Bonds to be issued:
(d) Other resources:

2. Quantity of water claimed 100 cubic feet per second.

3. Source of water supply: Subterranean Water which is not tributary to any other stream so far as known.

4. Location of point of diversion: See specific locations and/ quantities under "remarks" feet distant from the corner of Section , T. , R. , B. M., and is in the of Section , T. , R. , B. M., County of Jefferson

5. Water is to be used for: Irrigation and domestic purposes

6. If for mining, milling, power or manufacturing purposes, give:
(a) Point of use of water: feet distant from corner of Section T. , R. , B. M., in the of Section , T. , R. , B. M.
(b) Amount of power generated: H. P., under feet head.
(c) Water is to be returned to at a point feet distant from the corner of Section , T. , R. , B. M., in the of Section , T. , R. , B. M.

7. Estimated cost of works: $ 5000.00

8. Kind of works: Drilled wells and ditches

9. Height of dam feet; length of dam at top feet; length of dam at bottom feet; material used in dam:

10. Size of headgate: Width feet; height feet.

11. Ditch: Width at bottom a - 25 b - 20 feet; width at water line a - 32.5 b - 26 feet; depth of water a - 2.5 b - 2 feet; dimensions of flume:
Diameter of pipe inches; length of conduit a - 5/8 mi. b - 3/8 mi. miles.
Average grade per mile .0002 feet.

12. The time required for the completion of such work is Two years and 8 months years.

13. The time required for the complete application of the water to the proposed use is Three additional years.

14. The land to be irrigated is described in the following tabulation: See remarks.

winter flow is to be stored in Mud Lake,

15. (a) Is reservoir to be used? a natural resevoir If so, fill in (b) and (c) below.
(b) Name of Reservoir and number of Storage Permit:
(c) Date of filing of Application for Storage Permit and Name of Applicant:

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.

F. B. Jones *Applicant.*

By *Agent.*

Date of first receipt at Department of Reclamation: 9 a. m. July 16, 1931

Returned to applicant for correction, August 15, 1931

Corrected application received: October 14, 1931

APPROVAL OF COMMISSIONER OF RECLAMATION

The number of this permit is 17612
Recorded in Book 64 Page 17612 Approved December 2, 1931
This is to certify that I have examined the within application for a permit to appropriate the public waters of the State of Idaho, and hereby approve the same, subject to the following limitations and conditions:
Bond in the sum of $ to be filed on or before
Work to begin on or before February 1, 1932 and to continue diligently and uninterruptedly to completion, unless temporarily interrupted by circumstances over which permit holder has no control.
One-fifth of the work above specified to be completed on or before Apr. 1, 1933
The whole of said work to be completed on or before August 1, 1934
Beneficial use of water appropriated in accordance herewith, to be made on or before August 1, 1937

Witness my hand this 3rd day of December, 1931

R. W. FARIS
Commissioner of Reclamation.

Remarks:

14.

Remarks: It is proposed to drill wells and develop underground water therefrom within the following subdivisions to the extent shown opposite each respectively: an amount equivalent to continuous flow of:

Upon	SW¼ NW¼,	Sec. 15, T. 7 N., R. 36 E.B.M.,	20 sec. ft.
Upon	NE¼ NW¼,	Sec. 16 T. 7 N., R. 36 E.B.M.	16 sec. ft.
Upon	NE¼ SW¼,	Sec. 16 T. 7 N., R. 36 E.B.M.	16 sec. ft.
Upon	NW¼ SE¼,	Sec. 16 T. 7 N., R. 36 E.B.M.	16 sec. ft.
Upon	SE¼ NW¼,	Sec. 25 T. 7 N., R. 35 E.B.M.	16 sec. ft.
Upon	NE¼ SW¼,	Sec. 25 T. 7 N., R. 35 E.B.M.	16 sec. ft.

The water so developed will be conveyed through artificial ditches to Mud Lake; thence through Mud Lake to existing point of diversion therefrom of Owsley Canal Company located N. 42° 30' E. 3935 feet from the North Quarter corner Section 14, Twp. 6 N., R. 34 East B. M. (which is in the SW¼ NW¼ Sec. 12, Twp. 6 N., R. 34 East B. M.); thence the water will be conveyed through the existing irrigation system of Owsley Canal Company.

Twp.	Range	Sec.	NE¼ NE¼	NE¼ NW¼	NE¼ SW¼	NE¼ SE¼	NW¼ NE¼	NW¼ NW¼	NW¼ SW¼	NW¼ SE¼	SW¼ NE¼	SW¼ NW¼	SW¼ SW¼	SW¼ SE¼	SE¼ NE¼	SE¼ NW¼	SE¼ SW¼	SE¼ SE¼	Totals
6 N.	34 E.	6	40			40						40	40	40	40		40	40	320
		10	40	40	40	40	40	40	40	40									320
		17	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		18	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		19	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		20	40	40	40	40	40	40	40	40	40	40	40	40					480
		29					40	40	40	40	40	40	40	40					320
		30	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
6 N.	34 E.	4									40	40	40	40					160
		5	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		7	40			40									40			40	160
		8	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		9					40	40	40	40	40	40	40	40	40	40	40	40	480
		16											40						40
		13							40		40	40	40	40	40	40	40	40	360
		14				40							40		40	40	40	40	240
		15									40	40	40	40					160
		16	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		17			40	40	40	40	40	40	40	40	40	40	40	40	40	40	640

Twp.	Range	Sec.	NE¼ NE¼	NE¼ NW¼	NE¼ SW¼	NE¼ SE¼	NW¼ NE¼	NW¼ NW¼	NW¼ SW¼	NW¼ SE¼	SW¼ NE¼	SW¼ NW¼	SW¼ SW¼	SW¼ SE¼	SE¼ NE¼	SE¼ NW¼	SE¼ SW¼	SE¼ SE¼	Totals
6 N.	34 E.	20	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		21	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640
		22	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	640

Contor, Bryce

From: Contor, Bryce
Sent: Wednesday, December 27, 2000 10:42 AM
To: Saxton, Glen
Cc: Jones, Harold (Skip); McHugh, Candice; Tuthill, Dave
Subject: Preliminary Order Amending Transfer 5335

This morning I met with Mud Lake Water Users and the watermaster, at the request of MLWU. We can probably expect a petition for reconsideration on the priority date of the cancelled and relinquished permits; they seek the original permit priority dates.

The grounds will be the precendent set by the department in recognizing the original permit date as the priority date for 31-00337A and 31-00337B, in transfers 2303 and 5335. This right was originally issued as permit 17763, which was cancelled by the department.

Contor, Bryce

From: Hansen, Richard
Sent: Friday, December 01, 2000 1:17 PM
To: Contor, Bryce
Subject: RE: re-run of voice mail

Sorry about the typo. The application for 17612 was originally received on July 6, 1931. It was returned to the applicant on August 15, 1931. The corrected application was received on October 14, 1931.

There were no documents for proof of completion of works or for proof of beneficial use.
I will try to fax the permits, but I am not sure how well they will transmit.
I will put the copies in the mail just in case.

Richard

-----Original Message-----
From: Contor, Bryce
Sent: Friday, December 01, 2000 10:05 AM
To: Hansen, Richard
Subject: re-run of voice mail

I didn't know for sure if Boise voice mail is functioning, if I was talking to you or to a black hole.

Could you please double-check the permit date for permit 17612, superceded by decreed number 31-328? The e-mail said 20-14-1931 which isn't a data format I'm familiar with.

Also, could you fax or mail me copies of permit 17611 (31-327) and 17612, along with copies of any proof of completion of diversion works or proof of beneficial use?

Thanksabuncha.

ARTICLES OF MERGER

OF DOMESTIC CORPORATIONS

INTO

OWSLEY CANAL COMPANY, INC.

Pursuant to the provisions of Section 30-1-74 of the Idaho Business Corporation Act, ıed corporations adopt the following Articles of Merger for the purpose of merging : of such corporations.

FIRST: The following Plan of Merger was approved by the shareholders of each of ıed corporations in the manner prescribed by the Idaho Business Corporation Act:

I.

RECITALS

A. Owsley Canal Compnay, Inc. is validly organized, existing and in good standing under the laws of the State of Idaho. All of the merging corporations are validly organized, existing and in good standing under the laws of the State of Idaho.

B. Owsley Company Canal, Inc., the surviving Corporation, has an authorized capital of 17,818 shares of Common Stock, irrigating 17,818 acres of land. One share per acre. Par value of $1.00 each.

C. Holley Water Users has 2,978 shares of Common Stock, irrigating 2,978 acres. One share each acre. Par value of $1.00 per share.

D. Jackett Canal Company has 3,107.3 shares of Common Stock irrigating 3,107.3 acres of land. One share per acre. Par value of $1.00 each.

E. The Board of Directors of the Constituent Corporations will consider the proposed plan, and if they determine that it is in the best interests of their respective corporations and stockholders that the Merging Corporations merge with and into Owsley Canal Company, Inc., in accordance with the provisions of applicable statues of the State of Idaho, they will submit it to the stockholders of the respective Merging Corporations.

Contor, Bryce

From: Hansen, Richard
Sent: Tuesday, November 14, 2000 2:26 PM
To: Contor, Bryce
Subject: RE: Long Shot

I didn't see any reference to a priority date in either file. I did look at the microfilm for 17611 and 17612 and found that 17611 was cancelled and 17612 was relinquished.

The date the application was received for 17611 was 11-16-1931.
The date the corrected application was received for 17612 was 20-14-1931.

Richard

-----Original Message-----
From: Contor, Bryce
Sent: Tuesday, November 14, 2000 11:23 AM
To: Hansen, Richard
Subject: Long Shot

31-327 arose from the Bauerly Decree, which confirmed ownership of old permit # 17611. The decree didn't identify the priority of the permit, and a "new number" was never issued. There's nothing on the microfiche to give me a priority date.

Same song and dance with 31-328, old permit # 17612,

Could you look in the paper files please and see if there is anything there besides transfer 5335? I've already been through it a couple times and it glosses over the issue.

Thanks, Bryce.

Old #	Book		
17608	29-2249	~~1/1/1900~~ >	35-2916
17614	57-2163	~~1/1/1900~~ >	61-2244
17620	63-24466	1/22/1932	
17608	35-2916	11/4/1931	17611 11/16/1931
	~~57-2163~~		17612 ??
17614	61-2244	12/9/1931	

31-327 17611

31-328 17612

To: Dave Tuthill
cc: Candice McHugh
Ernie Carlsen
Harold Jones
Fr: Bryce Contor
Date: 10/30/2000

Bryce A. Contor

Re: Transfer 5335

Candice suggested that I submit a formal request via you, to have this transfer amended.

I request that Transfer 5335 be amended to better reflect the underlying water rights, to reflect field work which has given better resolution on the number and locations of points of diversion, and to reflect the results of our investigation of Mud Lake storage issues.

Amending this transfer will allow me to make adjudication recommendations that are accurate, and are compatible with other recommendations.

Changes Requested:

1. Right 31-327

   Transferred priority date 00/00/0000

   Requested priority date 10/14/1940

   17611 - 11/16/1931

   Basis of request: This right is based upon the Bauerly decree of 1940, which confirmed several permits to several users. Permit 17611 is the basis for decreed right 31-327. That permit was later cancelled by the department, but in a 1980's transfer proceeding with Independent Water Users, the department set the precedent of honoring cancelled or relinquished permits that had been confirmed by Bauerly. Therefore Bauerly becomes the basis for this right, and I request the date of the Bauerly decree as its priority.

2. Right 31-328

   17612 (10/14/1931)

   Transferred priority date 00/00/0000

   Requested priority date 10/14/1940

   Basis of request: This right is also based on Bauerly, but was relinquished rather than cancelled. I request the same priority date, by the same reasoning.

   Transferred Irrigation diversion rate 110 cfs

   Requested diversion rate 100 cfs.

   Basis of request: Bauerly decreed 100 cfs.

3. Right 31-329

   Transferred priority date 00/00/0000

   Requested priority date 1/8/1932

   Basis of request: This right was decreed as a permit by Bauerly, but was later issued as license

31-2252. The priority date is from the license.

4. Right 31-330

   Transferred priority date 00/00/0000

   Requested priority date 6/26/1936

   Basis of request: This right was decreed as a permit by Bauerly, but was later issued as license 31-2259. The priority date is from the license.

5. All rights

   Transferred season of use for irrigation 4/15 to 10/15
   Transferred season of use for diversion to storage 10/16 to 4/14

   Requested season of use for irrigation 5/1 to 11/1
   Requested season of use for diversion to storage 5/1 to 11/1 with early-season pumping remark

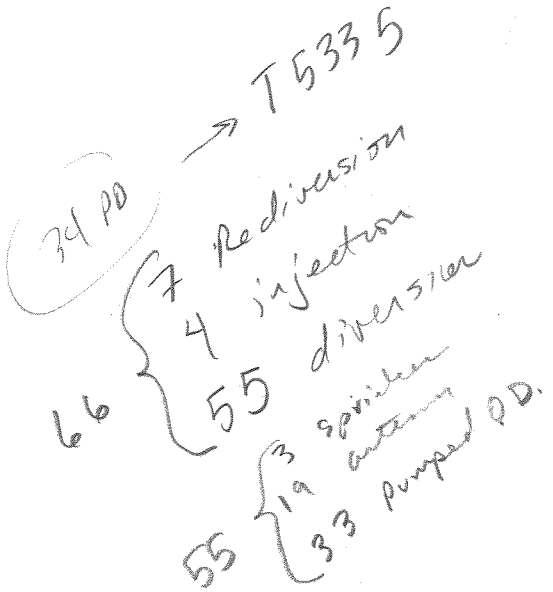
   Basis of request: Bauerly decree specifies 5/1 to 11/1 and this has been confirmed by historical practice. Through a long process of research, review, and consultation with the watermaster we are proposing to retain the 5/1 to 11/1 season on all other GW rights delivered via Mud Lake, with an early-season pumping remark. Putting all the GW rights delivered via the lake on the same footing will facilitate water administration in the basin.

6. All rights

   Transferred points of diversion (see attached copy of transfer) were based on right holder's maps. The list has a number of errors and omissions. Particularly omitted are points of injection and rediversion.

   Requested points of diversion are listed on attachment, and on GIS layer "MLWU POD" on the d-drive pc common directory of computer East 473.

   Basis of request: Field inspection using GPS, consultation with right holder, Water Measurement District records, and older transfers.



TRANSFER NO. 5335
WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Right No. 31-00336B :			Bauer's - Dual.
IRRIGATION	04/15 to 10/15	11.05 CFS	
Priority: 04/27/1932			
Right No. 31-00337B :			Bauer's - Dual / Merritt M. Dursley
IRRIGATION	04/15 to 10/15	17.00 CFS	
Priority: 12/15/1932			
Right No. 31-00371 :			Holley
IRRIGATION	04/15 to 10/15	23.00 CFS	
Priority: 09/10/1928			
Right No. 31-02239 :			
IRRIGATION	04/15 to 10/15	40.00 CFS	16899.4 AF
Priority: 01/25/1930			
Right No. 31-02265 :			
IRRIGATION	04/15 to 10/15	64.40 CFS	23375.9 AF
Priority: 05/22/1940			
Right No. 31-02289 :			
IRRIGATION	04/15 to 10/15	3.20 CFS	560.0 AF
Priority: 01/13/1949			
Right No. 31-02290 :			
IRRIGATION	04/15 to 10/15	3.60 CFS	840.0 AF
Priority: 02/14/1949			
Right No. 31-02297 :			
IRRIGATION	04/15 to 10/15	6.00 CFS	1190.0 AF
Priority: 12/29/1949			
Right No. 31-02310 :			
IRRIGATION	04/15 to 10/15	5.80 CFS	1015.0 AF
Priority: 09/24/1952			
Right No. 31-02317A :			
IRRIGATION	04/15 to 10/15	8.08 CFS	1414.0 AF
Priority: 02/28/1953			

MICROFILMED
FEB 1 1 1999

TRANSFER NO. 5335
WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Right No. 31-02317B :			
IRRIGATION	04/15 to 10/15	1.90 CFS	332.5 AF
Priority: 10/27/1956			
Right No. 31-02321 :			
IRRIGATION	04/15 to 10/15	1.92 CFS	336.0 AF
Priority: 04/25/1953			
Right No. 31-02341 :			
IRRIGATION	04/15 to 10/15	16.00 CFS	5839.4 AF
Priority: 09/03/1954			
Right No. 31-02342 :			
IRRIGATION	04/15 to 10/15	16.00 CFS	5839.4 AF
Priority: 09/03/1954			
Right No. 31-02343 :			
IRRIGATION	04/15 to 10/15	16.00 CFS	5839.4 AF
Priority: 09/03/1954			
Right No. 31-02344 :			
IRRIGATION	04/15 to 10/15	16.00 CFS	5839.4 AF
Priority: 09/03/1954			
Right No. 31-02345 :			
IRRIGATION	04/15 to 10/15	16.00 CFS	5839.4 AF
Priority: 09/03/1954			
Right No. 31-07005 :			
IRRIGATION	04/15 to 10/15	13.26 CFS	4939.4 AF
Priority: 12/04/1967			
	TOTAL:	*** 643.21 CFS	

SOURCE
GROUNDWATER

LOCATION OF POINT(S) OF DIVERSION:

SWNE , Sec. 13, Township 07N, Range 34E
SESE , Sec. 13, Township 07N, Range 34E
NENE , Sec. 23, Township 07N, Range 34E
NENE , Sec. 24, Township 07N, Range 34E
NWNE , Sec. 24, Township 07N, Range 34E

MICROFILMED
FEB 11 1999

Mud Lake Water Users Wells

	T	R	S	Lot	QQQ	QQ	Q	Notes
1	7N	34E	13		SW	SW	NE	One Pumped Well
2	7N	34E	13		NE	SW	SE	One Pumped Well
3	7N	34E	24		SW	NE	NE	One Pumped Well
4	7N	34E	24		NE	NW	NE	One Pumped Well
5	7N	34E	24		SW	NW	NW	One Pumped Well
6	7N	34E	~~25~~ 23		SE	NE	NE	One Pumped Well
7	7N	34E	~~25~~ 23		NE	SE	NE	One Pumped Well
8	7N	35E	13		SW	SW	SW	Three Pumped Wells
9	7N	35E	13		SW	SW	SW	Three Pumped Wells
10	7N	35E	13		SW	SW	SW	Three Pumped Wells
11	7N	35E	19	1	NE	NW	NW	One Pumped Well
12	7N	35E	19	1	NW	NW	NW	One Pumped Well
13	7N	35E	19		NW	SE	NW	One Pumped Well
14	7N	35E	19	2	NE	SW	NW	One Pumped Well
15	7N	35E	22		SE	NE	SE	One Pumped Well
16	7N	35E	23		SW	NW	SW	One Pumped Well
17	7N	35E	25		NW	NW	SE	Three Artesian Wells
18	7N	35E	25		NW	NW	SE	Three Artesian Wells
19	7N	35E	25		NW	NW	SE	Three Artesian Wells
20	7N	35E	25		SW	NW	SE	Three Artesian Wells
21	7N	35E	25		SW	NW	SE	Three Artesian Wells
22	7N	35E	25		SW	NW	SE	Three Artesian Wells
23	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
24	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
25	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
26	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
27	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
28	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
29	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
30	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
31	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
32	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
33	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
34	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
35	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
36	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
37	7N	35E	25		SE	SE	SW	One Pumped Well
38	7N	35E	25		NW	SW	SW	Three Pumped Wells
39	7N	35E	25		NW	SW	SW	Three Pumped Wells
40	7N	35E	25		NW	SW	SW	Three Pumped Wells
41	7N	35E	25		SW	SW	SW	Two Pumped Wells
42	7N	35E	25		SW	SW	SW	Two Pumped Wells
43	7N	35E	25		SE	NW	SE	One Pumped Well
44	7N	35E	25		NW	SW	SE	Five Pumped Wells
45	7N	35E	25		NW	SW	SE	Five Pumped Wells
46	7N	35E	25		NW	SW	SE	Five Pumped Wells

7N 35E 18 SWSESW one pumped well

Spudan wells

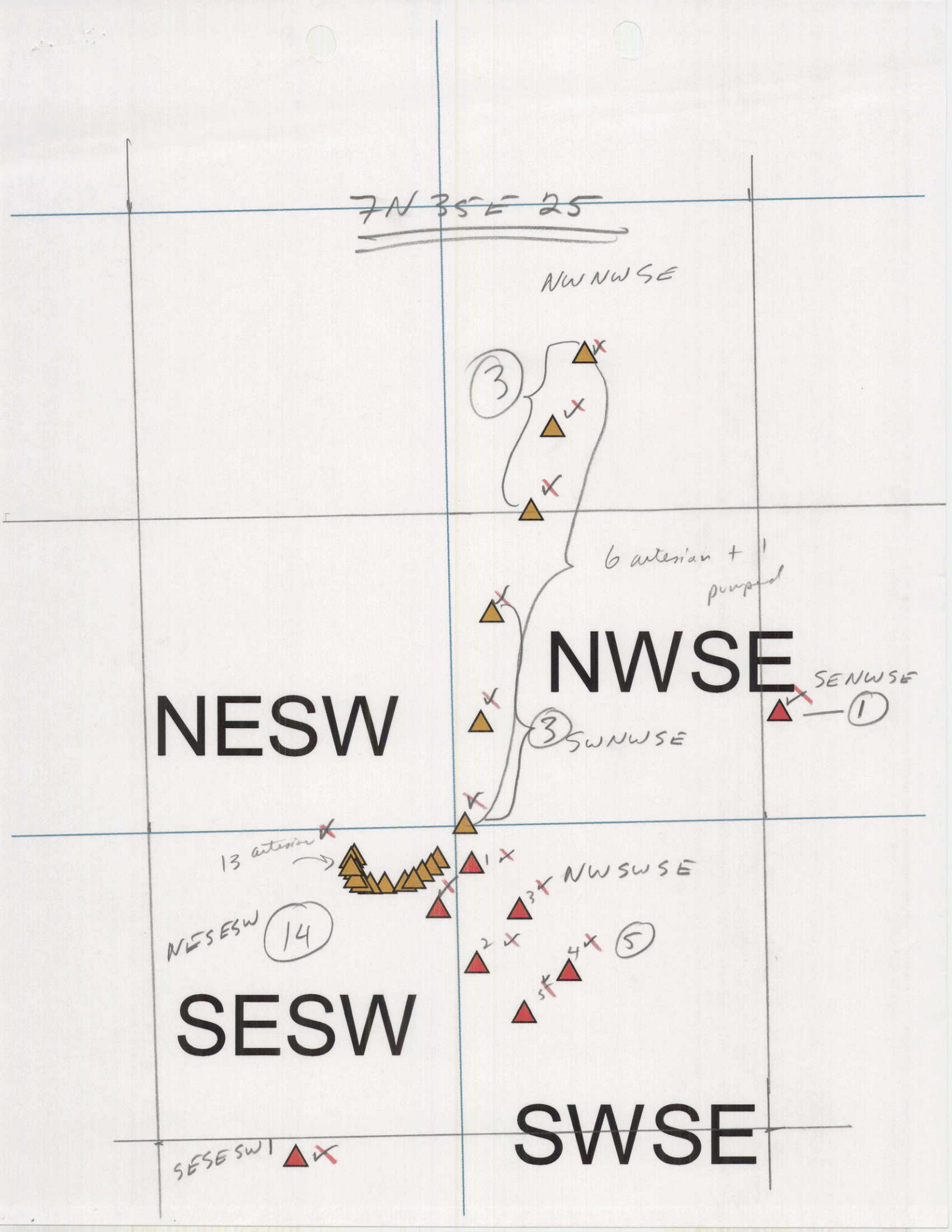
2 pages w/ 5 mps

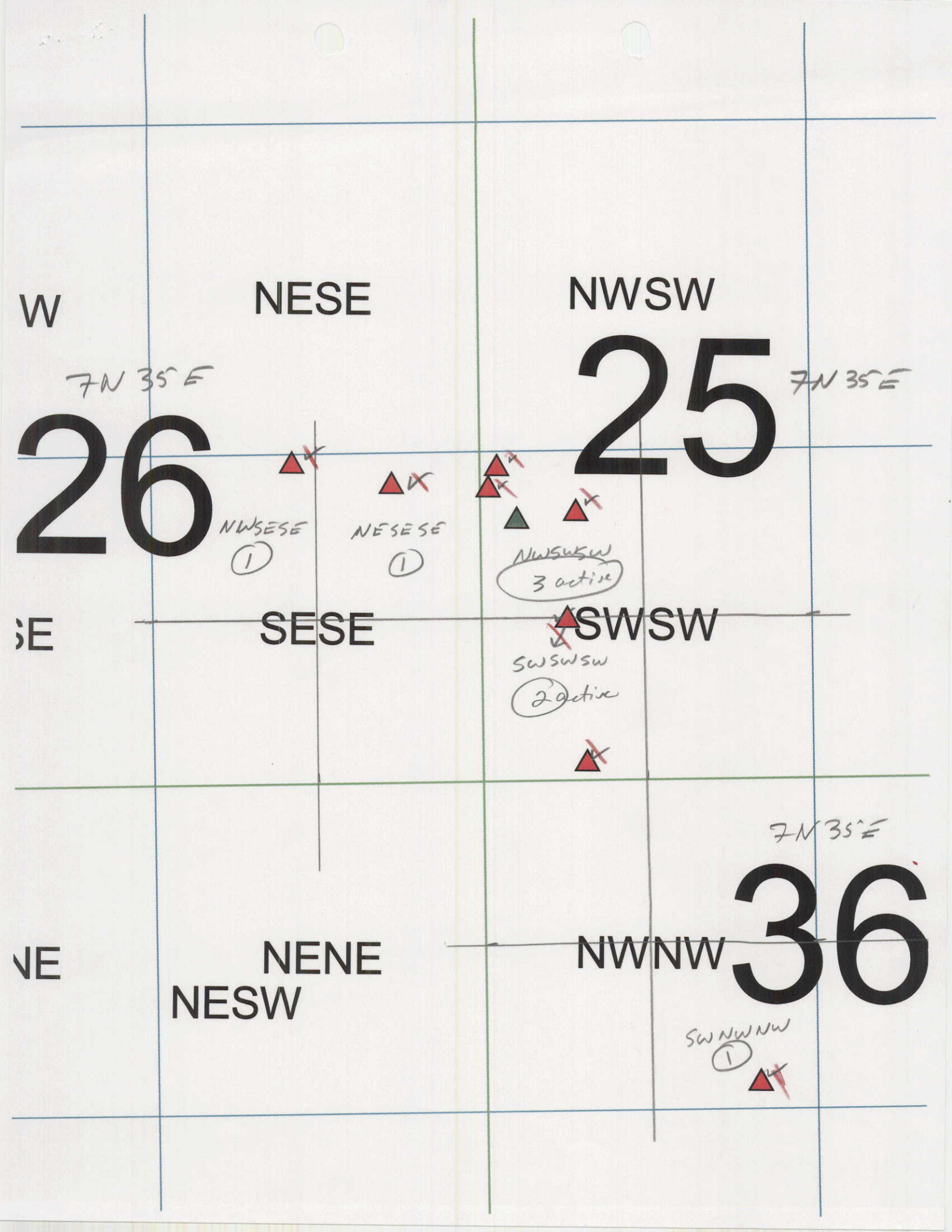
47	7N	35E	25	NW	SW	SE	Five Pumped Wells
48	7N	35E	25	NW	SW	SE	Five Pumped Wells
49	7N	35E	26	NE	SE	SE	One Pumped Well
50	7N	35E	26	NW	SE	SE	One Pumped Well
51	7N	35E	36	SW	NW	NW	One Pumped Well

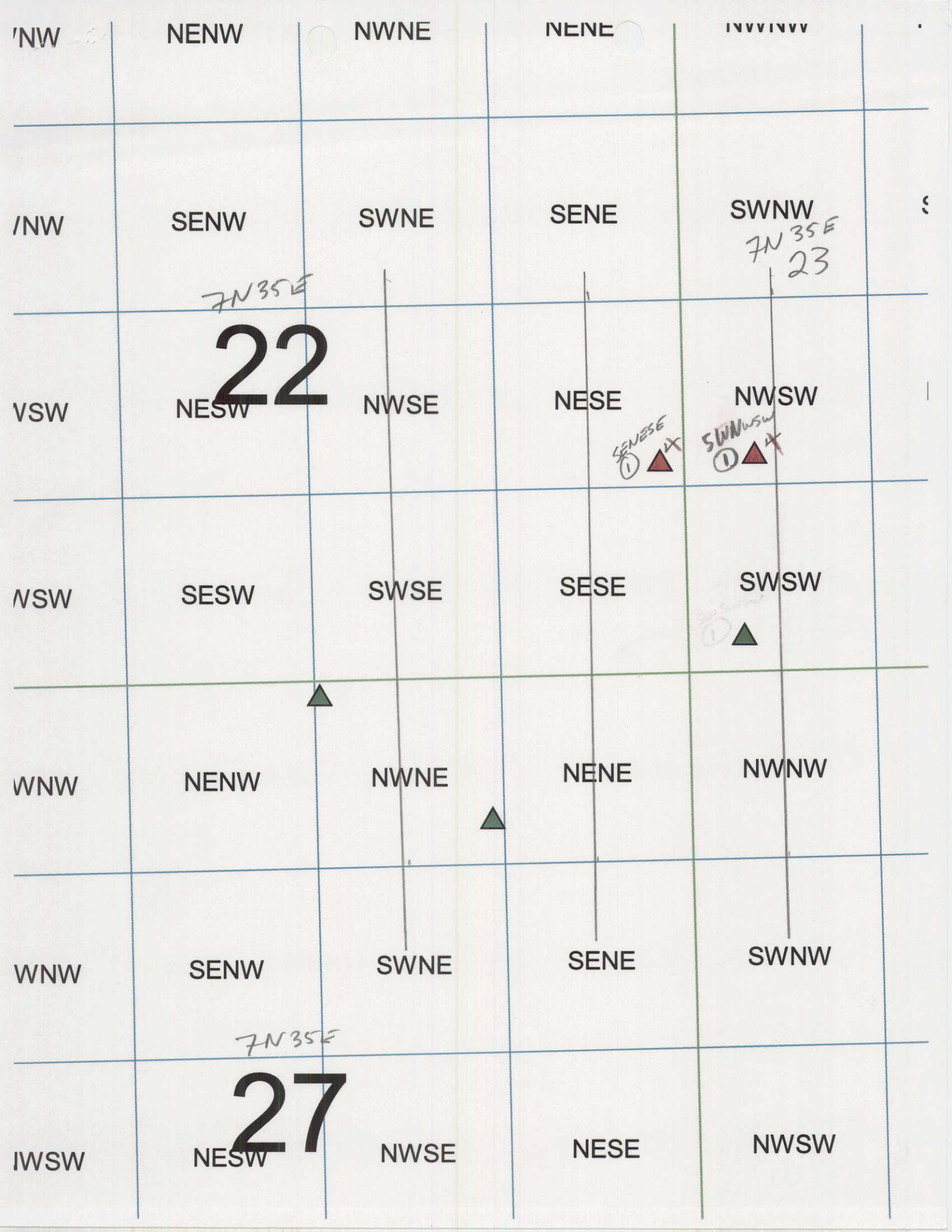
Except for the Artesian wells, all these wells are located by GPS and GCDB on ArcView.

Selected Artesian wells were GPS'd as clarity of water allowed. Additional were interpolated per phone interview with Garth Soderquist of Mud Lake Water Users, see memo in file.

2 pages w/ 5 maps


7N 35E 25
NW NW SE
3
6 artesian + 1 pumped
NWSE
NESW
SE NW SE
1
3 SW NW SE
13 artesian
NW SW SE
NE SE SW
14
5
SESW
SWSE
SE SE SW 1


W
NESE
NWSW
7N 35E
26
25
7N 35E
NWSESE
1
NESESE
1
NWSWSW
3 active
SE
SESE
SWSW
SWSWSW
2 active
7N 35E
36
NE
NENE
NESW
NWNW
SWNWNW
1


NENW
NWNE
NENE
SENW
SWNE
SENE
SWNW
7N 35E
23
7N 35E
22
NESW
NWSE
NESE
NWSW
SESW
SWSE
SESE
SWSW
NENW
NWNE
NENE
NWNW
SENW
SWNE
SENE
SWNW
7N 35E
27
NESW
NWSE
NESE
NWSW

SWNW

SENW

7N 35E

13

NWSW

NESW

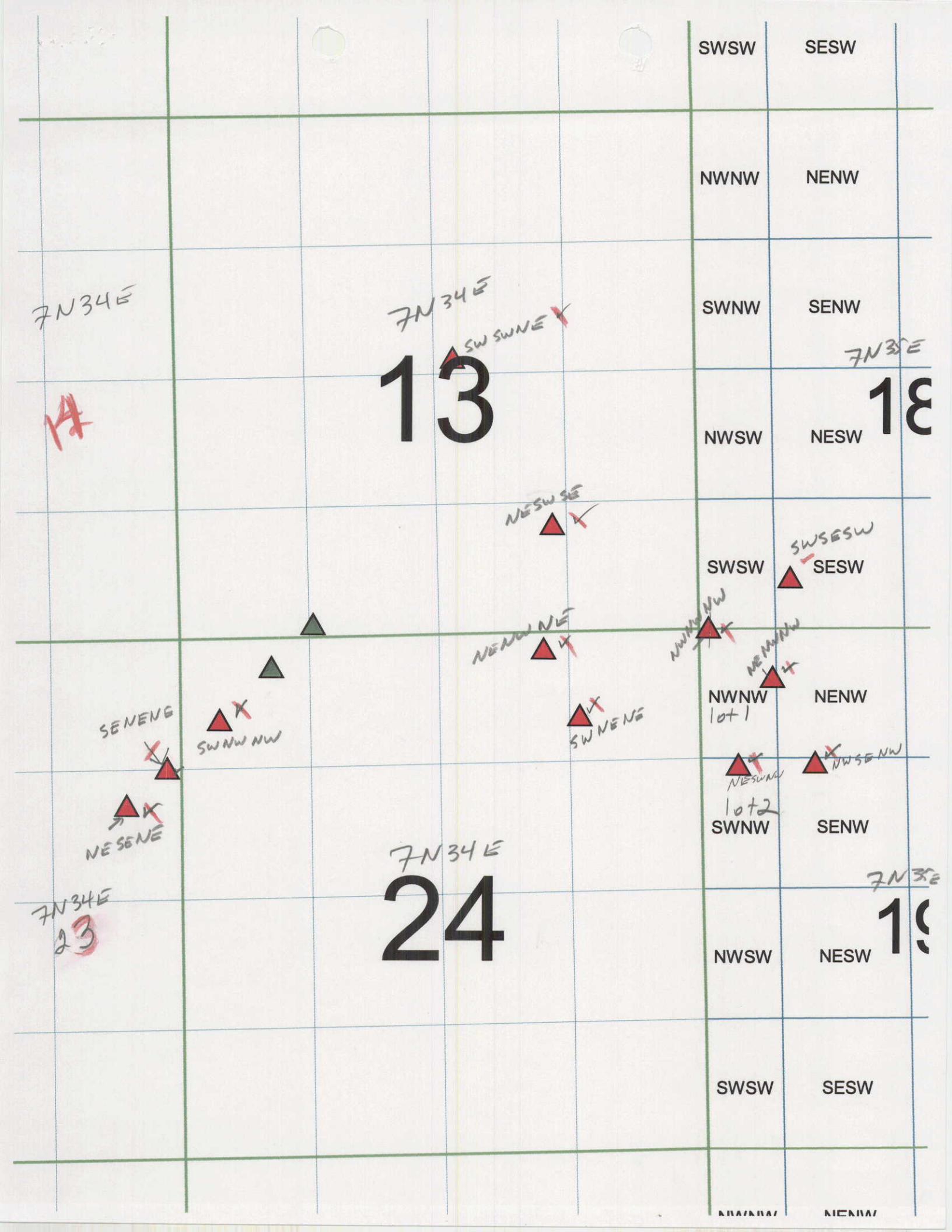
SWSW

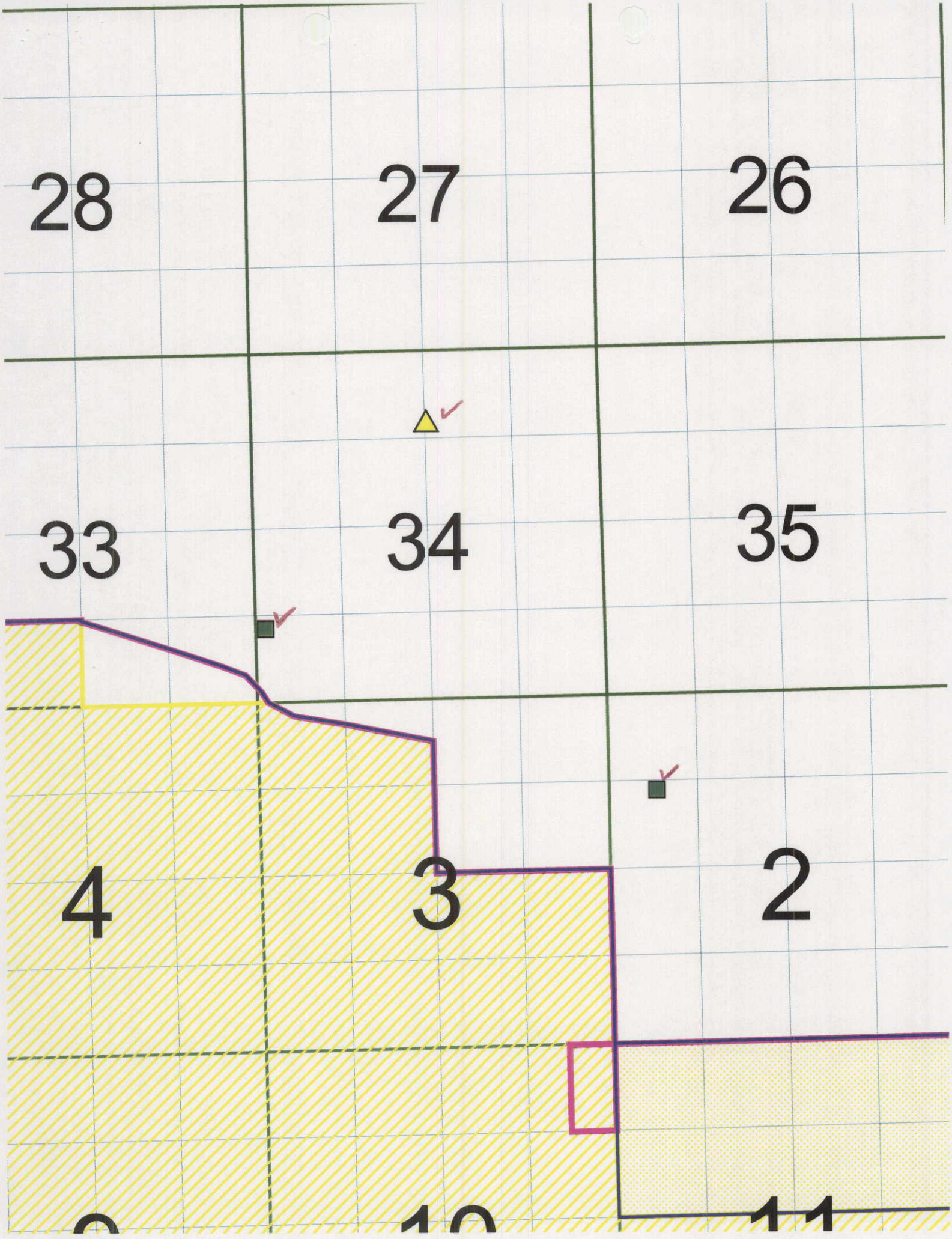
SESW

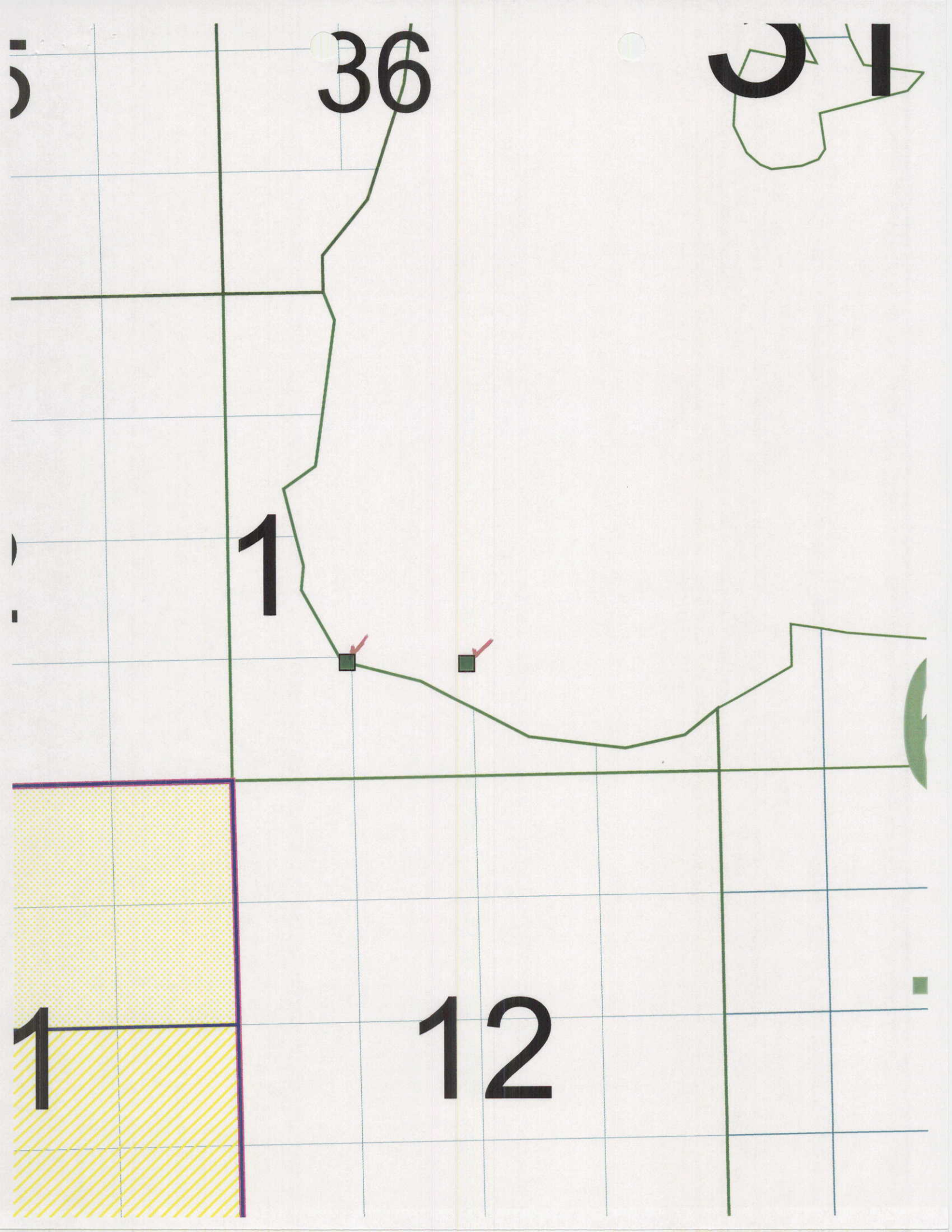
SW SWSW (3)

NWNW

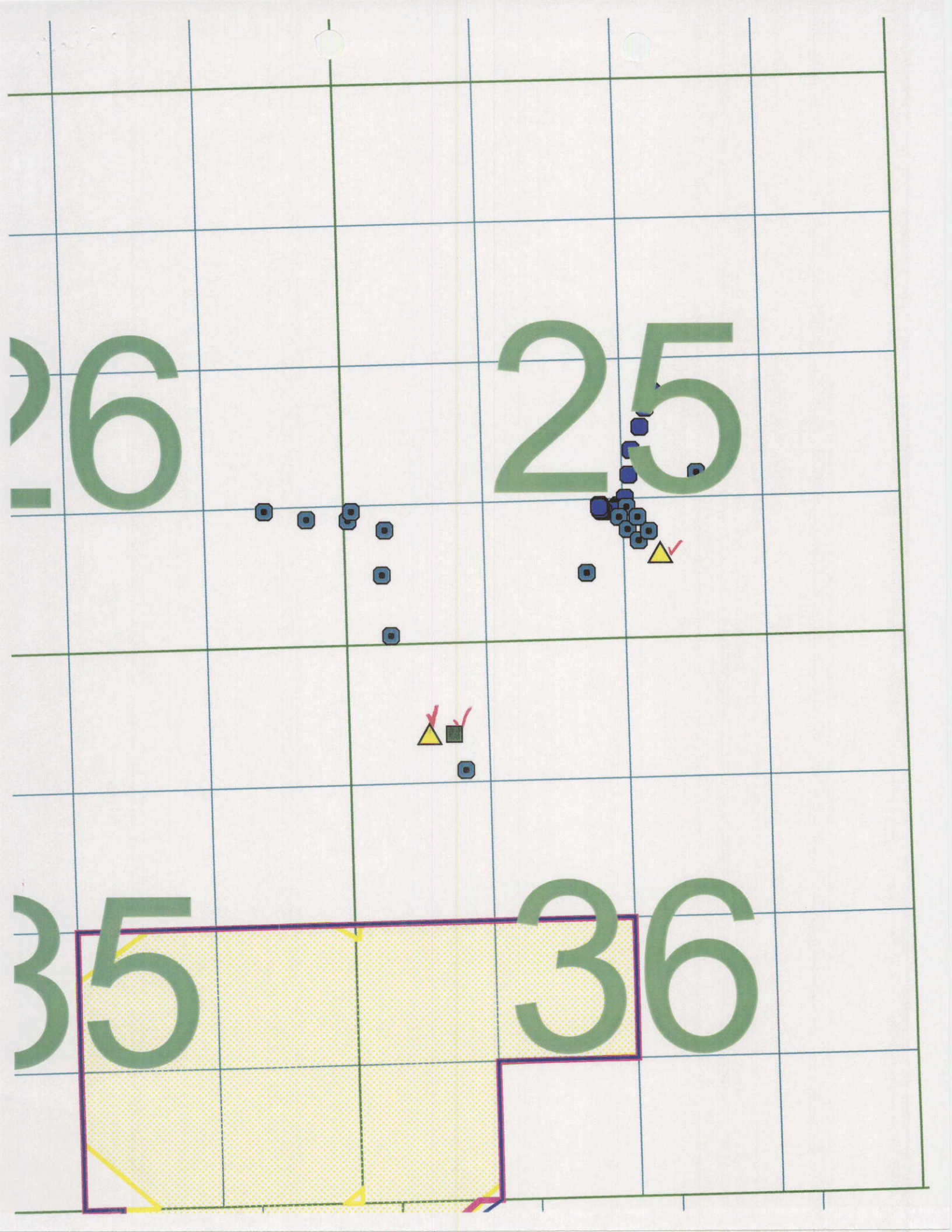
NENW

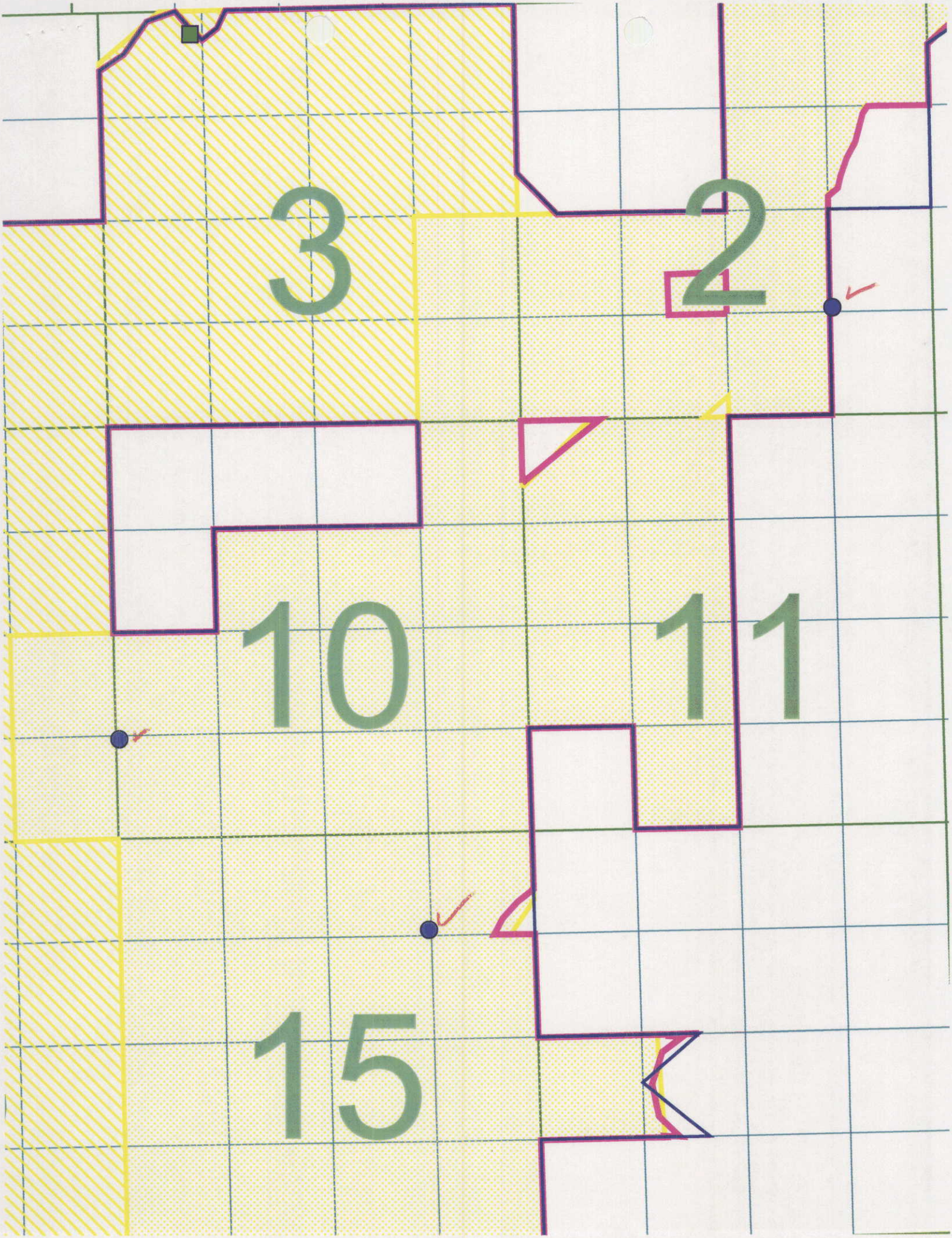

SWSW
SESW
NWNW
NENW
SWNW
SENW
NWSW
NESW
7N 34E
13
SW SWNE
NESW SE
SWSESW
NENW NE
NWNW NW
NE NWNW
SENENE
SW NW NW
SW NE NE
NE SE NE
NWNW
NENW
lot 1
NESWNW
NWSE NW
lot 2
SWNW
SENW
7N 34E
24
7N 34E
23
NWSW
NESW
SWSW
SESW


28
27
26
33
34
35
4
3
2


36
1
12
1


28
27
33
34
4
3
9
10


26
25
35
36


3
2
10
11
15

Contor, Bryce

From: Contor, Bryce
Sent: Monday, October 23, 2000 7:55 AM
To: Carlsen, Ernie; McHugh, Candice
Cc: Music, Vicky; Jones, Harold (Skip)
Subject: Changes to post-1987 transfer 5335

I've finished reviewing this transfer.

1. POU is OK. There is only one substantive difference between the transfer POU and the map negotiated between Mark Larson and the claimants, and the claimants acknowledge the transfer is correct.

2. There are four water rights whose priority date was omitted on the transfer.

3. Water right 31-00328 is approved for 110 cfs on the transfer, but only 100 cfs on the original decree. However, because of combined use limitations this is not as substantial as it seems.

4. The combined use limitations are adequate.

5. The season of use is different than I would have recommended but I think the transferred season is workable.

6. There are significant differences between the transferred list of Points of Diversion and what field inspection shows. The transfer does not recognize the points of injection nor the points of reinjection.

Do I ignore the transfer, ignore the fieldwork, or try to get the transfer amended?

If the transfer needs to be amended, how do I do this and with whom do I work?

Thanks.

State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

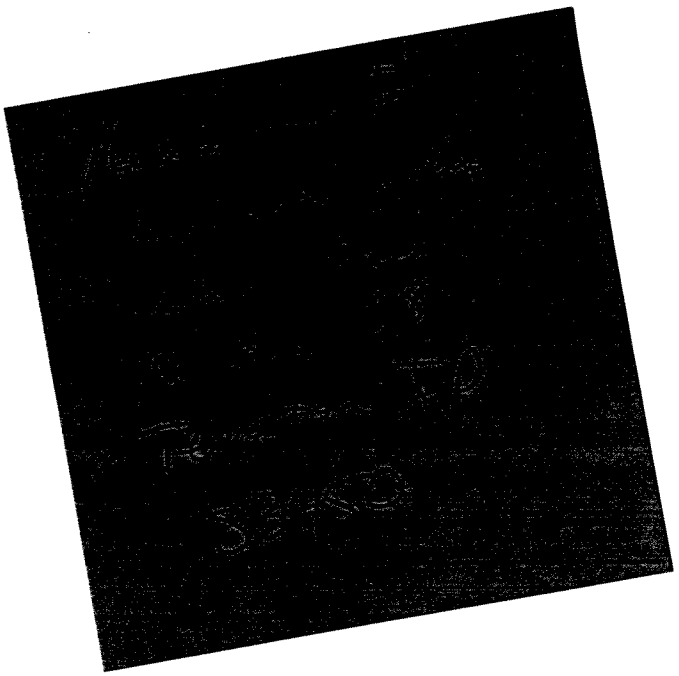
To: Garth Soderquist,
Mud Lake Water Users Inc.
Fr: Bryce Contor
Date: 10/20/2000

Re: Notice of Change of Ownership

Yesterday I forgot to get your signature on the two attached copies of "Notice of Change of Ownership." The surface water claims for Jackett and Holley are not yet in the name of Mud Lake Water Users Inc.

If you could get me a copy of the merger agreement, and sign the notices on the back, I'll get those changed into the correct name.

Thanks,
Bryce A. Contor
Bryce



To: Mud Lake Water Users File
Fr: Bryce Contor
Date: 10/18/2000

Re: Phone conversation with Garth Soderquist

1. There is a Domestic and Stock well at North Lake Well Field not on my list. I told Mr. Soderquist that I'm only reviewing the irrigation records but that I would include a note in the file that he had noted the discrepancy.

2. There are 19 holes in the Artesian Basin, 21 originally but two were poured full of concrete right where the discharge structure was built. Most are on the south end near the hook, four or five in the long stretch to the north. I committed to adjust the GIS shape accordingly.

3. The location I had for the Ashcraft/Hoggan sprinkler well is incorrect. Mr. Soderquist believes it should be 1/2 mile due south of where I put it. In reviewing the WMD files and Mr. Ashcraft's map in NWMD file "Sidney and Jana Ashcraft #1 of 3" I find that Mr. Soderquist is correct.

   The well should be T6N R35E Section 2, SWNESE. This is NWMD Record # 300830, which is not active in the district as it is measured and reported by WD 31.

4. I reviewed with Mr. Soderquist the apparent discrepancy between the GW and SW claims in the SWNW of 6N 35E 22. This is the 40 acres south of Mr. Mickelsen's subdivision. Mr. Soderquist indicates that this is not irrigated by Holley or Mud Lake Water Users. This means the GW shape is correct and the SW claims are incorrect.

5. We have an appointment tomorrow AM to discuss the differences between the GW and SW shapes and to discuss the possibility of amending the Jackett SW claims and filing an enlargement for use of Holley SW on a permissible place of use basis.

6. We will also discuss the 320 acres of Van Burtenshaw's in 6N 34E 11 which is claimed for Holley SW but not included on the GW shape.

Notes of mtg: BAC 10/19/2000

1) N½ 6N 34E 11 is MLWU, should have GW and Holley SW.

2) Holley, Jackett, Dansby surface shapes are OK.

3) Corrected location of Ashcraft/Huggan sprinkler well is OK.

4) except for 6N 34E 11, GW shape as prepared by Mark Larson is OK.

5) Wells are now OK.

PHOTOS OF MUD LAKE WATER USERS WELLS
OCTOBER 9, 2000

SEE ALSO PHOTOS TAKEN IN SUMMER OF
2000 FOR "NORTH LAKE" WELLS AND
POINTS OF REDIVERSION

TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

LOCATION OF POINT(S) OF DIVERSION:

Should be SWSW

Should be lot 2

Lot 4 (SESW), Sec. 18, Township 07N, Range 35E
Lot 1 (NWNW), Sec. 19, Township 07N, Range 35E (2)
SWNW , Sec. 19, Township 07N, Range 35E
SENW , Sec. 19, Township 07N, Range 35E
NESE , Sec. 22, Township 07N, Range 35E
NWSW , Sec. 23, Township 07N, Range 35E
SWSW , Sec. 23, Township 07N, Range 35E
SWSW , Sec. 25, Township 07N, Range 35E (5)
SESW , Sec. 25, Township 07N, Range 35E (7)
NWSE , Sec. 25, Township 07N, Range 35E
SESE , Sec. 26, Township 07N, Range 35E (2)
NWNE , Sec. 27, Township 07N, Range 35E
NENW , Sec. 36, Township 07N, Range 35E
JEFFERSON County

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
06N	34E	3	NENW	26	NWNW	35	SWNW	40	
			SENW	40	NESW	40	NWSW	40	
			SWSW	40	SESW	40	NESE	40	
			NWSE	40	SWSE	40	SESE	40	461
		4	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		5	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		7	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NESE	40	NWSE	40	
			SWSE	40	SESE	40			320
		8	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	

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TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		9	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		10	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	20	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					620
		11	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		13	NWNW	40	SWNW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					400
		14	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NESW	40	NWSW	40	
			SWSW	40	SESW	36	NESE	40	
			NWSE	40	SWSE	27	SESE	37	460
		15	NENW	40	NWNW	40	SWNW	40	
			SENW	40	NESW	40	NWSW	40	
			SWSW	40	SESW	36	NESE	40	
			NWSE	40	SWSE	40	SESE	40	476
		16	NENE	40	NWNE	40	SWNE	40	
			SENE	25	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					625
		17	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	

MICROFILMED
FEB 1 1 1999

TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	20	NWSE	40	SWSE	10	
			SESE	10					560
		20	NENE	30	NWNE	35	SWNE	40	
			SENE	40	NENW	40	NWNW	30	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					615
		21	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	25	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					625
		22	NENE	20	NWNE	20	SWNE	40	
			SENE	40	NENW	36	NWNW	20	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					576
		23	NENE	15	NWNE	40	SWNE	40	
			SENE	40	NENW	35	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					610
		24	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	10	NWNW	30	
			SWNW	40	SENW	30	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					590
		25	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		26	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	

AMENDED
FEB 11 1999

TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		27	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		28	NENE	40	SWNE	40	SENE	40	
			NENW	40	NWNW	40	SWNW	40	
			SENW	40	NESW	40	NWSW	40	
			SWSW	40	SESW	40	NESE	40	
			NWSE	40	SWSE	40	SESE	40	600
		29	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		34	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	SENW	40	
			NESW	40	NWSW	40	SWSW	40	
			SESW	40	NESE	40	NWSE	40	
			SWSE	40	SESE	40			560
		35	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
	35E	1	NWNW	4					4
		2	NENE	40	NWNE	40	SWNE	40	
			SENE	8	NESW	32	NWSW	40	
			SWSW	40	SESW	38	NWSE	40	
			SWSE	40					358
		3	Lot 1(NENE)	41.9	Lot 2(NWNE)	41.7	SWNE	40	
			SENE	40	Lot 3(NENW)	41.5	Lot 4(NWNW)	35	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	

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TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
			SESE	40					640.1
		4	Lot 4 (NWNW)	7		NESW 40		NWSW 40	
			SWSW	40		SESW 40		NESE 40	
			NWSE	40		SWSE 40		SESE 40	327
		5	Lot 1 (NENE)	41.2	Lot	2 (NWNE) 38		SWNE 40	
			SENE	40		NESW 40		SESW 40	
			NESE	40		NWSE 40		SWSE 40	
			SESE	40					399.2
		8	NENE	40		NWNE 40		SWNE 40	
			SENE	40		NENW 40		NWNW 40	
			SWNW	40		SENW 40		NESW 40	
			NWSW	40		SWSW 40		SESW 40	
			NESE	40		NWSE 40		SWSE 40	
			SESE	40					640
		9	NENE	40		NWNE 40		SWNE 40	
			SENE	40		NESW 40		NWSW 40	
			SWSW	40		SESW 40		NESE 40	
			NWSE	40		SWSE 40		SESE 40	480
		10	NENE	40		SWNE 40		SENE 40	
			SENW	40		NESW 40		NWSW 40	
			SWSW	40		SESW 40		NESE 40	
			NWSE	40		SWSE 40		SESE 40	480
		11	NENW	40		NWNW 30		SWNW 40	
			SENW	40		NESW 40		NWSW 40	
			SESW	40					270
		14	NESW	10		NWSW 40			50
		15	NENE	34		NWNE 40		SWNE 40	
			SENE	40		NENW 40		NWNW 40	
			SWNW	40		SENW 40		NESW 40	
			NWSW	40		SWSW 40		SESW 40	
			NESE	40		NWSE 40		SWSE 40	
			SESE	40					634
		16	NENE	40		NWNE 40		SWNE 40	
			SENE	40		NENW 40		NWNW 40	
			SWNW	40		SENW 40		NESW 40	
			NWSW	40		SWSW 40		SESW 40	
			NESE	40		NWSE 40		SWSE 40	
			SESE	40					640
		17	NENE	40		NWNE 40		SWNE 40	
			SENE	40		NENW 40		NWNW 40	
			SWNW	40		SENW 40		NESW 40	

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TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330 31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239 31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A 31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344 31-02345/31-07005

PLACE OF USE: IRRIGATION

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		18	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		19	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		20	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
		22	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	SENW	40	
			NESW	40	NESE	40	NWSE	40	
			SWSE	40	SESE	40			440
		29	NENW	40	NWNW	40	SWNW	40	
			SENW	40	NESW	40	NWSW	40	
			SWSW	10	SESW	40			290
		30	NENE	40	NWNE	40	SWNE	40	
			SENE	40	NENW	40	NWNW	40	
			SWNW	40	SENW	40	NESW	40	
			NWSW	40	SWSW	40	SESW	40	
			NESE	40	NWSE	40	SWSE	40	
			SESE	40					640
07N	34E	32	SESW	40	SWSE	40	SESE	40	120
		33	NWSW	10	SWSW	20	SESW	40	
	35E	32	Lot 8(SWSE)	2	Lot 7(SESE)	18			20
		33	SWSW	1					1
		35	NESE	38	NWSE	34	SWSE	34	
			SESE	38					144
		36	NESW	40	NWSW	40	SWSW	38	118

Total number of acres irrigated: * 24261.3

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TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

CONDITIONS OF APPROVAL AND REMARKS

1. Use of water under this water right will be regulated by the watermaster of State Water District No. 31.
2. The right holder shall use the full allotment of appurtenant surface water rights in conjunction with groundwater diverted under this right and shall only divert groundwater under this right when water from the appurtenant surface water rights cannot be delivered to the right holder.
3. This right shall not be used if the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use.
4. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor more than 3.5 afa per acre at the field headgate for irrigation of the lands above.
5. The right holder shall accomplish the change authorized by this transfer within one (1) year of the date of this approval.
6. Failure of the right holder to comply with the conditions of this transfer is cause for the Director to rescind approval of the transfer.
7. Approval of this transfer does not preclude the opportunity for review of the validity of the water right(s) in the ongoing Snake River Basin Adjudication.
8. Prior to diversion of water under this approval, the right holder shall provide a means of measurement and lockable controlling works from all authorized points of diversion that is acceptable to the watermaster and will provide suitable control of the diversions.

*** 9. The total instantaneous diversion of water from all points of diversion under Transfer 5335 shall not exceed 503.21 cfs during the irrigation season.

10. Approval of Transfer 5335 does not grant any right-of-way or easement for use of a delivery system owned by person(s) other than the right owner.

** 11. Rights 31-00327, 31-00328, 31-00329 and 31-00330 when combined shall not exceed a total diversion rate of 200.00 cfs during the irrigation season, and may be diverted at their full authorized rate of diversion into Mud Lake for storage purposes during the non-irrigation season.

* 12. Right 31-02289 is limited to irrigation of 160.0 acres in the place of use described above in a single irrigation season.

* 13. Right 31-02290 is limited to irrigation of 240.0 acres in the place of use described above in a single irrigation season.

* 14. Right 31-02297 is limited to irrigation of 340.0 acres in the place of use described above in a single irrigation season.

TRANSFER NO. 5335

WATER RIGHT NO(S). 31-00327/31-00328/31-00329/31-00330
31-00331/31-00332/31-00336B/31-00337B/31-00371/31-02239
31-02265/31-02289/31-02290/31-02297/31-02310/31-02317A
31-02317B/31-02321/31-02341/31-02342/31-02343/31-02344
31-02345/31-07005

CONDITIONS OF APPROVAL AND REMARKS

* 15. Right 31-02310 is limited to irrigation of 290.0 acres in the place of use described above in a single irrigation season.
* 16. Right 31-02317A is limited to irrigation of 404.0 acres in the place of use described above in a single irrigation season.
* 17. Right 31-02317B is limited to irrigation of 95.0 acres in the place of use described above in a single irrigation season.
* 18. Right 31-02321 is limited to irrigation of 96.0 acres in the place of use described above in a single irrigation season.
* 19. Rights 31-00336B, 31-00337B, 31-02289, 31-02290, 31-02297, 31-02310, 31-02317A, 31-02317B and 31-02321 when combined shall not exceed the irrigation of 3107.2 acres in the place of use described above in a single irrigation season.
* 20. Right 31-02239 is limited to the irrigation of 13,480.0 acres in the place of use described above in a single irrigation season.
* 21. Right 31-07005 is limited to the irrigation of 17,088.0 acres in the place of use described above in a single irrigation season.
* 22. Rights 31-02239, 31-02265, 31-02341, 31-02342, 31-02343, 31-02344, 31-02345 and 31-07005 when combined shall not exceed the irrigation of 17,240.0 acres in the place of use described above in a single irrigation season.
23. Two points of diversion are located within SESE, S14, T07N, R35E.
24. Two points of diversion are located within Lot 1(NWNW), S19, T07N, R35E.
25. Five points of diversion are located within SWSW, S25, T07N, R35E.
26. Seven points of diversion are located within NWSE, S25, T07N, R35E.
27. Two points of diversion are located within SESE, S26, T07N, R35E.

Dated this 8th day of February, 1999.

J. Glen Saxton

Chief, Water Allocation Bureau

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FEB 11 1999

Mud Lake Water Users Wells

Field Inspection/GPS

	T	R	S	Lot	QQQ	QQ	Q	Notes
1	6N	35E	2		SW	NE	SE	Sid Ashcraft Sprinkler Well
2	6N	35E	10		NW	SW	SW	Kirk Egbert Sprinkler Well
3	6N	35E	15		SE	NW	NE	Bybee Sprinkler Well
4	7N	34E	13		SW	SW	NE	North Lake Wells
5	7N	34E	13		NE	SW	SE	North Lake Wells
6	7N	34E	23		SE	NE	NE	North Lake Wells
7	7N	34E	23		NE	SE	NE	North Lake Wells
8	7N	34E	24		SW	NE	NE	North Lake Wells
9	7N	34E	24		NE	NW	NE	North Lake Wells
10	7N	34E	24		SW	NW	NW	North Lake Wells
11	7N	35E	13		SW	SW	SW	Buck Springs Well
12	7N	35E	13		SW	SW	SW	Buck Springs Well
13	7N	35E	13		SW	SW	SW	Buck Springs Well
14	7N	35E	18		SW	SE	SW	North Lake Wells
15	7N	35E	19	1	NE	NW	NW	North Lake Wells
16	7N	35E	19	1	NW	NW	NW	North Lake Wells
17	7N	35E	19		NW	SE	NW	North Lake Wells
18	7N	35E	19	2	NE	SW	NW	North Lake Wells
19	7N	35E	22		SE	NE	SE	Marty/Jackett
20	7N	35E	23		SW	NW	SW	Marty/Jackett
21	7N	35E	25		NW	NW	SE	Artesian Well - Bybee Field
22	7N	35E	25		NW	NW	SE	Artesian Well - Bybee Field
23	7N	35E	25		NW	NW	SE	Artesian Well - Bybee Field
24	7N	35E	25		SW	NW	SE	Artesian Well - Bybee Field
25	7N	35E	25		SW	NW	SE	Artesian Well - Bybee Field
26	7N	35E	25		SW	NW	SE	Artesian Well - Bybee Field
27	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
28	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
29	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
30	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
31	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
32	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
33	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
34	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
35	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
36	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
37	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
38	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
39	7N	35E	25		NE	SE	SW	Artesian Well - Bybee Field
40	7N	35E	25		NE	SE	SW	Pumped Well - Bybee Field
41	7N	35E	25		SE	SE	SW	Pumped Well - Bybee Field
42	7N	35E	25		NW	SW	SW	Pumped Well - Holley Field
43	7N	35E	25		NW	SW	SW	Pumped Well - Holley Field
44	7N	35E	25		NW	SW	SW	Pumped Well - Holley Field

45	7N	35E	25		SW	SW	SW	Pumped Well - Holley Field					
46	7N	35E	25		SW	SW	SW	Pumped Well - Holley Field					
47	7N	35E	25		SE	NW	SE	Pumped Well - Bybee Field					
48	7N	35E	25		NW	SW	SE	Pumped Well - Bybee Field					
49	7N	35E	25		NW	SW	SE	Pumped Well - Bybee Field					
50	7N	35E	25		NW	SW	SE	Pumped Well - Bybee Field					
51	7N	35E	25		NW	SW	SE	Pumped Well - Bybee Field					
52	7N	35E	25		NW	SW	SE	Pumped Well - Bybee Field					
53	7N	35E	26		NE	SE	SE	Pumped Well - Holley Field					
54	7N	35E	26		NW	SE	SE	Pumped Well - Holley Field					
55	7N	35E	36		SW	NW	NW	Pumped Well - Holley Field					
56	6N	34E	1		NE	SW	SW	Point of Rediversion - Van Burtenshaw Pump Channel					
57	6N	34E	1		NE	SE	SW	Point of Rediversion - Owsley Main Lift Channel					
58	6N	34E	2		NE	SW	NW	Point of Rediversion - Dave Burtenshaw Pump Channel					
59	6N	35E	4		NE	NW	NW	Point of Rediversion - Jackett West Lift					
60	6N	35E	3		NE	NW	NW	Point of Rediversion - Jackett Main Lift Channel					
61	7N	34E	4		NW	SW	SW	Point of Rediversion - Sparks Lift Channel					
62	7N	35E	36		SE	NW	NW	Point of Rediversion - Holley Camas Creek Pump					
63	7N	34E	34		SW	NW	NE	Point of Injection - North Lake Canal					
64	7N	35E	34		SW	NW	SE	Point of Injection - Independent/Jackett Ditch					
65	7N	35E	36		SE	NW	NW	Point of Injection - Holley Wells Bypass Ditch					
66	7N	35E	25		NW	SW	SE	Point of Injection - Bybee Well Field					
	All of the "Pumped Wells" are located by GPS.												
	GPS and USGS topo were used to define the extent of the Artesian Basin, and wells												
	were located within this extent by interview with Garth Soderquist of MLWU.												
	6N 35E 10 "Sprinkler Well" was located by GPS. Others located												
	by legal description of older transfers which authorized these wells,												
	and field inspection by North Water Measurement District.												
	Points of Injection and Rediversion located using GIS from aerial photography												
	and field inspection.												

Contor, Bryce

From: McHugh, Candice
Sent: Monday, October 30, 2000 3:04 PM
To: Contor, Bryce
Cc: Carlsen, Ernie
Subject: T5335

Bryce --

I suggest that you try to get the transfer amended. I believe the process is to write a memo to Dave Tuthill explaining the problems with the transfer and requesting they be fixed and why. He will then take it to allocations. Let me know what happens. Thanks

Candice

Mud Lake Water Users Wells

Field Inspection/GPS

	T	R	S	Lot	QQQ	QQ	Q	Notes
1	6N	35E	2		SW	NE	SE	One Sprinkler Well
2	6N	35E	10		NW	SW	SW	One Sprinkler Well
3	6N	35E	15		SE	NW	NE	One Sprinkler Well
4	7N	34E	13		SW	SW	NE	One Pumped Well
5	7N	34E	13		NE	SW	SE	One Pumped Well
6	7N	34E	23		SE	NE	NE	One Pumped Well
7	7N	34E	23		NE	SE	NE	One Pumped Well
8	7N	34E	24		SW	NE	NE	One Pumped Well
9	7N	34E	24		NE	NW	NE	One Pumped Well
10	7N	34E	24		SW	NW	NW	One Pumped Well
11	7N	35E	13		SW	SW	SW	Three Pumped Wells
12	7N	35E	13		SW	SW	SW	Three Pumped Wells
13	7N	35E	13		SW	SW	SW	Three Pumped Wells
14	7N	35E	18		SW	SE	SW	One Pumped Well
15	7N	35E	19	1	NE	NW	NW	One Pumped Well
16	7N	35E	19	1	NW	NW	NW	One Pumped Well
17	7N	35E	19		NW	SE	NW	One Pumped Well
18	7N	35E	19	2	NE	SW	NW	One Pumped Well
19	7N	35E	22		SE	NE	SE	One Pumped Well
20	7N	35E	23		SW	NW	SW	One Pumped Well
21	7N	35E	25		NW	NW	SE	Three Artesian Wells
22	7N	35E	25		NW	NW	SE	Three Artesian Wells
23	7N	35E	25		NW	NW	SE	Three Artesian Wells
24	7N	35E	25		SW	NW	SE	Three Artesian Wells
25	7N	35E	25		SW	NW	SE	Three Artesian Wells
26	7N	35E	25		SW	NW	SE	Three Artesian Wells
27	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
28	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
29	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
30	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
31	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
32	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
33	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
34	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
35	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
36	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
37	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
38	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
39	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
40	7N	35E	25		NE	SE	SW	One Pumped and Thirteen Artesian Wells
41	7N	35E	25		SE	SE	SW	One Pumped Well
42	7N	35E	25		NW	SW	SW	Three Pumped Wells
43	7N	35E	25		NW	SW	SW	Three Pumped Wells
44	7N	35E	25		NW	SW	SW	Three Pumped Wells

45	7N	35E	25		SW	SW	SW	Two Pumped Wells					
46	7N	35E	25		SW	SW	SW	Two Pumped Wells					
47	7N	35E	25		SE	NW	SE	One Pumped Well					
48	7N	35E	25		NW	SW	SE	Five Pumped Wells					
49	7N	35E	25		NW	SW	SE	Five Pumped Wells					
50	7N	35E	25		NW	SW	SE	Five Pumped Wells					
51	7N	35E	25		NW	SW	SE	Five Pumped Wells					
52	7N	35E	25		NW	SW	SE	Five Pumped Wells					
53	7N	35E	26		NE	SE	SE	One Pumped Well					
54	7N	35E	26		NW	SE	SE	One Pumped Well					
55	7N	35E	36		SW	NW	NW	One Pumped Well					
56	6N	34E	1		NE	SW	SW	Point of Rediversion - Van Burtenshaw Pump Channel					
57	6N	34E	1		NE	SE	SW	Point of Rediversion - Owsley Main Lift Channel					
58	6N	34E	2		NE	SW	NW	Point of Rediversion - Dave Burtenshaw Pump Channel					
59	6N	35E	4		NE	NW	NW	Point of Rediversion - Jackett West Lift					
60	6N	35E	3		NE	NW	NW	Point of Rediversion - Jackett Main Lift Channel					
61	7N	34E	4		NW	SW	SW	Point of Rediversion - Sparks Lift Channel					
62	7N	35E	36		SE	NW	NW	Point of Rediversion - Holley Camas Creek Pump					
63	7N	34E	34		SW	NW	NE	Point of Injection - North Lake Canal					
64	7N	35E	34		SW	NW	SE	Point of Injection - Independent/Jackett Ditch					
65	7N	35E	36		SE	NW	NW	Point of Injection - Holley Wells Bypass Ditch					
66	7N	35E	25		NW	SW	SE	Point of Injection - Bybee Well Field					

All of the "Pumped Wells" are located by GPS.

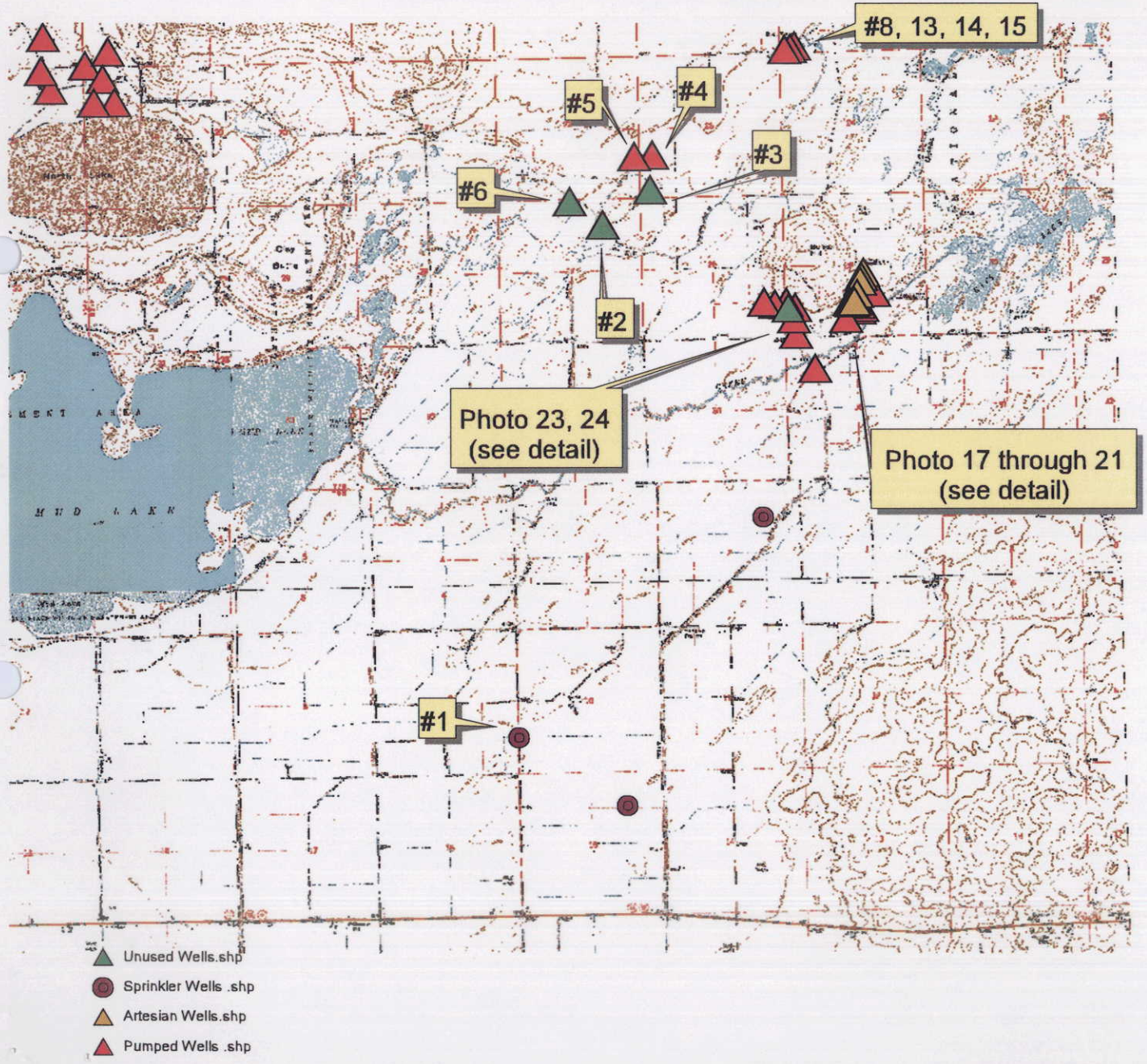
GPS was used to define the extent of the Artesian Basin, and wells were located within this extent by interview with Garth Soderquist.

6N 35E 10 "Sprinkler Well" was located by GPS. Others located by legal description of older transfers which authorized these wells.

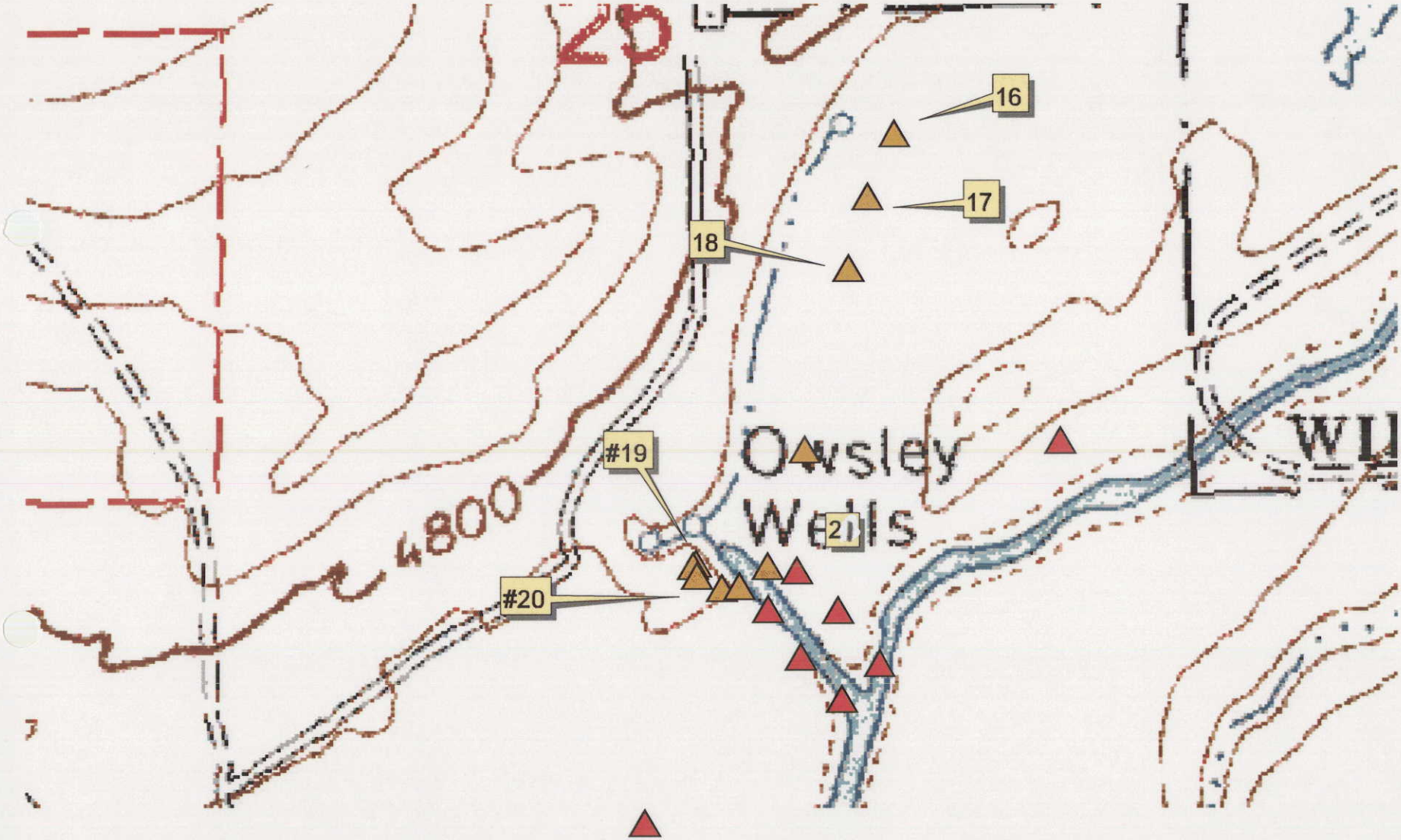
Points of Injection and Rediversion located visually on GIS from aerial photography.

Mud Lake Water Users Wells
October, 2000

SCANNED
NOV U 8 2002

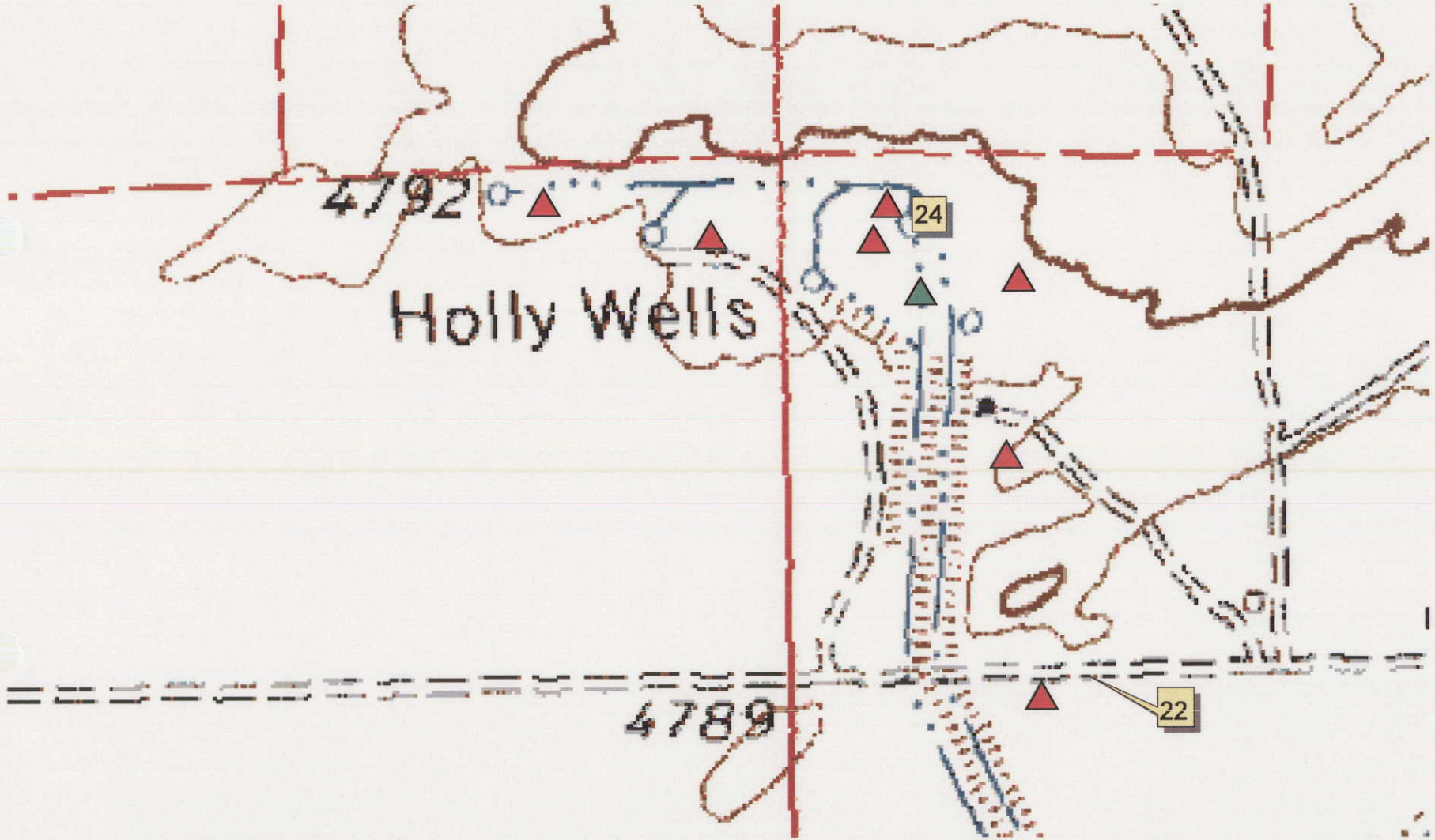


Mud Lake Water Users Wells
October, 2000



- Unused Wells.shp
- Sprinkler Wells .shp
- Artesian Wells.shp
- Pumped Wells .shp

Mud Lake Water Users Wells
October, 2000



Unused Wells.shp
Sprinkler Wells .shp
Artesian Wells.shp
Pumped Wells .shp

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.

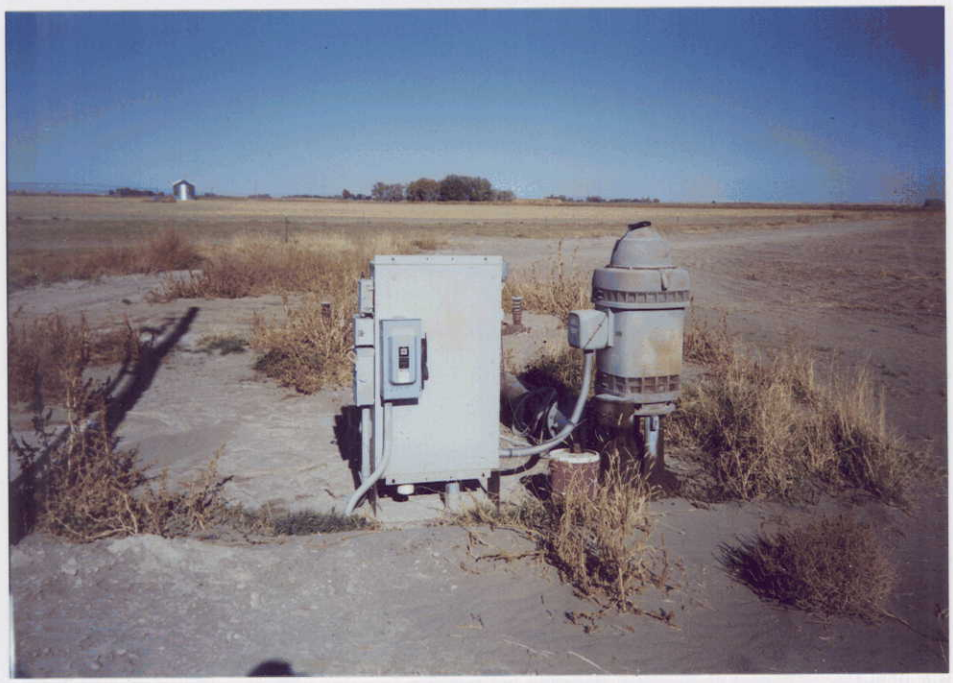


Photo #1, Kirk Egbert Well (#1 on map), looking northeast.

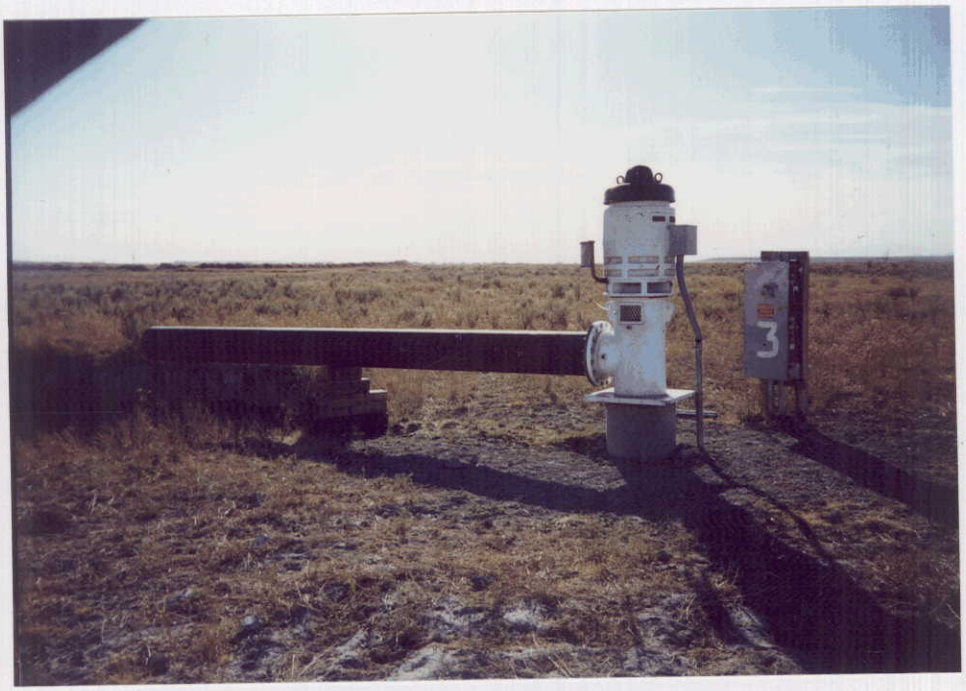


Marty/Jackett #1 (Photo #2 on map). Note that panel is marked "#4." "#1" is from map at MLWU headquarters

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.



Marty/Jackett Well #2 (Photo #3). Note that panel is marked "#3." "#2" is from map at MLWU headquarters.



Marty/Jacket #3 (Photo #4).

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.

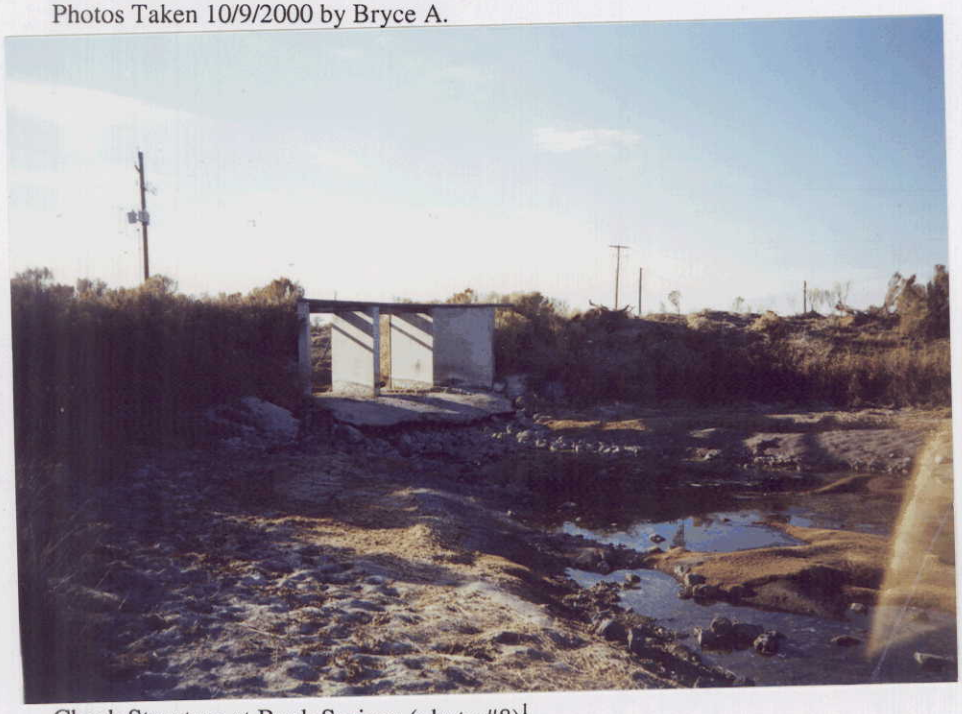


Marty/Jackett #4 (photo #5).



Marty/Jackett #5 (photo #6)

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.



Check Structure at Buck Springs (photo #8)[1]



Buck Springs "East" Well (photo #13).

[1] Photos 7, 9-12 are Independent Water Users diversions.

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.



Buck Springs Well #2 (Photo #14).



Buck Springs Well #1 (Photo #15).

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.

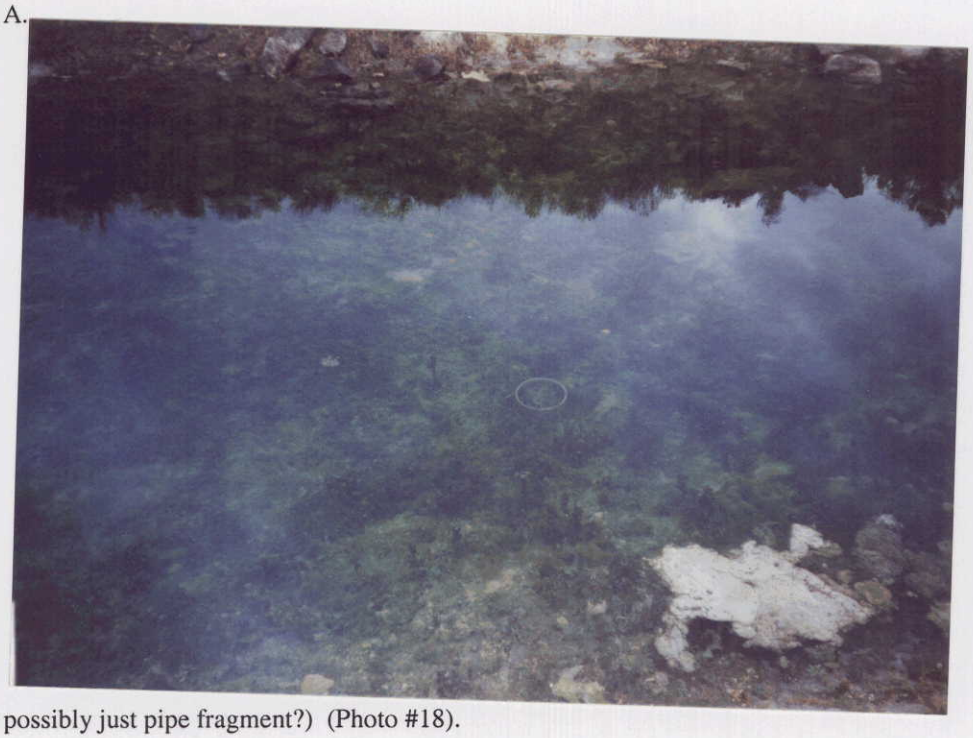


Bybee Artesian at north end of artesian basin (Photo #16).



Bybee artesian well (Photo #17).

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.



Bybee artesian well in channel (or possibly just pipe fragment?) (Photo #18).



Bybee artesian well at tip of "hook" of artesian basin (Photo # 19).

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.



Bybee artesian well (Photo #20).



Bybee pumped wells, looking SW from location "21" on map.

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.



Bybee Pumped wells looking SSW from point "21" on map.



Bybee pumped wells looking S from location "21" on map.

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.



Holley pumped well #7 (Photo #22)

(photo failed)

Holley pumped well #6 (Photo #23)

Mud Lake Water Users Points of Diversion
Photos Taken 10/9/2000 by Bryce A.

(photo failed)

Holley pumped wells, looking west from point "24" on map



Holley pumped well #5 (located near label "24" on map).

State of Idaho
DEPARTMENT OF WATER RESOURCES
900 N. Skyline Dr., Suite A, Idaho Falls, Idaho 83402-1718 - (208) 525-7161- Fax (208) 525-7177

EASTERN REGION

DIRK KEMPTHORNE
GOVERNOR

KARL J. DREHER
DIRECTOR

October 11, 2000

Garth Soderquist
Mud Lake Water Users
PO Box 68
Terreton, ID 83450

Re: Location of MLWU Wells

Dear Mr. Soderquist:

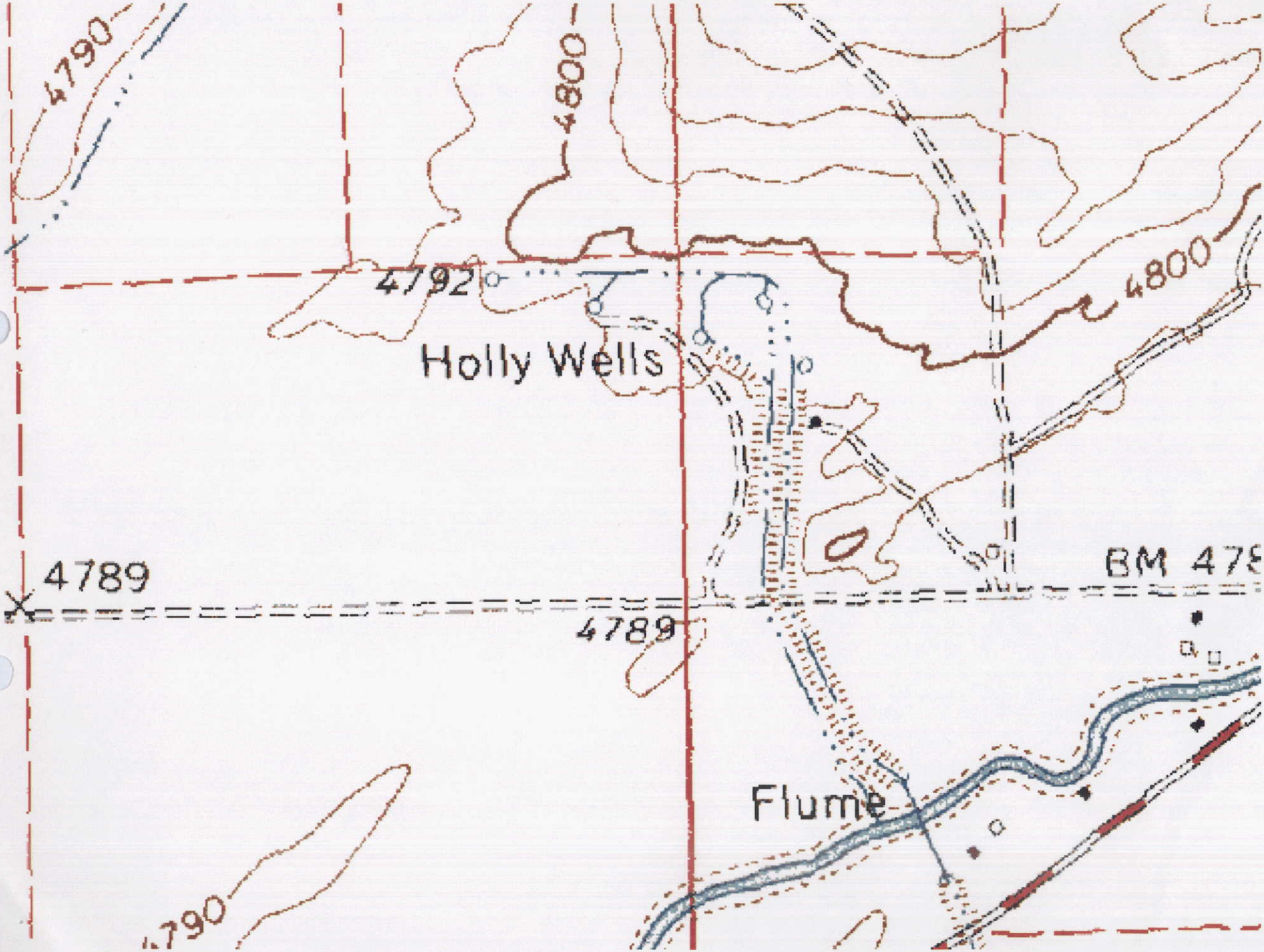
Please review the enclosed maps and let me know if we've correctly identified all of the Mud Lake Water Users wells.

I'll be out of town the rest of the week but you may contact me at home this weekend or at the office next Monday.

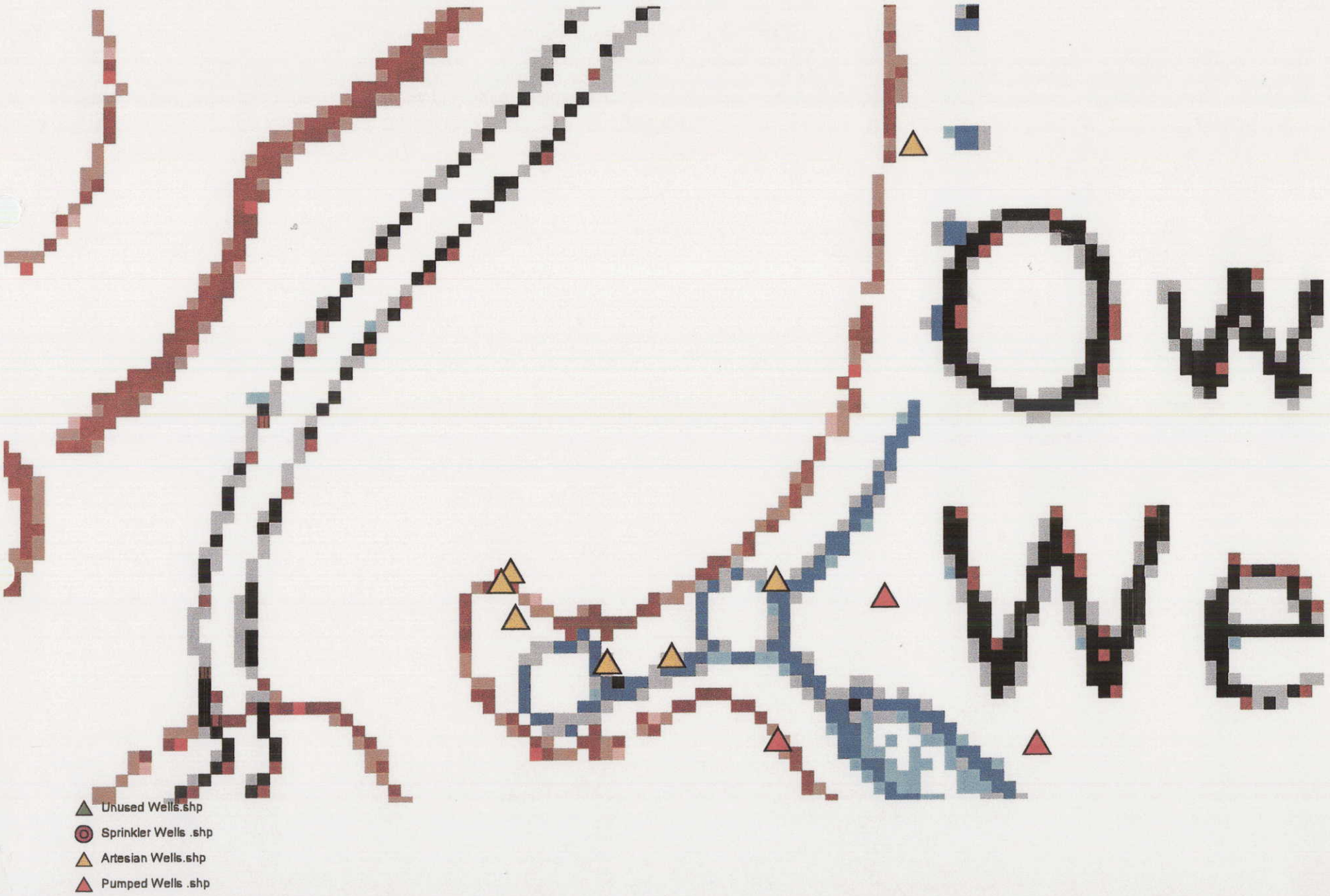
Thank you,

Bryce A. Contor

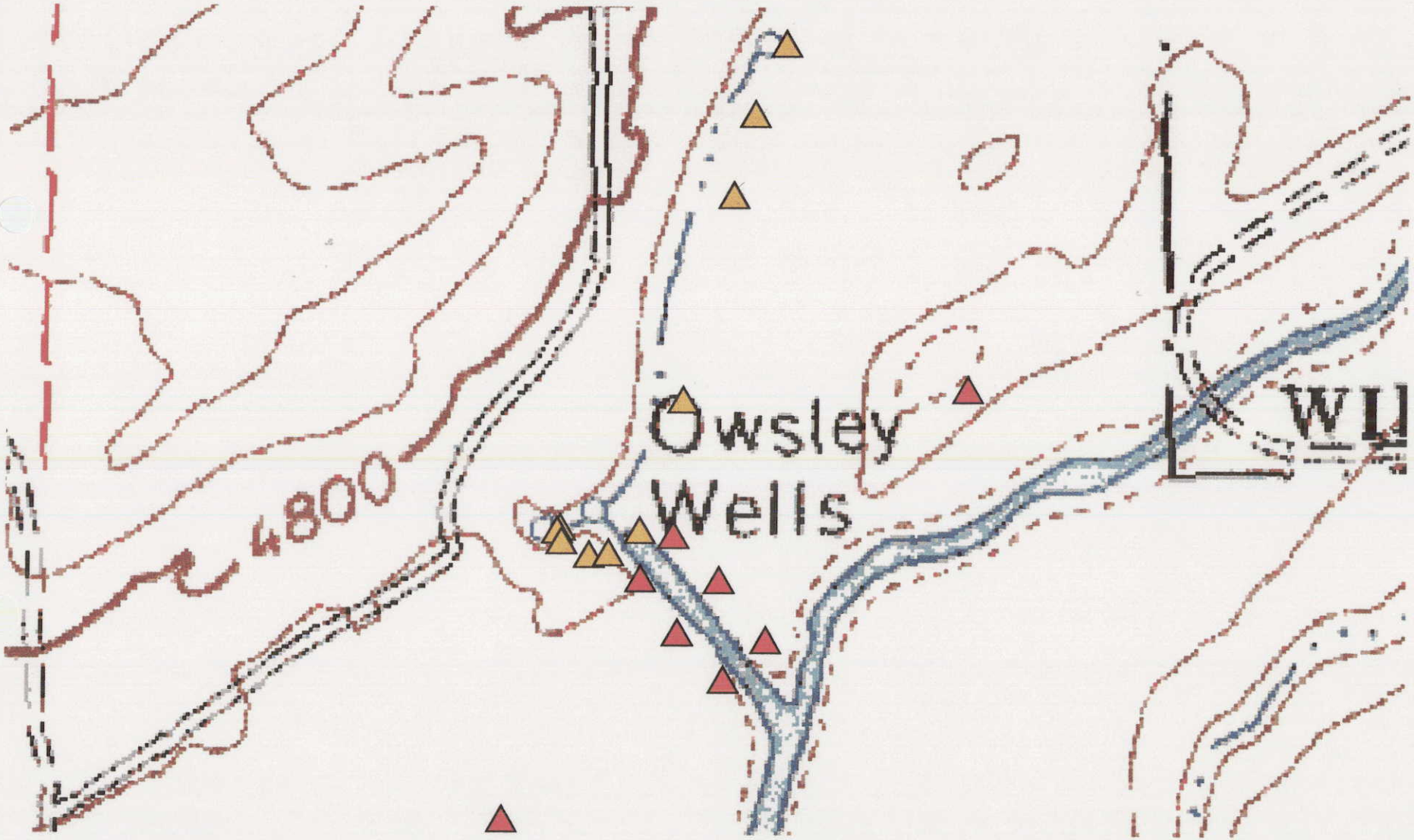
Bryce A. Contor
Senior Water Resource Agent


4790
4800
4792
Holly Wells
4800
4789
4789
BM 47
Flume
790

Mud Lake Water Users Wells
October, 2000

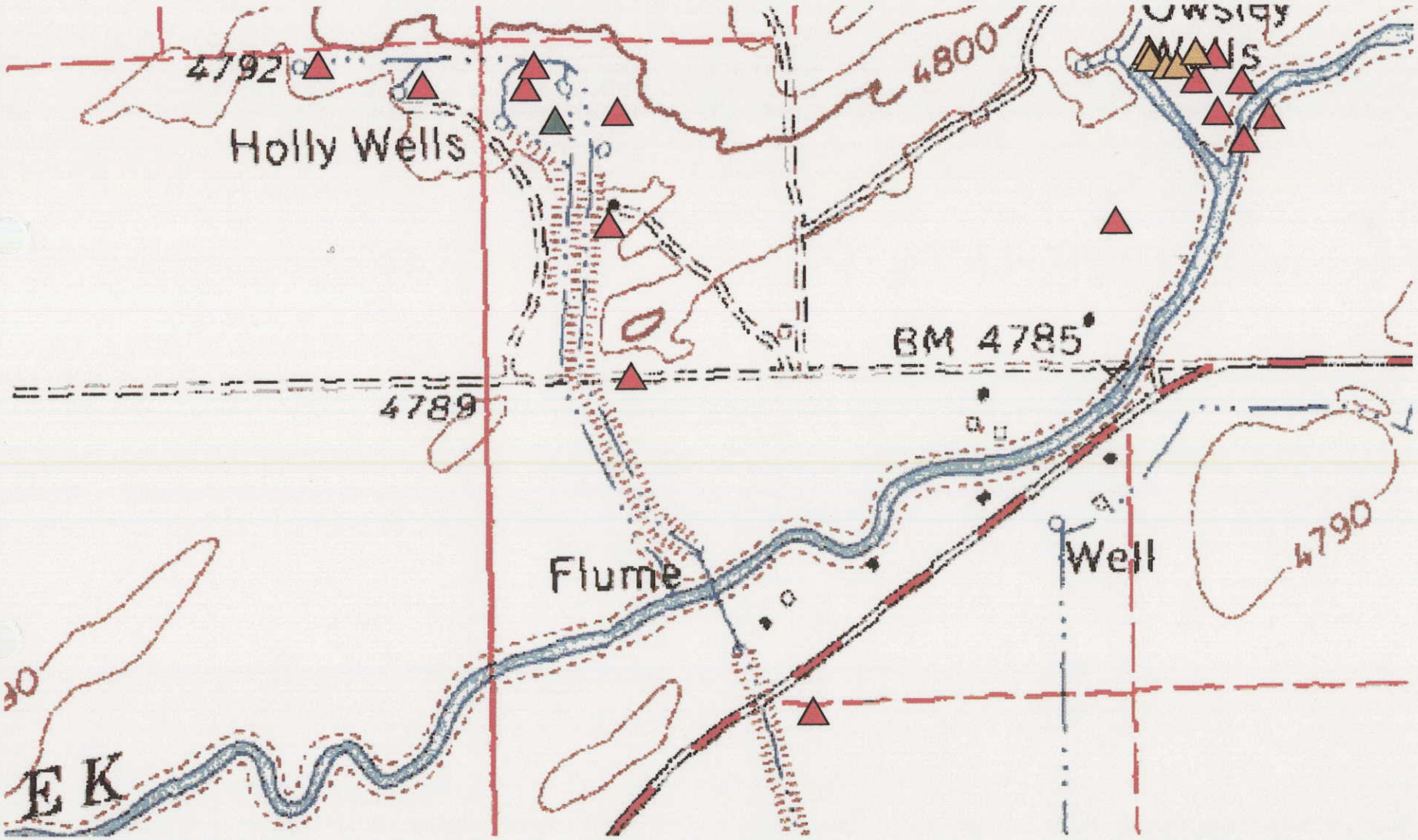


Mud Lake Water Users Wells
October, 2000



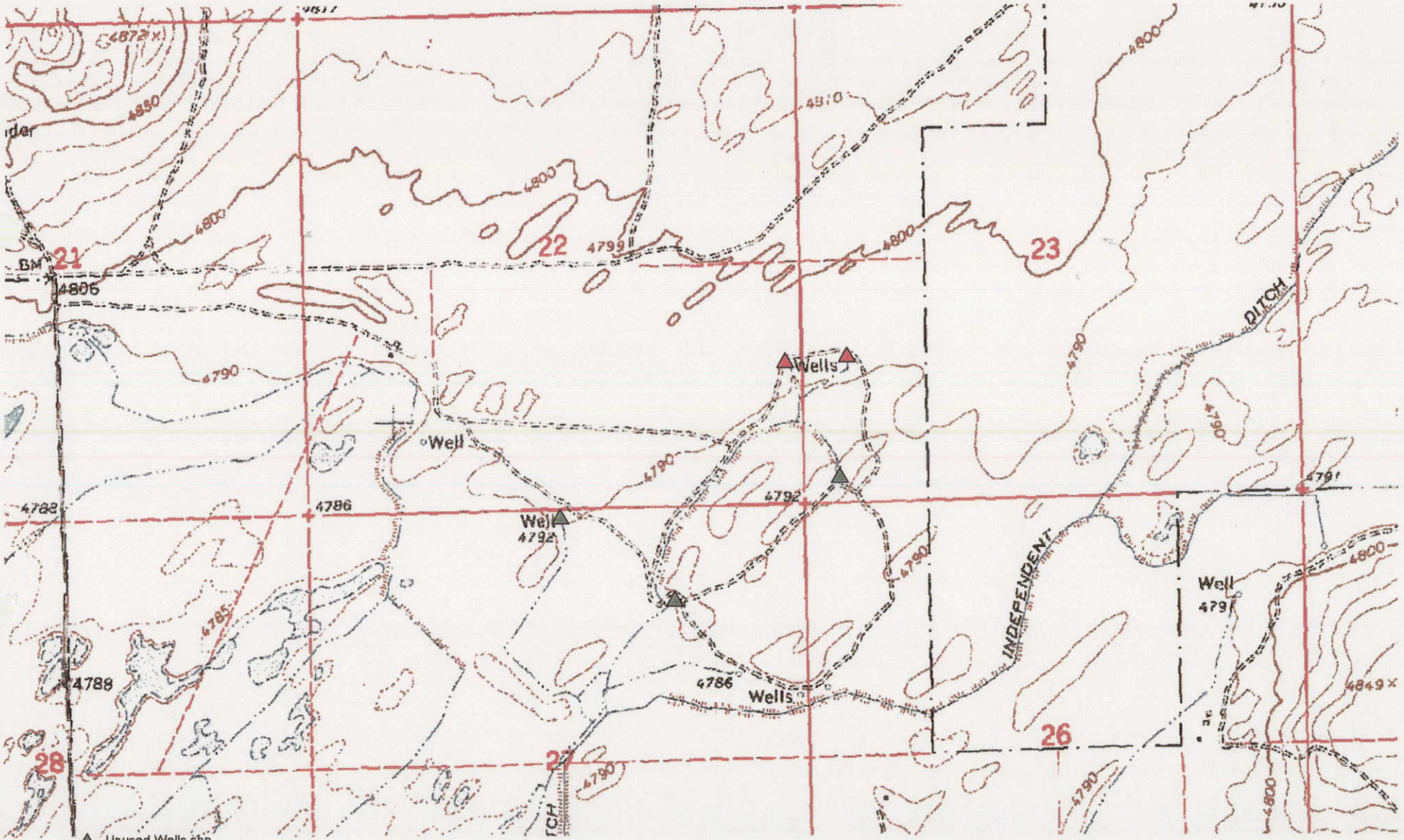
- Unused Wells.shp
- Sprinkler Wells .shp
- Artesian Wells.shp
- Pumped Wells .shp

Mud Lake Water Users Wells
October, 2000

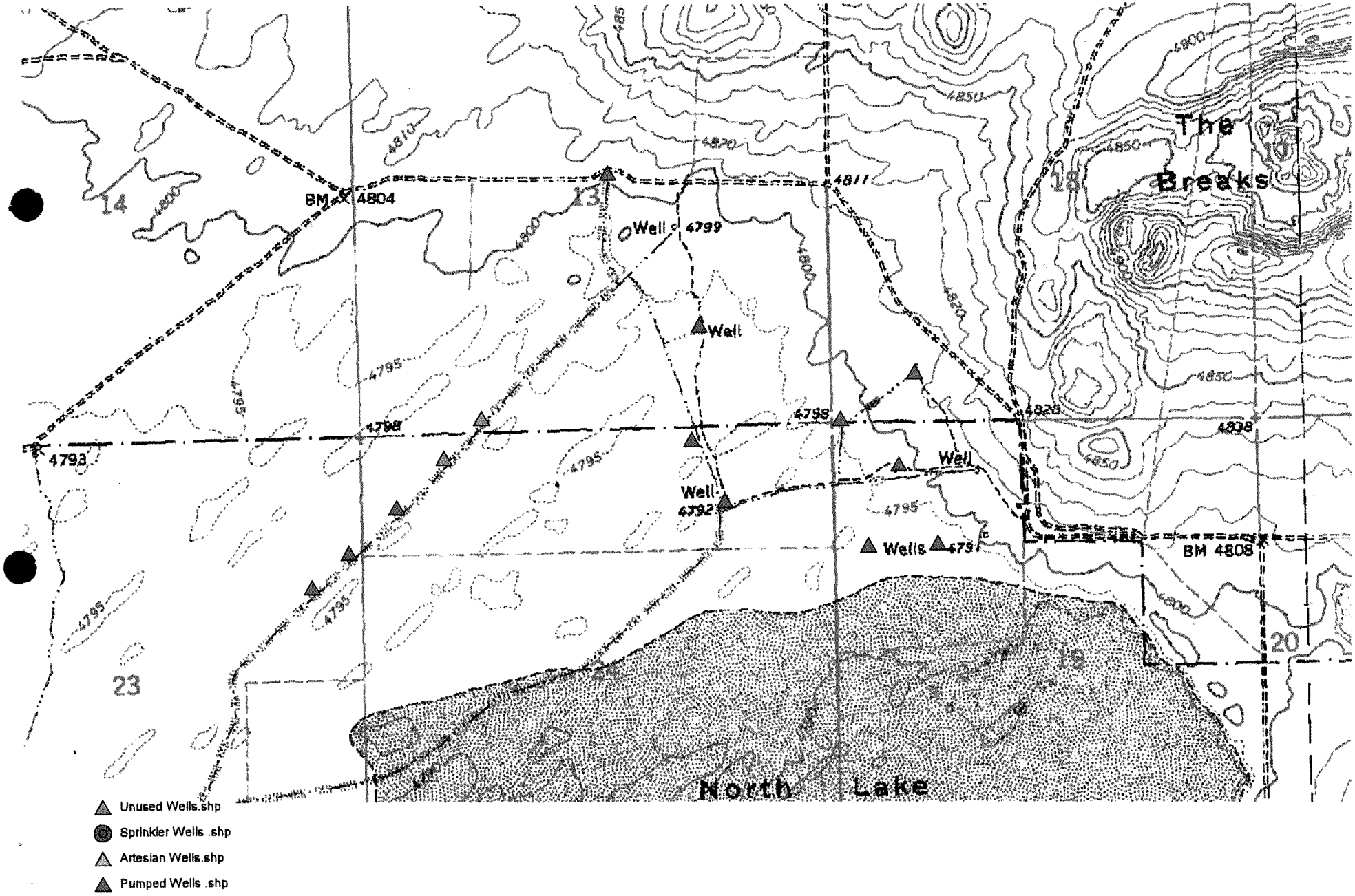


- Unused Wells.shp
- Sprinkler Wells .shp
- Artesian Wells.shp
- Pumped Wells .shp

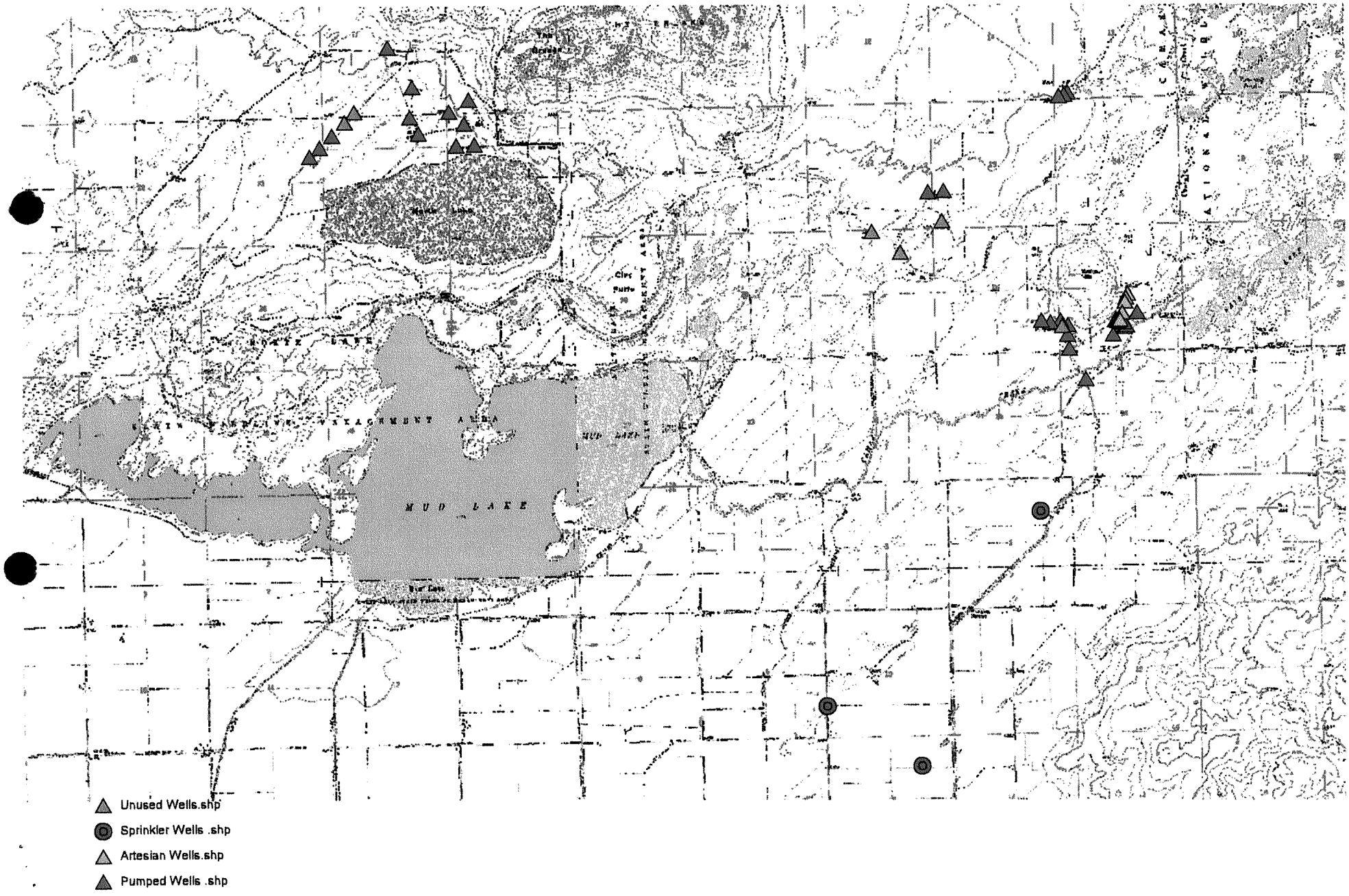
Mud Lake Water Users Wells
October, 2000



Mud Lake Water Users Wells
October, 2000



Mud Lake Water Users Wells
October, 2000



MLWW Field Work 10/9/2000

1) Kirk Egbert well — 0633780 E
Offset zero — 0307824 N

2) Marty/Jacket #4 — 0634729 E
~~Offset~~ zero. — 0313625 N
(#1 on map?)

3) Marty/Jackett #3 — 0635267 E
Offset 1 meter S — 0314021 N
(#2 on map?)

4) Marty/Jackett #3 — WPT 11 averaged
Offset 2 m W — 063 5289 E
(#3 on map) — 0314410 N

5) Marty/Jackett #4 — 0635087 E
Offset 1 m S — 0314394 N
(#4 on map)

6) Marty/Jacket #5 — 0634356 E
Offset 1 m S — 0313888 N
(#5 on map)

-4549563

B Counter
MLWV / Independent WV Field work 10/9/00 p2

Buck Springs

7) Independent pump #1 0637131 E
100 hp motor nameplate 0315600 N
offset zero

8) Check structure @ 0637078 E
Buck Springs 0315658 N
offset zero

9) Buck Springs
Independent pump #3 0637101 E
75 hp motor nameplate 0315725 N
offset 1 meter S

10) Buck Springs
Independent # (not numbered at site)
100 hp motor nameplate 0637005 E
offset 2 meter S. 0315754 N

12) Buck Springs
Independent # (not numbered) 0636991 E
200 hp motor nameplate 0315663 N

B Conton
MLWU / Independent Lab Field work 10/9/00
p 3

13) Buck Springs 0636901 E
MLWU East well 0315640 N
Offset 4 meters west

14) Buck Springs 0636853 E
MLWU #2 0315611 N
offset zero

15) Buck Springs 0636788 E
MLWU #1 0315595 N
offset 3 m S 1m E

16) Bybee - GPS Waypoints 12-21 10/10/00
Artesian wells. 12 & 14 offset ≈ zero
other well is 2-5 meters
into channel. Note I
may not have gotten all the wells.
Not all photographed.

B Contor MLWU Field work 10/10/00

Pumped well # 13	0637604 E
	0312752 N
pumped well #12	0637582 E
	0312723 N
pumped well #14	0637607 E
	0312687 N
pumped well #16	0637638 E
	0312655 N
pumped well #17	0637667 E
	0312682 N
Camas creek pump #20	0637703 E
	0312643 N
pumped well # 15	0637635 E
	0312722 N
pumped well #19	0637804 E
	0312851 N
pumped well #18	0637489 E
	0312561 N

B Coulter MLWU Field work 10/10/00
Holley well field.

1) Pumped well #7 — 0636927 E
offset 4 m W — 0312381 N
(pump 4 m W of GPS)

2) Pumped well #6 — 0636907 E
offset 10 M West — 0312557 N

3) Pumped well #5 — 0636906 E
offset zero — 0312687 N

4) Unused well — 0636836 E
offset 2 m E 2 m S — 0312679 N

5) pumped well #4 — 0636799 E
offset zero — 0312715 N

6) pumped well #3 — 0636809 E
offset zero — 0312741 N

B Contor – MCWV field work 10/10/00

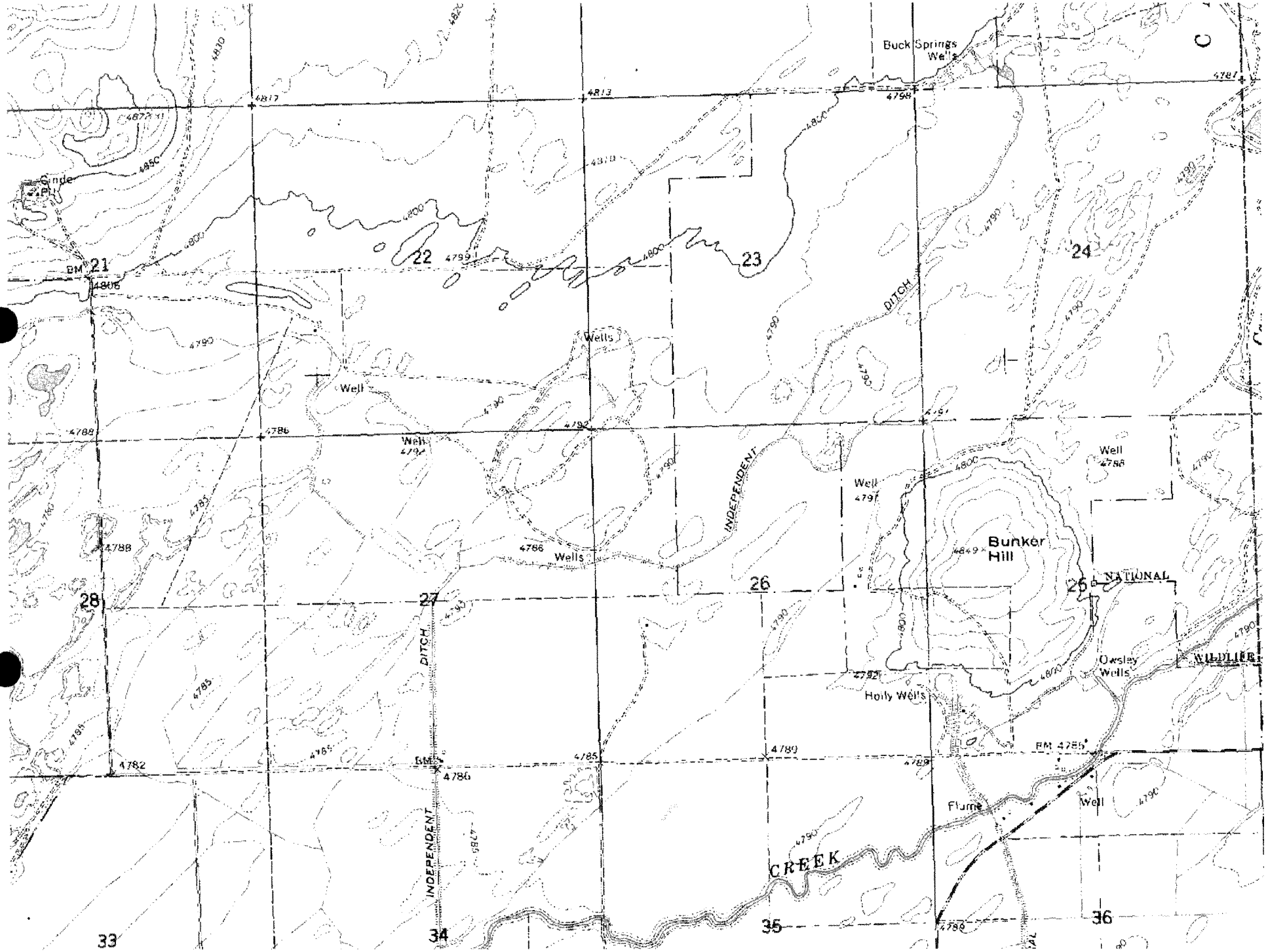
Holley well field

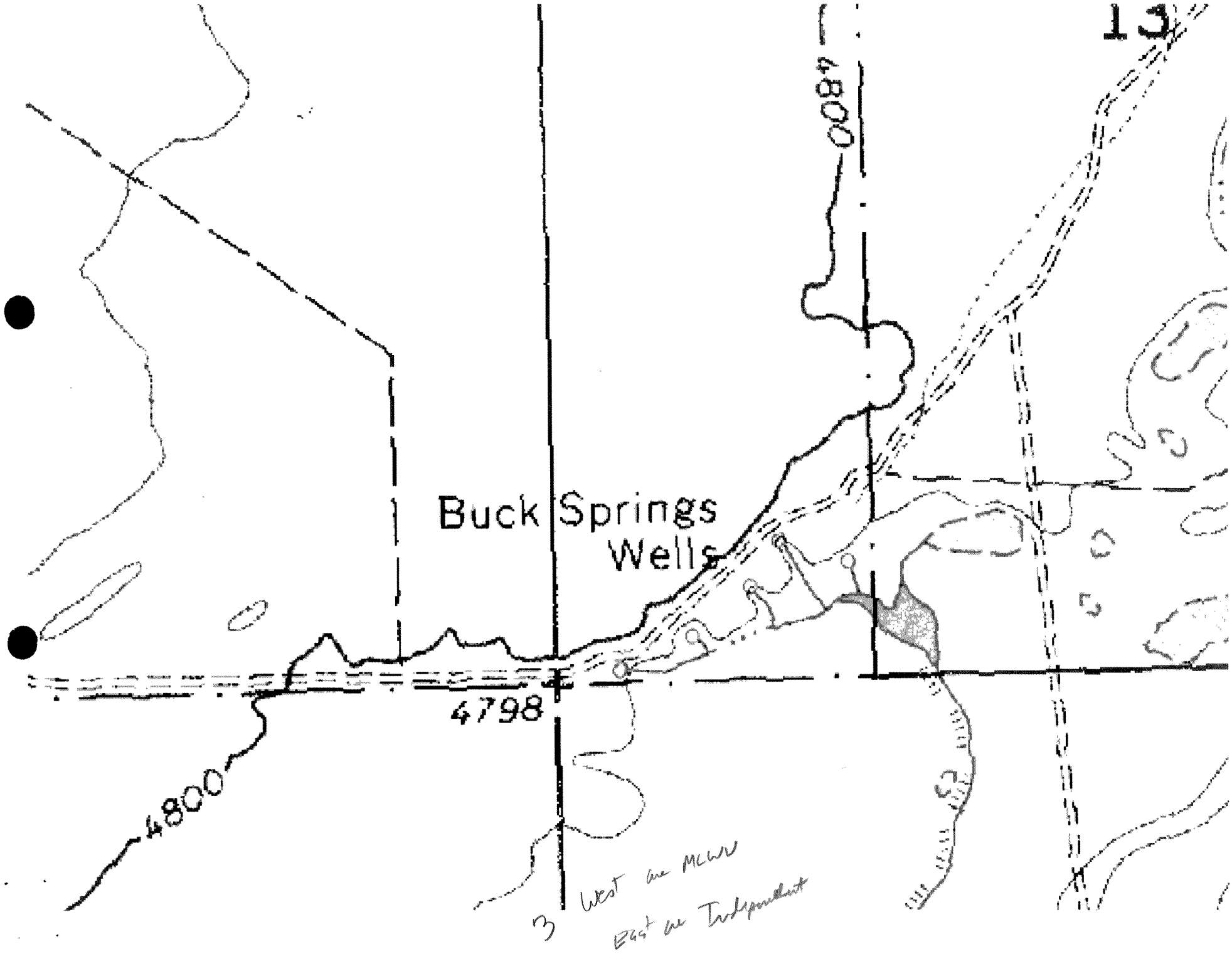
7) Pumped well #2 0636680 E
Offset zero 0312718 N

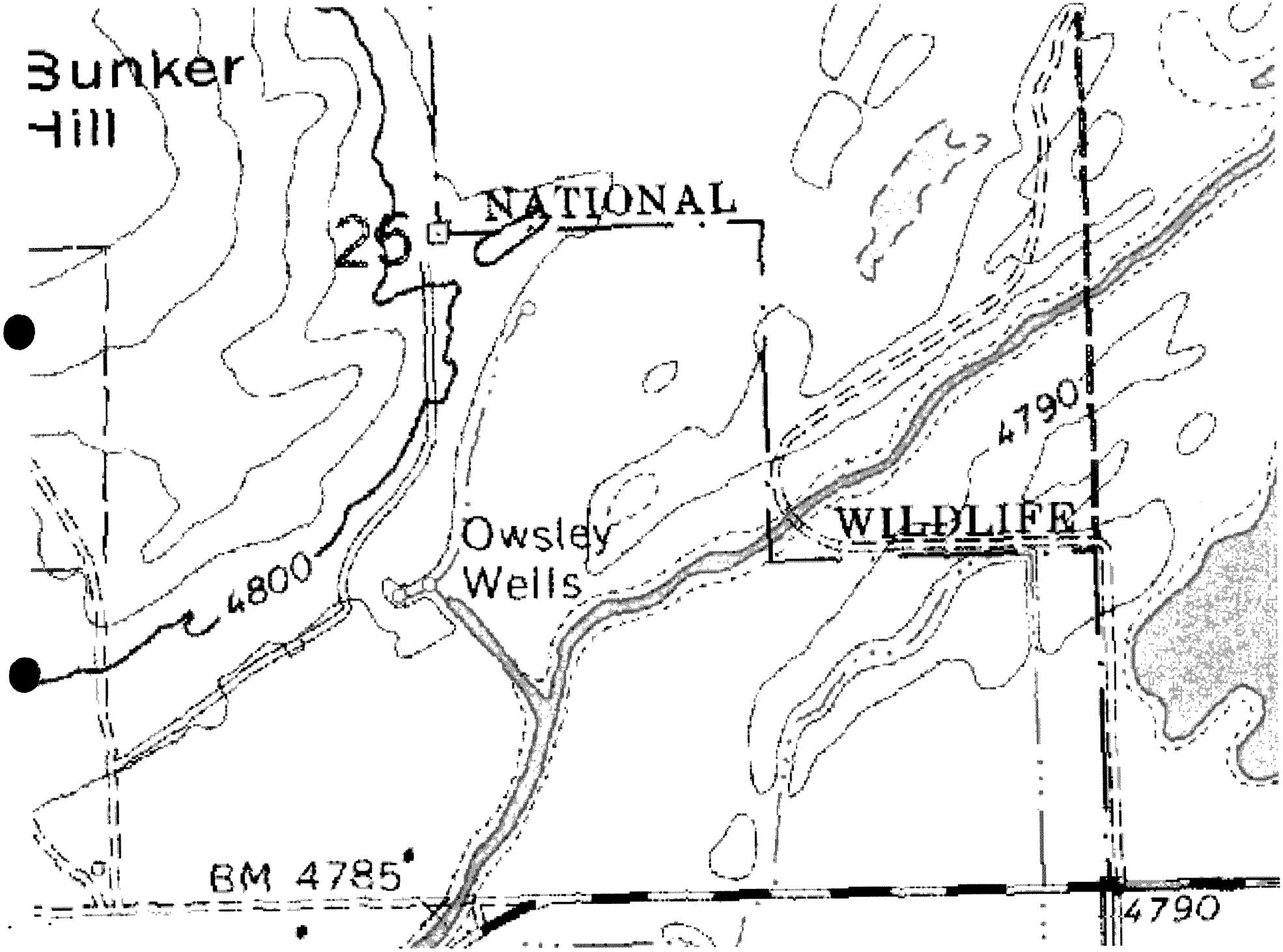
5) Pumped well #1 0636558 E
offset zero 0312742 N

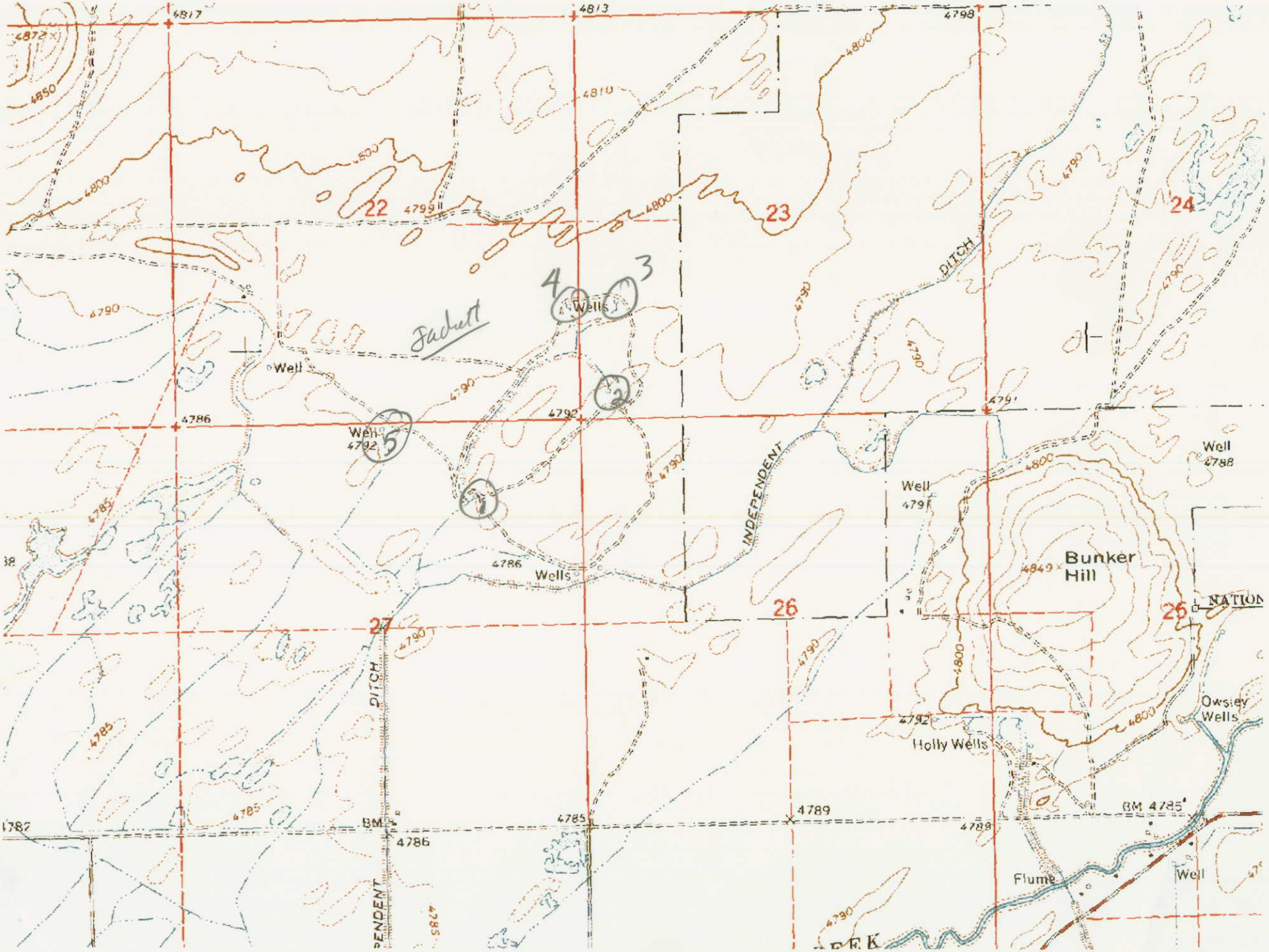
Note these values are adjusted for instrument offsets.

Kirk Egbert	Sprinkler W	633780	307824	
Marty/Jack	Unused W	634729	313625	Panel labeled #4
Marty/Jack	Unused W	635267	314021	Panel labeled #3
Marty/Jack	Pumped W	635289	314410	Panel labeled #3
Marty/Jack	Pumped W	635087	314393	Panel labeled #4
Marty/Jack	Unused W	634356	313889	
Buck Sprin	Pumped W	637131	315600	100 hp motor nameplate
Buck Sprin	Check Stru	637078	315658	
Buck Sprin	Pumped W	637101	315726	75 hp motor nameplate
Buck Sprin	Pumped W	637005	315756	100 hp motor nameplate, not numbered at site
Buck Sprin	Pumped W	636991	315663	200 hp motor nameplate, not numbered at site
Buck Sprin	Pumped W	636897	315640	
Buck Sprin	Pumped W	636853	315611	
Buck Sprin	Pumped W	636788	315595	Stockwell approx 15 meters south, no GPS reading taker
Bybee	Artesian	637678	313084	
Bybee	Artesian	637652	313039	Well 4 meters into channel. Poor GPS coverage
Bybee	Artesian	637643	312982	
Bybee	Artesian	637610	312844	Well 3 meters into channel.
Bybee	Artesian	637527	312761	Well into channel 4 meters
Bybee	Artesian	637525	312759	Well into channel 4 meters
Bybee	Artesian	637527	312748	Well into channel 2 meters
Bybee	Artesian	637548	312743	Well into channel 3 meters
Bybee	Artesian	637560	312743	Well into channel 3 meters
Bybee	Artesian	637584	312754	Well into channel 6 meters, east-west location imprecise.
Bybee #13	Pumped W	637604	312752	
Bybee #12	Pumped W	637582	312723	
Bybee #14	Pumped W	637607	312687	
Bybee #16	Pumped W	637638	312655	
Bybee #17	Pumped W	637667	312682	
Bybee #20	Camas Cre	637703	312643	
Bybee #15	Pumped W	637635	312722	
Bybee #19	Pumped W	637804	312851	
Bybee #18	Pumped W	637489	312561	
Holley #7	Pumped W	636923	312381	
Holley #6	Pumped W	636897	312557	
Holley #5	Pumped W	636906	312687	
Holley	Unused W	636834	312677	
Holley #4	Pumped W	636799	312715	
Holley #3	Pumped W	636809	312741	
Holley #2	Pumped W	636680	312718	
Holley #1	Pumped W	636558	312742	


Buck Springs Wells
Sinde
BM 21
4806
22
23
24
DITCH
Wells
Well
Well
4792
INDEPENDENT
Well
4797
Well
4788
Bunker Hill
NATIONAL
26
28
27
DITCH
Owsley Wells
Holly Wells
BM
4786
INDEPENDENT
CREEK
Flume
Well
FM 4285
33
34
35
36


13
4800
Buck Springs
Wells
4798
4800
3 West of MCWD
East of Independent


Bunker
Hill
NATIONAL
26
4790
WILDLIFE
Owsley
Wells
4800
BM 4785
4790


4817
4813
4798
4872
4850
4810
4800
4790
22
23
24
4799
DITCH
Jadwin
Well
Wells
4786
4792
4791
Well
4788
Well
4791
INDEPENDENT
Bunker
Hill
4849
26
27
NATION
Owsley
Wells
Holly Wells
4789
4785
BM
4786
BM 4785
Flume
Well
DITCH
INDEPENDENT

MUD LAKE WATER USERS, INC.
STOCKHOLDERS NEWSLETTER

July 17, 2000

Dear Stockholder,

We need you to **make sure that your ditches are clean** prior to you ordering water. If they are not clean you cannot get as good of a flow & we reserve the right to refuse to deliver water for such ditches.

The hot, dry, windy weather has caused a heavy demand for water. However, we have had good well flows this year and are keeping up with demand with only a few delays. Wells #3 & #4 in the Jackett have been off-line for repairs but we believe they will be operational by early August. At Holley the use of the creek pump has relieved pressure on the well field & supplied the needed water for deliveries. At North Lake we have shut #1 off do to cavitation. We have had a better use of magnacide this year, which has helped to control moss. We are also continuing to cut moss in Camas Creek & in the independent ditch. Currently our flow into the lake is 360 cfs with only 250 cfs going out & our current lake level is 4.3'.

In the past year we have used a large amount of gravel & bentonite from our yard, which will need to be replaced. However the repairs have been necessary. The maintenance done Jackett & Holley has been a great benefit to water distribution on those systems.

All stockholders with pivots crossing roadways or dikes should make as much effort to control them as possible, as this will reduce our expense.

At the North Lake well field we are planning to fill in the old wells that lie along the Old Rock Ditch to come into compliance with current regulations. We also plan to drill a new well there at #11D to replace a caved in well at the Marty well field.

We have installed computer controlled monitoring devices at several locations on the system, which has reduced our mileage in a year when high fuel prices make this increasingly important. We plan to install more in the future.

We now have a full-time secretary in the office from 8 AM to 4 PM Monday to Friday & 8 AM to 12 Noon Saturday. This means that there should always be someone to answer your calls for water orders & turn off notices. Please allow 1 day for orders & **at least 12 hrs. for offs** (6 hrs. for sprinkler transfers). We hope that you have been satisfied with our service this year, but if you are not our secretary will answer those calls as well & we will attempt to work out a solution. Our address, phone number, & fax number are at the bottom of the page for your reference. Please note that if you call the fax number the secretary will not answer. It is for faxes only.

Sincerely,

Garth Soderquist

Garth Soderquist
President
Mud Lake Water Users, Inc.
pwf

Mailed to B Coulter
for Terreton 7/18/00
Red 7/18/00

P.O. Box 68
Terreton, ID 83450
Ph 663-4359
Fax 663-4369

To: Mud Lake Water Users File
Fr: Bryce Contor
Date: 7/14/2000

Re: Permissible Place of Use, Surface Rights

MLWU was created by a merger of Holley, Jacket, and Owsley canal companies. Transfer 5335 in 1999 combined all the POD's and POU's of the groundwater rights on a permissible place of use basis.

I couldn't find a parallel transfer for SW rights. Per Skip Jones, even with the merger, the original POD's and separate delivery systems of the parent companies are still separate, and it was felt that the mix of SW rights per diversion was adequate, so no transfer was needed.

Because the merger occurred after 1987, I will recommend the SW rights to the POD and POU's as existed in 1987. If the company wishes now to use these rights on a PPU basis, another transfer will be needed.

Contor, Bryce

From: King, Scott
Sent: Monday, July 10, 2000 6:17 PM
To: Contor, Bryce
Subject: RE: Friction on Mud Lake Lift stations

Hi Bryce,
I did very few if any tests in that area. Burke and Jared did a handful.

What I've noticed with relatively low-lift wells is that they undersize the column pipe so that there may be more friction per length of column than you'd otherwise expect, but that because the lift is so low that it typically doesn't add up to much compared to deeper systems.

I've noticed in the Raft River basin that when using theoretical on the historic shallow open-discharging wells, my results, even when accounting for additional friction, etc., are often much higher than those flows measured by licensing exams or the flows claimed. I just plain over-estimate flow from shallow, open-discharging wells. What's the problem? Not sure, but could be a combination of ...
-oversized motors (not much more expensive to purchase 20-hp rather than 15-hp)
-old low-head pumps less efficient than current models, OR
-operated off the curve or out of the best efficiency range, and therefore less efficient than projected

PWL, friction, etc could also be higher than claimed by the claimant, but sometimes this still doesn't explain it all.

My personal experience with wells in Basin 34 suggests that in general, you will find an open-discharge system to be significantly less efficient than a pressure discharge system. I attributed it to several factors, but mainly because I don't think the operator notices a decrease in flow as much as decrease in pressure at the sprinklers, and because these motors are typically smaller and therefore fairly inexpensive to run.

But back to low lift (with pressure), I'd hit the friction loss tables, choosing a column pipe that is generally one size smaller than you'd normally pick (velocities greater than 5 fps, maybe in the 10 fps range). Do you have friction loss tables for column pipe and discharge head?

Perhaps Burke will have some more input. Maybe also Robin?

Scott

-----Original Message-----
From: Contor, Bryce
Sent: Monday, July 10, 2000 9:17 AM
To: Scholer, Burke; King, Scott
Subject: Friction on Mud Lake Lift stations

I need to do some theoretical capacities on diversions out of Mud Lake, very similar to the Jefferson Canal lifts. Seems like I remember one of you telling me you did energy audits on those?

The horsepowers range from 25 to 250, with lift about 12 to 15 feet. With lift that small, the calculation is going to be very sensitive to the estimate for friction.

What do you recommend?

Thanks, Bryce

OD-5813
AJ5813NP
SELECTION FILE: MLWA

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION WATER MASTER REPORT
BY WATER SOURCE/POINT OF DIVERSION

DATE: 07/03/00
TIME: 16:35:31

*MPOD: Y = Multiple Pts of Diversion, Pod Diversion Rate(s) is 0
U = Multiple Pts of Diversion, Pod Diversion Rate(s) Not 0
N = No Multiple Pts of Diversion (1 or less)

WATER RIGHT NUMBER	CURRENT OWNER NAME	PRIORITY DATE	STG	POINT OF DIVERSION	FLG	TOTAL DIVERSION	POD DIVERSION NAME	*MPOD	USE
WATER SOURCE: GROUNDWATER									
\31-10627	MUD LAKE WATER USERS INC	04/01/1920	L	06N 34E 24 NWNW		0.080 CFS		N	40
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 34E 13 SWNE		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 34E 13 SWNE		64.400 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWNE		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWNE		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWNE		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWNE		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWNE		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 34E 13 NWSE		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 34E 13 NWSE		64.400 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 NWSE		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 NWSE		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 NWSE		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 NWSE		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 NWSE		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 34E 13 SWSE		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 34E 13 SWSE		64.400 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWSE		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWSE		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWSE		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWSE		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 13 SWSE		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 34E 24 NENE		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 34E 24 NENE		64.400 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NENE		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NENE		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NENE		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NENE		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NENE		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 34E 24 NWNE		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 34E 24 NWNE		64.400 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNE		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNE		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNE		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNE		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNE		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 34E 24 NWNW		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 34E 24 NWNW		64.400 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNW		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNW		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNW		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNW		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 34E 24 NWNW		16.000 CFS		Y	01
A31-00336B	MUD LAKE WATER USERS INC	04/27/1932	D	07N 35E 13 SWSW		11.050 CFS		Y	01

*MPOD: Y = Multiple Pts of Diversion, Pod Diversion Rate(s) is 0
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N = No Multiple Pts of Diversion (1 or less)

WATER RIGHT NUMBER	CURRENT OWNER NAME	PRIORITY DATE	STG	POINT OF DIVERSION	FLG	TOTAL DIVERSION	POD DIVERSION NAME	*MPOD	US
A31-00337B	MUD LAKE WATER USERS INC	12/15/1932	D	07N 35E 13 SWSW		17.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 35E 18 SWSW		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 35E 18 SWSW		64.400 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 18 SWSW		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 18 SWSW		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 18 SWSW		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 18 SWSW		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 18 SWSW		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 35E 19 NENW		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 35E 19 NENW		64.400 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NENW		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NENW		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NENW		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NENW		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 35E 19 NWNW		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 35E 19 NWNW		64.400 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NWNW		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NWNW		16.000 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NWNW		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NWNW		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 NWNW		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 35E 19 SWNW		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 35E 19 SWNW		64.400 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SWNW		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SWNW		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SWNW		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SWNW		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SWNW		16.000 CFS		Y	01
A31-02239	MUD LAKE WATER USERS INC	01/25/1930	L	07N 35E 19 SENW		40.000 CFS		Y	01
A31-02265	MUD LAKE WATER USERS INC	05/22/1940	L	07N 35E 19 SENW		64.400 CFS		Y	01
A31-02343	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SENW		16.000 CFS		Y	01
A31-02345	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SENW		16.000 CFS		Y	01
A31-02344	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SENW		16.000 CFS		Y	01
A31-02341	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SENW		16.000 CFS		Y	01
A31-02342	MUD LAKE WATER USERS INC	09/03/1954	L	07N 35E 19 SENW		16.000 CFS		Y	01
A31-00336B	MUD LAKE WATER USERS INC	04/27/1932	D	07N 35E 22 NWSE		11.050 CFS		Y	01
A31-00337B	MUD LAKE WATER USERS INC	12/15/1932	D	07N 35E 22 NWSE		17.000 CFS		Y	01
A31-00336B	MUD LAKE WATER USERS INC	04/27/1932	D	07N 35E 23 NWSW		11.050 CFS		Y	01
A31-00337B	MUD LAKE WATER USERS INC	12/15/1932	D	07N 35E 23 NWSW		17.000 CFS		Y	01
A31-00336B	MUD LAKE WATER USERS INC	04/27/1932	D	07N 35E 23 SWSW		11.050 CFS		Y	01
A31-00337B	MUD LAKE WATER USERS INC	12/15/1932	D	07N 35E 23 SWSW		17.000 CFS		Y	01
A31-10626	MUD LAKE WATER USERS INC	04/01/1920	J	07N 35E 25 SESW		0.020 CFS		N	43
A31-00327	MUD LAKE WATER USERS INC	11/16/1931	D	07N 35E 25 SESW		110.000 CFS		Y	01
A31-00329	MUD LAKE WATER USERS INC	01/08/1932	D	07N 35E 25 SESW		50.000 CFS		Y	01
A31-00330	MUD LAKE WATER USERS INC	06/26/1936	D	07N 35E 25 SESW		80.000 CFS		Y	01
A31-00327	MUD LAKE WATER USERS INC	11/16/1931	D	07N 35E 25 NWSE		110.000 CFS		Y	01
A31-00329	MUD LAKE WATER USERS INC	01/08/1932	D	07N 35E 25 NWSE		50.000 CFS		Y	01
A31-00330	MUD LAKE WATER USERS INC	06/26/1936	D	07N 35E 25 NWSE		80.000 CFS		Y	01

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WATER RIGHT NUMBER	CURRENT OWNER NAME	PRIORITY DATE	ST G	POINT OF DIVERSION	FL G	TOTAL DIVERSION	POD DIVERSION NAME	*MPOD	USE
A31-00327	MUD LAKE WATER USERS INC	11/16/1931	D	07N 35E 25 SWSE		110.000 CFS		Y	01
A31-00329	MUD LAKE WATER USERS INC	01/08/1932	D	07N 35E 25 SWSE		50.000 CFS		Y	01
A31-00330	MUD LAKE WATER USERS INC	06/26/1936	D	07N 35E 25 SWSE		80.000 CFS		Y	01
A31-00336B	MUD LAKE WATER USERS INC	04/27/1932	D	07N 35E 27 NWNE		11.050 CFS		Y	01
A31-00337B	MUD LAKE WATER USERS INC	12/15/1932	D	07N 35E 27 NWNE		17.000 CFS		Y	01
A31-07043	BYBEE, ROBERT	11/12/1970	L	07N 35E 36 NENWNW		0.620 CFS		N	01
R31-07043	BYBEE, ROBERT	11/12/1970	L	07N 35E 36 NENWNW		0.620 CFS	BUNKER HILL WELL	N	01

WATER SOURCE: MUD LAKE

A31-00065	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 SESW		1.600 CFS		Y	01
A31-00168	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 SESW		1.600 CFS		Y	01
A31-00188	MUD LAKE WATER USERS INC	03/09/1911	D	06N 34E 1 SESW		1.600 CFS		Y	01
A31-00184	MUD LAKE WATER USERS INC	04/15/1912	D	06N 34E 1 SESW		80.800 CFS		Y	01
A31-00166	MUD LAKE WATER USERS INC	09/05/1912	D	06N 34E 1 SESW		1.720 CFS		Y	01
A31-00263	MUD LAKE WATER USERS INC	10/14/1912	D	06N 34E 1 SESW		2.680 CFS		Y	01
A31-00147A	MUD LAKE WATER USERS INC	07/21/1913	D	06N 34E 1 SESW		4.000 CFS		Y	01
A31-00052	MUD LAKE WATER USERS INC	09/06/1913	D	06N 34E 1 SESW		2.500 CFS		Y	01
A31-00104	MUD LAKE WATER USERS INC	10/18/1913	D	06N 34E 1 SESW		3.000 CFS		Y	01
A31-00105	MUD LAKE WATER USERS INC	12/15/1913	D	06N 34E 1 SESW		1.600 CFS		Y	01
A31-00162	MUD LAKE WATER USERS INC	06/01/1916	D	06N 34E 1 SESW		1.000 CFS		Y	01
A31-00159	MUD LAKE WATER USERS INC	06/24/1916	D	06N 34E 1 SESW		2.440 CFS		Y	01
A31-00185	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 SESW		72.600 CFS		Y	01
A31-00185Z5	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 SESW		72.600 CFS		Y	01
A31-00163	MUD LAKE WATER USERS INC	12/03/1916	D	06N 34E 1 SESW		1.000 CFS		Y	01
A31-00006	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 SESW		1.400 CFS		Y	01
A31-00169	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 SESW		1.600 CFS		Y	01
A31-00237	MUD LAKE WATER USERS INC	11/28/1919	D	06N 34E 1 SESW		2.400 CFS		Y	01
A31-00034	MUD LAKE WATER USERS INC	05/01/1920	D	06N 34E 1 SESW		3.200 CFS		Y	01
A31-00035	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 SESW		6.400 CFS		Y	01
A31-00187	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 SESW		25.000 CFS		Y	01
A31-00036	MUD LAKE WATER USERS INC	05/01/1922	D	06N 34E 1 SESW		9.600 CFS		Y	01
A31-00037	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 SESW		6.400 CFS		Y	01
A31-00232	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 SESW		1.600 CFS		Y	01
A31-00186	MUD LAKE WATER USERS INC	08/11/1924	D	06N 34E 1 SESW		75.000 CFS		Y	01
A31-00038	MUD LAKE WATER USERS INC	08/28/1924	D	06N 34E 1 SESW		0.800 CFS		Y	01
A31-00363	MUD LAKE WATER USERS INC	08/28/1926	D	06N 34E 1 SESW		6.400 CFS		Y	01
A31-00065	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 NESE		1.600 CFS		Y	01
A31-00168	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 NESE		1.600 CFS		Y	01
A31-00188	MUD LAKE WATER USERS INC	03/09/1911	D	06N 34E 1 NESE		1.600 CFS		Y	01
A31-00184	MUD LAKE WATER USERS INC	04/15/1912	D	06N 34E 1 NESE		80.800 CFS		Y	01
A31-00166	MUD LAKE WATER USERS INC	09/05/1912	D	06N 34E 1 NESE		1.720 CFS		Y	01
A31-00263	MUD LAKE WATER USERS INC	10/14/1912	D	06N 34E 1 NESE		2.680 CFS		Y	01
A31-00147A	MUD LAKE WATER USERS INC	07/21/1913	D	06N 34E 1 NESE		4.000 CFS		Y	01
A31-00052	MUD LAKE WATER USERS INC	09/06/1913	D	06N 34E 1 NESE		2.500 CFS		Y	01
A31-00104	MUD LAKE WATER USERS INC	10/18/1913	D	06N 34E 1 NESE		3.000 CFS		Y	01
A31-00105	MUD LAKE WATER USERS INC	12/15/1913	D	06N 34E 1 NESE		1.600 CFS		Y	01

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION WATER MASTER REPORT
BY WATER SOURCE/POINT OF DIVERSION

*MPOD: Y = Multiple Pts of Diversion, Pod Diversion Rate(s) is 0
U = Multiple Pts of Diversion, Pod Diversion Rate(s) Not 0
N = No Multiple Pts of Diversion (1 or less)

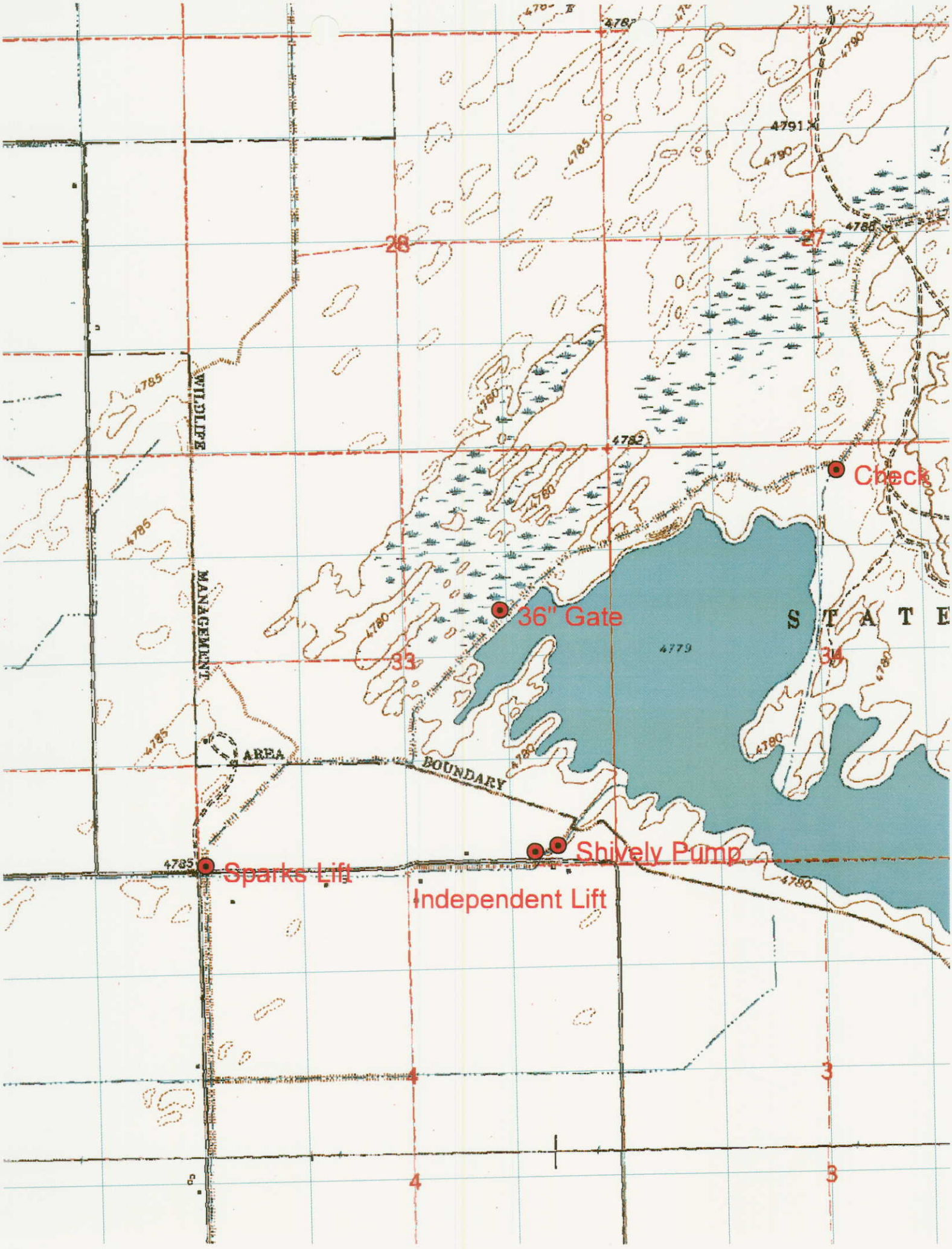
WATER RIGHT NUMBER	CURRENT OWNER NAME	PRIORITY DATE	STG	POINT OF DIVERSION	FLG	TOTAL DIVERSION	POD DIVERSION NAME	*MPOD	US E
A31-00162	MUD LAKE WATER USERS INC	06/01/1916	D	06N 34E 1 NESE		1.000 CFS		Y	01
A31-00159	MUD LAKE WATER USERS INC	06/24/1916	D	06N 34E 1 NESE		2.440 CFS		Y	01
A31-00185	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 NESE		72.600 CFS		Y	01
A31-00185Z5	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 NESE		72.600 CFS		Y	01
A31-00163	MUD LAKE WATER USERS INC	12/03/1916	D	06N 34E 1 NESE		1.000 CFS		Y	01
A31-00006	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 NESE		1.400 CFS		Y	01
A31-00169	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 NESE		1.600 CFS		Y	01
A31-00237	MUD LAKE WATER USERS INC	11/28/1919	D	06N 34E 1 NESE		2.400 CFS		Y	01
A31-00034	MUD LAKE WATER USERS INC	05/01/1920	D	06N 34E 1 NESE		3.200 CFS		Y	01
A31-00187	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 NESE		25.000 CFS		Y	01
A31-00035	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 NESE		6.400 CFS		Y	01
A31-00036	MUD LAKE WATER USERS INC	05/01/1922	D	06N 34E 1 NESE		9.600 CFS		Y	01
A31-00037	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 NESE		6.400 CFS		Y	01
A31-00232	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 NESE		1.600 CFS		Y	01
A31-00186	MUD LAKE WATER USERS INC	08/11/1924	D	06N 34E 1 NESE		75.000 CFS		Y	01
A31-00038	MUD LAKE WATER USERS INC	08/28/1924	D	06N 34E 1 NESE		0.800 CFS		Y	01
A31-00363	MUD LAKE WATER USERS INC	08/28/1926	D	06N 34E 1 NESE		6.400 CFS		Y	01
A31-00168	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 SWSE		1.600 CFS		Y	01
A31-00065	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 SWSE		1.600 CFS		Y	01
A31-00188	MUD LAKE WATER USERS INC	03/09/1911	D	06N 34E 1 SWSE		1.600 CFS		Y	01
A31-00184	MUD LAKE WATER USERS INC	04/15/1912	D	06N 34E 1 SWSE		80.800 CFS		Y	01
A31-00166	MUD LAKE WATER USERS INC	09/05/1912	D	06N 34E 1 SWSE		1.720 CFS		Y	01
A31-00263	MUD LAKE WATER USERS INC	10/14/1912	D	06N 34E 1 SWSE		2.680 CFS		Y	01
A31-00147A	MUD LAKE WATER USERS INC	07/21/1913	D	06N 34E 1 SWSE		4.000 CFS		Y	01
A31-00052	MUD LAKE WATER USERS INC	09/06/1913	D	06N 34E 1 SWSE		2.500 CFS		Y	01
A31-00104	MUD LAKE WATER USERS INC	10/18/1913	D	06N 34E 1 SWSE		3.000 CFS		Y	01
A31-00105	MUD LAKE WATER USERS INC	12/15/1913	D	06N 34E 1 SWSE		1.600 CFS		Y	01
A31-00162	MUD LAKE WATER USERS INC	06/01/1916	D	06N 34E 1 SWSE		1.000 CFS		Y	01
A31-00159	MUD LAKE WATER USERS INC	06/24/1916	D	06N 34E 1 SWSE		2.440 CFS		Y	01
A31-00185	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 SWSE		72.600 CFS		Y	01
A31-00185Z5	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 SWSE		72.600 CFS		Y	01
A31-00163	MUD LAKE WATER USERS INC	12/03/1916	D	06N 34E 1 SWSE		1.000 CFS		Y	01
A31-00006	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 SWSE		1.400 CFS		Y	01
A31-00169	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 SWSE		1.600 CFS		Y	01
A31-00237	MUD LAKE WATER USERS INC	11/28/1919	D	06N 34E 1 SWSE		2.400 CFS		Y	01
A31-00034	MUD LAKE WATER USERS INC	05/01/1920	D	06N 34E 1 SWSE		3.200 CFS		Y	01
A31-00187	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 SWSE		25.000 CFS		Y	01
A31-00035	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 SWSE		6.400 CFS		Y	01
A31-00036	MUD LAKE WATER USERS INC	05/01/1922	D	06N 34E 1 SWSE		9.600 CFS		Y	01
A31-00037	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 SWSE		6.400 CFS		Y	01
A31-00232	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 SWSE		1.600 CFS		Y	01
A31-00186	MUD LAKE WATER USERS INC	08/11/1924	D	06N 34E 1 SWSE		75.000 CFS		Y	01
A31-00038	MUD LAKE WATER USERS INC	08/28/1924	D	06N 34E 1 SWSE		0.800 CFS		Y	01
A31-00363	MUD LAKE WATER USERS INC	08/28/1926	D	06N 34E 1 SWSE		6.400 CFS		Y	01
A31-00065	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 SESE		1.600 CFS		Y	01
A31-00168	MUD LAKE WATER USERS INC	10/03/1910	D	06N 34E 1 SESE		1.600 CFS		Y	01
A31-00188	MUD LAKE WATER USERS INC	03/09/1911	D	06N 34E 1 SESE		1.600 CFS		Y	01
A31-00184	MUD LAKE WATER USERS INC	04/15/1912	D	06N 34E 1 SESE		80.800 CFS		Y	01

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N = No Multiple Pts of Diversion (1 or less)

WATER RIGHT NUMBER	CURRENT OWNER NAME	PRIORITY DATE	STG	POINT OF DIVERSION	FLG	TOTAL DIVERSION	POD DIVERSION NAME	*MPOD	USE
A31-00166	MUD LAKE WATER USERS INC	09/05/1912	D	06N 34E 1 SESE		1.720 CFS		Y	01
A31-00263	MUD LAKE WATER USERS INC	10/14/1912	D	06N 34E 1 SESE		2.680 CFS		Y	01
A31-00147A	MUD LAKE WATER USERS INC	07/21/1913	D	06N 34E 1 SESE		4.000 CFS		Y	01
A31-00052	MUD LAKE WATER USERS INC	09/06/1913	D	06N 34E 1 SESE		2.500 CFS		Y	01
A31-00104	MUD LAKE WATER USERS INC	10/18/1913	D	06N 34E 1 SESE		3.000 CFS		Y	01
A31-00105	MUD LAKE WATER USERS INC	12/15/1913	D	06N 34E 1 SESE		1.600 CFS		Y	01
A31-00162	MUD LAKE WATER USERS INC	06/01/1916	D	06N 34E 1 SESE		1.000 CFS		Y	01
A31-00159	MUD LAKE WATER USERS INC	06/24/1916	D	06N 34E 1 SESE		2.440 CFS		Y	01
A31-00185	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 SESE		72.600 CFS		Y	01
A31-00185Z5	MUD LAKE WATER USERS INC	12/02/1916	D	06N 34E 1 SESE		72.600 CFS		Y	01
A31-00163	MUD LAKE WATER USERS INC	12/03/1916	D	06N 34E 1 SESE		1.000 CFS		Y	01
A31-00169	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 SESE		1.600 CFS		Y	01
A31-00006	MUD LAKE WATER USERS INC	12/10/1917	D	06N 34E 1 SESE		1.400 CFS		Y	01
A31-00237	MUD LAKE WATER USERS INC	11/28/1919	D	06N 34E 1 SESE		2.400 CFS		Y	01
A31-00034	MUD LAKE WATER USERS INC	05/01/1920	D	06N 34E 1 SESE		3.200 CFS		Y	01
A31-00035	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 SESE		6.400 CFS		Y	01
A31-00187	MUD LAKE WATER USERS INC	05/01/1921	D	06N 34E 1 SESE		25.000 CFS		Y	01
A31-00036	MUD LAKE WATER USERS INC	05/01/1922	D	06N 34E 1 SESE		9.600 CFS		Y	01
A31-00037	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 SESE		6.400 CFS		Y	01
A31-00232	MUD LAKE WATER USERS INC	05/01/1923	D	06N 34E 1 SESE		1.600 CFS		Y	01
A31-00186	MUD LAKE WATER USERS INC	08/11/1924	D	06N 34E 1 SESE		75.000 CFS		Y	01
A31-00038	MUD LAKE WATER USERS INC	08/28/1924	D	06N 34E 1 SESE		0.800 CFS		Y	01
A31-00363	MUD LAKE WATER USERS INC	08/28/1926	D	06N 34E 1 SESE		6.400 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 5 NESE		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 11 NESE		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 16 NWNW		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 18 NENE		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 18 NESE		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 24 SENE		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 24 SWSW		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 34E 24 SESE		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 35E 19 NENE		10.000 CFS		Y	01
A31-02276	MUD LAKE WATER USERS INC	01/17/1969	D	06N 35E 19 SESE		10.000 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 34E 13 SWNE		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 34E 13 NWSE		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 34E 13 SWSE		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 34E 18 SWSW		13.260 CFS		Y	01
A31-00065	MUD LAKE WATER USERS INC	10/03/1910	D	07N 34E 34 SWSW		1.600 CFS		Y	01
A31-00168	MUD LAKE WATER USERS INC	10/03/1910	D	07N 34E 34 SWSW		1.600 CFS		Y	01
A31-00188	MUD LAKE WATER USERS INC	03/09/1911	D	07N 34E 34 SWSW		1.600 CFS		Y	01
A31-00184	MUD LAKE WATER USERS INC	04/15/1912	D	07N 34E 34 SWSW		80.800 CFS		Y	01
A31-00166	MUD LAKE WATER USERS INC	09/05/1912	D	07N 34E 34 SWSW		1.720 CFS		Y	01
A31-00263	MUD LAKE WATER USERS INC	10/14/1912	D	07N 34E 34 SWSW		2.680 CFS		Y	01
A31-00147A	MUD LAKE WATER USERS INC	07/21/1913	D	07N 34E 34 SWSW		4.000 CFS		Y	01
A31-00052	MUD LAKE WATER USERS INC	09/06/1913	D	07N 34E 34 SWSW		2.500 CFS		Y	01
A31-00104	MUD LAKE WATER USERS INC	10/18/1913	D	07N 34E 34 SWSW		3.000 CFS		Y	01
A31-00105	MUD LAKE WATER USERS INC	12/15/1913	D	07N 34E 34 SWSW		1.600 CFS		Y	01
A31-00162	MUD LAKE WATER USERS INC	06/01/1916	D	07N 34E 34 SWSW		1.000 CFS		Y	01

*MPOD: Y = Multiple Pts of Diversion, Pod Diversion Rate(s) is 0
U = Multiple Pts of Diversion, Pod Diversion Rate(s) Not 0
N = No Multiple Pts of Diversion (1 or less)

WATER RIGHT NUMBER	CURRENT OWNER NAME	PRIORITY DATE	STG	POINT OF DIVERSION	FLG	TOTAL DIVERSION	POD DIVERSION NAME	*MPOD	USE
A31-00159	MUD LAKE WATER USERS INC	06/24/1916	D	07N 34E 34 SWSW		2.440 CFS		Y	01
A31-00185	MUD LAKE WATER USERS INC	12/02/1916	D	07N 34E 34 SWSW		72.600 CFS		Y	01
A31-00185Z5	MUD LAKE WATER USERS INC	12/02/1916	D	07N 34E 34 SWSW		72.600 CFS		Y	01
A31-00163	MUD LAKE WATER USERS INC	12/03/1916	D	07N 34E 34 SWSW		1.000 CFS		Y	01
A31-00006	MUD LAKE WATER USERS INC	12/10/1917	D	07N 34E 34 SWSW		1.400 CFS		Y	01
A31-00169	MUD LAKE WATER USERS INC	12/10/1917	D	07N 34E 34 SWSW		1.600 CFS		Y	01
A31-00237	MUD LAKE WATER USERS INC	11/28/1919	D	07N 34E 34 SWSW		2.400 CFS		Y	01
A31-00034	MUD LAKE WATER USERS INC	05/01/1920	D	07N 34E 34 SWSW		3.200 CFS		Y	01
A31-00035	MUD LAKE WATER USERS INC	05/01/1921	D	07N 34E 34 SWSW		6.400 CFS		Y	01
A31-00187	MUD LAKE WATER USERS INC	05/01/1921	D	07N 34E 34 SWSW		25.000 CFS		Y	01
A31-00036	MUD LAKE WATER USERS INC	05/01/1922	D	07N 34E 34 SWSW		9.600 CFS		Y	01
A31-00037	MUD LAKE WATER USERS INC	05/01/1923	D	07N 34E 34 SWSW		6.400 CFS		Y	01
A31-00232	MUD LAKE WATER USERS INC	05/01/1923	D	07N 34E 34 SWSW		1.600 CFS		Y	01
A31-00186	MUD LAKE WATER USERS INC	08/11/1924	D	07N 34E 34 SWSW		75.000 CFS		Y	01
A31-00038	MUD LAKE WATER USERS INC	08/28/1924	D	07N 34E 34 SWSW		0.800 CFS		Y	01
A31-00363	MUD LAKE WATER USERS INC	08/28/1926	D	07N 34E 34 SWSW		6.400 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 35E 19 NENW		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 35E 19 NWNW		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 35E 19 SWNW		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 35E 19 SENW		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 35E 24 NENE		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 35E 24 NWNE		13.260 CFS		Y	01
A31-07005	MUD LAKE WATER USERS INC	12/04/1967	D	07N 35E 24 NWNW		13.260 CFS		Y	01
A31-00328	MUD LAKE WATER USERS INC	09/05/1912	D	07N 35E 25 SESW		100.000 CFS		Y	01
A31-00328	MUD LAKE WATER USERS INC	09/05/1912	D	07N 35E 25 NESE		100.000 CFS		Y	01
A31-00328	MUD LAKE WATER USERS INC	09/05/1912	D	07N 35E 25 SWSE		100.000 CFS		Y	01


Check
36" Gate
Shively Pump
Sparks Lift
Independent Lift
WILDLIFE
MANAGEMENT
AREA
BOUNDARY
STATE
4779
4785
4780
4790
4791
28
27
33
34
4
3

ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Shaun Grover

Claim Number MLWUA

Type of Feature Diversion Rediversion

(Other) Lift

Name of Feature Owsley Main Lift

GPS Filename None - USGS map adequate

Offset (Inst. To Feature) _____

Tag Number none

Tag Location _____

Narrative _____

Lift = 4-5 ft today - lake level = 5.0 (4.9 @ lift)
per Shaun Grover. Per my estimation
= 14 ft. Per Garth Soderquist lift 12'-15'
3 x 200 + 1 x 150 = 750 HP

UPL 01588 626 ABB

Demand 5.95 x 80 ≈ 476 KW

per Shaun the
gauge here is
0.10 ft off of
USGS- lower?

roll 1 phot 1



Locator Map for Photograph

Jackett Main Lift



Photo Location

kett West Lift

Jackett Main Lift

Shuldberg Pump

AJ Field Inspection Photos 7/5/00 B. Contor

Jackett Main Lift, 6N 35E 3 NW ¼, looking South. Diversion from creek is approximately 300 - 350 feet N NW.

Mud Lake Water Users Surface and GW claims.

Site tag A0008620

ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWVA

Type of Feature (Diversion) Rediversion

Other

Name of Feature Jacket Main Lift

GPS Filename R0705188

Offset (Inst. To Feature) Zero (see notes)

Tag Number A000 8620

Tag Location pole w/ meter on W side of lift

Narrative

8 pumps, 2 pressurized & 6 open disch.
Estimate open disch. lift ≈ 10 ft.

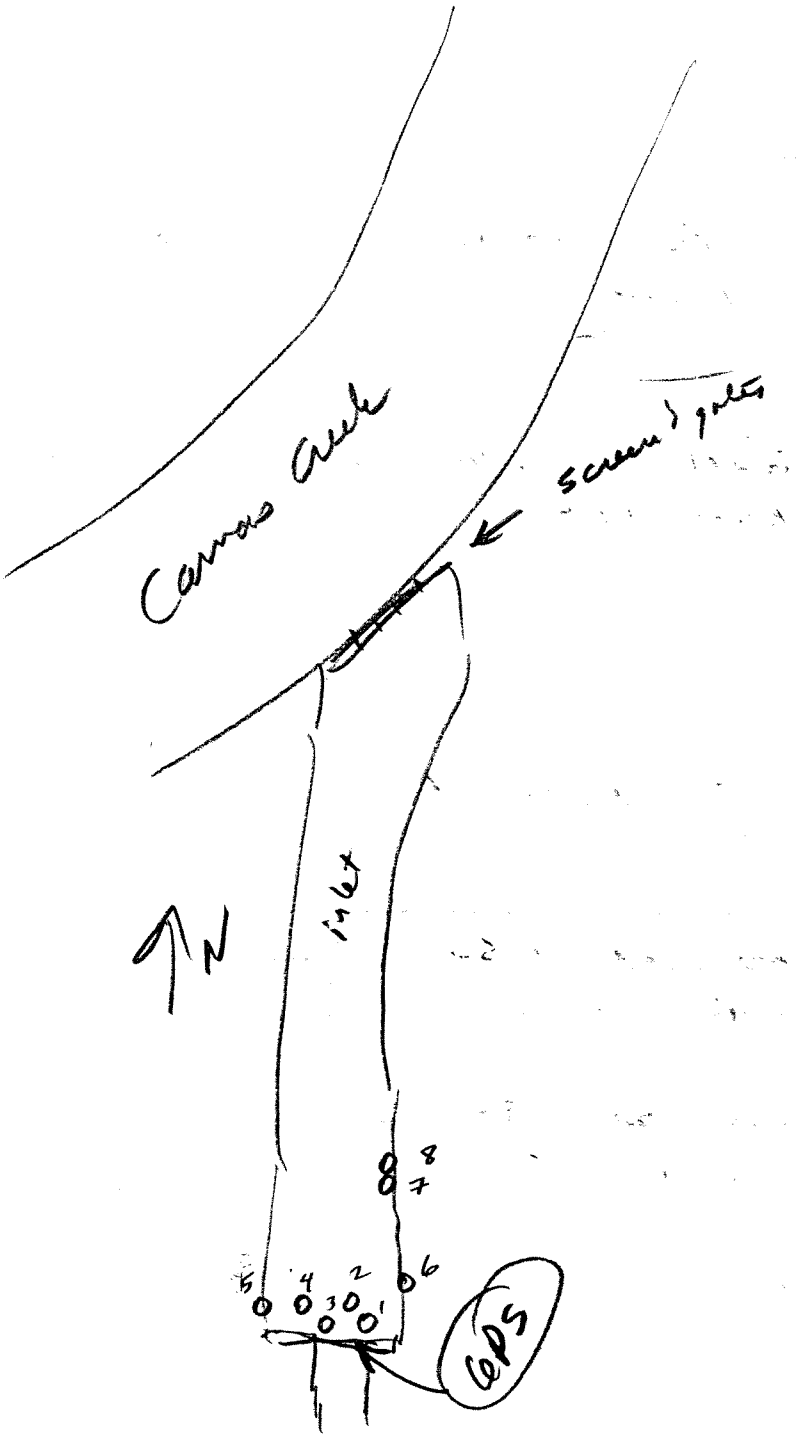
Pump 7 presumed 50 hp nameplate
Landis & Gyr 43.77 KW 33 243 938

pump 8 pressurized 50 hp nameplate
Westinghouse 79 785 439 49.11 KW

Other pumps 1.73 x 40 Schlumberger 84860555

pump 1 30 nameplate
pump 2 25 "
" 3 30 "
" 4 25 "
" 5 50 "
pump 6 15 "

50 reverse
60 skater


Canvas Creek
screened gates
inlet
N
8
7
5
4
2
3
1
6
GPS

7/5/00 Meter check

Jackett Lift

55 hp connected #2 & #3

N = 3 $\quad +\!= \quad (56.6 + 56.4 + 56.0)/3$

$$KW = \frac{3.6 \times 4.8 \times 40 \times 3}{56.3} \simeq 36.8 \text{ KW}$$

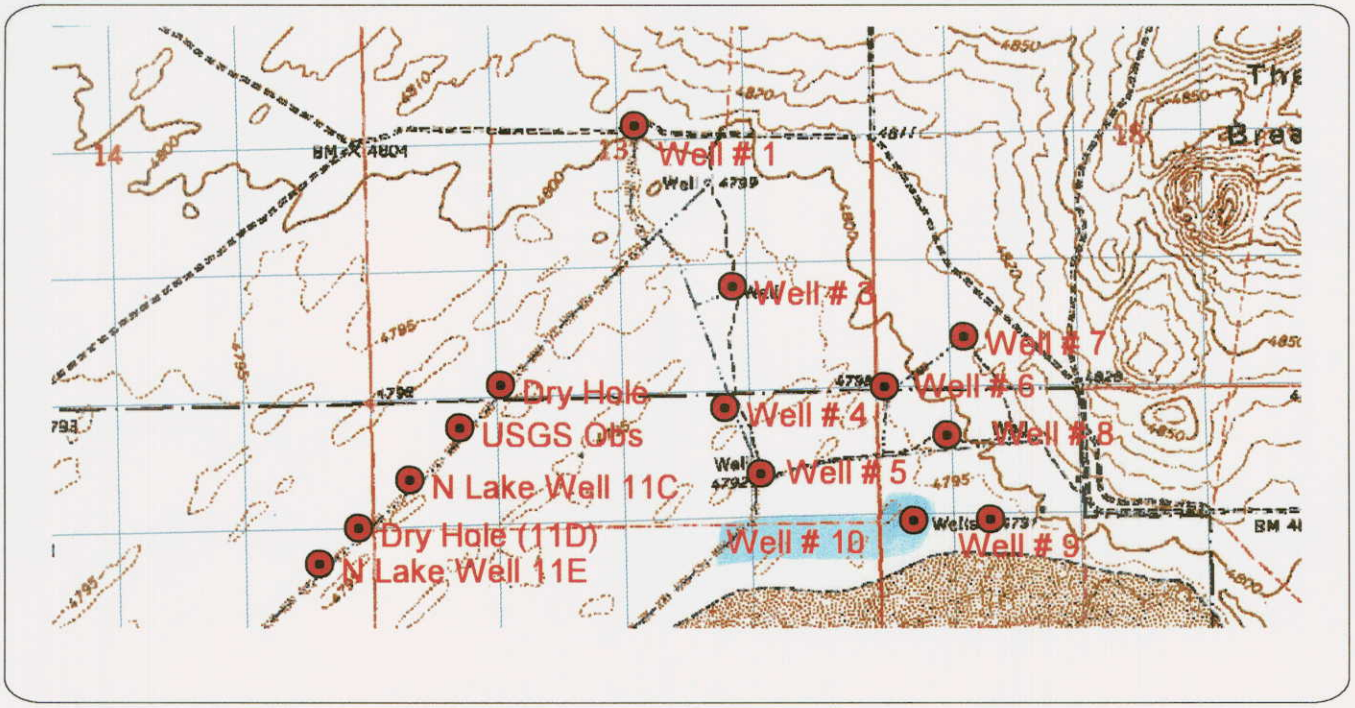
36.8 KW x 1.34 ≃ 49.3 input HP

49.3 x 0.90 ≃ 44 shaft HP

This is reasonable; pump #2 has very cool motor, motor likely underloaded.

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well # 10 A0008619
Motor nameplate 100 HP
Mud Lake Water Users GCW claims
photo by B. Coutor



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Well # 10 North Lake

GPS Filename R0705 18A

Offset (Inst. To Feature) 290° 2½ meters

Tag Number A000 8619

Tag Location pole w/ motor panel

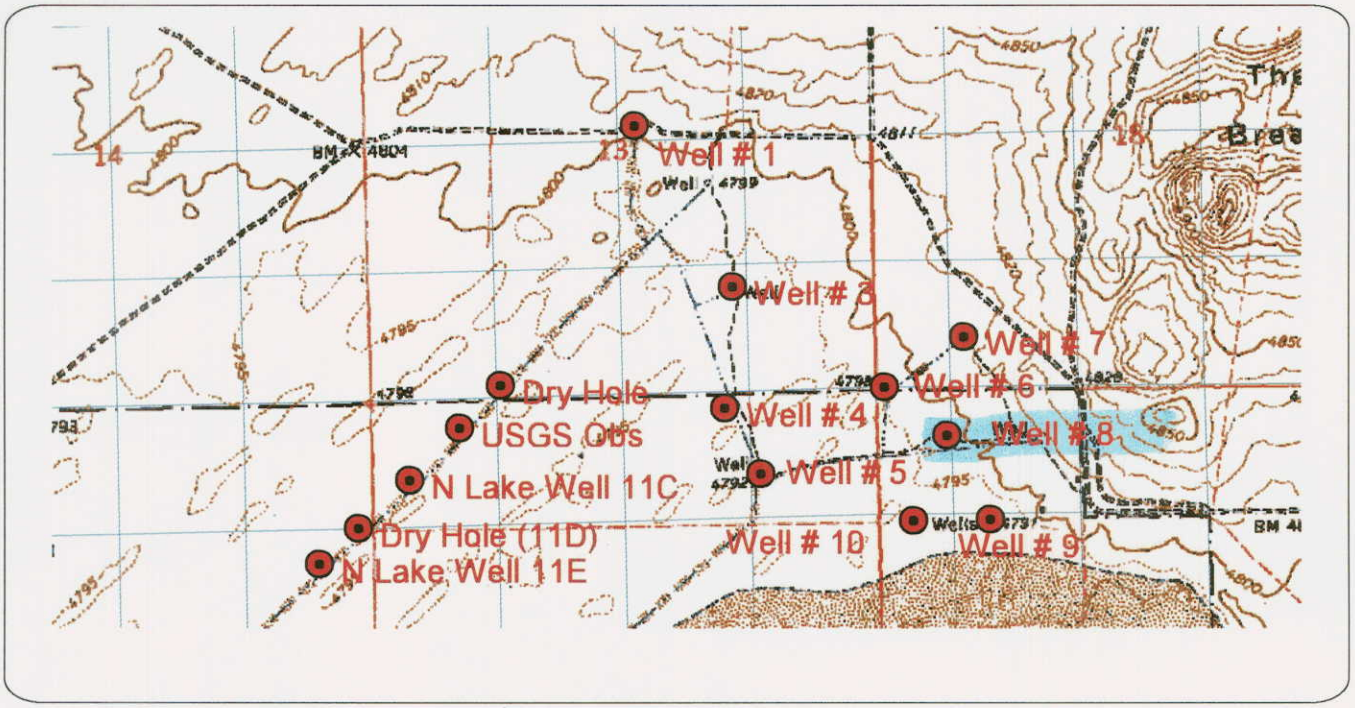
Narrative

Motor nameplate 100 HP

Same KWH meter as well #6

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well #8 A0008617
Motor nameplate 75 hp.
Mud Lake Water Users GW Claims
photo by B. Contor



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Well # 8 North Lake

GPS Filename R070517G

Offset (Inst. To Feature) 285° 2½ meters

Tag Number A0008617

Tag Location pole w/ meter panel

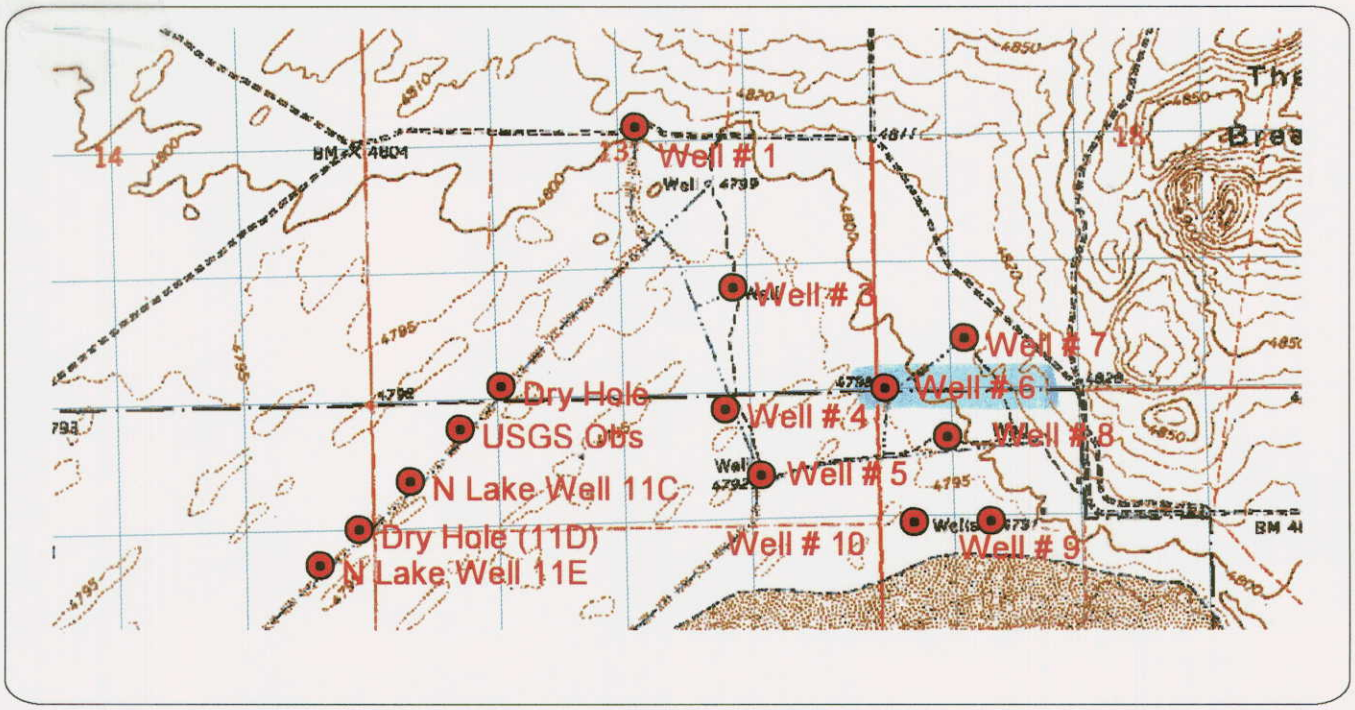
Narrative

Same power meter as # 6. Meter located @ well # 8

Motor nameplate 75 hp.

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well #6 A0008615
Motor nameplate 100 hp.
Mud Lake Water Users GW Claims
photo by B. Contor



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/2000

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature North Lake well # 6

GPS Filename R070517E

Offset (Inst. To Feature) 224° 1½ meters

Tag Number A0008615

Tag Location pole w/ motor panel

Narrative

Motor nameplate 100 horsepower

several weeks on one power meter

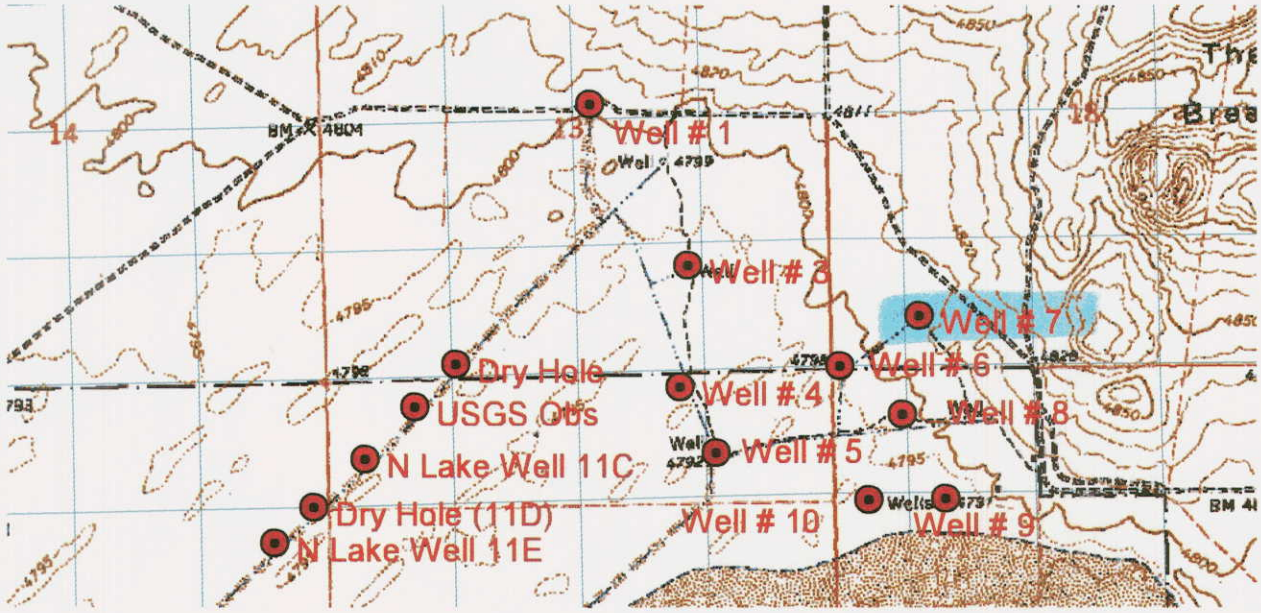
Meter located @ well #8

ABB 1837925

Kw 10.98 x 40

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well #7 A0008616
Motor nameplate 125 hp.
Mud Lake Water Users GW claims
photo by B. Coutor



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number Well #7 North Lake MLWCA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Well #7 North Lake

GPS Filename R070517F

Offset (Inst. To Feature) 325° 8 1/2 meters

Tag Number A0008616

Tag Location pole w/ motor panel

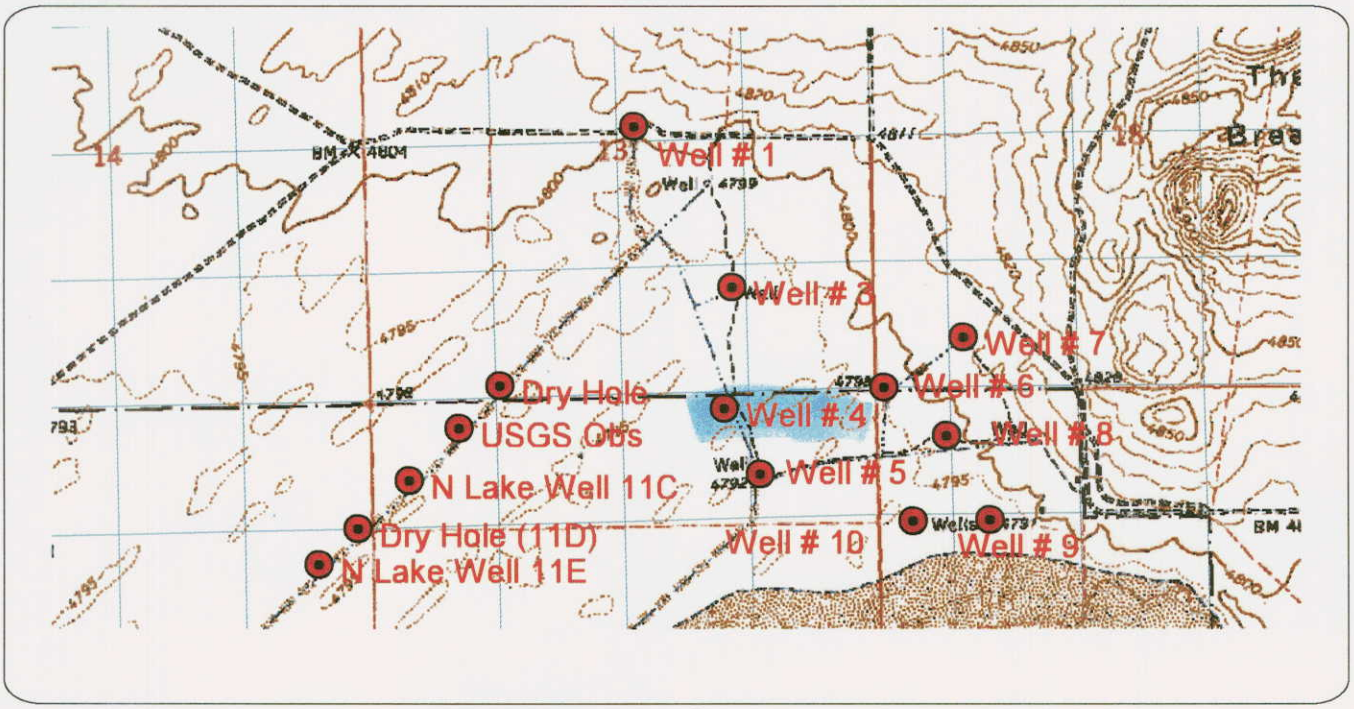
Narrative

Motor nameplate 125 HP

same power meter as well #6

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well # 4 A0008614
Motor nameplate 75 hp.
Mud Lake Water Users GW claims
photo by B. Contor



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other

Name of Feature Well #4 North Lake

GPS Filename R0705I7D

Offset (Inst. To Feature) 24° 1½ meters

Tag Number A0008614

Tag Location pole w/ motor panel

Narrative UDC Sangamo 44 507 607

KWH 39962 x 80

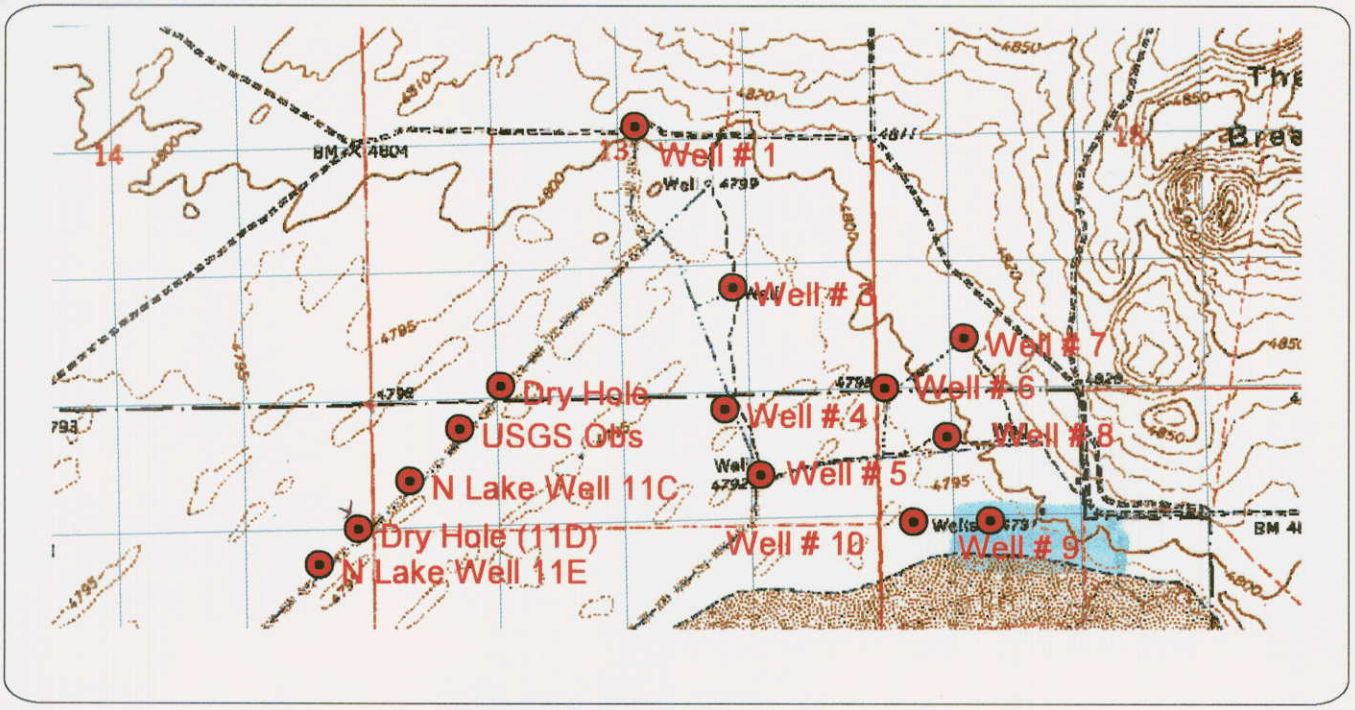
KW 1.48 x 80

This meter also serves well #5

Motor nameplate 75 hp.

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well # 9 AD008619
Motor nameplate 100
Mud Lake Water Users GW Claims
photo by B. Corton



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Well # 9 North Lake

GPS Filename RD705I7H

Offset (Inst. To Feature) 185° 2 meters

Tag Number A0008618

Tag Location pole w/ motor panel

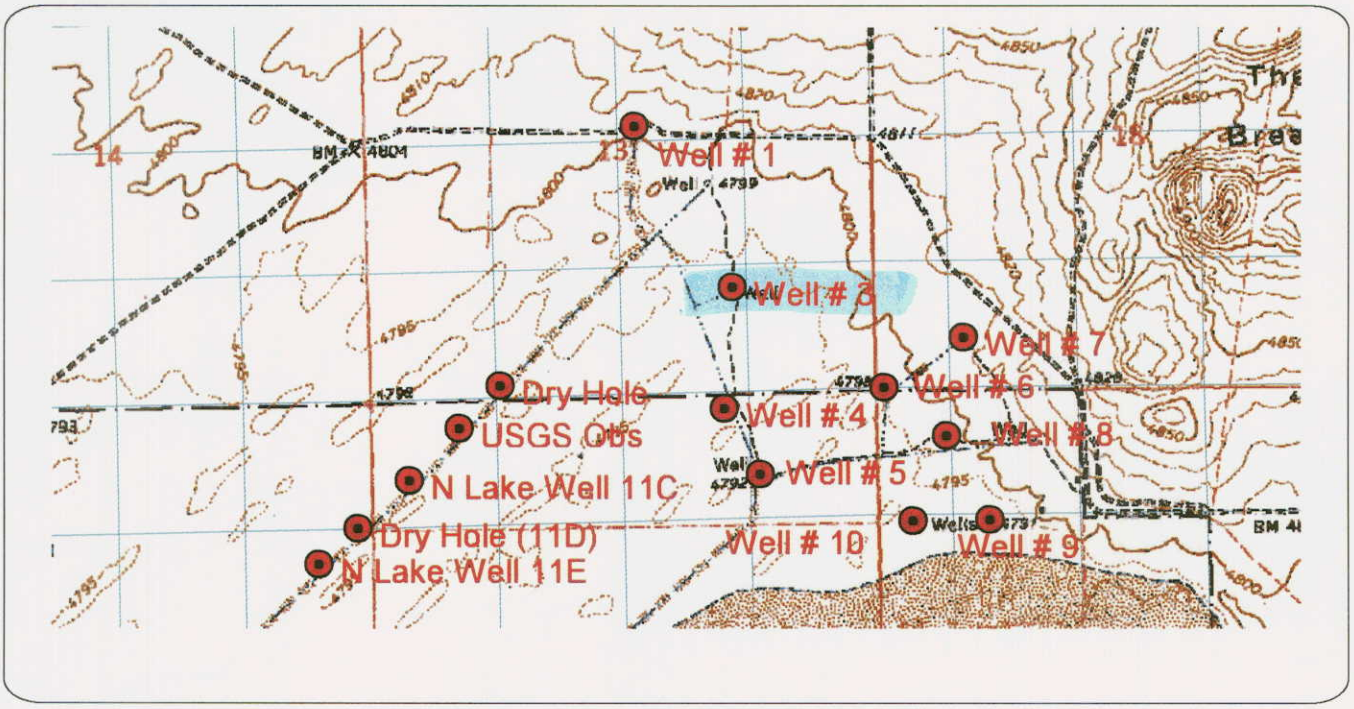
Narrative

Motor nameplate 100

Same power meter as well # 6

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well # 3 A0008612
Motor nameplate 75 hp
Mud Lake Water Users GW
claims.
Photo by B. Coulton



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other

Name of Feature Well # 3 North Lake

GPS Filename R0705 17 B

Offset (Inst. To Feature) 1½ meter

Tag Number A0008612

Tag Location power pole 40' NW of well

Narrative

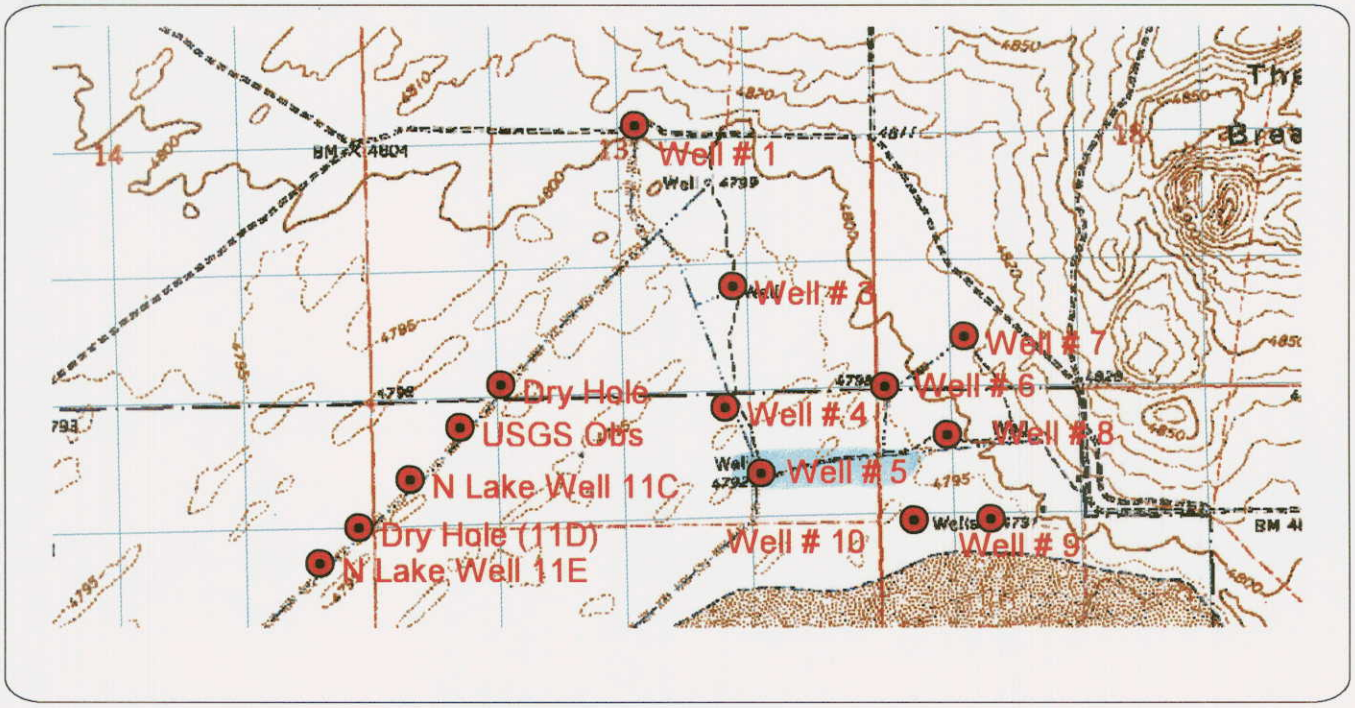
UPL 6E 90 114 224

1.61 x 40 Demand

Motor nameplate 75 hp

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well #5 A0008613
Motor nameplate 75 hp
Mud Lake Water Users GW claims
photo by B. Courton



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other

Name of Feature Well #5 North Lake

GPS Filename A0705I7C

Offset (Inst. To Feature) 25° 2 meters

Tag Number A000 8613

Tag Location pole w/ motor panel

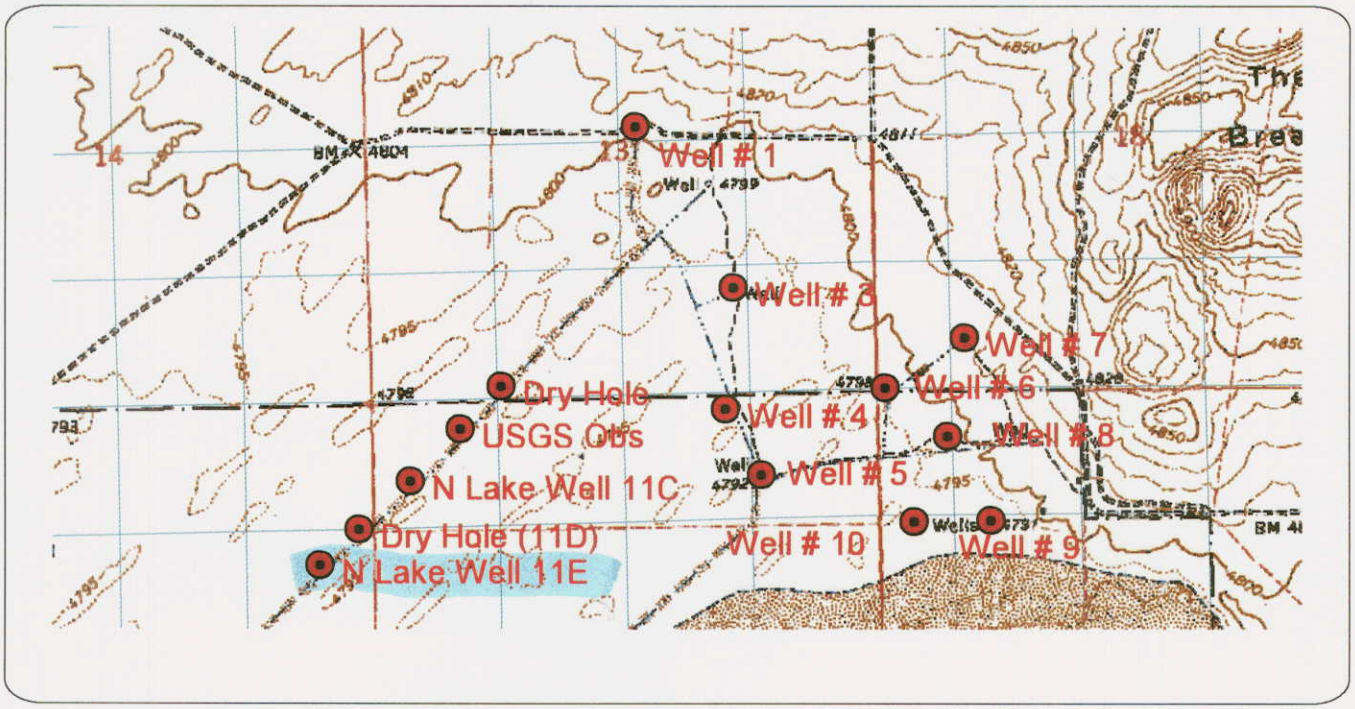
Narrative

This well & well #4 share KwH meter -
See well #4

motor 75 hp nameplate

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well 11E A0008611

Motor hp 200 (nameplate)

Mud Lake Water Users GW claims

photo by B. Coulton



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number NLWVA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature North Lake Well 11E

GPS Filename R0705160

Offset (Inst. To Feature) 89° 2 meters

Tag Number A000 8611

Tag Location Power pole

Narrative _____

UPL ABB 1339 485

Demand 4.01 X 40

motor 900 hp

approx 0.9 mile SW of well #1

along pole line

USGS obs well (11B)

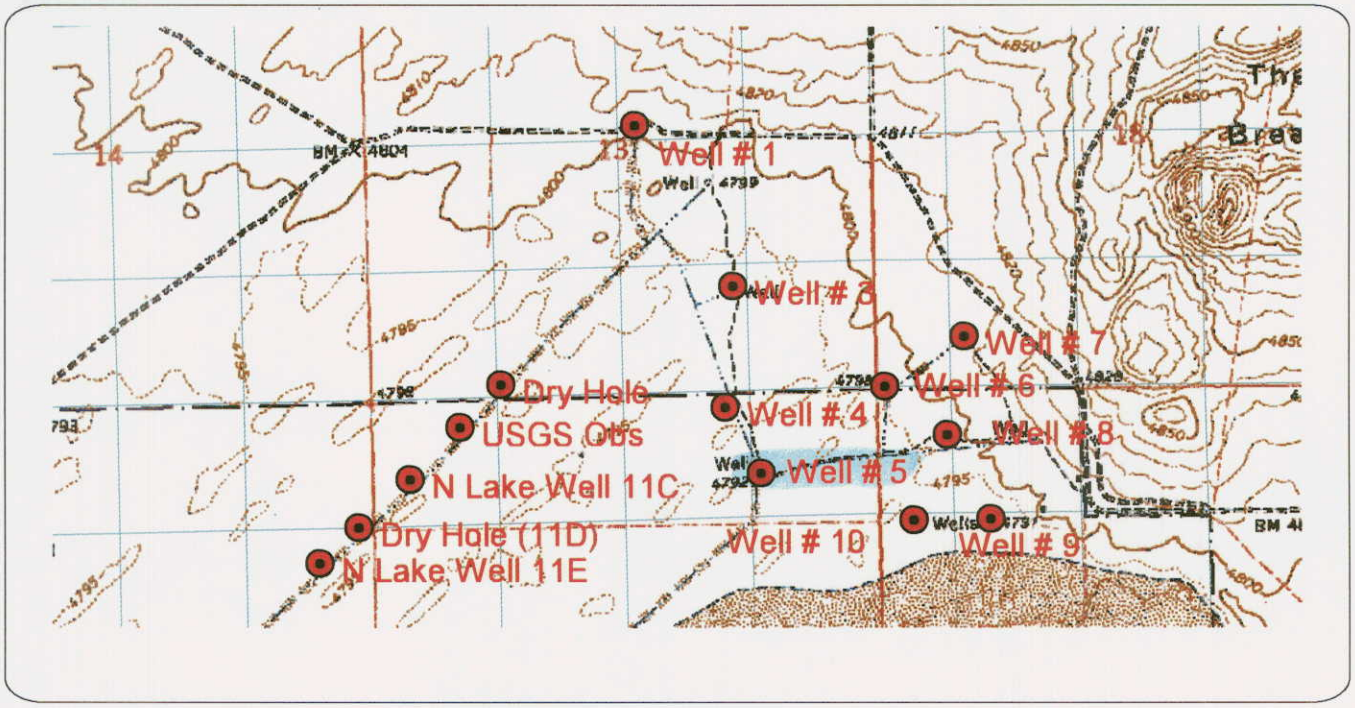
7N 34E 24 BBA 1

GPS R0705174

Offset zero.

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well #5 A0008613
Motor nameplate 75 hp
Mud Lake Water Users GW claims
photo by B. Courton



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWVA

Type of Feature (Diversion) Rediversion

Other

Name of Feature North lake well 11C

GPS Filename R0705168

Offset (Inst. To Feature) 45° 2 meters

Tag Number A0008610

Tag Location power pole

Narrative

UPL ABB 1922687

KW = 1.61 X 80

Approx 0.7 miles SW of well #1 along pole line

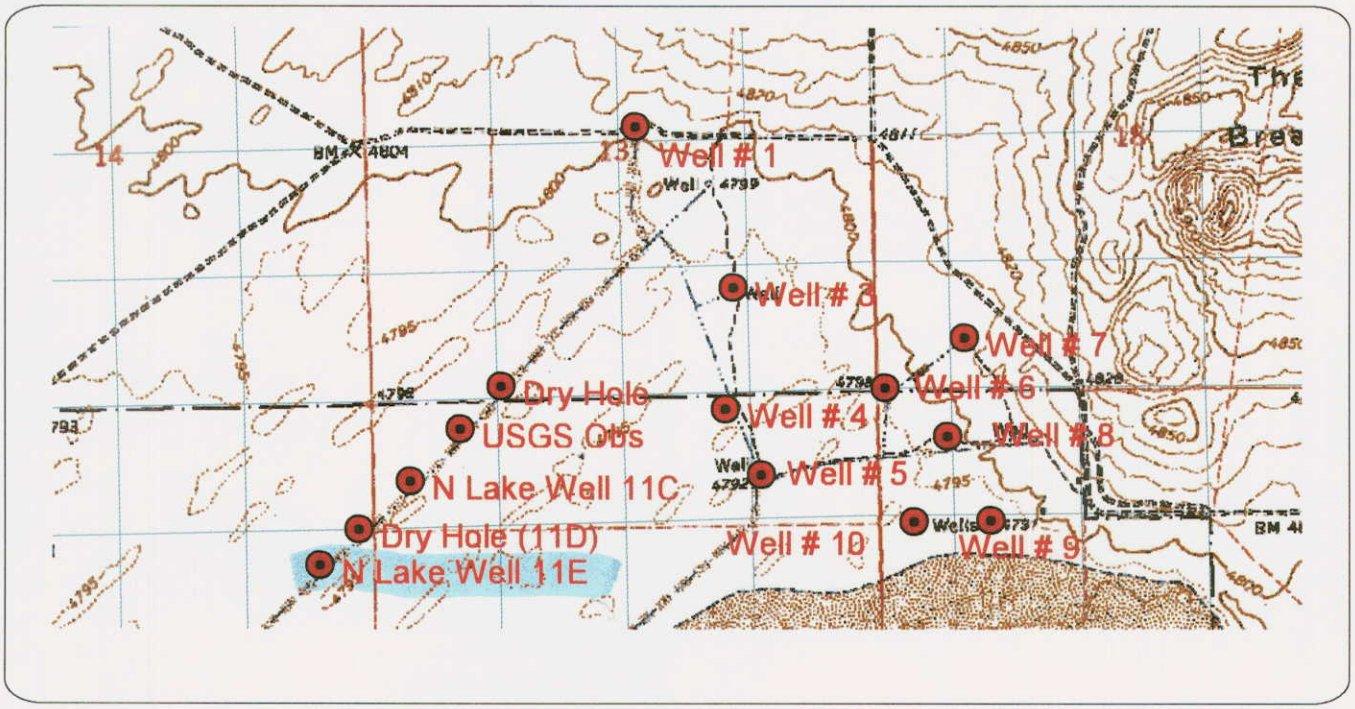
R0705160 unused well SW of 11C, (11D)

approx 0.8 miles SW of well #1.

offset zero.

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well 11E A0008611

Motor hp 200 (nameplate)

Mud Lake Water Users GW claims

photo by B. Coulton



Holley Creek pump / well #8,
Mud Lake Water Users GW / Surface Claims



Canvas Creek pump (#9) looking West



Well (#8) looking SW

photos 7/5/00, B. Contor. See "Holley Flume & pumps" locator map w/ flume photo.

» «

ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Well # 8 (Holley) / Holley Lift # 9

GPS Filename none - USGS adequate

Offset (Inst. To Feature) _____

Tag Number _____

Tag Location _____

Narrative _____

Well 35 meters S. of lift.

Well 125 hp nameplate

lift 250 hp nameplate

estimate 12' lift

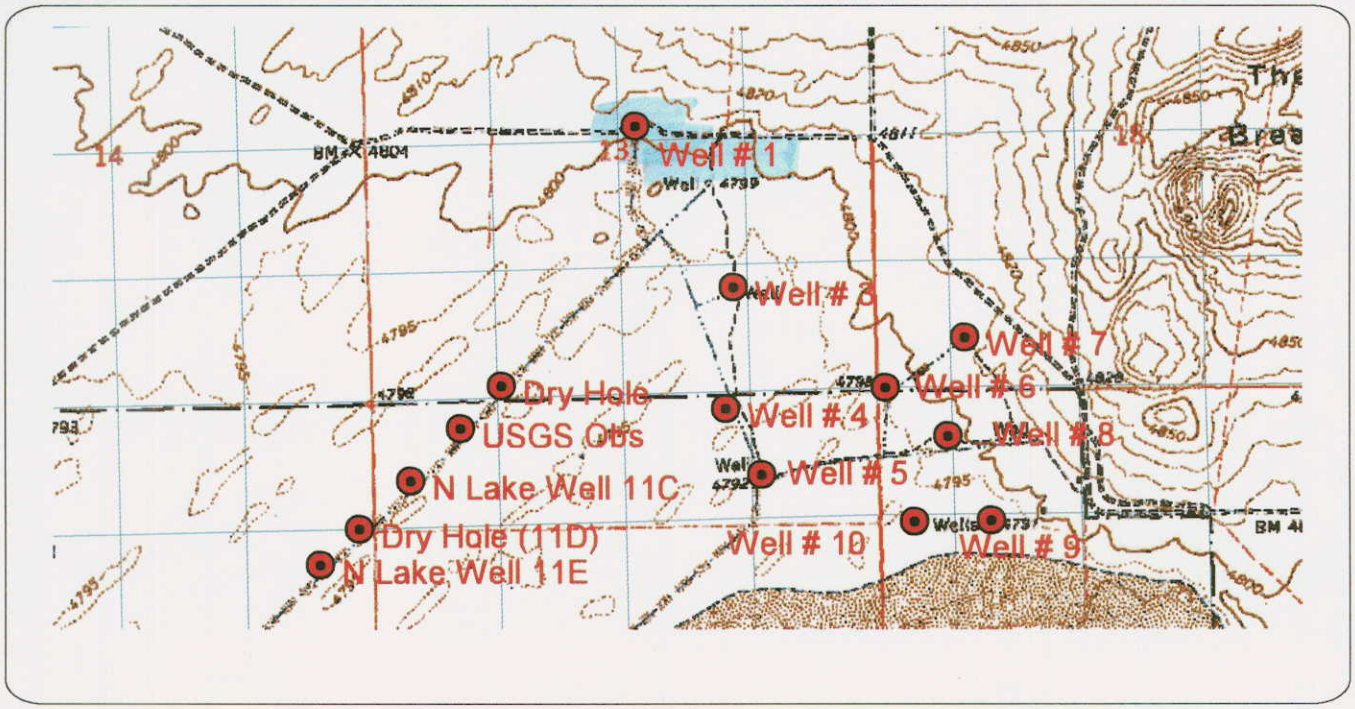
UPL 3.17 x 80

~~Sa~~ ABB 1747944

Note weir is submerged - expect error in WM measurements unless adjusted for.

AJ Field Inspection Photograph 7/5/2000

North Lake Well Field 7N 34E, 7N 35E



Well #1 A0008609

Motor nameplate 75 hp

Mud Lake Water Users GW claims

photos by B. Coulter



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/05

Accompanied by Peter Fisher

Claim Number MLWUA

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Well #1 - North Lake

GPS Filename R0705158

Offset (Inst. To Feature) 271° 2 meters

Tag Number A0008609

Tag Location Pole w/ KWH meter

Narrative 75 hp open discharge

63.81 x 1 ABB 1836737

Roll 1 photo 2

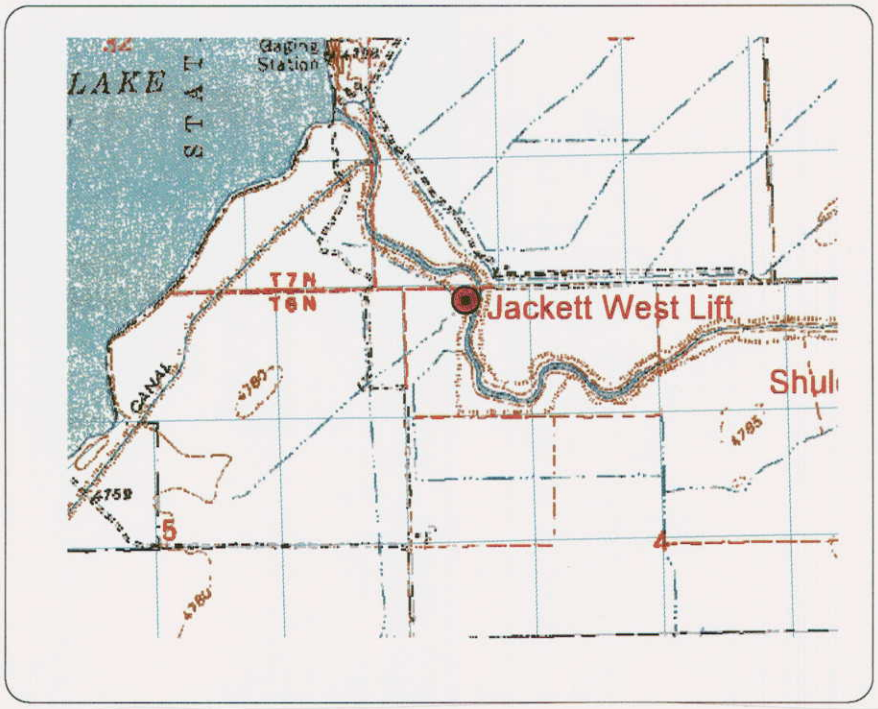
R0705164 ≅ 0.5 mile SW along pole line to dry hole

Offset 116° 1½ meters

Locator Map for Photograph

Jackett West Lift

6N 35E 4 NW 1/4



AJ Field Inspection Photos 7/5/00 B. Contor

Jackett West Lift, 6N 35E 4 NW ¼, looking NW.

Mud Lake Water Users Surface and GW claims.

Site tag A0008622



AJ Site visit B Conton 7/5/00

Acc. by Peter Fisher Claimant

Jacket# West lift

Site tag A000 8622 tag on boards by motor panels

GPS R0705198 offset 325° 6 meters

UPL 40.69 X 1 assumed

ABB 2499106

1 30 nameplate

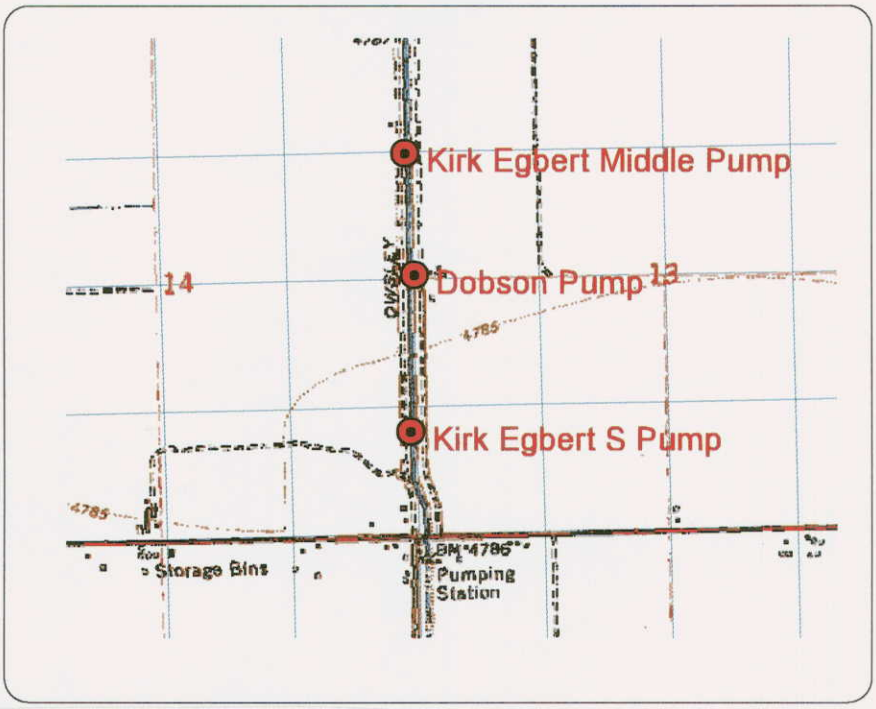
2 & #3 15 nameplate

Estimated lift ≈ 6'

Locator Map for Photograph

Egbert Middle Pump

6N 34E 14 NE 1/4



AJ Field Inspection Photos 7/5/00 B. Contor

Egbert Middle Pump, 6N 34E 14 NE ¼, looking N NE.

Mud Lake Water Users Surface and GW claims. POD is approx. 1 ¾ miles north in 6N 34E 1 SESW.

No site tag.



AJ Site visit 7/5/00 B. Coulter

Acc by Peter Fisher

Claimant MCWUA

Diversion: Kirk Egbert pump ≈ ½ mile N of Owsley main hist

GPS R0705 20C offset 55° 5 meters

No site tag (ran out of tags)

motor 60 hp nameplate lift ≈ 5' + est 60 psi

56.39 KW ABB 1594945

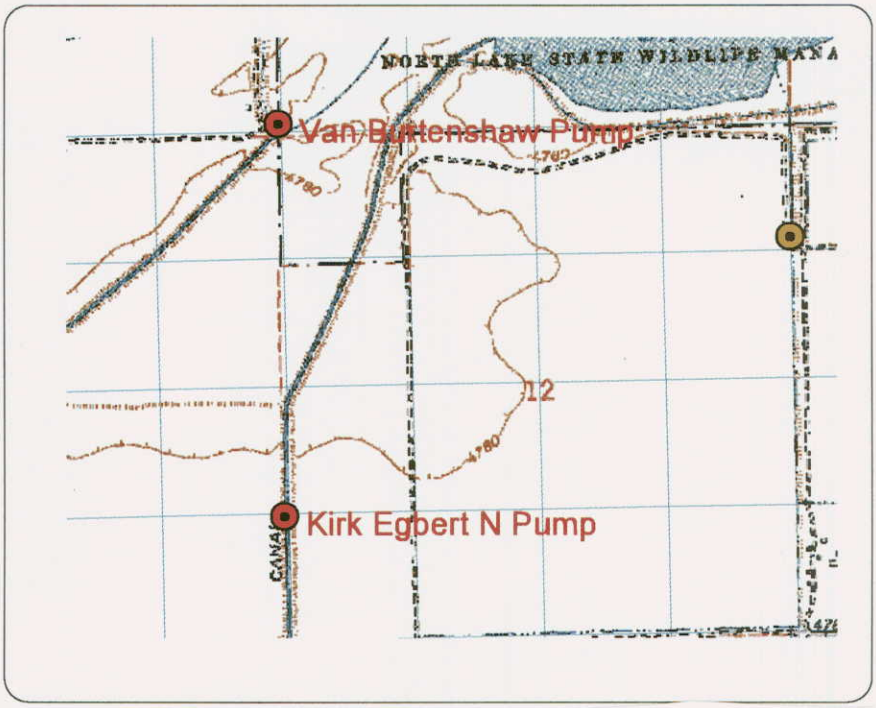
broken flowmeter present, panel has hr. meter

Egbert Middle Pump.

Locator Map for Photograph

Egbert North Pump

6N 34E 11 SE 1/4



AJ Field Inspection Photos 7/5/00 B. Contor

Egbert North Pump, 6N 34E 11 SE ¼, looking N NE.

Mud Lake Water Users Surface and GW claims. POD is approx. 1 ¼ miles north in 6N 34E 1 SESW.

No site tag.



AJ Site Visit 7/5/00 L. Coulter

Acc by Peter Fisher

Claimant MCWUA

Diversion: Kirk Egbert pump ≈ 3/4 mile N of Owsley main lift

GPS R0705200 Offset 48° 6 meters

KW 2.02 x 40

motor nameplate 100 hp

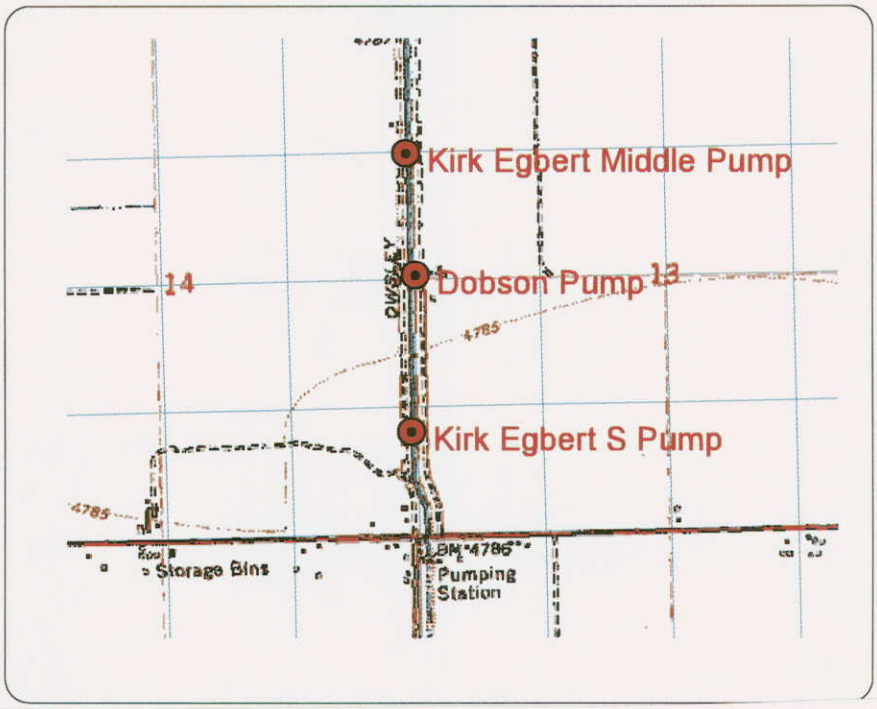
lift ≈ 4' + estimate 60 psi discharge

Egbert N. pump

Locator Map for Photograph

Egbert South Pump

6N 34E 14 SE 1/4



AJ Field Inspection Photos 7/5/00 B. Contor

Egbert South Pump, 6N 34E 14, SE ¼, looking SE.

Mud Lake Water Users Surface and GW claims. POD is approx. 2 ¼ miles north in 6N 34E 1 SESW.

Site tag A0008624



AJ Site visit 7/5/00 B. Conlon

Acc by Peter Fisher

Claimant MCWVA

Diversion Kirk Egbert Pump ¼ mile N of Owsley
Main Lift

GPS R0705208 offset 56° 4 meters

Site tag A0008624 on pole w/ transformers

Motor 50 hp nameplate

lift ≈ 15' est + 60 psi owner gage

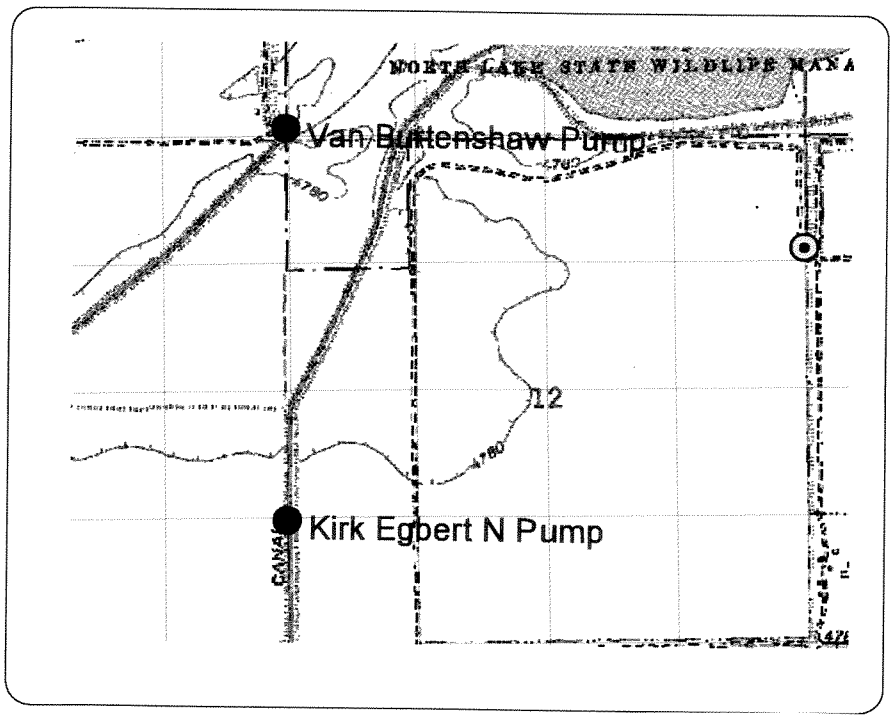
ABB 1224 120 66.14 KW

Egbert South Pump

Locator Map for Photograph

Van Burtenshaw Lift

6N 34E 1 SWSWSW



AJ Field Inspection Photos 7/5/00 B. Contor

Van Burtenshaw Lift, 6N 34E 1 SWSWSW, looking E.

Mud Lake Water Users Surface and GW claims, Independent GW claims, Burtenshaw SW claims. POD is approx. 3/8 mile NE in 6N 34E 1 SESW.

No site tag.



AS site visit 7/5/00 AB Conlon

Acc by Peter Fisher

Claimant MLWUA, Van/Don Bantenshaw, Independent water users

Site name: Van Bantenshaw pumps

GPS R0705 20E Offset zero

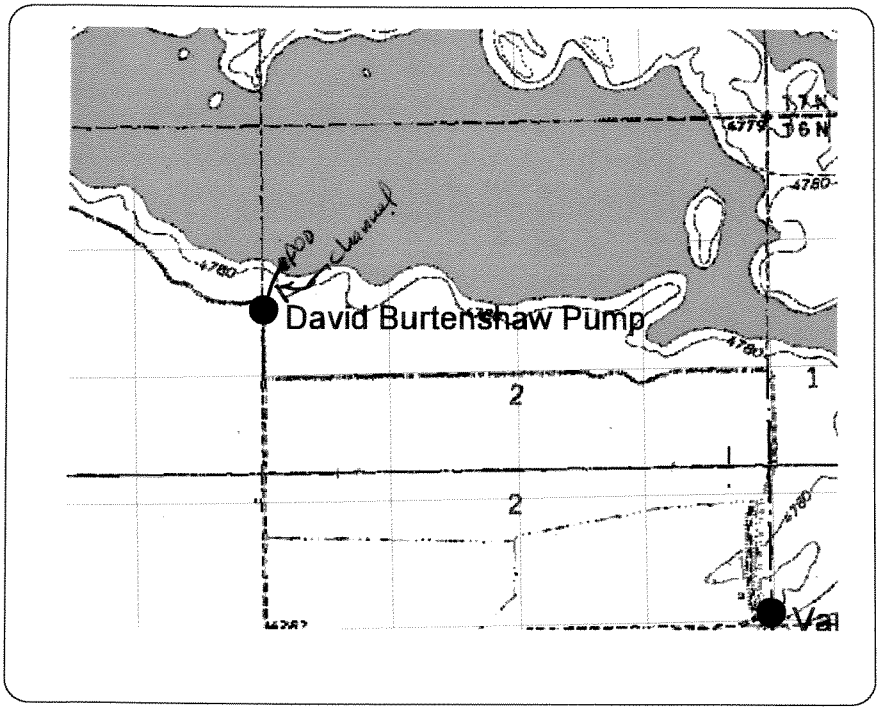
2 pumps, nominal 100 (N) 150 (S)

Q meters: South 2200 GPM

North 2300 GPM

Lift ≃ 3' + ≃ 60 psi est.

AJ Field Inspection Photograph 7/5/2000
David Burtenshaw Pump 6N 34E 1 NWSW



AJ Field Inspection Photos 7/5/00 B. Contor

David Burtenshaw pump, 6N 34E 1 NWSW, looking E.

Mud Lake Water Users GW and Surface claims. POD is approx. 700 ft N NE in 6N 34E 1 SWNW.

No site tag.



AJ Site visit 7/5/00 B Coulter

Acc by Peter Fisher

Claimant MCWCA

Diversion: David Bartenshaw

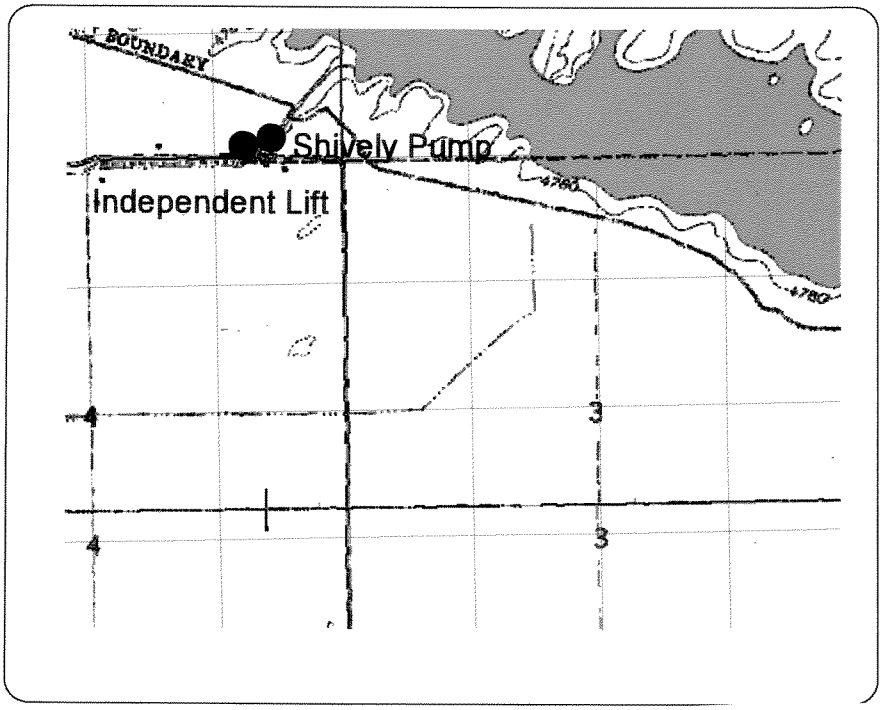
GPS R0705207 offset zero

Motor nameplate 25 hp 1,1St ≃ 2-3 St but expect high friction loss

ABB 1292479 0,00 KW on meter

AJ Field Inspection Photograph 7/5/2000

Shively Pump 7N 34E 33 SESE



AJ Field Inspection Photos 7/5/00 B. Contor

Shively pump, 7N 34E 33 SESE, looking SW and S SW.

Mud Lake Water Users GW and Surface claims. POD is approx 1400 ft NE in 7N 34E 34 NWSWSW.

No site tag.

looking S-SW



looking SW



AF Site visit 7/5/00 B. Coulton

Acc by Peter Fisher

Claimant MLWUA

Diversion Shively Pump

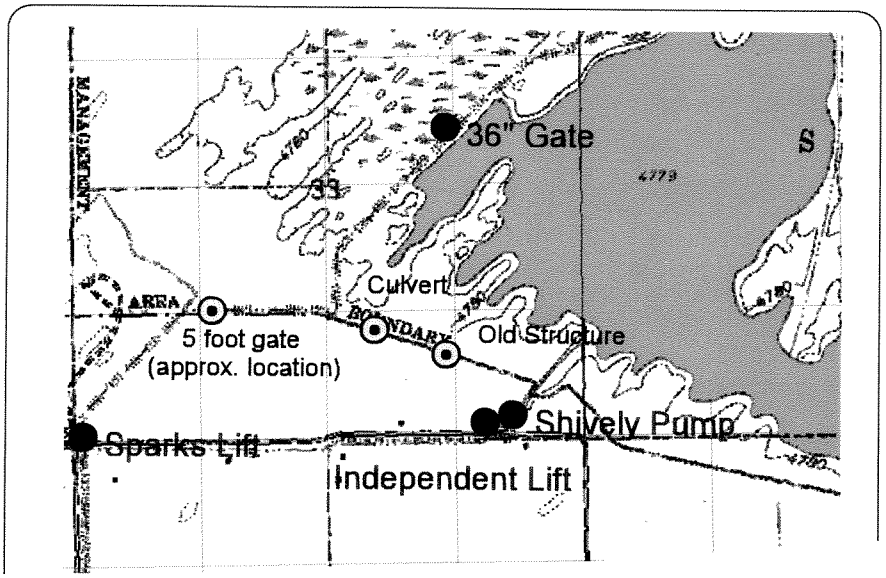
GPS RO 70520 G Offset zero

Motor nameplate 75 hp 1.1CF ≈ 2' psi at 60

UPL 100.26 KW 1135328 ABB

AJ Field Inspection Photograph 7/5/2000

Sparks Lift 7N 34E 33 SWSWSW



Red features located by GPS, yellow features location approximate

AJ Field Inspection Photos 7/5/00 B. Contor

Sparks Lift, 7N 34E 33 SWSWSW, looking W SW.

Mud Lake Water Users GW and Surface claims. POD is approx. 1 mile east in 7N 34E NWSWSW.

This lift is generally supplied by the North Lake Well Field; on 7/5/2000 all three pumps were running here and water from the North Lake Well Field was supplying all this lift's needs and still contributing water eastward to the lake through the culvert in 7N 34E 33 SW ¼ (see photo), as well as southward to the lake at the check structure in 7N 34E 34 NWNE.



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWV Inc.

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Sparks

GPS Filename RD70521A

Offset (Inst. To Feature) _____

Tag Number none

Tag Location _____

Narrative _____

Per Shawn Cronon this can pull well water or lake water. Can't pull lake water below 3 ft.

lift estimate 8'

Motor hp. 25 #3

50 #2

250 #1

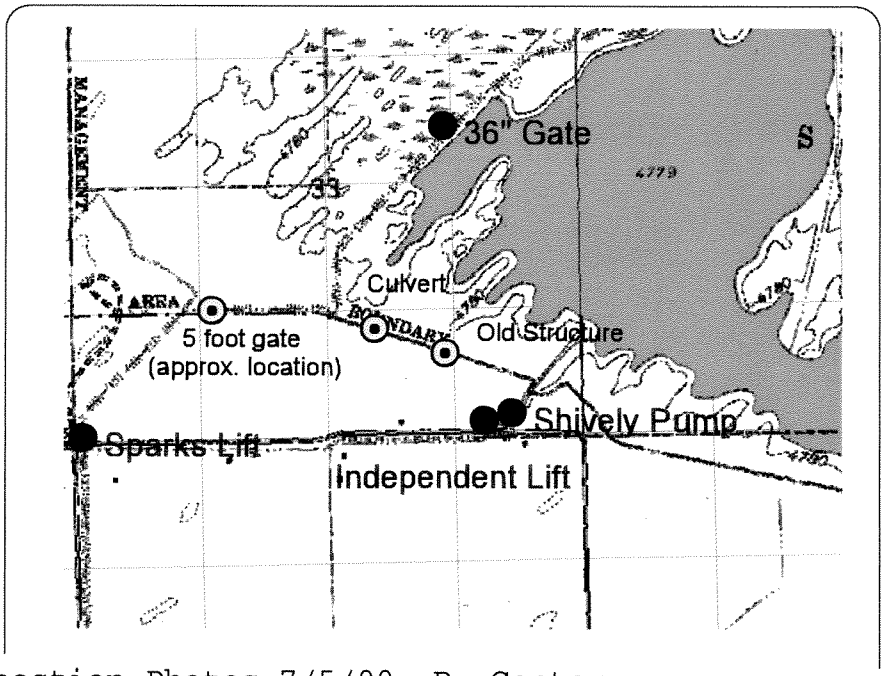
all three running.

ABB 1123867

4.75 x 40 KW

AJ Field Inspection Photograph 7/5/2000

Old Structure 7N 34E 33 SE



Red features located by GPS, Yellow features location approximate

AJ Field Inspection Photos 7/5/00 B. Contor

Old structure in channel between North Lake Well Channel and Mud Lake, 7N 34E 33 SE ¼, looking NE.

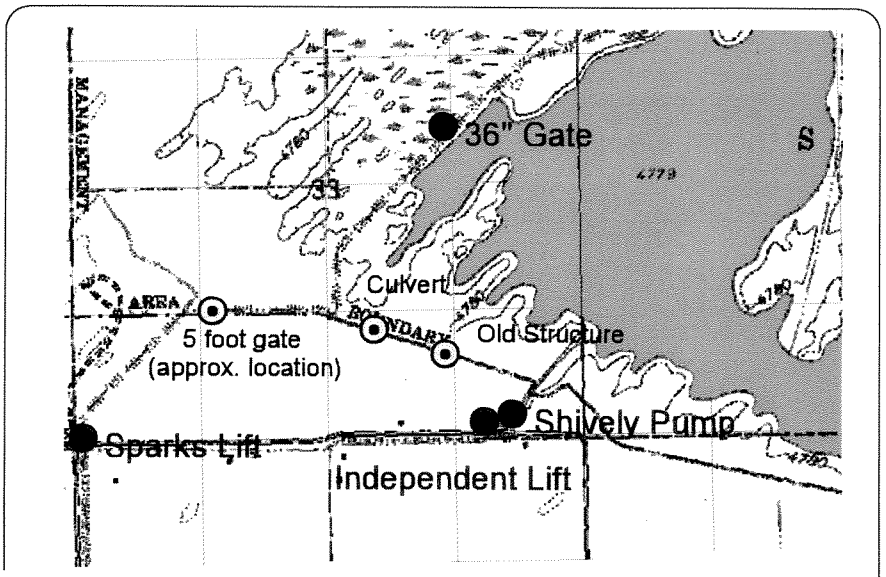
Mud Lake Water Users GW and Surface Claims.

See narrative to "Culvert" in same quarter section. This may have been an older structure to accomplish the same purposes as the current culvert.



AJ Field Inspection Photograph 7/5/2000

Culvert Between Sparks & Lake 7N 34E 33 SE



Red features by GPS, Yellow features approximate location

AJ Field Inspection Photos 7/5/00 B. Contor

Culvert between North Lake Well Channel and Mud Lake Channel, 7N 34E 33 SE ¼, looking E NE.

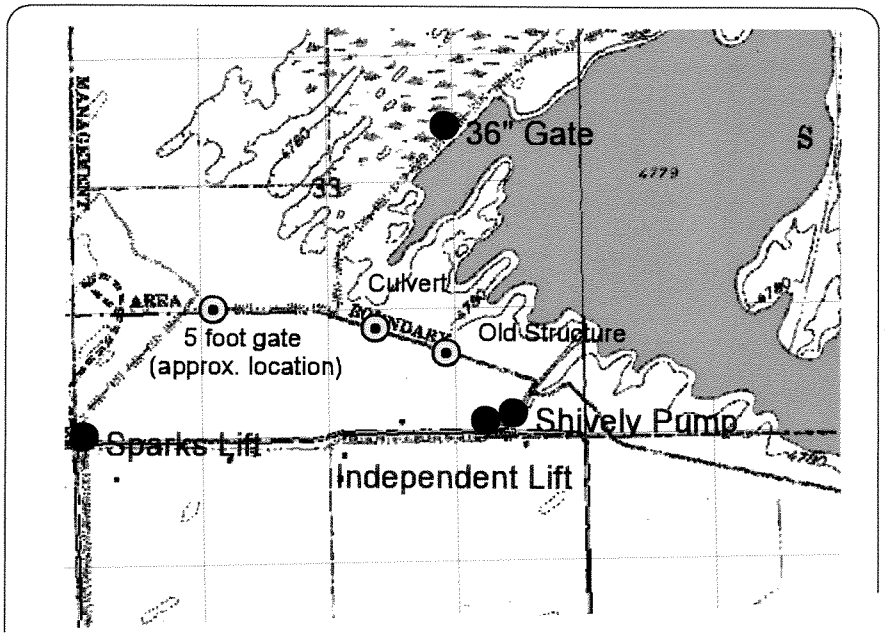
Mud Lake Water Users GW and Surface Claims.

This culvert could be closed (see flanges for slide gate), though I did not see a gate present and expect this is not a common practice. If this gate were closed and the structure in 7N 34E NWNE were checked up, then the Sparks Lift in 7N 34E 33 SWSWSW would only lift North Lake Well Field water, and the North Lake Well Field would not contribute to the lake.



AJ Field Inspection Photograph 7/5/2000

36" Gate to West Slough 7N 34E 33 NE



Red features located by GPS, Yellow features location approximate

AJ Field Inspection Photos 7/5/00 B. Contor

36" Gate between North Lake Well Channel and West Marsh (Slough), 7N 34E 33 NE ¼, looking SW.

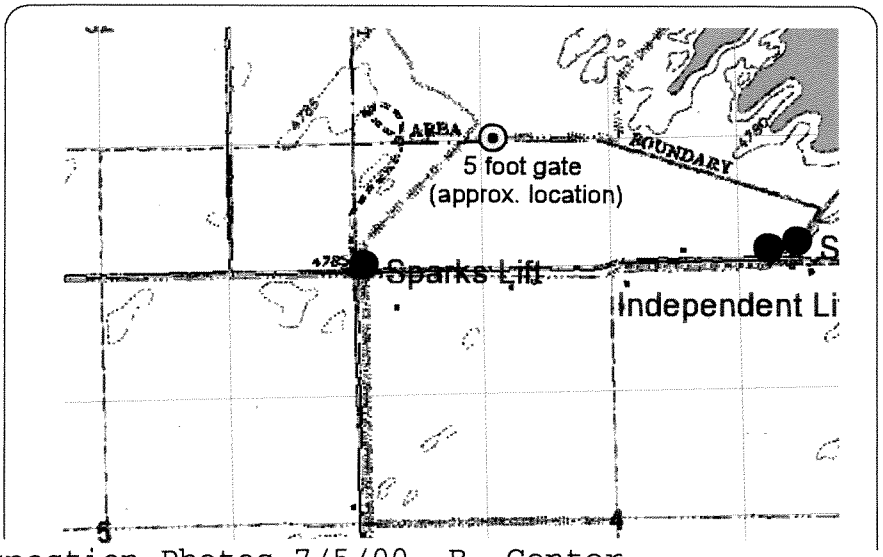
Mud Lake Water Users GW and Surface Claims.

See also "5 foot gate." The purpose for this gate is to allow water into the West Slough for storage and/or flood control, and to allow water from the West Slough to flow back towards the lake for diversion and beneficial use, as the lake drops.



AJ Field Inspection Photograph 7/5/2000

5 Foot Gate to West Marsh 7N 34E 33 SW 1/4



AJ Field Inspection Photos 7/5/00 B. Contor

5 foot gate to West Marsh (Slough), 7N 34E 33 SW ¼, looking NE from south side of North Lake Well Channel.

Mud Lake Water Users GW and Surface claims.

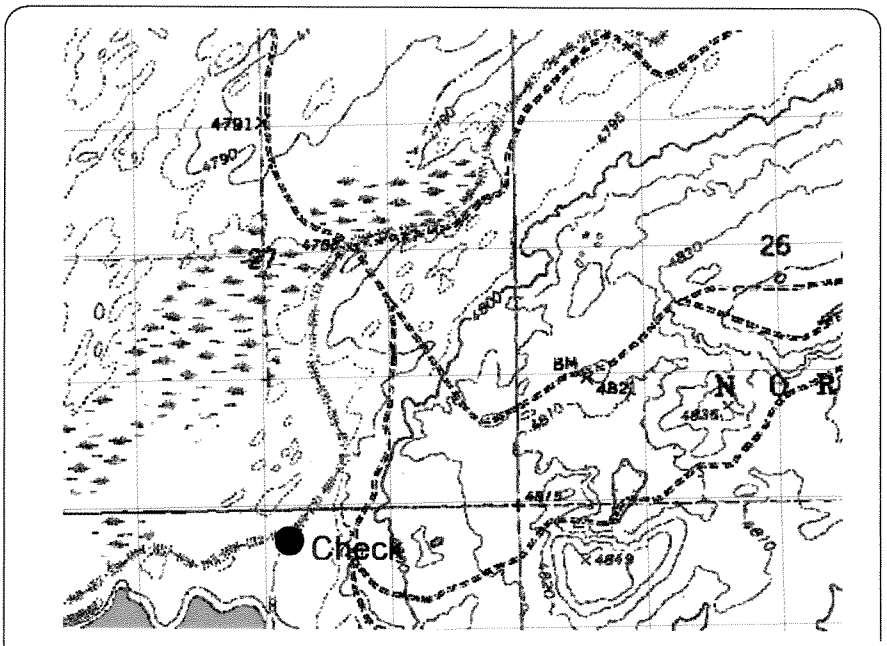
See also "36 gate." The purpose for this gate is to allow water into the West Slough for storage and/or flood control, and to allow water from the West Slough to flow back towards the lake for diversion and beneficial use, as the lake drops.

No GPS reading of location.



AJ Field Inspection Photograph 7/5/2000

North Lake Channel Check Structure 7N 34E 34 NWNE



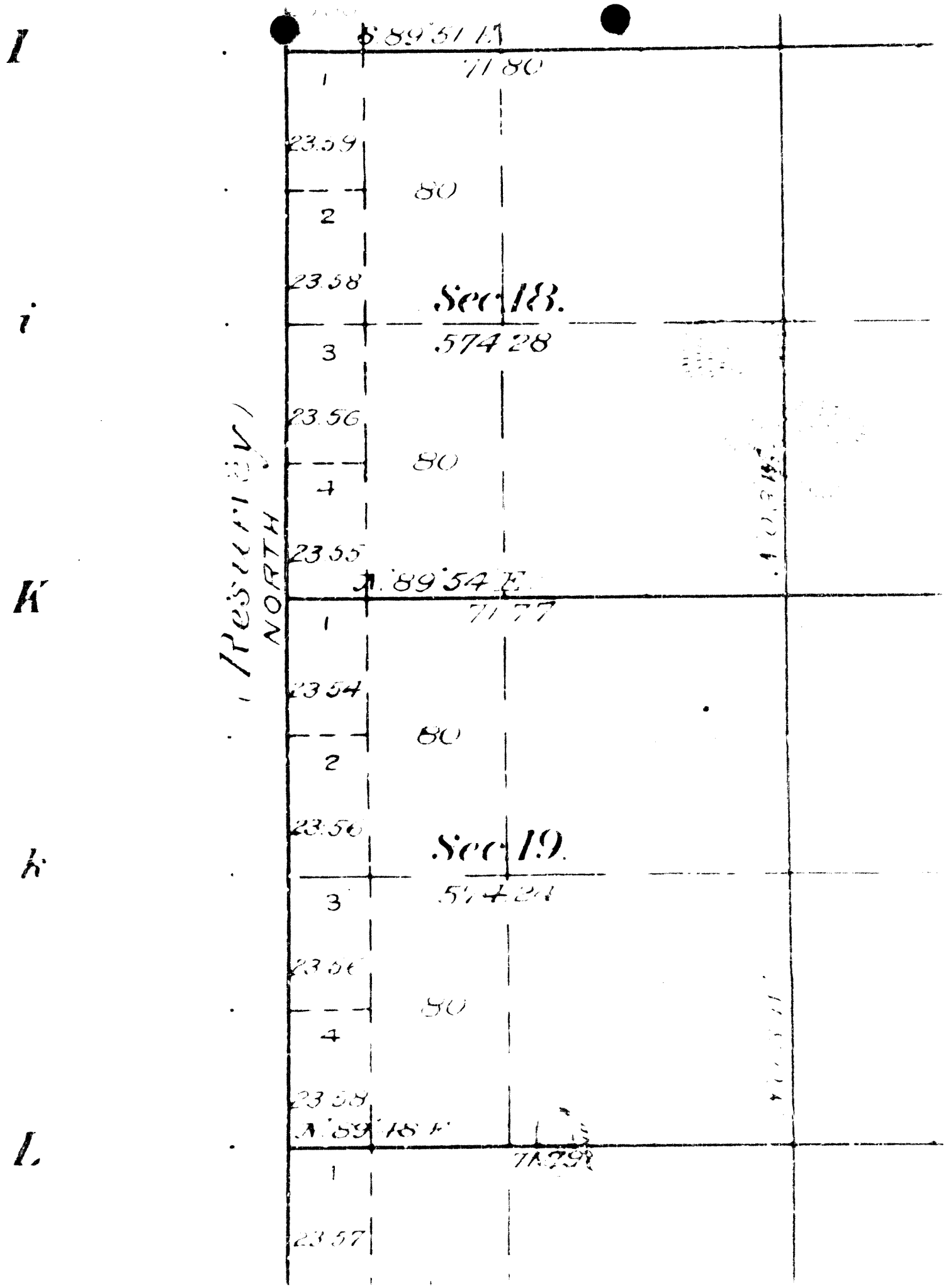
AJ Field Inspection Photos 7/5/00 B. Contor

North Lake Channel Check Structure.

Mud Lake Water Users GW and Surface Claims.

This check structure, if opened, allows North Lake Well water to continue southward to enter the lake. If closed, water moves SW in the channel to the channel from the lake to the Sparks Lift. See narrative at "Culvert," 7N 34E 33 SE.




I
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K
k
L
S 89 31 E
71 80
1
23.59
80
2
23.58
Sec 18.
57428
3
23.56
80
4
23.55
N 89 54 E
71 77
1
23.54
80
2
23.56
Sec 19.
57434
3
80
4
N 89 18 E
71 79
1
23.57
PRESCOTT (S.V.)
NORTH

MOTOR RATINGS IN HORSE POWER

OWSLEY

MAIN

1 - 200
2 - 200
3 - 200
4 - 150

SPARKS

1 - 250
2 - 50
3 - 25

SUB PUMPS

1 - 20
2 - 15
3 - 5
4 - 3
5 - 7.5
6 - 15
7 - 15
8 - 15
9 - 25
10 - 7.5
11 - 25
12 - 20
13 - 5

JACKET

LIFTS # 1

1 - 30
2 - 25
3 - 30
4 - 25
5 - 50
6 - 15

WEST LIFTS # 2

1 - 30
2 - 15
3 - 15

HOLLEY

WELLS

1 - 60
2 - 100
3 - 125
4 - 25
5 - 50
6 - 50
7 - 100
8 - 125

LIFTS

9 - 250
1 - 75
2 - 50
3 - 30

WELLS

JACKET + BUCK

3 - 75
4 - 75
1 - 200
2 - 150
3 - 50

WELLS

NORTH LAKE

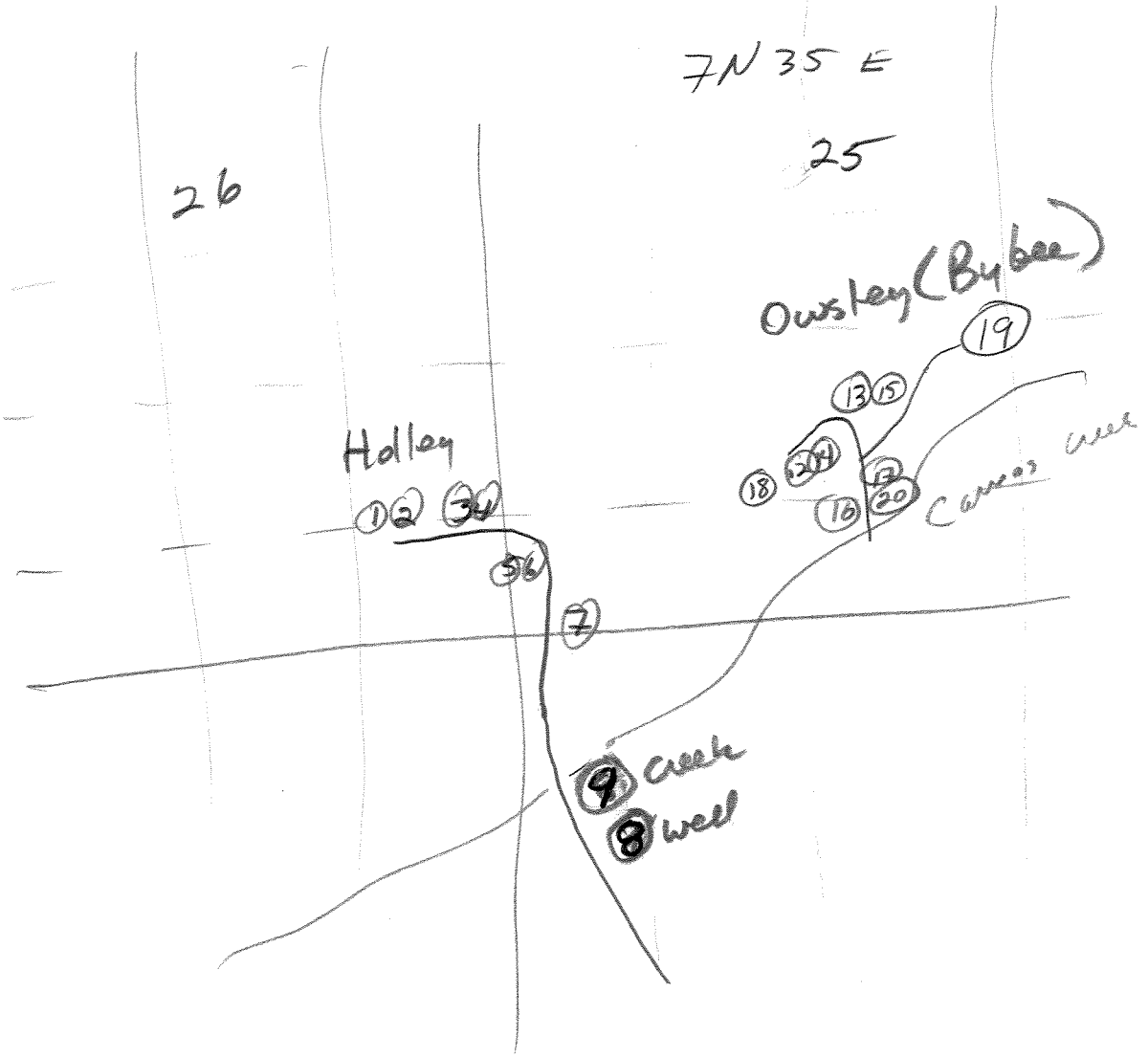
1 - 75
3 - 75
4 - 75
5 - 75
6 - 100
7 - 125
8 - 75
9 - 100
10 - 100
11C - 200
11E - 200

BYBEE

12 - 100
13 - 100
14 -200
15 - 100
16 - 100
17 - 100
18 - 200
19 - 200
20 - 75

9/25/99

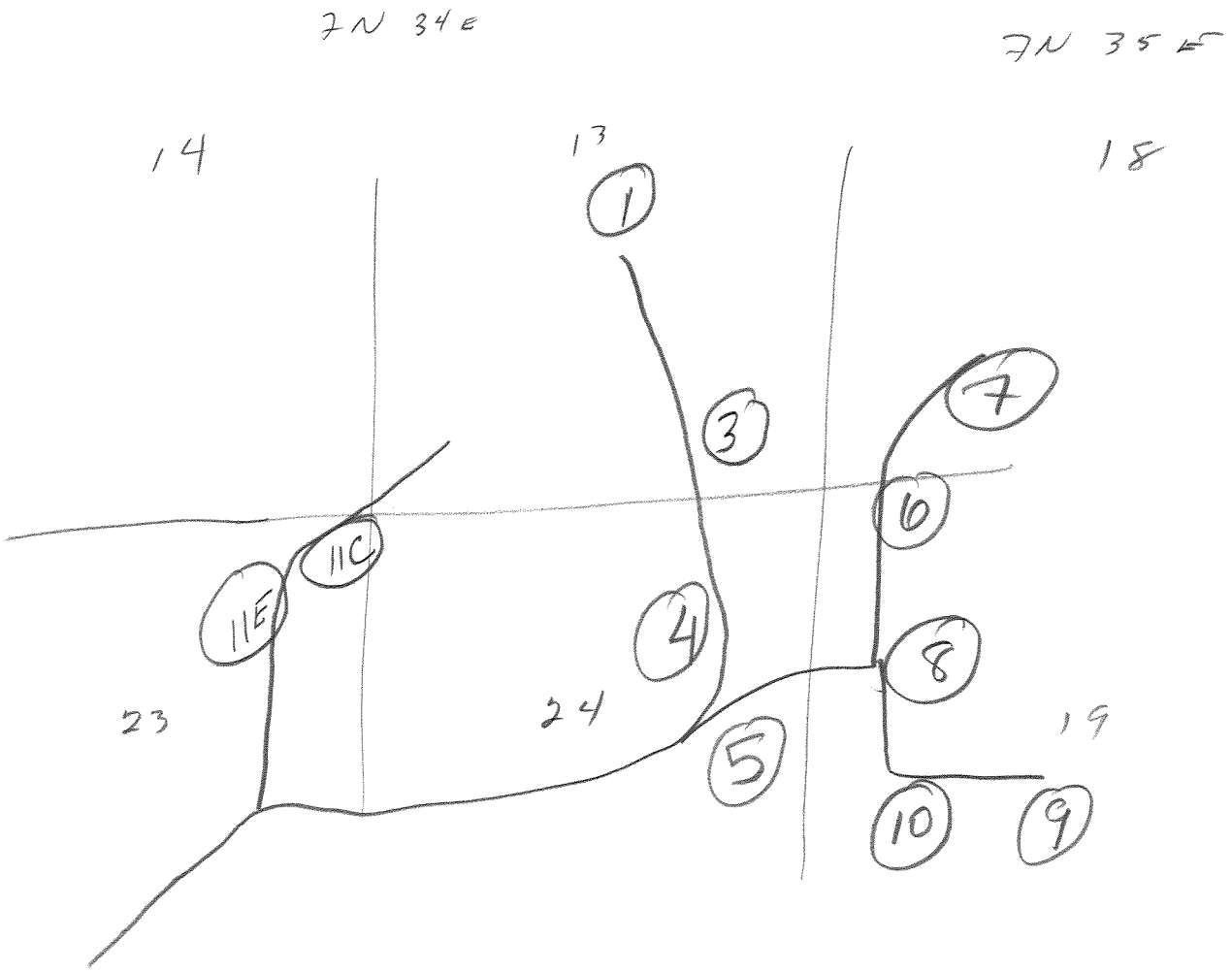
Holley Wells & Owsley Wells
Sketched from Mud Lake WUA Map
7/5/00 B. Croton



North Lake Wells

Sketched from Mud Lake WMA map

7/5/00 B. Coulton



Contor, Bryce

From: Contor, Bryce
Sent: Friday, July 07, 2000 12:05 PM
To: McHugh, Candice; Jones, Harold (Skip); Carlsen, Ernie
Cc: Dunn, Dennis
Subject: Transfer 5335

Hi all.

Garth Soderquist of Mud Lake Water Users came in today to discuss drilling a replacement well for a well that was historically used but has caved in. I took GPS readings of the wells and proposed locations and plotted them on ArcView, so I have access to better information than has been available previously.

I see no problem with the proposed well, from either a water right standpoint or an injury standpoint. There are two possible approaches. I would like to treat it as a replacement well, because historically there was a well in this location, and to avoid the cost of a transfer. The other approach would be a formal transfer.

However, post-1987 Transfer 5335 has some issues that may interfere with calling this a replacement well, and the new fee structure poses a possible barrier to filing for a transfer to change the POD.

Here are some background information and concerns:

1. This well is in the "North Lake Well Field," located in 7N 34E 13, 23, and 24, and 7N 35E 18 and 19. In this well field are 11 active wells, and two historically used wells that have caved in. The proposed replacement well would bring the total to 12 active wells in the North Lake Well Field.

2. Transfer 5335 recognizes 9 quarter-quarters (or govt. lots) in this area, and notes that there are two wells in 7N 35E 19 lot 1. As I read it, this authorizes 10 points of diversion, not the 11 that are currently in use (and were in use at the time of the transfer).

3. One of the quarter-quarters recognized by the transfer has no wells in it (7N 34E 13 SESE). Mr. Soderquist believes this may not even belong to the Mud Lake Water Users.

4. Three of the wells currently in use are in quarter-quarters not recognized by the transfer.

5. The quarter-quarter with the failed well, and where the proposed replacement well would be drilled, is listed on Transfer 5335. However, there are no active wells in this quarter-quarter.

6. The desired capacity of the new well would be on the order of 18 – 20 cfs. This is reasonable in light of other wells in the vicinity and the water rights of Mud Lake Water Users. The transfer fee on 20 cfs would be $1010.

7. If this well cannot be drilled as a replacement, Mud Lake Water Users would like to file a transfer to add the new well as a point of diversion. As part of the transfer, use of a well in 7N 35E 23 SWSWSW would be eliminated. This is about six miles east of the proposed new well.

8. Transfer 5335 appears to link all their water rights with a combined diversion capacity of 634 cfs. The transfer fee on 634 cfs would be $6,878. That would be ridiculous.

9. There are no other apparent obstacles to the transfer, and no likely protestors.

Questions:

1. Can we ignore the obvious problems w. T 5335 and suggest that the proposed new well is a replacement of the failed well? This would be the cleanest and best for the claimant.

2. If we have to go to a transfer, can we simply add a POD on one of the component rights of T 5335, so that the fee is only based on the cfs of the one right, rather than base it on the combined cfs of T 5335?

Cc: Mud Lake Water Users

Contor, Bryce
From: Contor, Bryce
Sent: Friday, July 07, 2000 2:02 PM
To: Contor, Bryce; McHugh, Candice; Jones, Harold (Skip); Carlsen, Ernie
Cc: Dunn, Dennis
Subject: RE: Transfer 5335

I just finished talking with Skip. His take is that since the transfer recognizes a POD in the quarter-quarter where the failed well is (and the replacement is proposed) we just go with a drilling permit for a replacement well. Maybe someday we'll have to tackle the other issues with another transfer, perhaps in the future the fee structure will be modified again and it won't be such a burden.

The driller is supposed to look at the site Monday, and Garth meets with the board of directors Monday night (July 10). He'd like to have a decision by then. Unless a good reason surfaces to change Skip's recommendation, I'll call Garth Monday afternoon and relay the message that we'll consider it a replacement well.

Thanks, Bryce

-----Original Message-----
From: **Contor, Bryce**
Sent: Friday, July 07, 2000 12:05 PM
To: McHugh, Candice; Jones, Harold (Skip); Carlsen, Ernie
Cc: Dunn, Dennis
Subject: Transfer 5335

Hi all.

Garth Soderquist of Mud Lake Water Users came in today to discuss drilling a replacement well for a well that was historically used but has caved in. I took GPS readings of the wells and proposed locations and plotted them on ArcView, so I have access to better information than has been available previously.

I see no problem with the proposed well, from either a water right standpoint or an injury standpoint. There are two possible approaches. I would like to treat it as a replacement well, because historically there was a well in this location, and to avoid the cost of a transfer. The other approach would be a formal transfer.

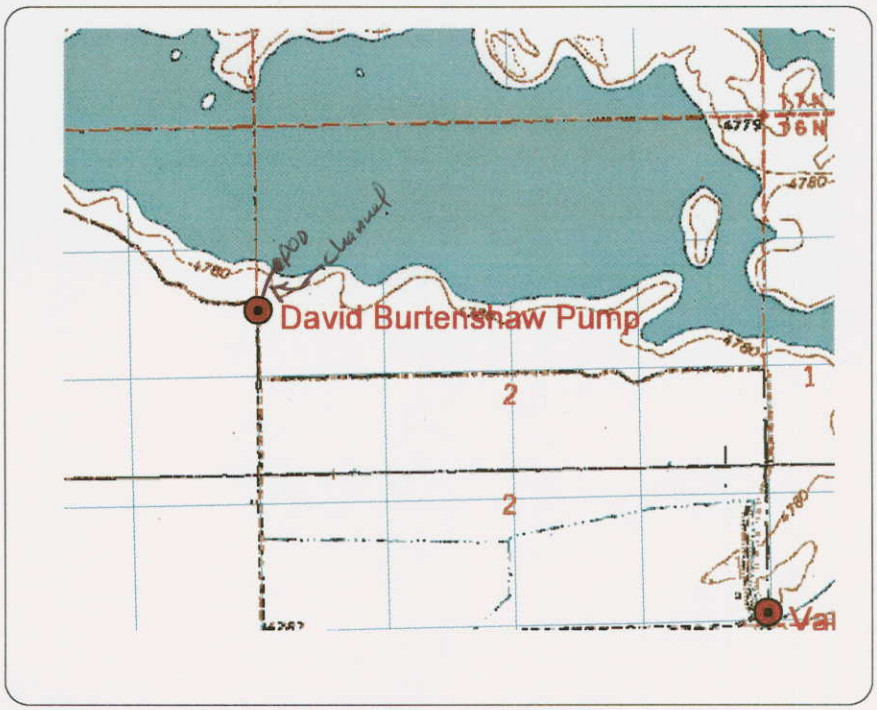
However, post-1987 Transfer 5335 has some issues that may interfere with calling this a replacement well, and the new fee structure poses a possible barrier to filing for a transfer to change the POD.

Here are some background information and concerns:

1. This well is in the "North Lake Well Field," located in 7N 34E 13, 23, and 24, and 7N 35E 18 and 19. In this well field are 11 active wells, and two historically used wells that have caved in. The proposed replacement well would bring the total to 12 active wells in the North Lake Well Field.

2. Transfer 5335 recognizes 9 quarter-quarters (or govt. lots) in this area, and notes that there are two wells in 7N 35E 19 lot 1. As I read it, this authorizes 10 points of diversion, not the 11 that are currently in use (and were in use at the time of the transfer).

AJ Field Inspection Photograph 7/5/2000
David Burtenshaw Pump 6N 34E 1 NWSW



AJ Field Inspection Photos 7/5/00 B. Contor

David Burtenshaw pump, 6N 34E 1 NWSW, looking E.

Mud Lake Water Users GW and Surface claims. POD is approx. 700 ft N NE in 6N 34E 1 SWNW.

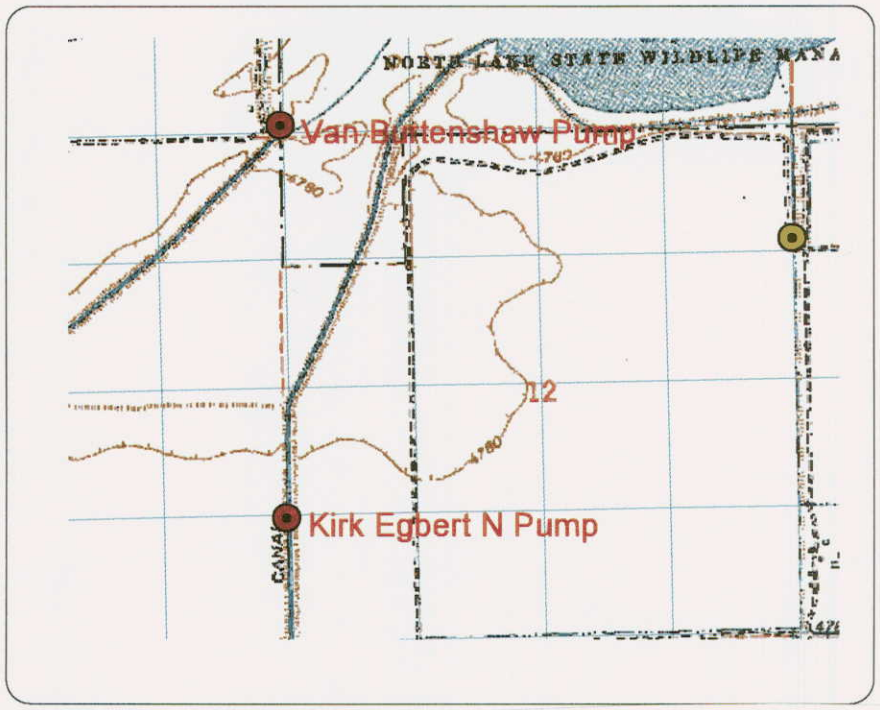
No site tag.



Locator Map for Photograph

Van Burtenshaw Lift

6N 34E 1 SWSWSW



AJ Field Inspection Photos 7/5/00 B. Contor

Van Burtenshaw Lift, 6N 34E 1 SWSWSW, looking E.

Mud Lake Water Users Surface and GW claims, Independent GW claims, Burtenshaw SW claims. POD is approx. 3/8 mile NE in 6N 34E 1 SESW.

No site tag.



» «

AF site visit 7/5/00 AB Conlon

Acc by Peter Fisher

Claimant MLWUA, Van/Don Bartenshaw, Independent water users

Site name: Van Bartenshaw pumps

GPS R070520E Offset zero

2 pumps, nominal 100 (N) 150 (S)

Q meters: South 2200 GPM

North 2300 GPM

Lift ≃ 3' + ≃ 60 psi est.

» «

AF Site visit 7/5/00 B Coulter

Acc by Peter Fisher

Claimant MCWVA

Diversion: David Bartenshaw

GPS R0705 20F offset zero

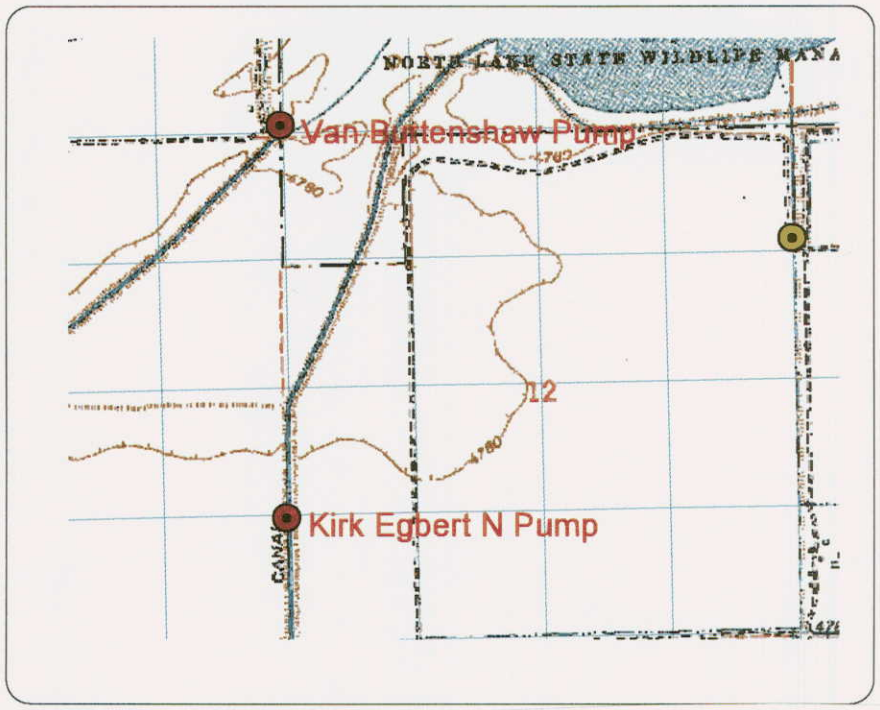
Motor nameplate 25 hp 1,15 ≃ 2-3 ft but expect high friction loss

ABB 1292479 0,00 KW on meter

Locator Map for Photograph

Van Burtenshaw Lift

6N 34E 1 SWSWSW



AJ Field Inspection Photos 7/5/00 B. Contor

Van Burtenshaw Lift, 6N 34E 1 SWSWSW, looking E.

Mud Lake Water Users Surface and GW claims, Independent GW claims, Burtenshaw SW claims. POD is approx. 3/8 mile NE in 6N 34E 1 SESW.

No site tag.



AF Site visit 7/5/00 L. Coulter

Acc by Peter Fisher

Claimant MLWUA

Diversion Shively Pump

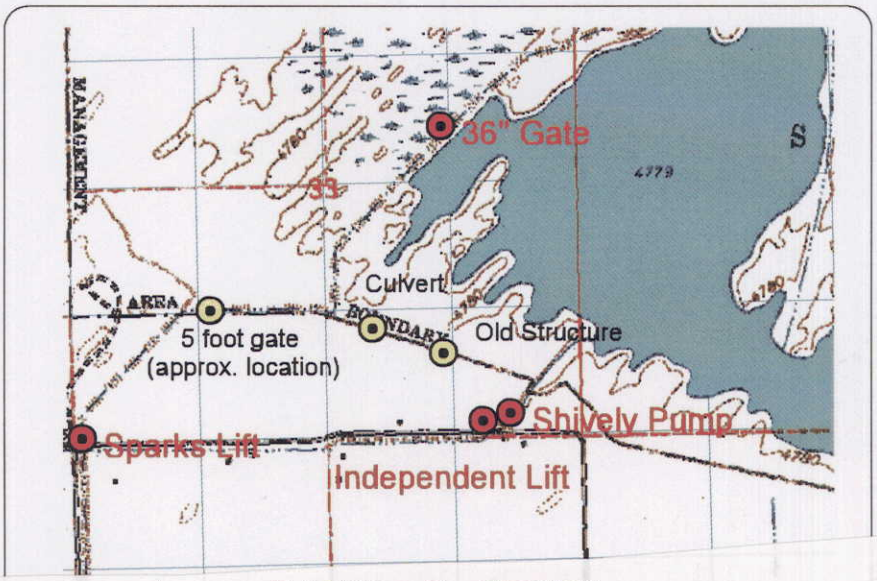
GPS R0 70520 G offset zero

Motor nameplate 75 hp 1/Ct = 2' psi est. 60

UPL 100.26 KW 1138328 ABB

AJ Field Inspection Photograph 7/5/2000

Sparks Lift 7N 34E 33 SWSWSW



Red features located by GPS, yellow features location approximate

AJ Field Inspection Photos 7/5/00 B. Contor

Sparks Lift, 7N 34E 33 SWSWSW, looking W SW.

Mud Lake Water Users GW and Surface claims. POD is approx. 1 mile east in 7N 34E NWSWSW.

This lift is generally supplied by the North Lake Well Field; on 7/5/2000 all three pumps were running here and water from the North Lake Well Field was supplying all this lift's needs and still contributing water eastward to the lake through the culvert in 7N 34E 33 SW ¼ (see photo), as well as southward to the lake at the check structure in 7N 34E 34 NWNE.



ADJUDICATION SITE VISIT - B. CONTOR

Date 7/5/00

Accompanied by Peter Fisher

Claim Number MLWU Inc.

Type of Feature (Diversion) Rediversion

Other _____

Name of Feature Sparks

GPS Filename RD705 21 A

Offset (Inst. To Feature) _____

Tag Number none

Tag Location _____

Narrative _____

Per Shawn Gnoza this can pull well water or lake water. Can't pull lake water below 3 ft.

lift estimated 8'

Motor hp 25 #3

50 #2

250 #1

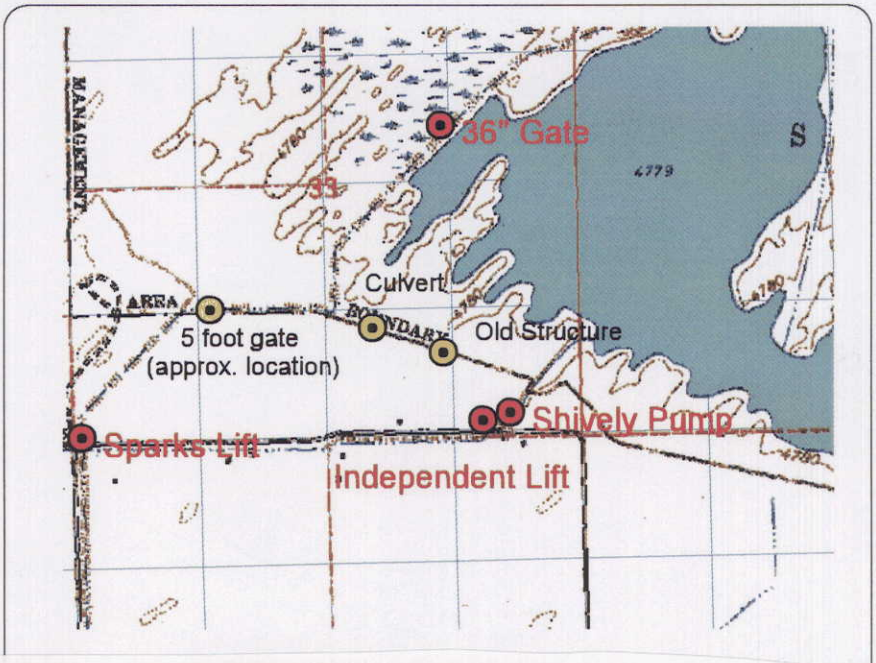
all three running

ABB 1123867

4.75 x 40 KW

AJ Field Inspection Photograph 7/5/2000

Old Structure 7N 34E 33 SE



Red features located by GPS, Yellow features location approximate

AJ Field Inspection Photos 7/5/00 B. Contor

Old structure in channel between North Lake Well Channel and Mud Lake, 7N 34E 33 SE ¼, looking NE.

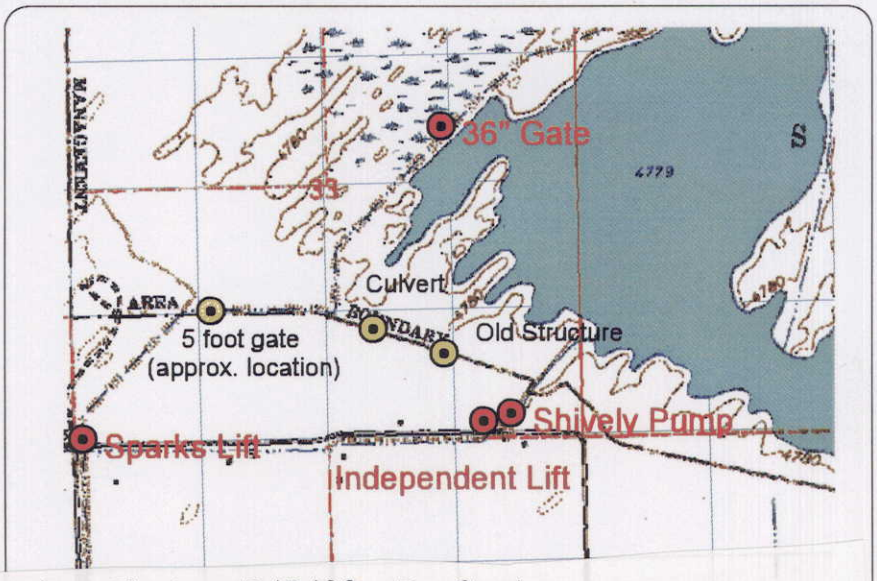
Mud Lake Water Users GW and Surface Claims.

See narrative to "Culvert" in same quarter section. This may have been an older structure to accomplish the same purposes as the current culvert.



AJ Field Inspection Photograph 7/5/2000

Culvert Between Sparks & Lake 7N 34E 33 SE



Red features by GPS, Yellow features approximate location

AJ Field Inspection Photos 7/5/00 B. Contor

Culvert between North Lake Well Channel and Mud Lake Channel, 7N 34E 33 SE ¼, looking E NE.

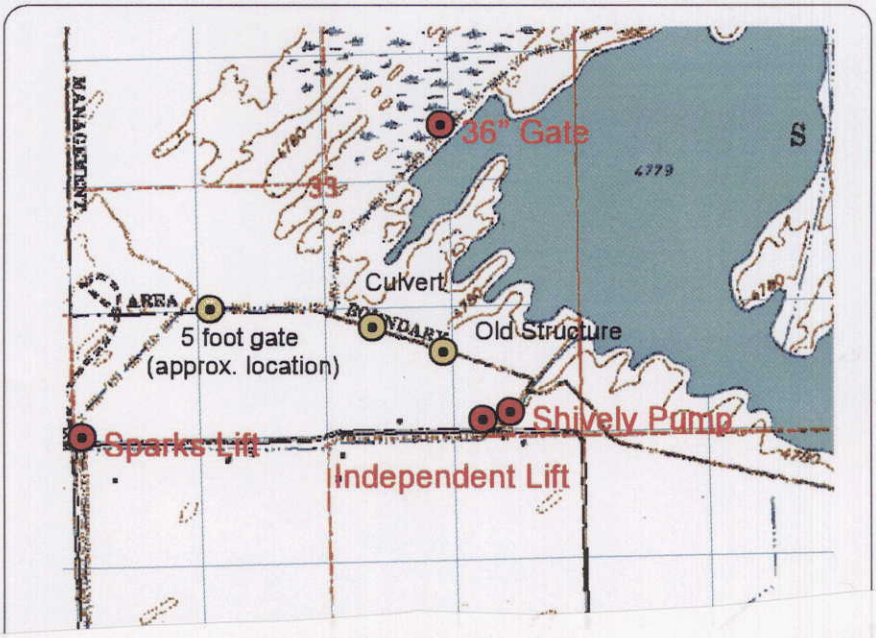
Mud Lake Water Users GW and Surface Claims.

This culvert could be closed (see flanges for slide gate), though I did not see a gate present and expect this is not a common practice. If this gate were closed and the structure in 7N 34E NWNE were checked up, then the Sparks Lift in 7N 34E 33 SWSWSW would only lift North Lake Well Field water, and the North Lake Well Field would not contribute to the lake.



AJ Field Inspection Photograph 7/5/2000

36" Gate to West Slough 7N 34E 33 NE



Red features located by GPS, yellow features location approximate

AJ Field Inspection Photos 7/5/00 B. Contor

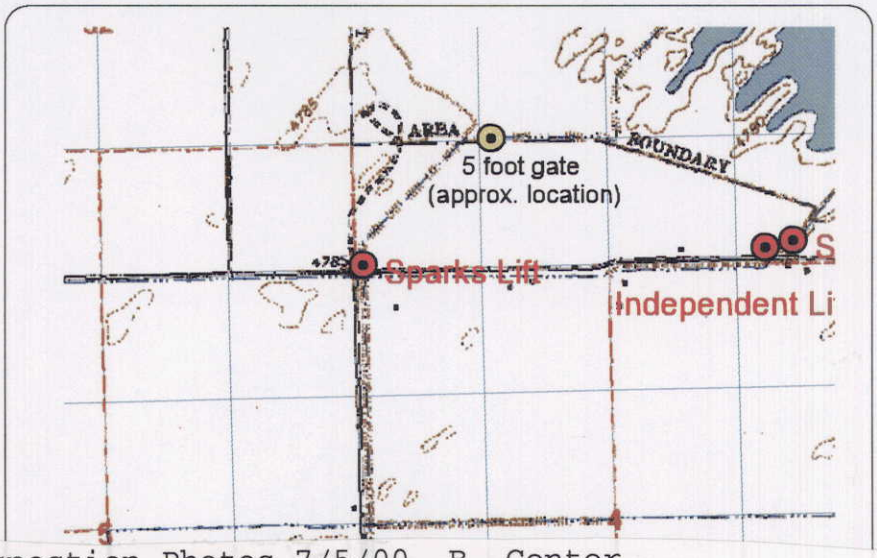
36" Gate between North Lake Well Channel and West Marsh (Slough), 7N 34E 33 NE ¼, looking SW.

Mud Lake Water Users GW and Surface Claims.

See also "5 foot gate." The purpose for this gate is to allow water into the West Slough for storage and/or flood control, and to allow water from the West Slough to flow back towards the lake for diversion and beneficial use, as the lake drops.



AJ Field Inspection Photograph 7/5/2000
5 Foot Gate to West Marsh 7N 34E 33 SW 1/4



AJ Field Inspection Photos 7/5/00 B. Contor

5 foot gate to West Marsh (Slough), 7N 34E 33 SW ¼, looking NE from south side of North Lake Well Channel.

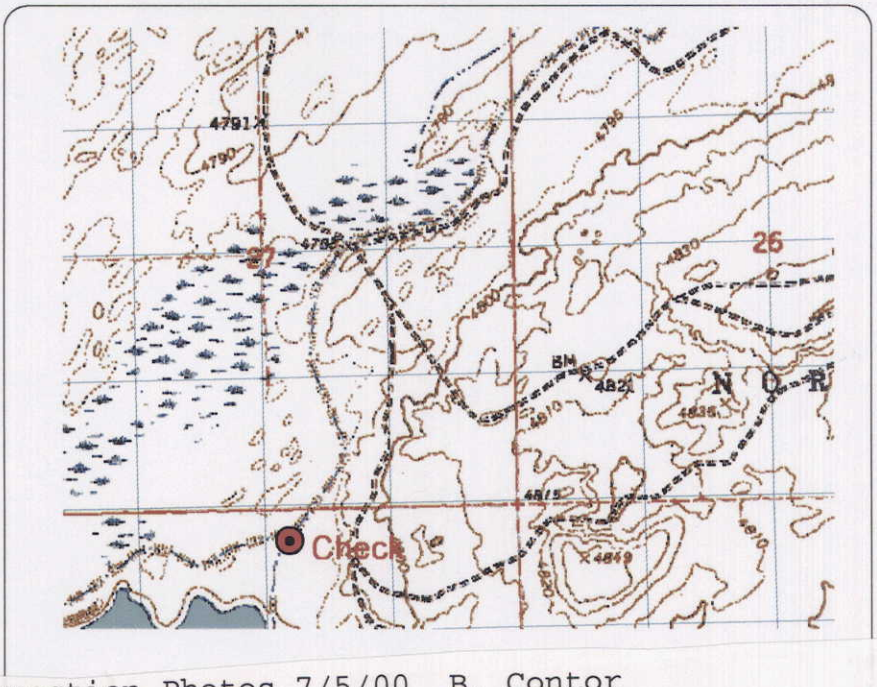
Mud Lake Water Users GW and Surface claims.

See also "36 gate." The purpose for this gate is to allow water into the West Slough for storage and/or flood control, and to allow water from the West Slough to flow back towards the lake for diversion and beneficial use, as the lake drops.

No GPS reading of location.



AJ Field Inspection Photograph 7/5/2000
North Lake Channel Check Structure 7N 34E 34 NWNE



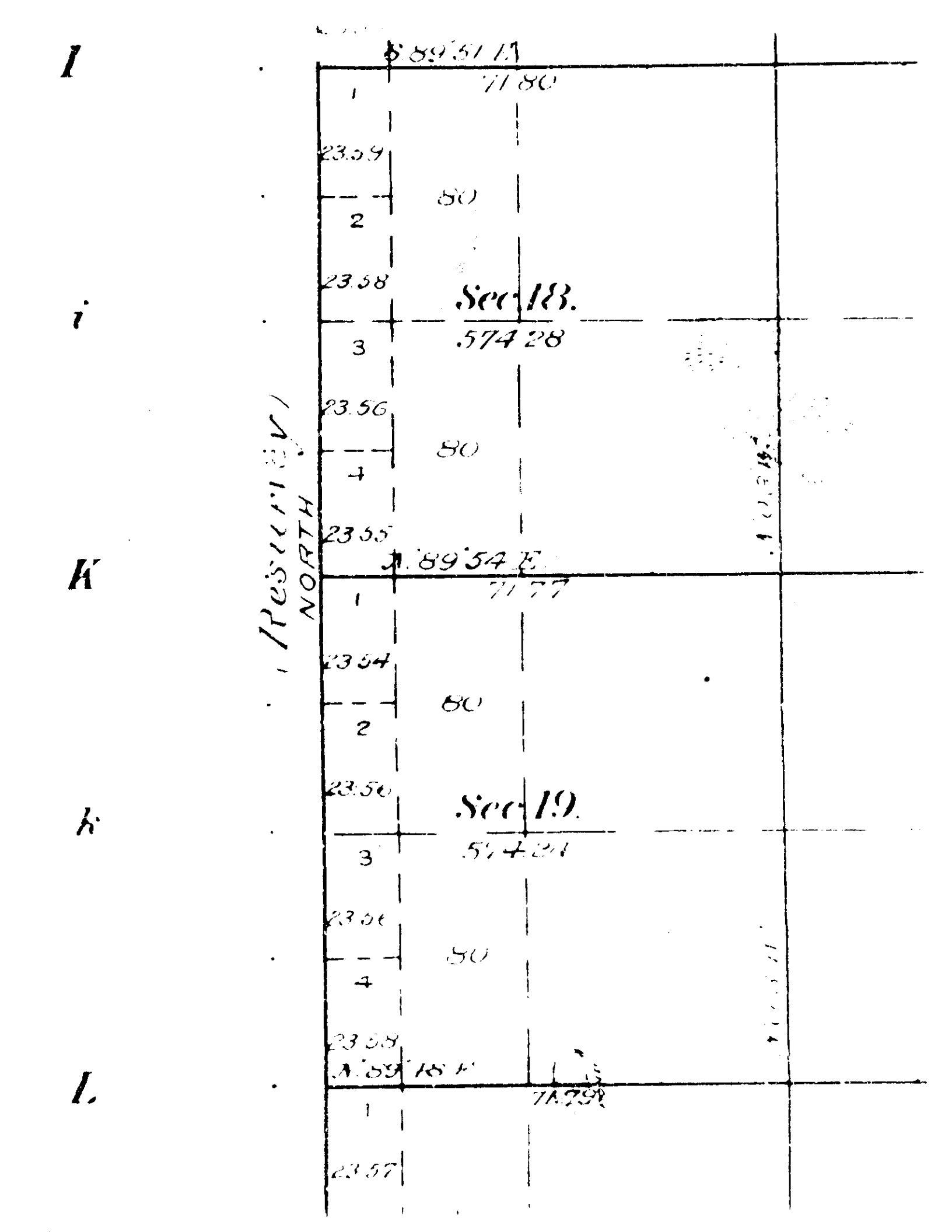
AJ Field Inspection Photos 7/5/00 B. Contor

North Lake Channel Check Structure.

Mud Lake Water Users GW and Surface Claims.

This check structure, if opened, allows North Lake Well water to continue southward to enter the lake. If closed, water moves SW in the channel to the channel from the lake to the Sparks Lift. See narrative at "Culvert," 7N 34E 33 SE.




I
i
K
k
L
S 89 51 W
77 80
1
23.59
2
80
23.58
Sec 18.
3
57428
23.56
4
80
23.55
N 89 54 E
77 77
1
23.54
2
80
23.50
Sec 19.
3
57424
23.56
4
80
23.58
N 89 18 E
77 79
1
23.57
(PRESUMED) NORTH

MOTOR RATINGS IN HORSE POWER

OWSLEY

MAIN

1 - 200
2 - 200
3 - 200
4 - 150

SPARKS

1 - 250
2 - 50
3 - 25

SUB PUMPS

1 - 20
2 - 15
3 - 5
4 - 3
5 - 7.5
6 - 15
7 - 15
8 - 15
9 - 25
10 - 7.5
11 - 25
12 - 20
13 - 5

JACKET

LIFTS # 1

1 - 30
2 - 25
3 - 30
4 - 25
5 - 50
6 - 15

WEST LIFTS # 2

1 - 30
2 - 15
3 - 15

HOLLEY

WELLS

1 - 60
2 - 100
3 - 125
4 - 25
5 - 50
6 - 50
7 - 100
8 - 125

LIFTS

9 - 250
1 - 75
2 - 50
3 - 30

WELLS

JACKET + BUCK

3 - 75
4 - 75
1 - 200
2 - 150
3 - 50

WELLS

NORTH LAKE

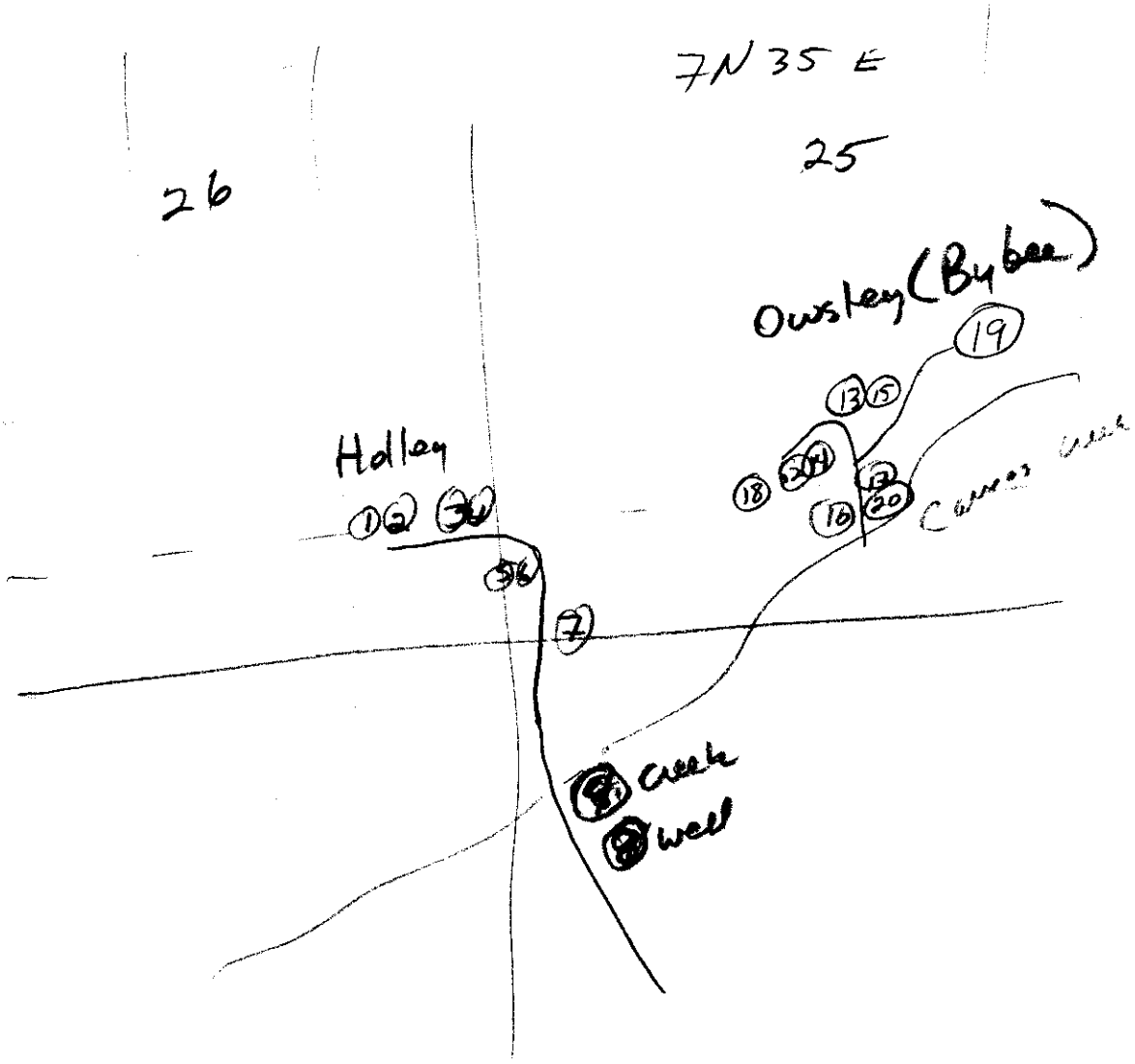
1 - 75
3 - 75
4 - 75
5 - 75
6 - 100
7 - 125
8 - 75
9 - 100
10 - 100
11C - 200
11E - 200

BYBEE

12 - 100
13 - 100
14 -200
15 - 100
16 - 100
17 - 100
18 - 200
19 - 200
20 - 75

9/25/99

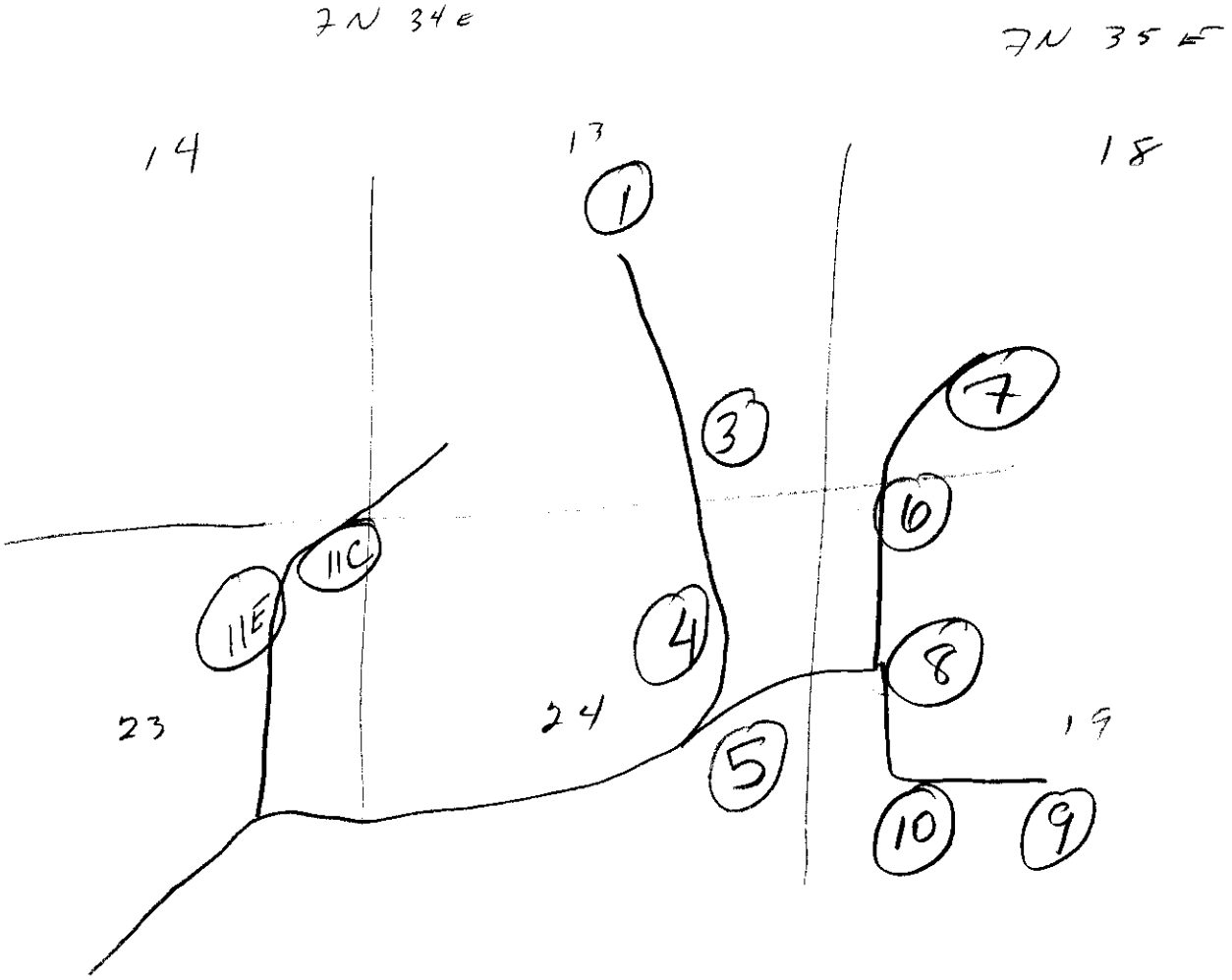
Holley Wells & Owsley Wells
Sketched from Mud Lake WUA Map
7/5/00 B. Croton



North Lake Wells

Sketched from Mud Lake UWA map

7/5/00 B. Conlon



Contor, Bryce

From: Contor, Bryce
Sent: Friday, July 07, 2000 12:05 PM
To: McHugh, Candice; Jones, Harold (Skip); Carlsen, Ernie
Cc: Dunn, Dennis
Subject: Transfer 5335

Hi all.

Garth Soderquist of Mud Lake Water Users came in today to discuss drilling a replacement well for a well that was historically used but has caved in. I took GPS readings of the wells and proposed locations and plotted them on ArcView, so I have access to better information than has been available previously.

I see no problem with the proposed well, from either a water right standpoint or an injury standpoint. There are two possible approaches. I would like to treat it as a replacement well, because historically there was a well in this location, and to avoid the cost of a transfer. The other approach would be a formal transfer.

However, post-1987 Transfer 5335 has some issues that may interfere with calling this a replacement well, and the new fee structure poses a possible barrier to filing for a transfer to change the POD.

Here are some background information and concerns:

1. This well is in the "North Lake Well Field," located in 7N 34E 13, 23, and 24, and 7N 35E 18 and 19. In this well field are 11 active wells, and two historically used wells that have caved in. The proposed replacement well would bring the total to 12 active wells in the North Lake Well Field.

2. Transfer 5335 recognizes 9 quarter-quarters (or govt. lots) in this area, and notes that there are two wells in 7N 35E 19 lot 1. As I read it, this authorizes 10 points of diversion, not the 11 that are currently in use (and were in use at the time of the transfer).

3. One of the quarter-quarters recognized by the transfer has no wells in it (7N 34E 13 SESE). Mr. Soderquist believes this may not even belong to the Mud Lake Water Users.

4. Three of the wells currently in use are in quarter-quarters not recognized by the transfer.

5. The quarter-quarter with the failed well, and where the proposed replacement well would be drilled, is listed on Transfer 5335. However, there are no active wells in this quarter-quarter.

6. The desired capacity of the new well would be on the order of 18 – 20 cfs. This is reasonable in light of other wells in the vicinity and the water rights of Mud Lake Water Users. The transfer fee on 20 cfs would be $1010.

7. If this well cannot be drilled as a replacement, Mud Lake Water Users would like to file a transfer to add the new well as a point of diversion. As part of the transfer, use of a well in 7N 35E 23 SWSWSW would be eliminated. This is about six miles east of the proposed new well.

8. Transfer 5335 appears to link all their water rights with a combined diversion capacity of 634 cfs. The transfer fee on 634 cfs would be $6,878. That would be ridiculous.

9. There are no other apparent obstacles to the transfer, and no likely protestors.

Questions:

1. Can we ignore the obvious problems w. T 5335 and suggest that the proposed new well is a replacement of the failed well? This would be the cleanest and best for the claimant.

2. If we have to go to a transfer, can we simply add a POD on one of the component rights of T 5335, so that the fee is only based on the cfs of the one right, rather than base it on the combined cfs of T 5335?

Cc: Mud Lake Water Users

Contor, Bryce
From: Contor, Bryce
Sent: Friday, July 07, 2000 2:02 PM
To: Contor, Bryce; McHugh, Candice; Jones, Harold (Skip); Carlsen, Ernie
Cc: Dunn, Dennis
Subject: RE: Transfer 5335

I just finished talking with Skip. His take is that since the transfer recognizes a POD in the quarter-quarter where the failed well is (and the replacement is proposed) we just go with a drilling permit for a replacement well. Maybe someday we'll have to tackle the other issues with another transfer, perhaps in the future the fee structure will be modified again and it won't be such a burden.

The driller is supposed to look at the site Monday, and Garth meets with the board of directors Monday night (July 10). He'd like to have a decision by then. Unless a good reason surfaces to change Skip's recommendation, I'll call Garth Monday afternoon and relay the message that we'll consider it a replacement well.

Thanks, Bryce

-----Original Message-----
From: **Contor, Bryce**
Sent: Friday, July 07, 2000 12:05 PM
To: McHugh, Candice; Jones, Harold (Skip); Carlsen, Ernie
Cc: Dunn, Dennis
Subject: Transfer 5335

Hi all.

Garth Soderquist of Mud Lake Water Users came in today to discuss drilling a replacement well for a well that was historically used but has caved in. I took GPS readings of the wells and proposed locations and plotted them on ArcView, so I have access to better information than has been available previously.

I see no problem with the proposed well, from either a water right standpoint or an injury standpoint. There are two possible approaches. I would like to treat it as a replacement well, because historically there was a well in this location, and to avoid the cost of a transfer. The other approach would be a formal transfer.

However, post-1987 Transfer 5335 has some issues that may interfere with calling this a replacement well, and the new fee structure poses a possible barrier to filing for a transfer to change the POD.

Here are some background information and concerns:

1. This well is in the "North Lake Well Field," located in 7N 34E 13, 23, and 24, and 7N 35E 18 and 19. In this well field are 11 active wells, and two historically used wells that have caved in. The proposed replacement well would bring the total to 12 active wells in the North Lake Well Field.

2. Transfer 5335 recognizes 9 quarter-quarters (or govt. lots) in this area, and notes that there are two wells in 7N 35E 19 lot 1. As I read it, this authorizes 10 points of diversion, not the 11 that are currently in use (and were in use at the time of the transfer).