

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: A36-02175
Date Received: 4/25/1988
Receipt No: 5000/27

NOTICE OF CLAIM TO A WATER RIGHT
ACQUIRED UNDER STATE LAW

1. Name: LAUREL W. MAUGHAN 208-532-4313
Address: RT. 5 BOX 141
RUPERT, ID 83350
AND/OR
Name: ORLO H. MAUGHAN 208-532-4313
Address: RT. 5 BOX 141
RUPERT, ID 83350

2. Date of Priority: JUL 15, 1952

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	NE	SW	NW		LINCOLN

5. Description of diverting works:
20" X 340' WELL WITH 200 H.P. TURBINE WITH 100 H.P. BOOSTER

6. Water is used for the following purposes:

Purpose	From	To	C.F.S.	(or)	A.F.A.
IRRIGATION	03/15	11/15	5.660		

7. Total Quantity Appropriated is:
5.660 C.F.S. (and/or) A.F.A.

8. Total consumptive use is 942.0 Acre Feet Per Annum.

9. Non-irrigation uses:

10. Place of Use:

Township	Range	Section	1/4 of	1/4 of	Lot	Use	Acres
07S	23E	21	NE	NW		IRR	39.0

A36-02175

Page 1

Date: 04/25/88

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JAN 26 1993

10. Place of Use: Continued

Township	Range	Section	1/4	of	1/4	Lot	Use	Acres
07S	23E	21	NW		NW		IRR	39.0
			SW		NW		IRR	38.0
			SE		NW		IRR	40.0
			NE		SW		IRR	40.0
			NW		SW		IRR	39.0
			SW		SW		IRR	39.0
			SE		SW		IRR	40.0

Section Acres 314.0

Total Acres 314.0

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:
TRANS. 3015.

15. Basis of Claim: LICENSE
Water Right Number: 22909

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): Oleo H. Maughan Date: 4-25-88

Date: _____

State of Idaho)
County of Twin Falls) SS.

Subscribed and sworn (or affirmed) before me this 25th day

of April 19 88

Mary A. Baldwin
Notary Public

Seal

Residing at Gooding, ID
My Commission Expires 10/16/1992

NO. OF CLAIMS IN POLYGON 1
CLAIM NUMBERS 36-02175

DATE 6/13/97
AGENT JL

TRANSFER NUMBER _____
OBJECTION FILED _____
TOTAL ACRES FROM RECOMMENDATION 314
GEOGRAPHIC INFO SYSTEM 317.18

RIGHT NO				NE				NW				SW				SE				
	TNS	RNG	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
RECOM	07S	23E	21					39	39	38	40	40	39	39	40					314
GIS								39.51	39.9	38.25	39.91	39.92	39.89	39.9	39.9					~~317.18~~ 313.78
RECOM																				
GIS																				
RECOM																				
GIS																				
RECOM																				
GIS																				

UPDATED
B36-DBPOU.DBF 5 ✓
B36-DBPOD.DBF 25 ✓

POLYGON # _____ UPDATED
ATTRIBUTES OF B36-POU.SHP (5) _____
ATTRIBUTES OF B36-POD.SHP (25) NESWNW-21

*modified polygon on GIS by moving western
boundary to more closely match field boundary
(new total is 313.78 or 314 Ac.) JL 6/13/97*

AJ0749NP
No. R36-02175

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	LAUREL W MAUGHAN	07/15/1952	IRRIGATION	04-01 10-31	5.66 CFS	1256.00 AFA
C	ORLO H MAUGHAN RT 5 BOX 141 RUPERT ID 83350 (208) 532-4313			TOTAL DIVERSION:	5.66 CFS	1256.00 AFA

Water Source: GROUNDWATER

Tributary to:

Stage: LICENSE

Point(s) of Diversion:

T07S R23E S21

NESWNW

LINCOLN County

Place of use Legal Description for: IRRIGATION

				NE				NW				SW				SE										
T	R	S	:	NENE	NWNE	SWNE	SENE	:	NENW	NWNW	SWNW	SENW	:	NESW	NWSW	SWSW	SESW	:	NESE	NWSE	SWSE	SESE	:	SUM		
---	---	---	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	Lt	Ac	:	---
07S	23E	21	:					:	39	39	38	40	:	40	39	39	40	:							:	314.0
																							TOTAL ACRES	:	314.0	

POU County: LINCOLN

Other Rights: NONE

Dates: Exam Made Date:

Verified Date:

Objection Filed Date:

Misc: Water District Number:

Field Inspection Flag:
Presumption Flag:

"DO NOT FILM"

Water Right Number - 36-02175

Prefix Translation: WATER RIGHT

Old (D) Number - 22909

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

*** C - CURRENT OWNER ***

MAUGHAN

LAUREL W

1 - RT 5 BOX 141

2 -

3 -

City- RUPERT

State- ID Zip- 83350

Phone - 208-532-4313

MAUGHAN

ORLO H

1 - RT 5 BOX 141

2 -

3 -

City- RUPERT

State- ID Zip- 83350

Phone - 208-532-4313

+ - - Priority Date - - + + - - - Region - - - + + - - - Stage - - - + + - - - Status - - - +
07/15/1952 ERROR IN REGION L - LICENSE+ - - - - Source - - - - - + + - - - - Tributary - - - - - +
GROUNDWATER+ - - - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County Diversion Name

07S 23E 21 NE SW NW (63) LINCOLN

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

01 - IRRIGATION

04/01

10/31

5.660

1256.00

+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Div. Capacity - + + - Total Consumptive Use - + + - KW Usage - +
5.660 1256.00 942.0+ - - - - Place of Use - - - - - +
Twn Rng Sec Tract Lot Acres Code Description County

07S 23E 21 NE NW 39.0 01 IRRIGATION (63) LINCOLN

07S 23E 21 NW NW 39.0 01 IRRIGATION (63) LINCOLN

07S 23E 21 SW NW 38.0 01 IRRIGATION (63) LINCOLN

07S 23E 21 SE NW 40.0 01 IRRIGATION (63) LINCOLN

07S 23E 21 NE SW 40.0 01 IRRIGATION (63) LINCOLN

07S 23E 21 NW SW 39.0 01 IRRIGATION (63) LINCOLN

07S 23E 21 SW SW 39.0 01 IRRIGATION (63) LINCOLN

07S 23E 21 SE SW 40.0 01 IRRIGATION (63) LINCOLN

Total Acres: 314.0

+ - - Diversion Means - 20" X 340' WELL WITH 200 H.P. TURBINE WITH 100 H.P. BOOSTER

+ - - Non-Irrigation Use -

+ - - Other Rights for Same Use - NONE

"DO NOT FILM"

AJ5808NP
(00-26)

IDAHO DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIMS PROOF READING REPORT

06/12/97 16:43:51
Page 2

Water right number - 36-02175

Prefix Translation: WATER RIGHT

+ - - - - Remarks - - - - -
No Remarks found.

+ - - - - 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

+ - - Audit Fields - 04/04/91 SCHOLER 08/27/91 SCHOLER 07/10/92 CWU-PROD 07/18/92 POST-STD 07/20/92 MERRITT
08/28/92 PR-PRODM 11/02/92 CPSHAW 12/05/92 ADT-SHAW 03/29/95 POST-STD

+ - - Certified Numbers & Date Mailed - 257905 08/24/92

+ - - - - Comments - - - - -
Date: 04/04/1991 User Id: SCHOLER Subject: COPIED FROM REMARKS
TRANS. 3015.
Date: 04/04/1991 User Id: SCHOLER Subject: REVIEW - BHS

+ - - - - 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	- 07/20/1992	Old Judicial District	-
Claim Received Date	- 04/25/1988	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	- S000127	Federal/State Indicator	- S
		POU Ownership Flag	- Y	Presumption Flag	-
		Name Connector	- AND/OR	Notice of Error Flag	-

"DO NOT FILM"

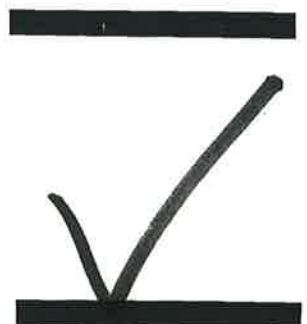
R PROOF

CVR

MAPS

PHOTOS

MISC



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JAN 26 1993

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

Water Right Number - R36-02175

Prefix Translation:

RESEARCH

Old (D) Number - 22909

+ - - - - Last Name - - - - +

+ - First Name - - +

+ - - - - Address - - - - - +

*** C - CURRENT OWNER ***
MAUGHAN

LAUREL W.

1 - RT. 5 BOX 141

2 -

3 -

City- RUPERT

State- ID Zip- 83350

Phone - 208-532-4313

1 - RT. 5 BOX 141

2 -

3 -

City- RUPERT

State- ID Zip- 83350

Phone - 208-532-4313

MAUGHAN

ORLO H.

+ - - Priority Date - - +
07/15/1952+ - - Region - - - +
ERROR IN REGION+ - - Stage - - - +
L - LICENSE

+ - - Status - - - +

+ - - Source - - - - - +
GROUNDWATER

+ - - Tributary - - - - - +

+ - - Point of Diversion - - - - - +
Twn Rng Sec Tract Lot RFlg County

07S 23E 21 NE SW NW (63) LINCOLN

+ - - Water Use - - - - - +
Code Description Period From Period To Diversion Rate Diversion Volume
01 - IRRIGATION 03/15 11/15 5.660 1256 AD 7/2/92+ - Total Div. Rate - + + - Total Div. Volume - + + - Total Consumptive Use - + + - KW Usage - +
5.660 1256.00 942.0+ - - Place of Use - - - - - +
Twn Rng Sec Tract Lot Acres Code Description County
07S 23E 21 NE NW 39.0 01 IRRIGATION (63) LINCOLN
07S 23E 21 NW NW 39.0 01 IRRIGATION (63) LINCOLN
07S 23E 21 SW NW 38.0 01 IRRIGATION (63) LINCOLN
07S 23E 21 SE NW 40.0 01 IRRIGATION (63) LINCOLN
07S 23E 21 NE SW 40.0 01 IRRIGATION (63) LINCOLN
07S 23E 21 NW SW 39.0 01 IRRIGATION (63) LINCOLN
07S 23E 21 SW SW 39.0 01 IRRIGATION (63) LINCOLN
07S 23E 21 SE SW 40.0 01 IRRIGATION (63) LINCOLN

Total Acres: 314.0

+ - - Diversion Means - 20" X 340' WELL WITH 200 H.P. TURBINE WITH 100 H.P. BOOSTER

+ - - Non-Irrigation Use -

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	- 08/27/1991	Old Judicial District	-
Claim Received Date	- 04/25/1988	Last Amended Date	- 00/00/0000	Temporary Right	- P
		Receipt Number	- S000127	Water District	-
		POU Ownership Flag	- Y	Federal/State Indicator	- S
		Name Connector	- AND/OR	Presumption Flag	- 
				Notice of Error Flag	-

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

01:17:53
08/17/90

PAGE: 12
QUICKLOOK INFORMATION

CLAIM NUMBER: A36-02175

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	D.T. Y	N	BHS 4-2-91	N	6	BHS 4-2-91	BHS 4-4-91	BHS 8-27-91
POINT OF DIV	③ OK		↓	N	2, 6	↓	↓	
SOURCE	N			N	6			
PLACE OF USE	D.T. ③ OK			N	2, 4, 1, 6			
DIV. AMOUNT CFS/VOLUME	N			N	6			
CONSUMPTIVE USE	—			N	6			
PURPOSES	N			N	6			
PERIOD OF USE	D.T. ③ Y			N	6			
BASIS OF CLAIM	N			N	6			
REMARKS	Y OK			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

D.T. = DEC 30 TOP

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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JAN 26 1993

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
ADJUDICATION CLAIM VERIFICATION REPORT

01:17:53
08/17/90

PAGE: 1
GENERAL INFORMATION

CLAIM NUMBER: A36-02175

LAST: MAUGHAN ✓
ADDRESS: RT. 5 BOX 141
CITY: RUPERT
PHONE NUMBER: 208-532-4313

FIRST: LAUREL W. ✓
STATE: ID ZIP: 83350

OWNER CODE: C

LAST: MAUGHAN ✓
ADDRESS: RT. 5 BOX 141
CITY: RUPERT
PHONE NUMBER: 208-532-4313

FIRST: ORLO H. ✓
STATE: ID ZIP: 83350

OWNER CODE: C

FIELD EXAM REQUIRED?

VERIFICATION REQUIRED DUE TO REMARKS?

CLAIM REMARKS: TRANS. 3015.

DATABASE
Y

FIELD
EXAMINER

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JAN 26 1993

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: # A36-02175 PRIORITY DATE: 07-15-1952 ✓ STAGE: L ✓
B. WR RECORD: # 36-02175 PRIORITY DATE: 07-15-1952 ✓ STAGE: L ✓

C. FIELD EXAM REQUIRED?
DUE TO PRIORITY DATE DISCREPANCY? (Y/N) DATABASE FIELD EXAMINER
N BHS

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

REMARKS:

=====

RECOMMENDED PRIORITY DATE:

07-15-1952

REVIEWED BY

Bender & Schuler

DATE

4-2-91

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JAN 26 1993

A. AJ CLAIM POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
A36-02175	07S	23E	21	NE	SW	NW		LINCOLN

OTHER AJ CLAIMS WITH SAME AJ POD
A PREFIX R PREFIX
A36-10008 NONE

WR RECORDS IN SAME 40 ACRE TRACT
NONE

SOURCE: GROUNDWATER

TRIB:

B. WR POINT OF DIVERSION AND SOURCE:

RIGHT	TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	CNTY
36-02175	07S	23E	21	NE	SW	NW		LINCOLN

OTHER WR RECORDS WITH SAME WR POD

NONE

AJ CLAIMS IN SAME 40 ACRE TRACT
A PREFIX R PREFIX

A36-10008 NONE

SOURCE: GROUNDWATER

TRIB:

C. FIELD EXAM REQUIRED?

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

DATABASE
Y
N

FIELD
EXAMINER
BUS

REMARKS:

CHECK POD IF HANDY - USES ^{new} 1/4 IF NOT. VERIFIED P.O.P. 5-15-91

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JAN 20 1993

RECOMMENDED POINT(S) OF DIVERSION AND SOURCE:

TWP.	RGE.	SEC.	1/4	1/4	1/4	LOT	COUNTY
<u>7S</u>	<u>28E</u>	<u>21</u>	<u>NE</u>	<u>SW</u>	<u>NW</u>	<u>---</u>	<u>LINCOLN</u>

SOURCE: GROUNDWATER

TRIB:

REVIEWED BY: Bruce H. Schuman DATE: 4-2-91

MICROFILMED
JAN 20 1993

A. ROOT WATER RIGHT NUMBERS: A36-02175

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	NE	NW		MAUGHAN , LAUREL W.	A36-02175 /39.0	36-02175 /39.0	39.0		39.0 ✓
07S	23E	21	NW	NW		MAUGHAN , LAUREL W.	A36-02175 /39.0	36-02175 /39.0	39.0		39.0 ✓
07S	23E	21	SW	NW		MAUGHAN , LAUREL W. MAUGHAN , LAUREL W.	A36-02175 /38.0 A36-10008 /	36-02175 /38.0 -	40.0		40.0 ✓
07S	23E	21	SE	NW		MAUGHAN , LAUREL W.	A36-02175 /40.0	36-02175 /40.0	40.0		40.0 ✓
07S	23E	21	NE	SW		MAUGHAN , LAUREL W.	A36-02175 /40.0	36-02175 /40.0	39.0		40.0 ✓
07S	23E	21	NW	SW		MAUGHAN , LAUREL W.	A36-02175 /39.0	36-02175 /39.0	38.0		39.0 ✓
07S	23E	21	SW	SW		MAUGHAN , LAUREL W.	A36-02175 /39.0	36-02175 /39.0	39.0		39.0 ✓
07S	23E	21	SE	SW		MAUGHAN , LAUREL W.	A36-02175 /40.0	36-02175 /40.0	38.0		40.0 ✓
TOTAL ACRES							A36-02175	314.00	314.00	312.00	314 ✓

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
EXAMINER

PRESUMPTION FLAG:

REMARKS:

RECOMMENDATIONS:

TOTAL ACRES:

REVIEWED BY:

DATE:

MICROFILMED

RECOMM.
ACRES

39.0 ✓

39.0 ✓

40.0 ✓

40.0 ✓

40.0 ✓

40.0 ✓

39.0 ✓

39.0 ✓

40.0 ✓

314 ✓

314

BHS

4-2-91

A. AJ CLAIMED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
A36-02175 IRRIGATION	FROM 03-15 TO 11-15	5.660 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED		5.660 CFS

B. WR RECORDED USES:

PURPOSES	MONTH/DAY	DIVERSION QUANTITY
36-02175 IRRIGATION	FROM TO	5.660 CFS
TOTAL DIVERSION RATE/VOLUME CLAIMED		5.660 CFS

PRESUMPTION FLAG:

C. FIELD EXAM REQUIRED?

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

D. PERIOD OF USE:

RECOMMEND AS CLAIMED? Y() N()

RECOMMEND TO WR STANDARDS OR OTHER? Y(✓) N() Explain in remarks, below.

REMARKS:

PERIOD OF USE IS NOT IN LICENSE ISSUED 10-11-60 RECOMMEND USING THE STANDARD
FOR AREA- 3-15 to 11-15 - (AUTHORITY ON Pg 95 OF CLAIM INVESTIGATION MANUAL VERSION 4 12/90)

0180-8:59
0182-9:17

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JAN 26 1993

A. DOES DIVERSION RATE CLAIMED AGREE WITH EXISTING RECORDS?

Y(☒) N(☐)

AJ TOTAL CLAIMED DIVERSION RATE: 5.660 CFS ✓
WR ROOT RIGHT TOTAL DIVERSION RATE: 5.660 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

N

BITZ

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 ✓

NO CLAIMS FOUND WITH SAME POU AND IRRIGATION USAGE

LIST ALL RIGHTS WITH SAME POU BUT NOT USED FOR IRRIGATION.

CLAIM NO.	PURPOSES	NAME	MONTH/DAY	RATE	VOLUME
A36-10008	DOMESTIC ✓	MAUGHAN , LAUREL W.	FROM 01-01 TO 12-31	.040 CFS ✓	

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D. RATE/VOLUME CALCULATIONS: (IRRIGATION)

1a. IRRIGATION RATE

ACRES 314 x 0.02 CFS/ACRE = 6.28 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() ***

1b. CALCULATIONS

MICROFILMED
JAN 20 1993

2. IRRIGATION CONSUMPTIVE USE

CLAIMED CONSUMPTIVE USE = 942.0 AF/A

ACRES 314 x CONSUMPTIVE VOL. AF/A FOR AREA 3 =

TOTAL CONSUMPTIVE USE 942 AF/A

3. IRRIGATION DIVERSION VOLUME

CLAIMED DIVERSION VOLUME = AF/A

ACRES 314 x DIVERSION VOL. AF/A FOR AREA 4 =

TOTAL DIVERSION VOLUME 1256 AF/A

4. CALCULATIONS FOR USES OTHER THAN IRRIGATION:

SEE ATTACHED SHEET? Y() N(☒)

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

RECOMMENDATIONS:

REC. PURPOSES	REC. PERIOD FROM TO	REC. DIV RATE CFS	REC. DIV VOL. AF/A	REC. CONS. USE
IRRIGATION ✓	<u>03-15</u> <u>11-15</u>	DATABASE EXAMINER 5.660 <u>BMZ</u>	DATABASE EXAMINER <u>1256</u> <u>BMZ</u>	DATABASE EXAMINER <u>942.0</u> <u>BMZ</u>
TOTAL FOR THIS RIGHT		5.660 ✓		942.0

REVIEWED BY:

Robert H. Scholten

DATE:

4-2-91

MICROFILMED

JAN 20 1993

A. CHECK ONLY THE FOLLOWING THAT APPLY:

OWNERSHIP _____
FORFEIT/ABANDON _____
ADDITIONAL DIV. AMOUNT _____

ACCEPTED AS CLAIMED	NEEDS REVIEW
(<u> </u>)	()
(<u> </u>)	()
(<u> </u>)	()

B. SPLIT WATER RIGHT REVIEW

ROOT WATER RIGHT NUMBER: 36-02175

TOTAL DIVERSION RATE OF WR SPLITS

DATABASE
5.660

EXAMINER

CFS

SPLITS:

OLD RIGHT NUMBERS	CURRENT CLAIM NUMBERS	DIVERSION RATE	CURRENT "R" CLAIM NUM.	"R" DIV. RATE	WR RIGHT NUMBERS	DIVERSION RATE
-	A36-02175	5.660	-		36-02175	5.660
	TOTAL CFS	5.660				5.660

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
Y

FIELD
EXAMINER

REMARKS:

None

AUTHENTICATION:

SIGNATURE: Burke H. Scholten

DATE: 4-2-91

NAME OF FIELD EXAMINER: BURKE H. SCHOLTEN

TITLE: WATER RESOURCE AGENT

MICROFILMED

JAN 26 1993

7-23-21

LAUREL MAUGER
(ORLO) WIFE

A36-2175

MICROFILMED

JAN 26 1993

E7

16
20 21

T 1895
1892

SW

NE

310.7

20 21
29 28



34

34

TEST DONE
SECOND QUARTER
FY 1985

PUMPING PLANT EFFICIENCY TEST
ORLO MAUGHN
MINIDOKA COUNTY, IDAHO

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 the motor efficiency and the pump efficiency. The system tested consisted of a 200 horsepower pump operating sideroll 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 meter. The collins meter was inserted on a straight run section of discharge pipe approximately 2.5 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.

PUMPING UNIT	RATED HP	RATED Q (GPM)	OPERATING STATUS	Q (GPM)	DIS.PRESS (PSI)	TDH (FT)	WHP (HP)	IHP (HP)	EFF (%)
MAIN	200	1100	MAIN ONLY	1028.0	42.9	363.0	94.2	181.3	52.0

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PUMP TEST SUMMARY

OWNER OF PUMP: ORLO MAUGHN
PUMPING UNIT NO. 1

TOTAL DYNAMIC HEAD:

- A) PUMPING WATER LEVEL 263.80FT (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 99.20FT

TOTAL DYNAMIC HEAD (A+B+C+D)= 363.00FT

FLOW MEASUREMENT:

- A) COLLINS METER 1028.01GPM
- 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 / 51.10SEC= 135.26

HP= 181.25

OUTPUT HORSEPOWER :

HP= 1028.01GPM X 363.00TDH / 3960= 94.23

PLANT EFFICIENCY:

EFF= OUTPUT HP / INPUT HP X 100= 51.99%

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POTENTIAL ENERGY SAVINGS
OWNER OF PUMP: ORLO MAUGHN

PUMP NO 1
(200-HP MAIN)

PRESENT PUMPING PLANT EFF. (%)	52.0
ASSUMED ELEC. MOTOR EFF. (%)	92.0
CALCULATED EFF. OF PUMP (%)	56.5
ASSUMED EFF. OF IMPROVED PUMP (%)	80.0
ASSUMED ATTAINABLE PLANT EFF. (%)	73.6
POWER INPUT (KW):	
@ PRESENT EFFICIENCY	135.3 (181.3 HP)
@ IMPROVED EFFICIENCY	95.5 (128.0 HP)
ASSUMED PUMP OPERATION (HR/YR)	2000.
ESTIMATED ENERGY SAVINGS (KWH/YR):	79500.
(\$/YR @ 3.5 CENTS/KWH)	2782.
TOTAL KWH SAVINGS -----	79500.
TOTAL COST SAVINGS -----	2782.

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

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SUMMARY OF ENERGY SAVINGS

OWNER OF PUMP(S): ORLO MAUGHN

CONDITION/ PUMP UNIT #	PRESENT PUMP PLT EFF. (%)	ASSUMED POTENTIAL PLT EFF (%)	POWER INPUT		KWH SAVINGS
			@ PRESENT EFF	@ NEW EFF	
NO. 1 MAIN	52.0	73.6	135.3	95.5	79500.

TOTAL KWH SAVED ----- 79500. KWH/YR

TOTAL COST SAVINGS @ \$ 0.035/KWH ----- \$ 2782./YR

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