

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 75-7637

Exam Date: 8/11/2000

1. Current Owner: TABITHA D AUSTIN
PO BOX 184
SALMON ID 83467
(208)756-4121

Or

RICK D AUSTIN
PO BOX 184
SALMON ID 83467
(208)756-4121

2. Accompanied by: Tabitha Austin

Phone No: same as owner

Address: same as owner

Relationship to Permit Holder: self

3. **SOURCE****TRIBUTARY**

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: see attached

2. Other water rights with the same point of diversion: none

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

NE1/4SE1/4

Sec. 12, Twp 20N, Rge 21E, B.M.

LEMHI County

Method of Determination: utilization of FSA aerial photography, and on site field investigation

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
20N	21E	12													6.4				6.4

Total Acres: 6.4

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
20N	21E	12													X				

Method of Determination: ArcView and utilization of 2004 NAIP imagery to generate shape

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
☐ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
699020	Meyers	1	3NFL102-20		

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements: 25 PSI at pump

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6.4 \times 3.5 = 22.4 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \times 213 \times 1.9835 = 25.3 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 22.4$$

2. Volume Calculations for Other Uses: 1 shop = 0.6 afa total is 23.0 afa

G. NARRATIVE/REMARKS/COMMENTS

Well to 1 HP pump to 2-1/2 inch pvc mainline to 2 quarter inch nozzle sprinklers. Domestic well for shop/house is on a different well and does not include irrigation.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	0.060 CFS	22.40 AF
DOMESTIC	01/01 to 12/31	0.020 CFS	0.60 AF
<u>Totals:</u>		0.060 CFS	23.00 AF

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

Field Examiner's Name Kieth Wilson Date 8-11-2000

Reviewer Nate Arave Date 8-1-2007

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. 75-07637

1. Owner: Rick or Tabitha Austin

Phone No. 756-4121

Current Address: RR. 1 Box 242, Salmon Id 83467

2. Accompanied by: Tabitha Austin

EXAM DATE: 8/11/2000

Address: -

Phone No. -

Relationship to Permit Holder: -

3. Source: GROUNDWATER

tributary to -

B. OVERLAP REVIEW

1. Other water rights with the same place of use: -

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

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NE	SE	12	20N	21E	Lemhi	On site / FSA Aerial

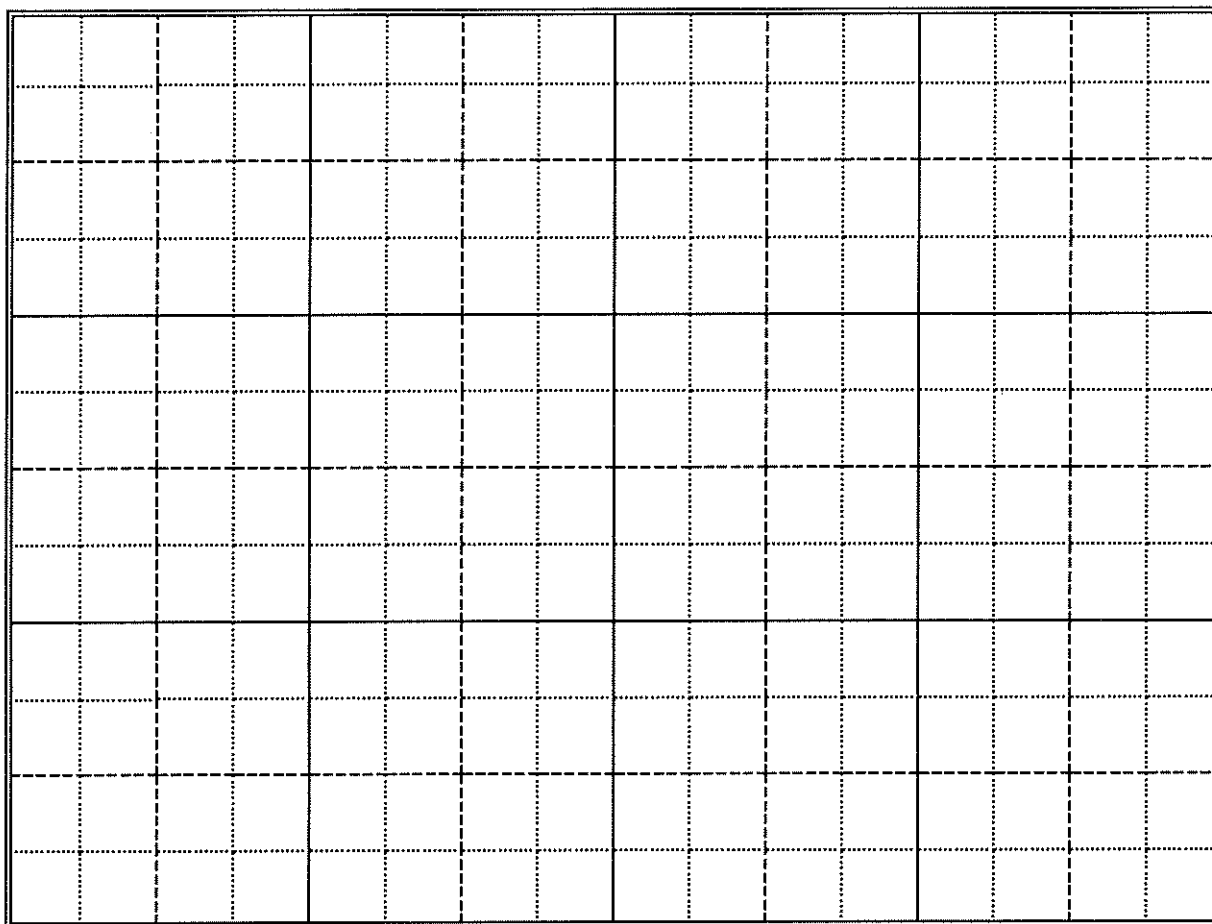
2. Place(s) of Use:

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	
20N	21E	12													D				
															7.5				7.5

*Authentic
Intergous 35*

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



Scale: 1" = _____

_____ Copy of USGS Quadrangle 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
	Myers	1	Cat NO 3NFL102-20		

*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:

26psi @ Pump

1 - 1/4" nozzle @ 25psi = 8.9 gpm
1 - 1/4" nozzle @ 35psi = 10.6 gpm

E. NARRATIVE/REMARKS/COMMENTS

Well pump 2 1/2" pvc mainline to two 1/4" nozzle sprinklers

Domestic well for shop / house is on different well & does not include irrigation

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

Measured Method:

$$Q = 0.045 \text{ cfs} = 0.05 \text{ cfs}$$

☒ Additional Computation Sheets Attached

$$\text{Calculated } Q = AV = \frac{\pi d^2}{4} \sqrt{2gh} = 6.0665 d^2 \sqrt{PSI}$$

$$Q @ 25 \text{ PSI} = 0.02 \text{ cfs} = 9.33 \text{ gpm}$$

$$Q @ 35 \text{ PSI} = 0.025 \text{ cfs} = 11.03 \text{ gpm}$$

$$20.36 \text{ gpm}$$

$$\text{MEASURED } Q = 20.27 \text{ gpm}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 7.5 \text{ ac} (3.5) = 26.3 \text{ cfs}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = 0.05 (214) 1.9835 = 21.2$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 21.2$$

2. Volume Calculations for Other Uses:

$$D_{VOL} = 0.6$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic (Home & Shop)	1/1	12/31	0.02 cfs	0.6 afa
IRRIGATION	4/1	10/31	0.05 cfs	21.2 afa
Totals:			0.05 cfs	21.8 afa

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

Field Examiner's Name

KEITH C Wilson

Date

8/11/2000

Reviewer

Date

SEAL

Comment Report

75-7637

1. mholliday 1/31/2007 Field Report Narrative

Comment: Well to 1 HP pump to 2-1/2 inch pvc mainline to 2 quarter inch nozzle sprinklers. Domestic well for shop/house is on a different well and does not include irrigation.

8. narave 1/31/2007 PLACE OF USE

Comment: Keith identified 7.5 acres at field exam. Arcview shows 6.4 acres, which is being recommended for license.

9. narave 1/31/2007 overlap review

Comment: The overlapping water rights are:

75-4062

75-10153

75-10154

75-27A- Possible C/O

10. VAULT 12/10/1999 Proof of Beneficial Use Rcvd

Comment: Proof of Beneficial Use Rcvd

11. DELLIS 4/19/2000 Proof of Beneficial Use Rcvd

Comment: Proof of Beneficial Use Rcvd

THEORETICAL PUMP FLOW CALCULATIONS

Formula:

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

Hp = Horsepower = 1

Eff = Efficiency = 83% (Usually 70%)

Lift: (Static Level + Assumed Draw down)

Static Water Level = _____ ft.

Assumed Draw down = + _____ ft.

Lift = _____

OR

Measured Dynamic Water Level = 64 ft.

psi = Operating Pressure = 25 psi

$$Q_{cfs} = \left[\frac{1}{Hp} \times 8.814 \times \frac{0.83}{Eff} \right] \div \left[\frac{64}{Lift} + \left(\frac{25}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = [7.32] \div [121.7]$$

$$Q_{cfs} = \underline{0.06} \text{ cfs}$$

PERMIT NO. 75-7637

4121

Inspected by _____
Twp _____ Rge _____ Sec _____
_____ 1/4 _____ 1/4 _____ 1/4
Lat: ; ; Long: ; ;

1. WELL TAG NO. D 000 4621
 DRILLING PERMIT NO. 75-98-E-0011
 Other IDWR No. 75-07637

2. OWNER
Name Rick + Tabitha Austin
Address RRI Box 242A
City Salmon State ID Zip 83469

Sketch map location must agree with written location.

N
 W E S
 Twp. 20 North ☒ or South ☐
 Rge. 21 East ☒ or West ☐
 Sec. 17 1/4 NE 1/4 SE 1/4
 Gov't Lot _____ 10 acres County Lemhi 20 acres 160 acres
 Lat. : : Long. : :
 Address of Well Site 1.5 mi so. on
Cookett Ln City Salmon
 (Give at least name of road + distance to Road or Landmark)
 Lt. _____ Blk. _____ Sub. _____ Name _____

Lt.	Bk.	Sub.	Name
-----	-----	------	------

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other[illegible]

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) _____
Was drive shoe seal tested? ☐ Y ☒ N How? _____

Diameter	From	To	Gauge	Material	Casing	Linear	Welded	Threaded
8	+1	51	.250	steel	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

Perforations Method Knife
Screens Screen Type

From	To	Slot Size	Number	Diameter	Material	Casing	Linear
25	50	3/16"	600		steel	☒	☐
						☐	☐
						☐	☐

30 ft. below ground. Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or
control devices: sanitary well seal

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
25		64	2 hrs

Water Temp. 57° Bottom hole temp. _____
 Water Quality test or comments: good appearing
 _____ Depth first Water Encounter 25

12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature.	Y	N
12	0		Boulders		X
		20	gravel		X
8	20	24	Big boulders		X
	24	26	sand gravel	X	
	26	45	Cemented boulders		X
	45	52	gravelly hard	X	
	52	54	brown hard		X
	54	64	grey shale		X

RECEIVED

JUL 27 1998

Department of Water Resources

MICROFILMED

SEP 23 1998

~~RECEIVED~~

~~JUN 24 1998~~

~~Department of Water Resources~~
~~Eastern Region~~

Completed Depth 64 (Measurable)
Date: Started 6-9-98 Completed 6-13-98

1/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Harber Drilling Firm No. 0430

Firm Official Alan Harvey Date 7-13-98

and
 Driller or Operator _____ Date _____
 (Sign once if Firm Official & Operator)

Type	VMA #	Owner	Source	TDS	NENE	NAME	SUMME	SENE	KENNY	WAWAY	SWAMP	SENMY	MESBY	NABASH	SUNSHY	SSSN	WESE	INAME	SVNZE	SSIZE	TSIZE	Total
Right	75 2104	F W MOUTRIE	SPRING	20N21E12								5	3								5	10
Right	75 4093A	VAL B JOHNSON	SALMON RIVER	20N21E12																	5	5
Right	75 4062F	RAIMBOX FARMS DITCH CO.	SALMON RIVER	20N21E12																	5	5
Right	75 7030	ELIZABETH CUJAN LOUIS R CUJAN	WILLIAMS CREEK	20N21E12																	2	2
Right	75 7083B	BERT SCHNIEDER	GROUND WATER	20N21E12																	4	4
Right	75 7109	GILBERT V WHEELER	SPRING	20N21E12																	2	2
Permit	75 7492	BILL GATTUNG	GATTUNG SILOUGH	20N21E12																	40	40
Right	75 7637	TABITHA D AUSTIN RICK AUSTIN,	GROUND WATER	20N21E12																	9	9
Right	75 10153	RICK D AUSTIN TABITHA D AUSTIN,	GROUND WATER	20N21E12																	0	0
Right	75 10154	TABITHA DAUSTIN RICK D AUSTIN,	GROUND WATER	20N21E12																	0	0
Right	75 10258	TYRELL J KREMER PATTI L CONLEY	GROUND WATER	20N21E12																	0	0
Right	75 10269	TYRELL J KREMER PATTI L CONLEY	GROUND WATER	20N21E12																	0	0
Claim	75 10648	MARLEA M ANDERSON J GALE E ANDERSON,	WILLIAMS CREEK	20N21E12								X									3	3
Claim	75 227A	BILL GATTUNG LOIS GATTUNG	WILLIAMS CREEK	20N21E12																	28	28
Claim	75 4062F	RAINBOX FARMS DITCH CO.	WILLIAMS CREEK	20N21E12																	5	5
Claim	75 27C	ROGER K RIFE JUDY M RIFE	WILLIAMS CREEK	20N21E12																	2	2
Claim	75 7030	LURAINA BOICE	WILLIAMS CREEK	20N21E12																	4	4
Claim	75 27E	TYRELL KREMER PATTI L CONLEY	WILLIAMS CREEK	20N21E12																	1	1
Claim	75 10294	TAMARA RICE KEVIN A RICE	SPRING	20N21E12																	38	38
Claim	75 10294	MARY F HOWICK PHYLLIS J BRUGENKAMP	SPRING	20N21E12																	1	1
Claim	75 7083	JOHN A BENZON	GROUND WATER	20N21E12								X									0	0
Claim	75 4034	VAL B JOHNSON	GROUND WATER	20N21E12								X									4	4
Claim	75 7109	ROGER K RIFE JUDY M RIFE	SALMON RIVER	20N21E12																	5	5
Claim	75 27L	JOHN A BENZON	WILLIAMS CREEK	20N21E12									2								4	4
Claim	75 27M	LOIS GATTUNG BILL GATTUNG	WILLIAMS CREEK	20N21E12																	18.7	18.7
Right	75 4082	ROGER K RIFE JUDY M RIFE	GROUND WATER	20N21E12								X									0	0
Right	75 7104	WILLIAM LEE KNOPP PEGGY J KNOPP	GROUND WATER	20N21E12								X									0	0
Right	75 10017	WILLARD E MINEAU HELEN M MINEAU	GROUND WATER	20N21E12										X							0	0
Right	75 10243	ROGER K RIFE JUDY M RIFE	GROUND WATER	20N21E12																	0	0
Right	75 10276	RAUNDAL F CHENEY AURUR R KUNZ	GROUND WATER	20N21E12								X									0	0
Right	75 10293	LURAINA BOICE	GROUND WATER	20N21E12								X									0	0
Right	75 10325	TYRELL J KREMER PATTI L CONLEY	GROUND WATER	20N21E12								X									0	0
Right	75 10335	PHOEBE A HODGES GAR L A HODGES	GROUND WATER	20N21E12																	0	0
Right	75 10353	MICHAEL L BROCK COLLEEN K BROCK	GROUND WATER	20N21E12																	0	0
Right	75 10383	BILL GATTUNG LOIS GATTUNG	GROUND WATER	20N21E12																	0	0
Right	75 10384	BILL GATTUNG LOIS GATTUNG	GROUND WATER	20N21E12																	0	0
Right	75 10900	LARRY E FORD MONICA T MELTZREZ	SPRING	20N21E12								X									0	0
Right	75 10934	PATRICIA K LONG	GROUND WATER	20N21E12																	0	0
Right	75 10648	TYRELL KREMER	GROUND WATER	20N21E12								X									0	0
Claim	75 14067	BILL KNOPP PEGGY KNOPP	WILLIAMS CREEK	20N21E12									1								1	1
Claim	75 27P	AMV BEVELER JASON BEVELER	WILLIAMS CREEK	20N21E12																	7.58	7.58
Claim	75 7030	DAVID J LOGAN MERRY B LOGAN	WILLIAMS CREEK	20N21E12																	11.99	11.99
Rec	75 7083	JOHN A BENZON	GROUND WATER	20N21E12																	16	16
Rec	75 7109	ROGER K RIFE JUDY M RIFE	SPRING	20N21E12																	2	2
Rec	75 7083	JOHN A BENZON	GROUND WATER	20N21E12																	4	4
Rec	75 4034	VAL B JOHNSON	SALMON RIVER	20N21E12								X									3	3
Rec	75 4062	RAINBOX FARMS DITCH CO.	SALMON RIVER	20N21E12																	3	3
Rec	75 27L	JOHN A BENZON	WILLIAMS CREEK	20N21E12									3.6								3	3
Rec	75 27E	TYRELL KREMER PATTI L CONLEY	WILLIAMS CREEK	20N21E12																	7.4	7.4
Rec	75 27K	PATTI L CONLEY TYRELL J KREMER	WILLIAMS CREEK	20N21E12									1								7.8	7.8
Rec	75 27F	TAMARA RICE KEVIN A RICE	WILLIAMS CREEK	20N21E12																	5	5
Rec	75 27G	ROGER K RIFE JUDY M RIFE	WILLIAMS CREEK	20N21E12																	5	5
Rec	75 27I	ROGER K RIFE JUDY M RIFE	WILLIAMS CREEK	20N21E12																	5	5
Rec	75 27J	BILL GATTUNG LOIS GATTUNG	WILLIAMS CREEK	20N21E12																	17.62	17.62
Rec	75 27M	LOIS GATTUNG BILL GATTUNG	WILLIAMS CREEK	20N21E12																	18.7	18.7
Rec	75 27N	AMV BEVELER JASON BEVELER	WILLIAMS CREEK	20N21E12																	7.7	7.7
Rec	75 27P	DAVID J LOGAN MERRY B LOGAN	WILLIAMS CREEK	20N21E12																	12.1	12.1
Rec	75 27Q	MARIA M ANDERSON J GALE E ANDERSON	WILLIAMS CREEK	20N21E12																	3	3
Rec	75 10789	BILL KNOPP PEGGY KNOPP	WILLIAMS CREEK	20N21E12									0.9								0.1	0.1
Claim	75 14067	PATTI KREMER TYRELL KREMER	WILLIAMS CREEK	20N21E12																	0.2	0.2
Claim	75 14253	COUNTRYWIDE HOME LOANS INC.	GROUND WATER	20N21E12																	0	0
Claim	75 14270	COUNTRYWIDE HOME LOANS INC.	WILLIAMS CREEK	20N21E12																	0	0
Rec	75 14253	PATTI KREMER TYRELL KREMER	WILLIAMS CREEK	20N21E12																	0.5	0.5
Rec	75 14270	COUNTRYWIDE HOME LOANS INC.	GROUND WATER	20N21E12																	0	0
Claim	75 27R	MICHAEL L BROCK COLLEEN K BROCK	WILLIAMS CREEK	20N21E12																	2	2
Claim	75 27S	MICHAEL L BROCK COLLEEN K BROCK	WILLIAMS CREEK	20N21E12																	3	3
Claim	75 27T	MICHAEL L BROCK COLLEEN K BROCK	WILLIAMS CREEK	20N21E12																	6.4	6.4
Right	75 7637	TABITHA D AUSTIN RICK D AUSTIN	GROUND WATER	20N21E12																	0	0
Right	75 7637	TABITHA D AUSTIN RICK D AUSTIN	GROUND WATER	20N21E12																	0	0



Place of Use

75-07637



Point of Diversion w/mainline

75-07637