Claim No. 21-7309

Document Checklist

- [x] Copy License/Decree
- [ ] Copy Transfer
- [x] Copy Licensing Field Exam
- [ ] Check if Ownership/Address Change is Required
- [ ] Generate, mail and file "Evidence of Priority" letter
- [ ] Generate Arcview Map

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 21-07309

RECEIVED
SEP - 8 1989
Department of Water Resources
Eastern District Office

Proposed Priority: December 29, 1982 **Maximum Storage Volume:** 30.0 AF

This is to certify, that **SEELEY BROTHERS**
C/O DICK SEELEY
P.O. BOX 654
ASHTON, ID 83420
has applied for a permit to appropriate water from:

WILLOW CREEK tributary of **HENRYS FORK**

and a permit is **APPROVED** for development of water as follows:

BENEFICIAL USE	PERIOD OF USE	RATE OF DIVERSION	ANNUAL VOLUME
IRRIGATION STORAGE	01/01 to 12/31		30.0 AF
IRRIGATION FROM STORAGE	04/01 to 11/01		30.0 AF
	Totals		30.0 AF

LOCATION OF POINT(S) OF DIVERSION: SWSE Sec. 11, Township 09N, Range 42E
FREMONT County

PLACE OF USE: IRRIGATION STORAGE

TWN	RGE	SEC		ACRES		ACRES		ACRES	TOTAL
09N	42E	11	SESW	30	NESE	40	NWSE	40	
			SWSE	40	SESE	40			190
		14	NWNE	40	NENW	40	NWNW	40	
			SWNW	40					160
		15	SENE	40	NESE	30	SESE	20	90

Total number of acres irrigated: 440

PLACE OF USE: IRRIGATION FROM STORAGE, same as IRRIGATION STORAGE use

CONDITIONS/REMARKS:

1. Proof of construction of works and application of water to beneficial use shall be submitted on or before **September 1, 1990.**
2. Subject to all prior water rights.
3. The right to the use of water acquired under this permit shall not give rise to any right or claim against the holder of a senior right based upon the theories of forfeiture, abandonment, adverse possession, waiver, equitable estoppel, estoppel by laches or customary preference.
4. The Director retains jurisdiction of the permit and any license subsequently issued to incorporate the use into a water district, require streamflow augmentation or other action needed to protect prior surface water and groundwater rights.

Form 219
6/92

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

21-07309

A. GENERAL INFORMATION

Permit No. 21-07309

1. Owner: SEELEY BROTHERS % ALVIN SEELEY Phone No. 208 652-3262

Current Address: P.O BOX 654, ASHTON ID 83420

2. Accompanied by: ALVIN SEELEY EXAM DATE: 10-8-1998

Address: — Phone No.

Relationship to Permit Holder: -

3. Source: WILLOW CREEK tributary to HENRYS FORK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 21-00170 & 21-00171

2. Other water rights with the same point of diversion: 21-00170 & 21-00171

C. DIVERSION AND DELIVERY SYSTEM

1. **Point(s) of Diversion:** No Gov Lots at Point of Diversion

Ident No.	Gov't Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
UPPER		SW	SW	SE	11	9N	42E	FREMONT	USGS Quad / On site FSA aerial
Lower		NW	NE	NW	14	9N	42E	FREMONT	USGS Quad / On Site FSA aerial

2. **Place(s) of Use:** No Gov Lots on place of use Indicate Method of Determination

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
9N	42E	11												5	21	4	10	6	56.0
		14		34			23	20	28.3										105.3
		15	2			14									15			16	47.0
																			208.3

21-07309

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

SEE ATTACHED PHOTOS

Scale: 1" = _____.

____ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
RE-DIVERSION		50		Layne	B3JRBM

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. **Measurements:** Upper Reservoir (21-07309) Max depth = 8' Surface area = 7.0ac = 22.4af
Lower Reservoir (21-07210) Max depth = 8' Surface area = 18.2ac = 58.2af
Total Volume = 22.4af + 58.2 = 80.6afa

21-07309

E. NARRATIVE/REMARKS/COMMENTS

Two reservoirs (80.6af) with re-diversion pump to mainline to laterals with sprinklers.

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

21-07309

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Upper Reservoir (21-07309) Max depth = 8', Surface Area = 7.0ac
Vol = (8)(7ac)(0.4) = 22.4af

Lower Reservoir (21-07210) Max depth 8', Surface Area = 18.2ac
Vol = (8)(18.2ac)(0.4) = 58.2af

V_{OL} = 22.4af + 58.2ac
= 80.6af

VOLUME LIMITED BY PERMIT = 30af

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = _____

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation Season) x 1.9835 = _____

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

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From	Period of Use To	Rate of Diversion Q (cfs)	Annual Volume V (afa)
IRRIGATION STORAGE	1/1	12/31		30af
IRRIGATION FROM STORAGE	4/1	11/1		30af
		Totals:		30af

2. Recommended Amendments

___ Change P.D. as reflected above ✓ Add P.D. as reflected above ___ None

___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Keith C Wilson

Field Examiner's Name KEITH C WILSON Date 10-8-1998

Reviewer _____ Date _____

SEAL

21-07309

Water Dist 01

RECORDS

VOLUME IN Gallons X 1000

PUMP DATA SHEET June - ~~Dec~~ 93 Dick Seeley # 13045849

~~Bitterroot Water Ltd~~, 1304 Cabo.

DATE 1993	IN-LINE METER READING RATE (cfs)	VOLUME ~~(AF)~~	POWER METER READING DEMAND KW (HOURS)	VOLUME DIVERTED TO DATE (AF)
	Carry over	830071 gal	Different	
6-30-93				0
7-28-93		846712 gal	= 16641 gal =	5.1 A/F
8-26-93		856305 gal	= 26234 gal =	80.4 A/F
10-14-93		859444 gal	= 29373 gal =	90.1 A/F
	1994			
6-23-94	26338 Dif	885782 gal =	36162 KW. hrs.	80.1 A/F (right a
on storage 7.5.94				
7-27-94	65744 Diff	925188 gal =	40372 KWhrs	201. A/F
8-30-94	79357 Diff	938801 gal =	91772 K/w hrs.	243.5 A/F
10-10-94	83664 Diff	943108 gal =	93872 K/w hrs	256.7 A/F
		(All Dick)	177 storage	used
	1995			
7-26-95	26716 Diff	969824 =	28636 K/W Hrs.	81.9 A/F
8-29-95	46273 Diff	989381 =	29204 K/W hrs.	141.9 A/F
10-11-95	SAME	989381	29204 K/W hrs	141.9 A/F
		(1061 9 Diff)		
	1996			
6-27-96		000553 gal =		16.9 A/F
7-27-96	32791000	032238 gal =	29699 K/W	100.6 AF
8-29-96		048084 gal =		180.1 A/F
10-9-96		049276 gal =	35038 K/W	183.2 A/F
	1997			
6-30-97		049276 gal	(Just turning ON)	-0-
7-28-97	used - 30667	079943 gal =	30028 K/W	24.5 A/F
8-28-97		104818 gal =	30236 K/W	170.4 A/F
10-20-97		104868 gal =	30236 K/W	170.6 A/F

(Gallons X 1000)

Phone 652-3262

21-07309

THEORETICAL PUMP FLOW CALCULATIONS

Formula:

$$Q_{cfs} = [(Hp)(8.814)(Eff)] \div [Lift + (psi \times 2.308)]$$

Hp = Horsepower = 50
Eff = Efficiency = 70% (Usually 70%)
Lift: (Static Level + Assumed Draw down)
Static Water Level = _____ ft.
Assumed Draw down = + _____ ft.
Lift = 4

OR

Measured Dynamic Water Level = 4 ft.

psi = Operating Pressure = 65 psi

$Q_{cfs} = [\ \underset{Hp}{50} \times 8.814 \times \underset{eff}{0.70}\ ] \div [\ \underset{Lift}{4} + (\ \underset{psi}{65} \times 2.308)$

$Q_{cfs} = [\ 308.49\ ] \div [\ 154.02\ ]$

$Q_{cfs} = 2.00$ cfs

PERMIT NO. 21-07309

Water District 01 Records

06-27-1996 553,000 gal

07-27-1996 32,238,000 gal > 31,685,000 gal w/in 30 days

Determine Flow Rate

$31{,}685{,}000\ \text{gal} / 30\ \text{days} = 1{,}056{,}166.667\ \text{gal/day}$

#1 Assume 20 hr/day operation

$1{,}056{,}116{,}667\ \text{gal/day} \left(\frac{\text{day}}{20\ \text{hrs}}\right)\left(\frac{\text{hr}}{60\ \text{m}}\right) = 880.138\ \text{gpm}$

$= 1.96\ \text{cfs}$

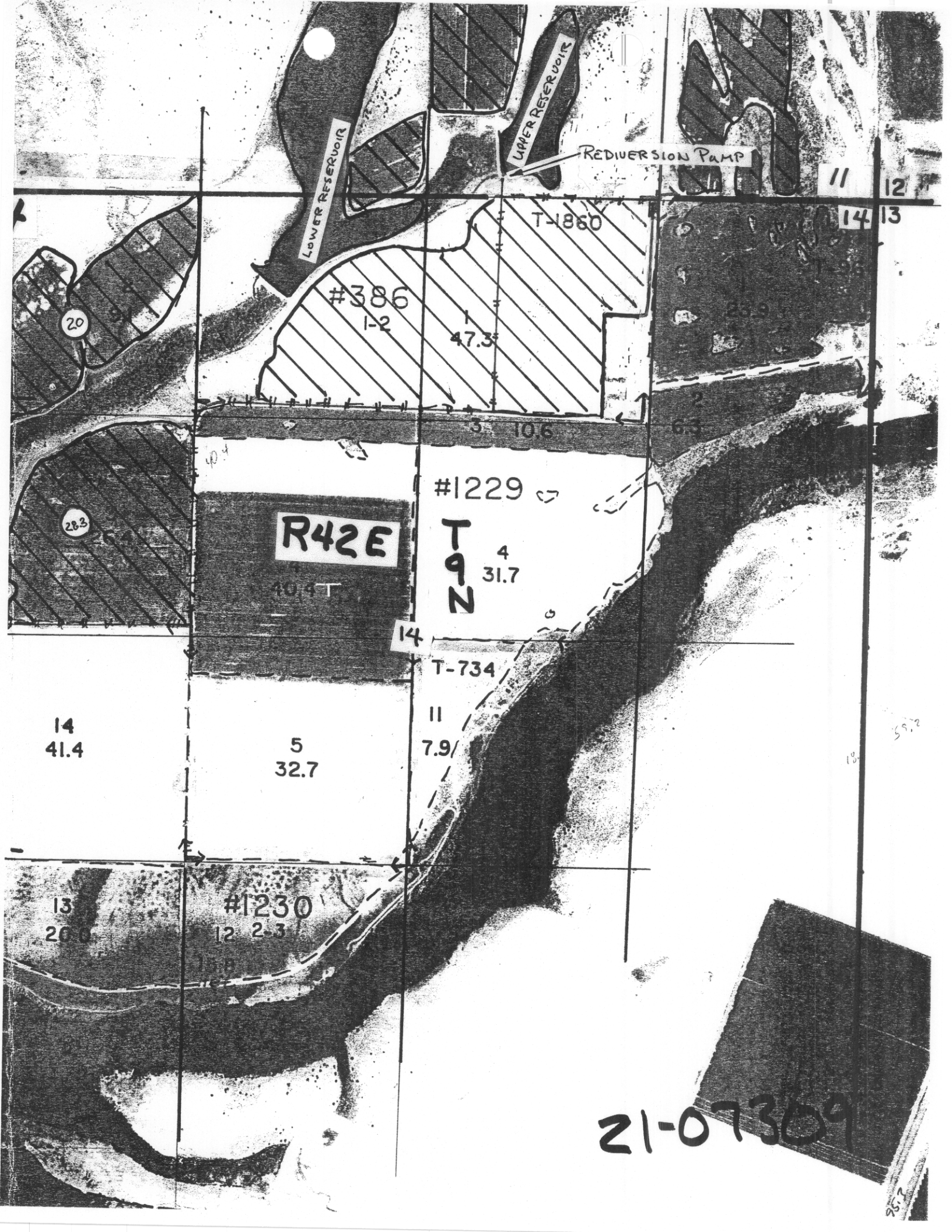
#2 Assume 19 hr/day operation

$1{,}056{,}116{,}667\ \text{gal/day} \left(\frac{\text{day}}{19\ \text{hr}}\right)\left(\frac{\text{hr}}{60\ \text{m}}\right) = 926.46\ \text{gpm}$

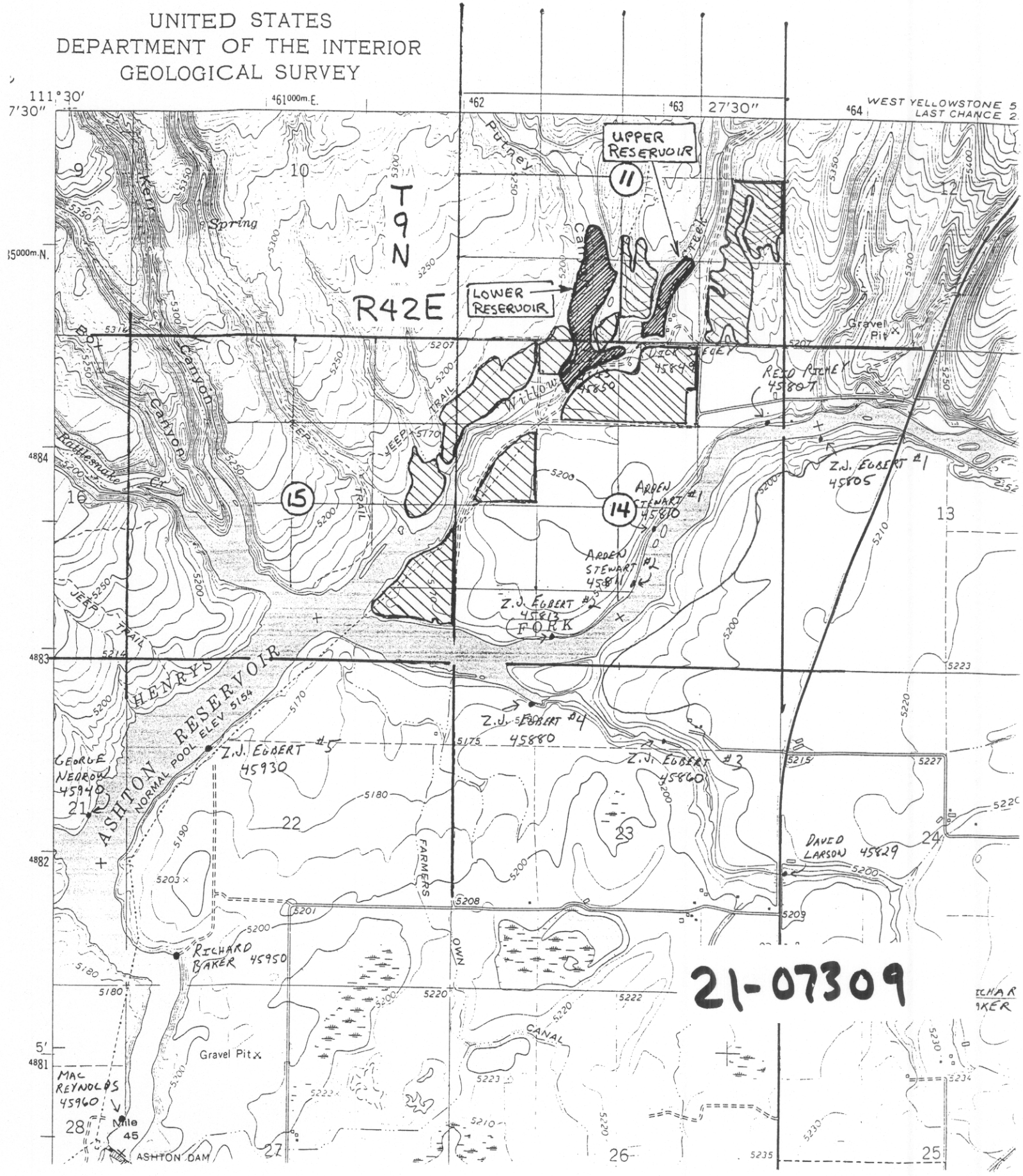
$= 2.06\ \text{cfs}$

PUMP THEORETICAL Q = 2.00 cfs WHICH IS CONSISTENT WITH THE CALCULATIONS ABOVE.

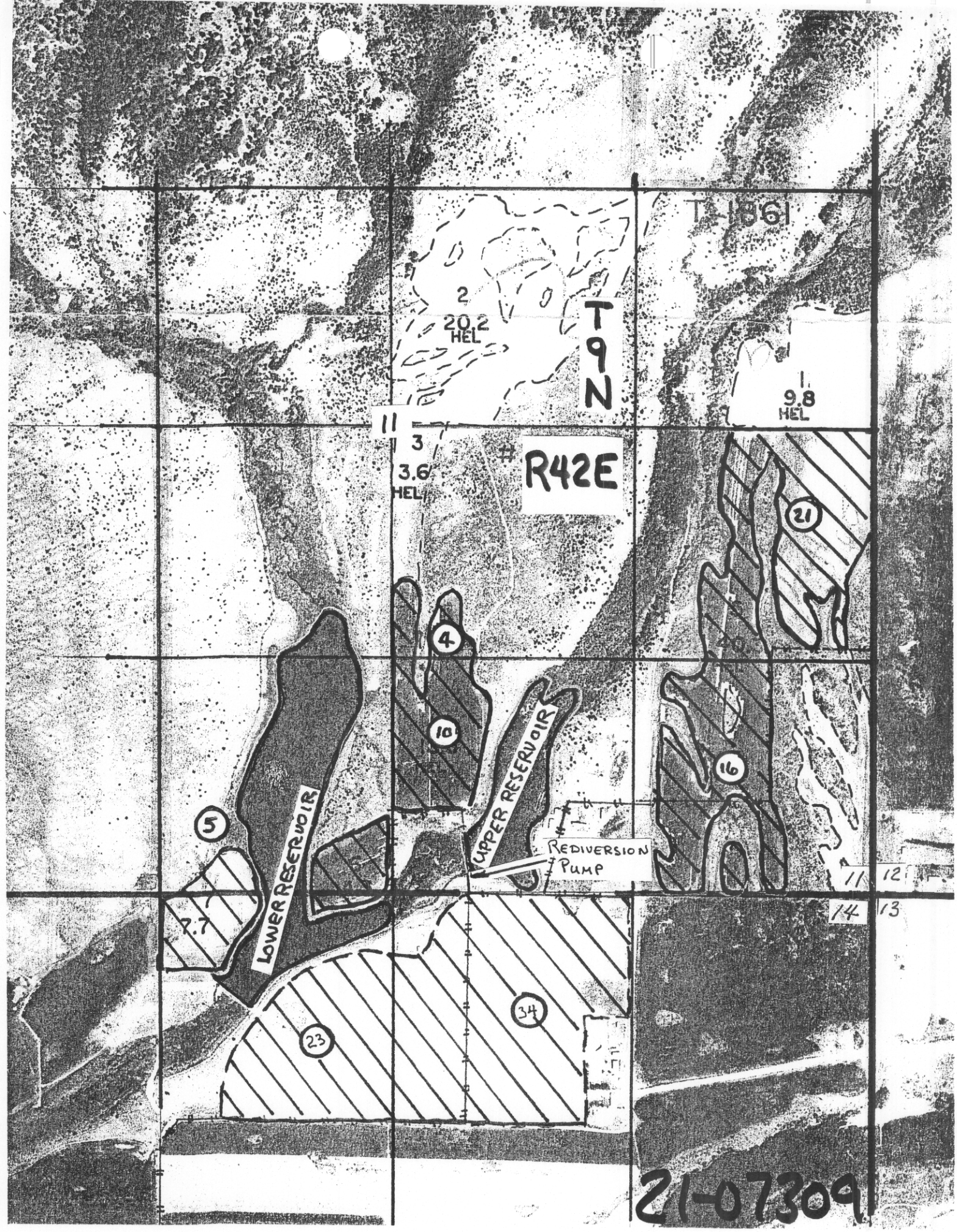
PERMIT # 21-07309

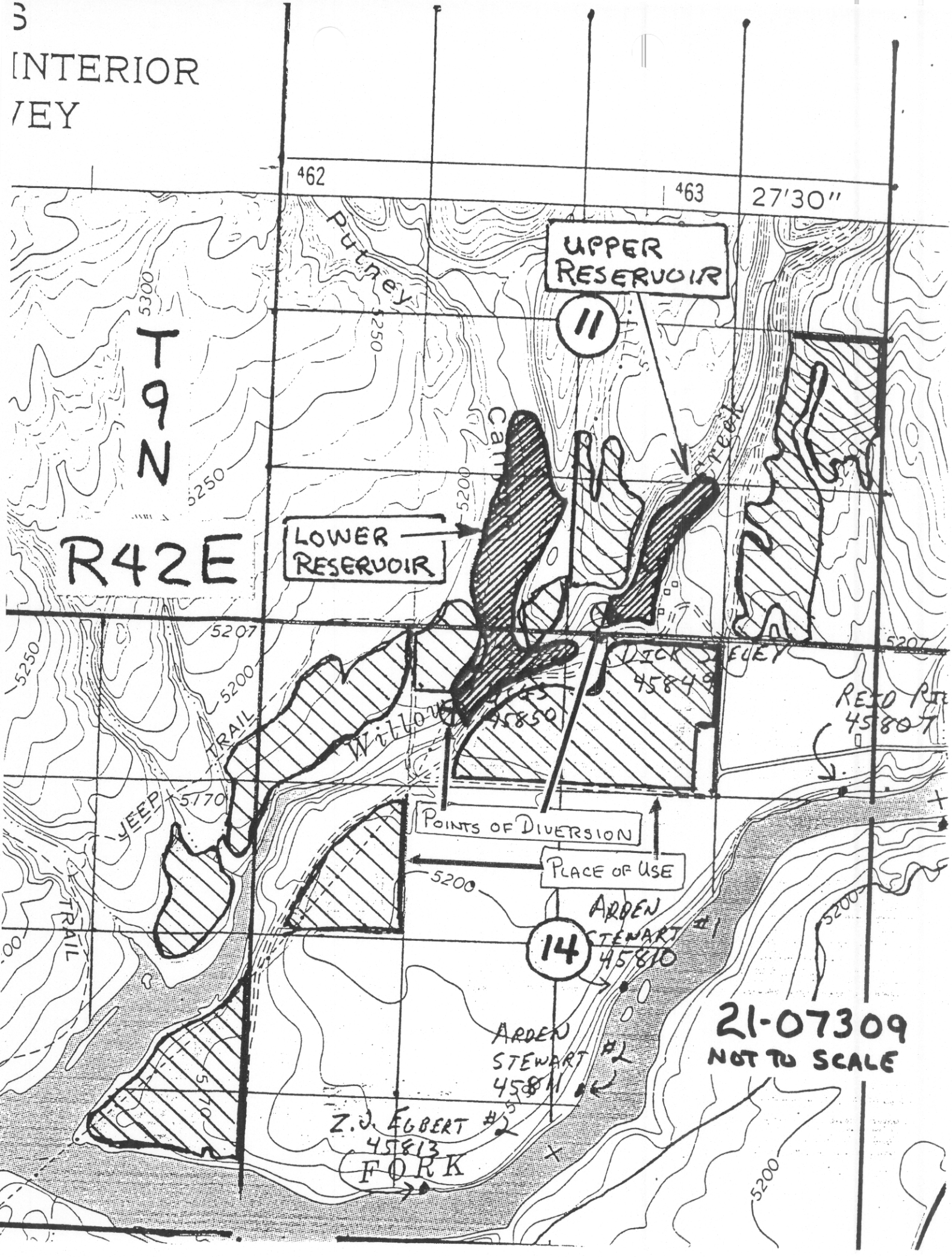

LOWER RESERVOIR
UPPER RESERVOIR
REDIVERSION PUMP
T-1860
#386
1-2
47.3
20
9
11
12
14
13
25.9
2
6.3
3
10.6
#1229
R42E
T9N
4
31.7
40.4
283
14
T-734
11
7.9
14
41.4
5
32.7
13
20.6
#1230
12 2-3
21-07309

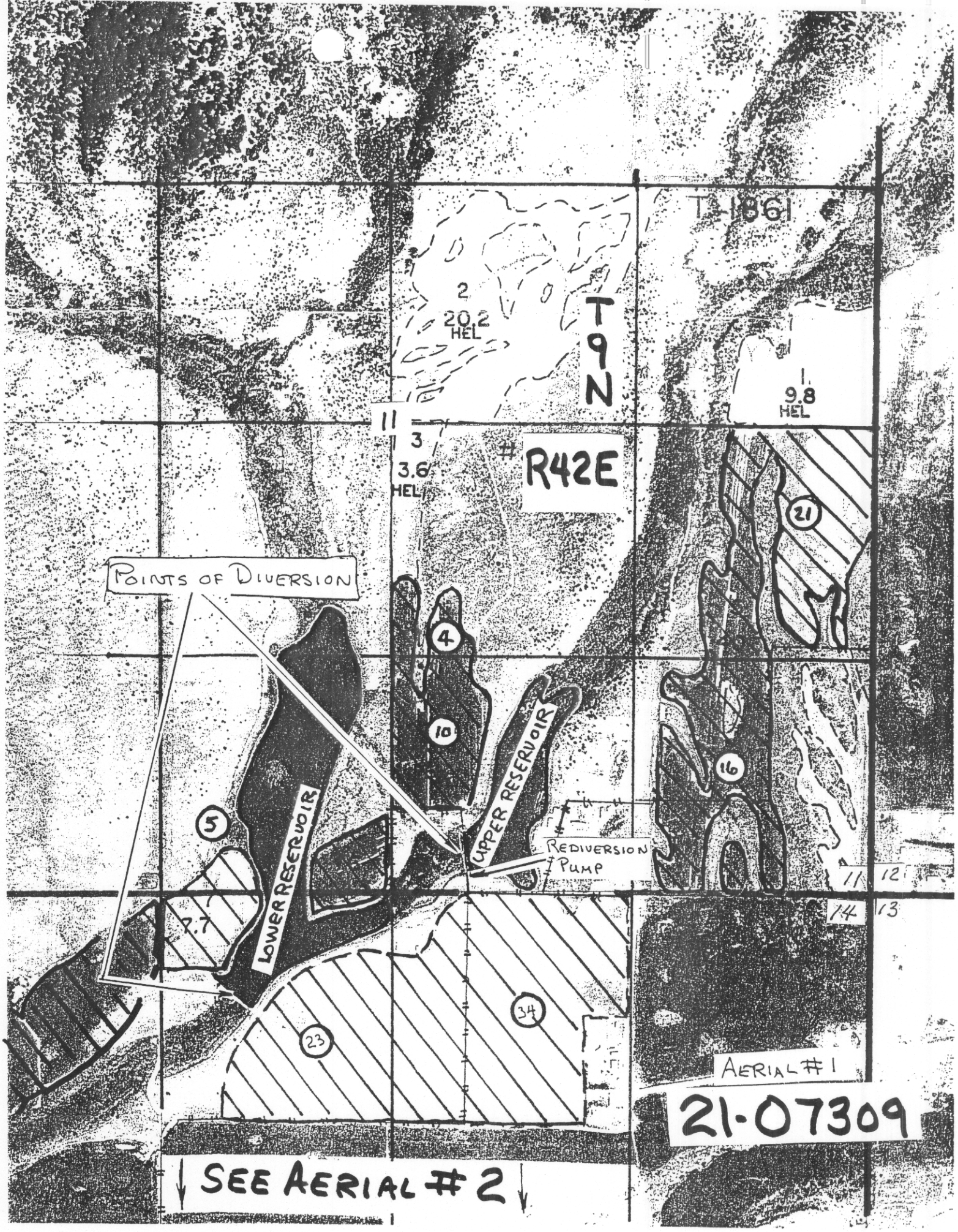
15
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16
W
I-869


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
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7'30"
461000m.E.
462
463
27'30"
464
WEST YELLOWSTONE 5
LAST CHANCE 2
T9N
R42E
UPPER RESERVOIR
LOWER RESERVOIR
Putney
Kerr
Spring
Box Canyon
Rattlesnake Cr.
Canyon
Creek
Willow
TRAIL
JEEP
Gravel Pit
REID RITCHEY 45807
Z.J. EGBERT #1 45805
ARDEN STEWART #1 45810
ARDEN STEWART #2 45811
Z.J. EGBERT #3 45813
FORK
HENRYS
ASHTON RESERVOIR
NORMAL POOL ELEV 5154
Z.J. EGBERT #4 45880
Z.J. EGBERT #5 45930
Z.J. EGBERT #3 45860
GEORGE NEDROW 45940
DAVID LARSON 45629
FARMERS
OWN
RICHARD BAKER 45950
CANAL
Gravel Pit
MAC REYNOLDS 45960
Mile 45
ASHTON DAM
4884
4883
4882
4881
5'
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21-07309


T-1861
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HEL
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16
5
LOWER RESERVOIR
UPPER RESERVOIR
REDIVERSION
PUMP
2.7
11
12
14
13
23
34
21-07309


INTERIOR
462
463
27'30"
UPPER RESERVOIR
11
Putney
T9N
R42E
LOWER RESERVOIR
Canal
Street
5300
5250
5200
5207
5170
TRAIL
JEEP
Willow
4585
4584
RETD RT
4580
POINTS OF DIVERSION
PLACE OF USE
14
ARDEN STEWART #1
4581
ARDEN STEWART #2
4581
Z.J. EGBERT #2
4581
FORK
21-07309
NOT TO SCALE



AERIAL #1

21-07309

State of Idaho
Department of Water Resources

Permit To Appropriate Water

NO. 21-07309

CONDITIONS/REMARKS:

5. Use of water under this permit is subject to control by the watermaster of State Water District No. 01.
6. The rate of diversion of water for irrigation under this permit and all other water rights on the same land shall not exceed 0.02 cubic feet per second for each acre of land.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the seal and signature of the Director, affixed at Boise, this 1st day of September, 1989.

for J. Glen Saxton
R. Keith Higginson, Director