

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE STATE OF IDAHO,
IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM.

CIVIL CASE NUMBER: 39576

Ident. Number: A36-04113
Date Received: 4/11/1988
Receipt No: S000049
Received By: _____

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: J. LOWELL MAUGHAN 208-532-4349
Address: RT. 1 BOX 1482
PAUL, ID 83347

AND/OR

Name: WAYNE MAUGHAN
Address: PAUL, ID 83347

2. Date of Priority: MAR 15, 1960

3. Source: GROUNDWATER Trib. to:

4. Point of Diversion:

Township	Range	Section	1/4 of	1/4 of	1/4 of	Lot	County
07S	23E	21	SE	SE			LINCOLN

5. Description of diverting works:

22" X 372' WELL, 200 HP MOTOR & PUMP, 14 LINES W/4.3 GPM NOZZLES.

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	03/15	11/15	1.520		

7. Total Quantity Appropriated is:

1.520 C.F.S. (and/or) 304.00 A.F.A.

8. Total consumptive use is 228.0 Acre Feet Per Annum.

9. Non-irrigation uses:

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10. Place of Use:

Township	Range	Section	1/4 of	1/4	Lot	Use	Acres
07S	23E	21	NE	NE		IRR	34.0
			NW	NE		IRR	38.5
			NW	SE		IRR	3.5

Section Acres 76.0

Total Acres 76.0

11. Place of use in counties: LINCOLN

12. Do you own the property listed above as place of use? YES

13. Other Water Rights Used:
NONE

14. Remarks:
LIC. 36-2263 COVERS ADJACENT LANDS ON THIS FARM USING SAME
DIVERSION SYSTEM.

15. Basis of Claim: STATUTORY CLAIM

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16. Signature(s)

(a.) By signing below, I/We acknowledge that I/We have received, read and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not _____ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments: _____

For Individuals:

I/We do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant(s): _____ Date: _____
_____ Date: _____

State of Idaho)
County of _____) SS.

Subscribed and sworn (or affirmed) before me this _____ day
of _____ 19 _____
Notary Public

Seal

Residing at _____
My Commission Expires _____

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IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE
STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

IN RE THE GENERAL ADJUDICATION
OF RIGHTS TO THE USE OF WATER FROM
THE SNAKE RIVER BASIN WATER SYSTEM

CIVIL CASE NUMBER: 39356

Ident. Number A36-04/13Date Received 4-4-88Receipt Number 5000049

NOTICE OF CLAIM
TO A
WATER RIGHT
ACQUIRED UNDER STATE LAW

Please type or print clearly

1. Name of Claimant (s) J. Lowell Maughan &/or Wayne Maughan Phone (208) 532-4349
Mailing Address Rt. 1 Box 1482, Paul, ID Zip 83347

2. Date of Priority (Only one (1) per claim) March 15, 1960

3. Source of water supply (a) Groundwater
which is tributary to (b) _____

4. a. Location of existing point of diversion is: Township 7S Range 23E Section 21,
1/4 of SE 1/4 of SE 1/4, Govt. Lot, B.M., County of Lincoln

Additional points of diversion if any: _____

b. If instream flow, beginning point of claimed instream flow is:

Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of _____ 1/4,

Govt. Lot _____ B.M., County of _____

ending point is: Township _____ Range _____ Section _____, _____ 1/4 of _____ 1/4 of

_____ 1/4, Govt. Lot _____ B.M., County of _____

5. Description of existing diversion works (Dams, Reservoirs, Ditches, Wells, Pumps, Pipelines, Headgates, Etc),
including the dates of any changes or enlargements in use, the dimensions of the diversion works as
constructed and as enlarged and the depth of each well. 22" x 372' deep well, 200 hp pump & motor,
12" mainline to 12 1/4-mile wheel lines with 4.3 gpm flow-control nozzles. Two
additional handlines are sometimes used.

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6. Water is claimed for the following purposes:

(both dates are inclusive)

(cfs)

(acre feet)

For Irrigation purposes from Mar 15 to Nov 15 amount 1.52 or -1.52-
For _____ purposes from _____ to _____ amount _____ or _____
For _____ purposes from _____ to _____ amount _____ or _____
For _____ purposes from _____ to _____ amount _____ or _____

7. Total quantity claimed (a) -1.52- 1.52 (cfs) and/or (b) _____ (acre feet)

8. Total consumptive use claimed is 228 acre feet per annum.

9. Non-irrigation uses; describe fully (eg. Domestic: Give number of households served; Stockwater: Type and number of livestock Etc.) _____

10. Description of place of use:

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

b. If water is used for other purposes, place a symbol of use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RNG	SEC	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	
7S	23E	21	34	38.5												3.5			76

Total number of acres irrigated 76

11. In which county (ies) are lands listed above as place of use located? Lincoln

12. Do you own the property listed above as place of use? Yes X No _____

If your answer is No, describe in Remarks below the authority you have to claim this water right.

13. Describe any other water rights used at the same place and for the same purposes as described above.

Lic. 36-2263 on adjacent lands or None (X)

14. Remarks:

Acreage has been reduced due to roads not being irrigated.

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Last Name Maughan Ident No. A36-04113

Copies: White -State, Yellow-Claimant

Scale: 2 inches equals 1 mile

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Copies: White-State, Yellow-Claimant

15. Basis of Claim (check one) Beneficial Use ☒ Posted Notice _____ License _____ Permit _____
Decree _____
If applicable provide IDWR Water Right Number 36-4113
Court _____ Case Number _____ Decree Date _____
Plaintiff vs Defendant _____

16. Signature (s)

(a.) By signing below, I/We acknowledge that I/We have received, read, and understand the form entitled "How you will receive notice in the Snake River Basin Adjudication." (b.) I/We do _____ do not ☒ wish to receive and pay a small annual fee for monthly copies of the docket sheet.

Number of attachments _____

For Individuals: I do solemnly swear or affirm that the statements contained in the foregoing document are true and correct.

Signature of Claimant (s) Wayne Maughan Date 4 April 1988
J. Lowell Maughan Date 4 April 1988

For Organizations: I do solemnly swear or affirm that I am _____

Title _____
of _____, that I have signed the foregoing
Organization

document in the space below as _____ of _____
Title Organization

and that the statements contained in the foregoing document are true and correct.

Signature of Authorized Agent _____

Title and Organization _____ Date _____

State of Idaho/or _____)
County of Twin Falls) SS.

Subscribed and sworn (or affirmed) before me this 4th day of April 19 88

SEAL

Notary Public Mary A. Baldwin

Residing at Cooding, ID

My Commission Expires 10/16/1992

Please Print Name

17. Notice of Appearance:

Notice is hereby given that I, _____ will be acting as attorney at law on behalf of the claimant signing above, and that all notices required by law to be mailed by the director to the claimant signing above should be mailed to me at the address listed below.

Signature _____

Address _____

Date _____

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Last Name Maughan Ident. Number A36-04114³

Copies White-State, Yellow-Claimant



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 222 Shoshone St. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 3, 1990

A36-04113
J. LOWELL MAUGHAN
RT. 1 BOX 1492

PAUL

ID 88847

Dear Claimant(s):

In the past you submitted the claim(s) identified with the number(s) shown above your name and address at the top of this letter. You indicated on the claim(s) that the basis for establishing the water right(s) was Beneficial Use, meaning the water right was not previously confirmed by a decree, water right license or permit before you filed the claim(s).

The purpose of this letter is to request evidence supporting the priority date(s) you have claimed. The enclosed pamphlet describes what this means. While I encourage you to read all of the pamphlet, I direct your attention to the right-hand half of the pamphlet after you open it. There you will find two sections: What Kind of Evidence is Required, and Some Examples of Documents which May Be Evidence of the Priority Date. These sections tell you what must be submitted. The other sections tell you why the evidence is necessary and what the consequences of not submitting the evidence could be.

Please submit the requested evidence by November 1, 1990. When returning to the Department please reference all documents with the claim(s) identification number(s) listed above.

If you have questions not addressed by the pamphlet or need other technical assistance, please feel free to contact this office. For advice on your water right(s), please contact your attorney.

Sincerely,

Allen Merritt, P.E.
Water Rights Supervisor

Enclosure

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RECEIVED

NOV 26 1990

Department of Water Resources
Southern Region Office

Route 1, Box 1482
Paul, Idaho 83347
28 October 1990

Idaho Department of Water Resources
222 Shoshone St. East
Twin Falls, Idaho 83301

Dear Mr. Allen Merritt, P.E.

Re: Water Right # A36-04113

Be it known that the land covered by the above listed water right has been continually farmed and irrigated since 1961. This land is located in Township 7 South, Range 23 East and Section 21. If you need further information concerning this matter please feel free to contact me.

Mack W. Neibaur

Mack Neibaur

Subscribed and sworn to before me this 28th day of October 1990.

Renew N. Wadley

Residing at *Lincoln County*

My commission expires *11/20/93*

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ATTRIBUTES OF B36-POD.SHP (75) 5/29/97

AJ0749NP
No. R36-04113

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM PROFILE REPORT
(REGIONAL)

DATE: 06/13/97
PAGE: 1

OWNER CODE	NAME & ADDRESS	PRIORITY DATE	WATER USE	USE PERIOD FROM TO	DIVERSION RATE	DIVERSION VOLUME
C	WAYNE MAUGHAN PAUL ID 83347 (208) 532-4349	03/15/1961	IRRIGATION	04-01 10-31	1.06 CFS	
					TOTAL DIVERSION:	1.06 CFS

C J LOWELL MAUGHAN
RT 1 BOX 1482
PAUL ID 83347
(208) 532-4349

Water Source: GROUNDWATER

Tributary to:

Stage: BENEFICIAL USE

Point(s) of Diversion:

T07S R23E S21

SESE

LINCOLN County

Place of use Legal Description for: IRRIGATION

				NE				NW				SW				SE						
T	R	S	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	SUM	
07S	23E	21	:	38		38		40		39								39	40	36	38	308.0
																				TOTAL ACRES	308.0	

POU County: LINCOLN

Other Rights: SEE REMARKS

Conditions of Approval:

- C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO
- SECTION 42-1425, IDAHO CODE.

Remarks: QNT USE OF THIS RIGHT WITH RIGHT NO. 36-02263 IS LIMITED TO A
TOTAL COMBINED DIVERSION RATE OF 4.8 CFS. AND A TOTAL ANNUAL
DIVERSION VOLUME OF 1232 AF.

POU1 THIS RIGHT IS LIMITED TO THE IRRIGATION OF 68 ACRES WITHIN
THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
USE OF THIS RIGHT WITH RIGHT NO. 36-02263 IS LIMITED TO THE
IRRIGATION OF A COMBINED TOTAL OF 308 ACRES IN A SINGLE
IRRIGATION SEASON.

EXP THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 36-02263

Dates: Exam Made Date:

Verified Date:

Objection Filed Date:

Misc: Water District Number:

Field Inspection Flag:
Presumption Flag:

Water Right Number - 36-04113

Prefix Translation: WATER RIGHT

Old (D) Number -

+ - - - - Last Name - - - - + + - First Name - - + + - - - - - Address - - - - - +

*** C - CURRENT OWNER ***

MAUGHAN

WAYNE

1 -
2 -
3 -

City- PAUL

State- ID Zip- 83347

Phone - 208-532-4349

MAUGHAN

J LOWELL

1 - RT 1 BOX 1482

2 -
3 -

City- PAUL

State- ID Zip- 83347

Phone - 208-532-4349

+ - - Priority Date - - + + - - Region - - - + + - - Stage - - - + + - - Status - - - +
03/15/1961 ERROR IN REGION J - BENEFICIAL USE+ - - - - Source - - - - - + + - - - - Tributary - - - - - +
GROUNDWATER+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County Diversion Name

07S 23E 21 SE SE (63) LINCOLN

+ - - - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume

01 - IRRIGATION

04/01

10/31

1.060

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
1.060 0.0+ - - - - Place of Use - - - - - +
Twn Rng Sec Tract Lot Acres Code Description County

07S	23E	21	NE NE		38.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	NW NE		38.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SW NE		40.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SE NE		39.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	NE SE		39.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	NW SE		40.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SW SE		36.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SE SE		38.0	01	IRRIGATION	(63) LINCOLN

Total Acres: 308.0

+ - - Diversion Means - 22" X 372' WELL, 200 HP MOTOR & PUMP, 14 LINES W/4.3 GPM NOZZLES.

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - SEE REMARKS

Water right number - 36-04113

Prefix Translation: WATER RIGHT

+ - - - - - Remarks - - - - - +

GEN THIS RIGHT IS LIMITED TO THE IRRIGATION OF 68 ACRES WITHIN THE
(K86) POU1 PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON.
(E01) QNT USE OF THIS RIGHT WITH RIGHT NO. 36-02263 IS LIMITED TO A
(E05) QNT TOTAL COMBINED DIVERSION RATE OF 4.8 CFS, A TOTAL COMBINED
(E11) POU2 ANNUAL DIVERSION VOLUME OF 1232 AF, A TOTAL COMBINED ANNUAL
EXP CONSUMPTIVE USE VOLUME OF 924 AF, AND TO THE IRRIGATION OF A
COMBINED TOTAL OF 308 ACRES IN A SINGLE IRRIGATION SEASON.
THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF
DIVERSION DESCRIBED ABOVE: 36-02263

+ - - - - - Old Water Right Numbers - - - - - +
No Old Water Right Numbers found.

+ - - - - - Conditions of Approval - - - - - +
C05 - RIGHT INCLUDES ACCOMPLISHED CHANGE IN PLACE OF USE PURSUANT TO
- SECTION 42-1425, IDAHO CODE.

+ - - - - Decree Plaintiff - - - + + - - - - Decree Defendant - - - + + - Decree Date - +
00/00/0000

+ - - Audit Fields - 08/05/91 SCHOLER 08/13/91 SCHOLER 07/10/92 CWU-PROD 07/18/92 POST-STD 07/20/92 MERRITT
07/31/92 SCHULTZ 08/28/92 PR-PROD 08/28/92 PR-PROD 11/02/92 CPSHAW 12/05/92 ADT-SHAW
03/29/95 POST-STD

+ - - Certified Numbers & Date Mailed - 257737 08/24/92 257738 08/24/92

+ - - - - - Comments - - - - - +

Date: 08/05/1991 User Id: SCHOLER Subject: REVIEW - BHS
Date: 08/05/1991 User Id: SCHOLER Subject: COPIED FROM REMARKS
LIC. 36-2263 COVERS ADJACENT LANDS ON THIS FARM USING SAME DIVERSION SYSTEM.
Date: 07/20/1992 User Id: MERRITT Subject: ACRES REDUCED TO 68
308-240= 68.
Date: 07/31/1992 User Id: SCHULTZ Subject: ADDED CONDITION C05
CLAIM VERIFIED 7/20/92. DID NOT REVERIFY ANY PART OF CLAIM.

+ - - - - - Adjudication Rights Dates and Flags Area - - - - - +

Court Report Filing	- 11/02/1992	Field Inspection Made	- 00/00/0000	Civil Case Number	- 39576
Objection Filed Date	- 00/00/0000	Field Inspection Flag	-	Old Case Number	-
Response Filed Date	- 00/00/0000	Verified Date	- 00/00/0000	Old Judicial District	-
Claim Received Date	- 04/11/1988	Last Amended Date	- 00/00/0000	Temporary Right	- P
Proof Due Date	- 00/00/0000	Proof Made Date	- 00/00/0000	Water District	-
Licensed Date	- 00/00/0000	Receipt Number	- S000049	Federal/State Indicator	- S
		POU Ownership Flag	- Y	Presumption Flag	-
		Name Connector	- AND/OR	Notice of Error Flag	-

R PROOF



CVR



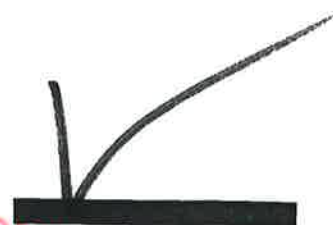
MAPS



PHOTOS



MISC



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IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORT
(REGIONAL)

Water Right Number - R36-04113

Prefix Translation: RESEARCH

Old (D) Number -

+ - - - - Last Name - - - - + + - First Name - - + + - - - - - Address - - - - - +

*** C - CURRENT OWNER ***
MAUGHAN

WAYNE

1 -
2 -
3 -

City- PAUL

State- ID Zip- 83347

Phone - 208-532-4349

1 - RT. 1 BOX 1482

2 -
3 -

City- PAUL

State- ID Zip- 83347

Phone - 208-532-4349

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - - +
03/15/1961 ERROR IN REGION J - BENEFICIAL USE

+ - - - - Source - - - - - + + - - - - - Tributary - - - - - +
GROUNDWATER

Twn	Rng	Sec	Tract	Lot	Rflg	County	Point of Diversion
07S	23E	21	SE SE			(63) LINCOLN	

Code	Description	Period From	Period To	Water Use	Diversion Rate	Diversion Volume
01 - IRRIGATION		03/15	11/15		1.180	1.06

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
1.180 0.0

Twn	Rng	Sec	Tract	Lot	Acres	Code	Description	County
07S	23E	21	NE NE		38.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	NW NE		38.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SW NE		40.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SE NE		39.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	NE SE		39.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	NW SE		40.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SW SE		36.0	01	IRRIGATION	(63) LINCOLN
07S	23E	21	SE SE		38.0	01	IRRIGATION	(63) LINCOLN

Total Acres: 308.0

+ - - Diversion Means - 22" X 372' WELL, 200 HP MOTOR & PUMP, 14 LINES W/4.3 GPM NOZZLES.

+ - - Non-Irrigation Use -

308
- 240
Allow 68 200,

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORT
(REGIONAL)

Water right number - R36-04113

Prefix Translation: RESEARCH

+ - - Other Rights for Same Use - SEE REMARKS

68

----- Remarks -----

THIS RIGHT IS LIMITED TO THE IRRIGATION OF 76 ACRES WITHIN THE PLACE OF USE DESCRIBED ABOVE IN A SINGLE IRRIGATION SEASON. USE OF THIS RIGHT WITH RIGHT NO. 36-02263 IS LIMITED TO A TOTAL COMBINED DIVERSION RATE OF 4.8 CFS, A TOTAL COMBINED ANNUAL DIVERSION VOLUME OF 1232 AF, A TOTAL COMBINED ANNUAL CONSUMPTIVE USE VOLUME OF 924 AF, AND TO THE IRRIGATION OF A COMBINED TOTAL OF 308 ACRES IN A SINGLE IRRIGATION SEASON. THE FOLLOWING RIGHTS ARE ALSO DIVERTED THROUGH POINT OF DIVERSION DESCRIBED ABOVE: 36-2263

68
308 x 4.8 = 1497.6 cfs

AP 7/20/92

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----- Old Water Right Numbers -----

No Old Water Right Numbers Found

----- Conditions of Approval -----

No Conditions of Approval found.

----- Decree Plaintiff ----- +

----- Decree Defendant ----- +

----- Decree Date ----- +

00/00/0000

----- Comments -----

No Comments Found

----- Audit Fields ----- +

00/00/00

----- Adjudication Rights Dates and Flags Area ----- +

Court Report Filing	- 00/00/0000	Field Inspection Made	- 00/00/0000	Civil Case Number	- 39576
Objection Filed Date	- 00/00/0000	Field Inspection Flag	-	Old Case Number	-
Response Filed Date	- 00/00/0000	Verified Date	- 08/13/1991	Old Judicial District	-
Claim Received Date	- 04/11/1988	Last Amended Date	- 00/00/0000	Temporary Right	- P
		Receipt Number	- S000049	Water District	-
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- AND/OR	Presumption Flag	-

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:24:42
08/06/91

PAGE: 12
QUICKLOOK INFORMATION

CLAIM NUMBER: A36-04113

WR ELEMENT	FIELD EXAM Y/N	CORRESPONDENCE SENT/RECEIVED BY WHOM/DATE	FIELD EXAM BY WHOM/DATE	CHANGE CLAIM Y/N	VERIFIED BY CODE	COMPLETED REVIEW WHOM/DATE	COMPLETED DATA ENTRY WHOM/DATE	VERIFIED DATE WHOM/DATE
PRIORITY DATE	Y ✓		BHS 4-14-91 2-12-91	Y	6	BHS 7-12-91 8-6-91	BHS 8-5-91	BHS 8-13-91
POINT OF DIV	Y ✓			N	6			
SOURCE	N ✓			N	6			
PLACE OF USE	Y ✓			N* P.R.O.M.	2,4,5,6			
DIV. AMOUNT CFS/VOLUME	Y ✓			Y	6			
CONSUMPTIVE USE	- ✓			N	6			
PURPOSES	N ✓			N	6			
PERIOD OF USE	N ✓			N	6			
BASIS OF CLAIM	Y ✓			N	6			
REMARKS	Y ✓			N	6			

"VERIFIED BY" CODES

TOPO MAP/ORTHO-PQ = 1
ASCS MAP = 2
WATERMASTER RECORDS = 3
NAPP PHOTOS = 4
FIELD EXAM = 5
OTHER (SEE REMARKS) = 6

THESE CODES ARE USED TO INDICATE HOW THE FIELD EXAMINER VERIFIED THE INFORMATION
USED FOR THIS FIELD EXAMINATION. INDICATED ARE ALL CODES WHICH APPLY.

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

08:24:42
08/06/91

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A36-04113

LAST: MAUGHAN
ADDRESS: RT. 1 BOX 1482
CITY: PAUL
PHONE NUMBER: 208-532-4349

OWNER CODE: C

FIRST: J. LOWELL ✓

STATE: ID ZIP: 83347

LAST: MAUGHAN
ADDRESS:
CITY: PAUL
PHONE NUMBER: 208-000-0000

FIRST: WAYNE ✓

STATE: ID ZIP: 83347

OWNER CODE: C

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

DATABASE
Y

FIELD
EXAMINER

CLAIM REMARKS: LIC. 36-2263 COVERS ADJACENT LANDS ON THIS FARM USING SAME
DIVERSION SYSTEM.

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CONTACT PERSON: _____

PHONE NUMBER: (____) ____-____

DATE OF FIELD EXAM: ____/____/____

APPOINTMENT MADE: Y(____) N(____)

TIME: ____:____ A(____) P(____)

ACCOMPANIED BY: _____

PHONE NUMBER: (____) ____-____

RELATIONSHIP TO CLAIMANT: _____

DIRECTIONS TO PROPERTY / REMARKS:

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A. AJ CLAIM: # A36-04113 PRIORITY DATE: 03-15-1960 STAGE: S

B. WR RECORD: # 36-04113 PRIORITY DATE: 03-15-1960 STAGE: S

C. FIELD EXAM REQUIRED?

DUE TO PRIORITY DATE DISCREPANCY? (Y/N)

DATABASE
N

FIELD
EXAMINER

ARE THERE OBVIOUS REASONS TO QUESTION THE PRIORITY DATE CLAIMED? Y() N()
IF YES EXPLAIN.

REMARKS:

EVIDENCE OF USE AFFIDAVIT STATES 1961

RECOMMEND 3-15-~~60~~ - I DISCUSSED THIS WITH WAYNE
AND HE SAID THAT IT IS OK W/ HIM.

=====

RECOMMENDED PRIORITY DATE:

~~03-15-1960~~

3-15-1961

REVIEWED BY

BHS

DATE

8-6-91

=====

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A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A36-04113	07S	23E	21		SE	SE		LINCOLN

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A36-02263 R36-02263

WR RECORDS IN SAME 40 ACRE TRACT
36-02263

SOURCE: GROUNDWATER

TRIB:

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
36-04113	07S	23E	21		SE	SE		LINCOLN

OTHER WR RECORDS WITH SAME WR POD

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX
A36-02263 R36-02263

SOURCE: GROUNDWATER

TRIB:

C. FIELD EXAM REQUIRED?

DUE TO POD DISCREPANCY? (Y/N)
DUE TO SOURCE DISCREPANCY? (Y/N)

DATABASE

Y
N

FIELD
EXAMINER

BWS

REMARKS:

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RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	COUNTY
<u>7S</u>	<u>23E</u>	<u>21</u>	—	<u>SE</u>	<u>SE</u>	—	<u>LINCOLN</u>
—	—	—	—	—	—	—	—

SOURCE: GROUNDWATER

TRIB:

REVIEWED BY:

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DATE:

8-6-91

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A. ROOT WATER RIGHT NUMBERS: A36-04113
R36-04113

B. POU LISTING

TWP	RNG	SEC	1/4	1/4	LOT	NAME	AJ #/ACRES	WR #/ACRES	LANDSAT DATA	FIELD EXAM.	RECOMM. ACRES
07S	23E	21	NW	NE		MAUGHAN, J. LOWELL	A36-04113 /38.5	36-04113 /40.0	39.0		
			NW	NE		MAUGHAN, J. LOWELL	A36-02263 /38.0	- /			
			NW	NE		MAUGHAN, WAYNE	R36-02263 /38.0	- /			
			NW	NE		MAUGHAN, WAYNE	R36-04113 /38.0	- /			
07S	23E	21	NE	NE		MAUGHAN, J. LOWELL	A36-04113 /34.0	36-04113 /36.0	41.0		
			NE	NE		MAUGHAN, WAYNE	R36-02263 /38.0	36-02263 / 4.0			
			NE	NE		MAUGHAN, WAYNE	R36-04113 /38.0	- /			
			NE	NE		MAUGHAN, J. LOWELL	A36-02263 /38.0	- /			
07S	23E	21	NW	SE		MAUGHAN, J. LOWELL	A36-04113 / 3.5	36-04113 / 4.0	38.0		
			NW	SE		MAUGHAN, J. LOWELL	A36-02263 /40.0	36-02263 /36.0			
			NW	SE		MAUGHAN, WAYNE	R36-02263 /40.0	- /			
			NW	SE		MAUGHAN, WAYNE	R36-04113 /40.0	- /			
TOTAL ACRES							A36-04113	76.00	80.00	118.00	

ARE IRRIGATED ACRES FOUND IN TRACTS OTHER THAN INDICATED ABOVE, Y() N()
IF YES SEE ATTACHED SHEET:

C. FIELD EXAM REQUIRED?

DUE TO POU DISCREPANCY? (Y/N)

DATABASE FIELD
Y EXAMINER

PRESUMPTION FLAG:

REMARKS:

PERMISSABLE PLACE OF USE GIVEN - INCLUDED W/ 36-02263

RECOMMENDATIONS:

TOTAL ACRES: 76

REVIEWED BY: BHS

DATE: 8-6-91

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76
P.P.O.U.

A. AJ CLAIMED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
A36-04113 IRRIGATION	FROM 03-15 TO 11-15 ✓	1.520 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED		1.520 CFS 304.00 AF/A

B. WR RECORDED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
36-04113 <u>IRRIGATION</u>	FROM 03-15 TO 11-15 ✓	1.600 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED		1.600 CFS

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

DUE TO WATER-USE DISCREPANCY? (Y/N)
DUE TO DIVERSION RATE DISCREPANCY? (Y/N)
DUE TO PERIOD FROM/TO DISCREPANCY? (Y/N)

DATABASE	FIELD EXAMINER
N	
<u>Y</u>	<u>BHS</u>
N	

DIVERSION RATE CALCULATED FOR THIS W.R. =
4.8 CFS (LICENSED DIV RATE 36-02263)
308 AC - (TOTAL IRR. ACRES)
= .01558 CFS/AC X 76 AC = 1.18 CFS

D. PERIOD OF USE:

RECOMMEND AS CLAIMED?

Y(✓) N()

RECOMMEND TO WR STANDARDS OR OTHER?

Y(✓) N() Explain in remarks, below.

REMARKS:

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A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y(☒) N(☐)

AJ TOTAL CLAIMED DIVERSION RATE: 1.520 CFS
WR ROOT RIGHT TOTAL DIVERSION RATE: 1.600 CFS

*** IF NO or IF STATUTORY CLAIM or BENEFICIAL USE then flow measurement required. ***
** If an amount smaller than the original diversion rate is **
** claimed and an exam is NOT required, explain in remarks. **

FLOW MEASUREMENT REQUIRED?

DUE TO STAGE OR DIVERSION RATE DISCREPANCY? (Y/N)

FIELD
DATABASE EXAMINER
~~Y~~ N BHS

PERMISSABLE PLACE OF USE GIVEN.
DIV. RATE FOR THIS CLAIM = 1.18 CFS

B.

FLOW MEASUREMENT

MEASUREMENT METHOD _____, SEE ATTACHED CALCULATIONS.

C. ARE OTHER WATER RIGHTS USED? Y(☐) N(☐) IF YES COMPLETE OVERLAP REVIEW.

OTHER RIGHTS LISTED IN CLAIM: NONE

LIST ALL RIGHTS WITH A SAME POU AND IRRIGATION USAGE:

CLAIM	SOURCE	NAME	DIV. RATE	DIV. RATE/ACRE	DIV. VOL.	DIV. VOL./ACRE
A36-04113	GROUNDWATER	MAUGHAN , J. LOWELL	1.520	0.020	304.00	4.00
A36-02263	GROUNDWATER	MAUGHAN , J. LOWELL	4.800	0.015	960.00	3.11
R36-04113	GROUNDWATER	MAUGHAN , WAYNE	1.180	0.003		

NO RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION

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D.

RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES 308 x 0.02 CFS/ACRE = 6.16 CFS
(Taken from p/u review)

DOES AMOUNT CLAIMED EXCEED 0.02 CFS/ACRE? Y() N(☒)

*** IF YES ADDITIONAL WATER USE FORM FILED AND ATTACHED? Y() N() ***

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 228.0 AF/A

ACRES 308 x CONSUMPTIVE VOL. AF/A FOR AREA #3 =

TOTAL CONSUMPTIVE USE 924 AF/A —

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = 304.00 AF/A

ACRES 308 x DIVERSION VOL. AF/A FOR AREA 4 =

TOTAL DIVERSION VOLUME 1232 AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N(☒)

REMARKS: (Include limitations on CONSUMPTIVE USE for combined rights.)

1b. CALCULATIONS

TOTAL AC FOR P.P.O.U = 308
TOTAL DIV. RATE = 4.8 CFS

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RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
<u>IRRIGATION</u> ✓	<u>03-15</u> <u>11-15</u> ✓	DATABASE EXAMINER ~~1.520~~ <u>BHS</u>	DATABASE EXAMINER <u>1232</u> <u>BHS</u>	DATABASE EXAMINER ~~228.0~~ <u>BHS</u>
TOTAL FOR THIS RIGHT		~~1.520~~ <u>1.18</u>	~~304.00~~	~~228.0~~ <u>924</u>
REVIEWED BY: <u>BHS</u>		DATE: <u>8-6-91</u>		

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A. CHECK ONLY THE FOLLOWING THAT APPLY:

	ACCEPTED AS CLAIMED	NEEDS REVIEW
OWNERSHIP _____	(☒)	()
FORFEIT/ABANDON _____	()	()
ADDITIONAL DIV. AMOUNT _____	()	()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 36-04113

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
1.600

EXAMINER

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A36-04113	1.520	R36-04113	1.180	36-04113	1.600
-	R36-04113	1.180	R36-04113	1.180	36-04113	1.600
TOTAL CFS		2.700		2.360		1.600

DIVERSION RATE REVIEW

DO THE SUM CFS RATE OF THE SPLITS EQUAL THE ROOT RIGHT CFS RATE? (Y/N)
IF NO, is the written review sheet attached? (Y/N)

DATABASE
N

FIELD
EXAMINER

REMARKS:

N/A P.P.O.U.

AUTHENTICATION:

SIGNATURE: _____

DATE: 8-6-91

NAME OF FIELD EXAMINER: _____

BURKE H. SCHOLER

TITLE: _____

WATER RESOURCE AGENT

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GROUNDWATER MEASUREMENT REQUIREMENT ANALYSIS

THEORETICAL RATE OF FLOW: $Q = \frac{8.8 \times \text{HP} \times \text{EFF}}{\text{TDH}}$ $Q = \text{cfs}$

HP = total brake horsepower of pumping plant including booster

EFF = pumping plant efficiency (assume 70% or 0.70)

TDH = total dynamic head in feet = LIFT + (PSI X 2.31)

LIFT = vertical distance in feet from pumping water level to point at which discharge pressure is measured

PSI = discharge pressure measured in psi near pump (if open discharge assume PSI = 0)

$$Q = \frac{8.8 \times \left(\frac{200}{200} \right) \times 0.70}{\left(420 \right) + \left[\left(\frac{200}{1316} \right) \times 2.31 \right]} = \frac{\left(\frac{200}{200} \right) \left(\frac{200}{1514} \right) \text{ cfs}}{2.93 \quad 3.37}$$

$$\text{HP} = \frac{(2154)(420)}{(3960) \cdot 76} = 300$$

LIFT: measurement () owner () estimate () well logs ()

PSI: measurement () owner () estimate () owner's gauge ()

ANNUAL VOLUME ANALYSIS

POTENTIAL VOLUME = acre-feet/annum = AFA = DAYS X 1.98 X Q

DAYS = number of days in irrigation season from chart for area

$$\begin{aligned} \rightarrow 3/1 \text{ to } 12/1 &= 276 \text{ days} \\ 3/15 \text{ to } 11/15 &= 246 \text{ days} \\ 4/1 \text{ to } 11/1 &= 215 \text{ days} \\ 4/15 \text{ to } 10/15 &= 184 \text{ days} \end{aligned}$$

$$\text{POTENTIAL VOLUME} = (246) \times 1.98 \times (2.93) = 1427 \text{ AFA}$$

REQUIRED VOLUME = acre-feet/annum = AFA = FIELD X ACRES

FIELD = irrigation requirements at field headgate from chart for area in acre-feet/acre/season
(NOT CONSUMPTIVE USE CHART)

ACRES = recommended irrigated acres

$$\text{REQUIRED VOLUME} = (4) \times (307) = 1228 \text{ AFA}$$

$$1427 > 1228$$

OK BHS

() IF POTENTIAL VOLUME is greater than REQUIRED VOLUME then no flow measurement is necessary

() IF POTENTIAL VOLUME is less than REQUIRED VOLUME then flow measurement will not be necessary

Farmer retrofits pump, saves \$2,900 annually

By Randy Lobb, IDWR Water Resources Engineer

During the summer of 1985, Wayne Maughan requested that the Idaho Department of Water Resources conduct a pump efficiency test on his farm near Paul. Maughan operated one deep well turbine pump and one centrifugal booster to pressurize 10 quarter mile hand lines. Since the deep well pump had not been checked in over 15 years and electricity cost to operate the irrigation system seemed too high, Maughan felt the test could be beneficial.

IDWR staff conducted the test, recording important pumping parameters such as flow rate, discharge pressure, pumping water level and input power. Analysis of the data indicated that the efficiency of the deep well pump was about 48%. The centrifugal booster was not operating during the test and was not analyzed. A report was sent to Maughan presenting the

results of the pump test and potential for energy savings.

During the winter of 1986, Maughan attended one of the four irrigation workshops sponsored by the Idaho Department of Water Resources and learned of the low interest energy conservation loan program also offered by the department. During the workshop, Maughan met with his pump dealer and IDWR staff to determine the procedures for securing the loan and making the retrofit.

This spring, Maughan proceeded with repair of the deep well turbine using low interest financing provided by the IDWR. The repair work, conducted by Layne Pump of Twin Falls, included pulling the pump, replacing the bowls and reinstalling the pump. Replacing the bowls on the main pump allowed Maughan to remove the booster pump. Total cost of the retrofit was \$7600.

Higher pump efficiency

In the summer of 1986, IDWR staff again tested the pump and found that it was operating at an efficiency of 72%. The increased pump efficiency translated into decreased electrical demand and an increase in flow of 400 gallons per minute (gpm) with no reduction in discharge pressure. As a result, Maughan is now able to operate 12 quarter mile wheelines without the use of the booster pump.

Maughan estimates that his total energy cost savings for the summer of 1986 are just under \$3000. At this rate his original investment of \$7600 will be paid off in less than three years.

The Department of Water Resources, with funding from the U.S. Department of Energy and the Bonneville Power Administration, continues to provide free pump testing and irrigation system audits on request. Low interest energy conservation loans are also available to make retrofits on qualified energy saving projects like Wayne Maughan's.

For more information concerning the technical assistance program, call Randy Lobb, Idaho Department of Water Resources, Boise, at 334-4468

or the toll-free Energy Information Hotline at 1-800-334-SAVE.

the economic analysis for Wayne Maughan's pumping plant:

The following is a summary of

Before pump efficiency improvement (August 1985)

Pumping plant efficiency - 48%

Pumping rate - 1138 gpm

Average demand - 245 kw

Total power cost - \$12,547

After pump efficiency improvement (July 1986)

Pumping plant efficiency - 72%

Pumping rate - 1573 gpm

Average demand - 171 kw

Total power cost - \$9585

Savings - \$12,547/yr-\$9585/yr = \$2962

Project cost - \$7556

Payback period - \$7556/\$2962 = 2.6 years

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Wayne Maughan shows the rehabilitated pumping plant which has saved about \$3,000 this year. To the right the blocked discharge pipe can be seen; a booster pump was located there but was removed after the pump retrofit. (Photo by Randy Lobb)

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PUMPING PLANT EFFICIENCY
WAYNE MAUGHN
MINIDOKA COUNTY, IDAHO

TEST DONE
SECOND QUARTER
FY 1985

GENERAL

The pumping plant efficiency test was conducted for the purpose of determining the pump efficiency and identifying potential changes that could be considered to increase efficiency and reduce energy consumption. Pumping plant efficiency consists of both motor and pump efficiencies. The system tested consisted of a 200 horsepower pump operating side-roll sprinklers. A booster pump located near the main pump was not operating and was not tested. The test was conducted by the Idaho Department of Water Resources through its technical assistance program on agricultural/irrigation efficiency funded by the Bonneville Power Administration and the U.S. Department of Energy.

METHODS AND PROCEDURES

Flow measurements were obtained using a collins flow meter. The collins meter was inserted on a straight run section of discharge pipe approximately 10.5 feet from the pump. Discharge pressure was measured using a liquid filled pressure gauge located at the same point as the flow gauge. Input power was calculated by timing the rotation of the electric meter disc. Pumping water level in the irrigation well was measured using a 500 ft steel tape.

RESULTS

Detailed computations for flow and power measurement are presented in the appendix. Results of the pump efficiency test are shown as follows.

SUMMARY OF PUMPING PLANT EFF. TEST
OWNER OF PUMP(S): WAYNE MAUGHN

PUMPING UNIT	RATED HP	RATED Q (GPM)	OPERATING STATUS	Q (GPM)	DIS.PRESS (PSI)	TDH (FT)	WHP (HP)	IHP (HP)	EFF (%)
MAIN	200	1200	MAIN ONLY	1138.4	60.0	393.2	113.0	231.5	48.8

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POTENTIAL ENERGY SAVINGS
OWNER OF PUMP: WAYNE MAUGHN

PUMP NO 1
(200-HP MAIN)

PRESENT PUMPING PLANT EFF. (%)	48.8
ASSUMED ELEC. MOTOR EFF. (%)	92.0
CALCULATED EFF. OF PUMP (%)	53.1
ASSUMED EFF. OF IMPROVED PUMP (%)	80.0
ASSUMED ATTAINABLE PLANT EFF. (%)	73.6
POWER INPUT (KW):	
@ PRESENT EFFICIENCY	172.7 (231.5 HP)
@ IMPROVED EFFICIENCY	114.6 (153.6 HP)
ASSUMED PUMP OPERATION (HR/YR)	2000.
ESTIMATED ENERGY SAVINGS (KWH/YR):	116287.
(\$/YR @ 3.5 CENTS/KWH)	4070.
TOTAL KWH SAVINGS -----	116287.
TOTAL COST SAVINGS -----	4070.

ENERGY SAVINGS BASED ON INSTALLATION OF NEW BOWLS DESIGNED TO
DELIVER THE TESTED DISCHARGE AND PRESSURE AT 80% PUMP EFFICIENCY.

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PUMP TEST SUMMARY

OWNER OF PUMP: WAYNE MAUGHN
PUMPING UNIT NO. 1

TOTAL DYNAMIC HEAD:

- A) PUMPING WATER LEVEL 254.60FT (WATER LEVEL TO CENTER OF DISCHARGE PIPE)
- B) HEIGHT OF PRESSURE GAUGE 0.00FT (DISCHARGE PIPE TO GAUGE)
- C) FRICTION LOSS 0.00FT (INTAKE TO GAUGE)
- D) DISCHARGE PRESSURE 138.60FT

TOTAL DYNAMIC HEAD (A+B+C+D) = 393.20FT

FLOW MEASUREMENT:

- A) COLLINS METER 1138.39GPM
- B) ANNUBAR AND EAGLE EYE METER 0.00GPM

INPUT HORSEPOWER:

KW = 5. REV X 4.80KH X 80.00CTR X 1.00PTR X 3.6 / 40.02SEC = 172.71
HP = 231.44

OUTPUT HORSEPOWER :

HP = 1138.39GPM X 393.20TDH / 3960 = 113.03

PLANT EFFICIENCY:

EFF = OUTPUT HP / INPUT HP X 100 = 48.84%

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SUMMARY OF ENERGY SAVINGS

OWNER OF PUMP(S): WAYNE MAUGHN

CONDITION/ PUMP UNIT #	PRESENT PUMP PLT EFF. (%)	ASSUMED POTENTIAL PLT EFF (%)	POWER INPUT		KWH SAVINGS
			@ PRESENT EFF	@ NEW EFF	
NO. 1 MAIN	48.8	73.6	172.7	114.6	116287.

TOTAL KWH SAVED ----- 116287. KWH/YR

TOTAL COST SAVINGS @ \$ 0.035/KWH ----- \$ 4070./YR

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