

Method of Determination:

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>
698763		10			

*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>
Micrometer meter						

2. Measurements:

Larry said micrometer meter shows 120 gpm (0.27 cfs) when pump is running. Existing GPS tag E0007735.
 Submerged pump Larry said 10 Hp

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

120 GPM = 0.27 cfs

Theoretical pump:

$$[10 * 8.814 * 0.70] \div [60 + (65 * 2.30^*)] = 0.29 \text{ cfs}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Larry and Ike Orgill accompanied Skip and I on 1-25-07

The well at the time of inspection had froze and busted a valve. It was not operational.

There was a Micrometer Meter on the pipe and Larry said it shows about 120 gpm when in use.

This is the only City well in operation according to Larry.

This well supplants Crystal Springs which is the main water source for the town. This spring fills a 300,000 Gallon Tank.

The well when in use also pumps to this storage tank which then supplies the town with water.

Larry said when running the most pressure they get is 65 PSI

Static water is at 60 Ft

Well is about 160 Ft deep.

Well was drilled in 2002 or 2003 by Fransen (Maverick Well Drilling)

GPS tag existed from DEQ # E0007735

GPS Reading Northing 2647912 Easting 1272508

Need to contact Maverick Drilling or look on our database for a Well Log to find pumping depth and other specs.

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>
MUNICIPAL	01/01 to 12/31	0.290 CFS	
<u>Totals:</u>		0.290 CFS	

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 Trent Gailbraith Date January 25, 2007

Reviewer Nate Arave Nate Arave Date April 23, 2007

Permit No. 29-8226

Current Address: P.O. Box 9 McCammon ID

Address: City Workens Phone No. _____

3. Source: Groundwater tributary to

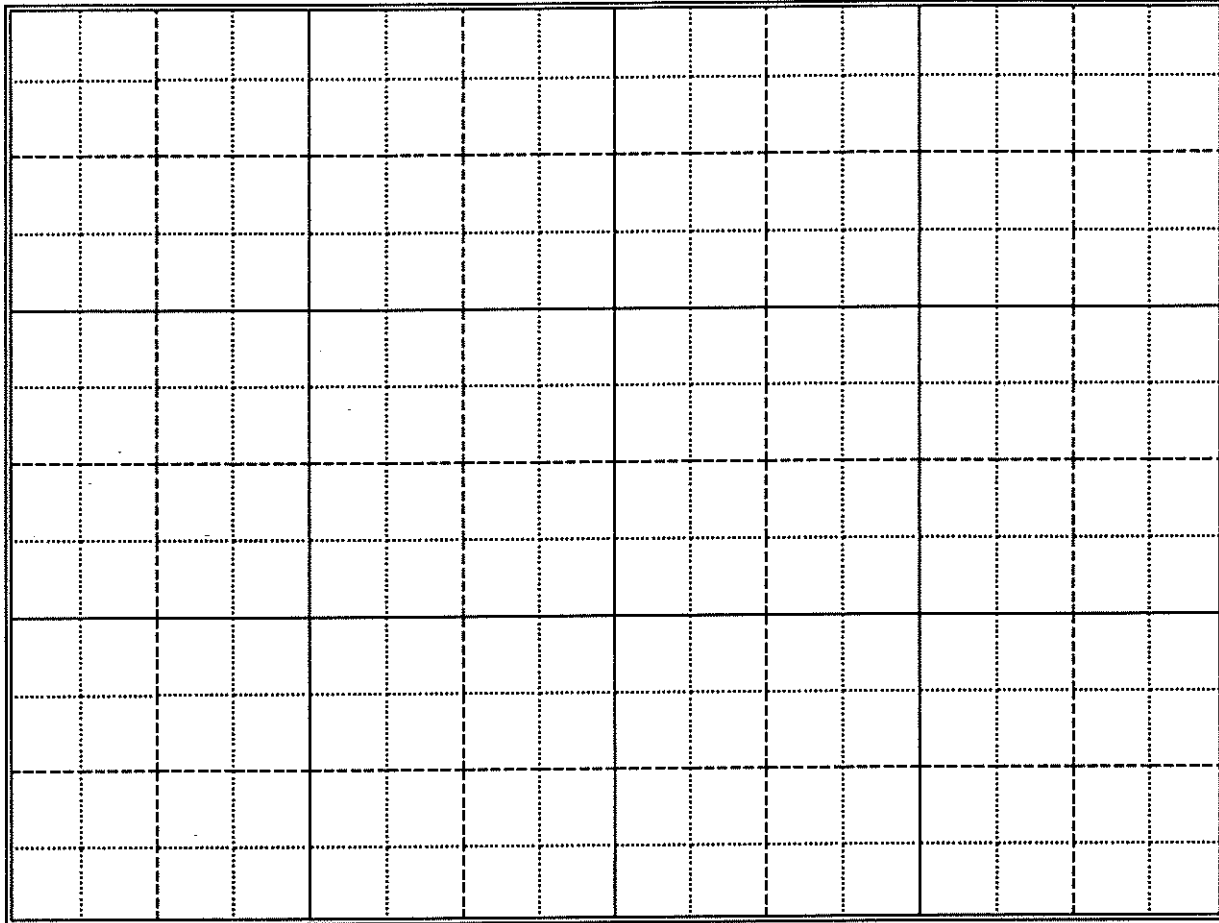
2. Other water rights with the same point of diversion:

1. Point(s) of Diversion: This is the "Bitton" well

Indicate Method of Determination

[illegible]

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



Scale: 1" = _____

2 photos taken

____ 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
		10			

*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
Micrometer Meter			MA	NA		

2. Measurements: Larry Said Micrometer Meter shows 120 gpm when pumping. Existing GPS Tag E0007735.
Submerged pump Larry Said 10 Hp. No Serial #

E. NARRATIVE/REMARKS/COMMENTS

GPS 2647912 Waypoint ID
1772508 298226

PSI 65 ~~90~~ at Highest when running

Static water 60 ft
≈ 160 feet Depth of well

This is only well for city which supplements
water from crystal springs

Well Pumps to 300,000 gal tank.

Fronsen (Maverick well drilling) is 2002 or 3

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

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\text{None}}$$

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

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

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			_____	_____

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 _____ Date _____

Reviewer _____ Date _____

SEAL

29- 8226



pump house



well site

Comment Report

29-8226

1. tgalbraith 1/26/2007 Field Report Narrative

Comment: Larry and Ike Orgill accompanied Skip and I on 1-25-07

The well at the time of inspection had froze and busted a valve. It was not operational.

There was a Micrometer Meter on the pipe and Larry said it shows about 120 gpm when in use.

This is the only City well in operation according to Larry.

This well supplants Crystal Springs which is the main water source for the town.

This spring fills a 300,000 Gallon Tank.

The well when in use also pumps to this storage tank which then supplies the town with water.

Larry said when running the most pressure they get is 65 PSI

Static water is at 60 Ft

Well is about 160 Ft deep.

Well was drilled in 2002 or 2003 by Fransen (Maverick Well Drilling)

GPS tag existed from DEQ # E0007735

GPS Reading Northing 2647912 Easting 1272508

Need to contact Maverick Drilling or look on our database for a Well Log to find pumping depth and other specs.

2. narave 4/20/2007 POD

Comment: Updated shape

3. narave 4/20/2007 POU

Comment: Updated Shape

4. narave 4/20/2007 POU

Comment: Updated PLS

5. narave 4/23/2007 POU overlap

Comment: The overlapping POUs with this water right are:

29 4085

29 66

29 13250

29 224

29 11898

29 13431

29 13432

29 13433

29 7370

29 10075

29 13224

29 2544

29 2544
29 7469
29 13357
29 194
29 10076
29 195G
29 195E
29 57
29 13311
29 13317
29 7370
29 7247
29 13337
29 13338
29 7834
29 195H
29 9
29 12120
29 7174
29 7430
29 133357
29 195C
29 58
29 11122
29 12018
29 57
29 12018

6. SCURTIS 2/10/2000 AMENDMENT OF PERMIT

Comment: An application for amendment of permit was filed 11/99 to change the point of diversion under this right.

7. VAULT 7/7/2000 Lapse Notice Sent

Comment: Lapse Notice Sent

8. MFOSTER 7/20/2000 Extension of Time Received

Comment: Extension of Time Received

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	29 4025A	RUSSELL L KELLER,	UNNAMED STREAM	09S36E2										X							0
Right	29 4025A	RUSSELL L KELLER,	UNNAMED STREAM	09S36E2										X							0
Right	29 13224	CITY OF MC CAMMON,	CRYSTAL SPRINGS	09S36E2															X		0
Right	29 224	CITY OF MC CAMMON,	CRYSTAL SPRINGS	09S36E2															X		0
Right	29 2045B	RUSSELL L KELLER,	UNNAMED STREAM	09S36E2												4					4
Right	29 13369	RICHARD J DAVIS, MARSHA DAVIS,	UNNAMED STREAM	09S36E2	X																0
Right	29 13433	JERRE TEWS, SHANNON TEWS,	UNNAMED STREAM	09S36E2													0.3			9.3	9.6
Right	29 11104	RUSSELL L KELLER,	GROUND WATER	09S36E2																	0
Right	29 65A	RICHARD J DAVIS, MARSHA DAVIS,	PORTNEUF RIVER	09S36E2													4.2				4.2
Right	29 13370	RICHARD J DAVIS, MARSHA DAVIS,	UNNAMED STREAM	09S36E2	X																0
Right	29 2544	CHEVRON OIL CO, STANDARD OIL CO OF CALIFORNIA,	GROUND WATER	09S36E2															X		0
Right	29 11104	RUSSELL L KELLER,	GROUND WATER	09S36E2																	0
Right	29 7038	UNITED STATES OF AMERICA ACTING THROUGH,	GROUND WATER	09S36E2										X							0

[illegible]

Type	WR #	Owner	Source	TRS	NENE	NWNE	SYNE	SENE	NENW	NNWN	SWNW	SENW	NESW	NWSW	SWSW	SESW	NENE	NWSE	SWSE	SESE	Total
Right	29 194	NEPHI LILENQJIST, H HAWKS, J W HOWELL, REUBEN HANSEN, LEO J HANSEN,	CRYSTAL SPRINGS	09S36E12 X	X		X										X				0
Right	29 10076	DARLENE G KINGHORN, WILLIAM L KINGHORN,	HARKNESS CREEK	09S36E12		1.1		18.1													0
Right	29 1956	THOMAS E PHILLIPS, GINNY M PHILLIPS,	HARKNESS CREEK	09S36E12			2.6	0.1													21.7
Right	29 195D	SILVIA JM LOCKYER,	HARKNESS CREEK	09S36E12		1.3		6.2													7.5
Right	29 195E	RICHARD LOCKYER, SILVIA JM LOCKYER,	PORTNEUF RIVER	09S36E12			X					X	X	X	X	X					0
Right	29 57	MC CAMMON DITCH CO LTD,	PORTNEUF RIVER	09S36E12								X	X	X	X	X					0
Rec	29 13311	MC CAMMON DITCH CO LTD,	PORTNEUF RIVER	09S36E12			X					X	X	X	X	X					0
Rec	29 13317	MC CAMMON DITCH CO LTD,	PORTNEUF RIVER	09S36E12			X					X	X	X	X	X					0
Right	29 7370	CITY OF MC CAMMON,	GROUND WATER	09S36E12 X			X		X		X	X	X	X	X	X					0
Right	29 7247	MICHAEL JAY, TEAGANE JAY,	PORTNEUF RIVER	09S36E12				X									X				0
Right	29 13337	MONTE R FIELD, PAMELIA FIELD,	UNNAMED STREAM	09S36E12					5.5												5.5
Right	29 13358	MONTE R FIELD, PAMELIA FIELD,	GROUND WATER	09S36E12				5.5													5.5
Right	29 7834	CITY OF MC CAMMON,	HARKNESS CREEK	09S36E12				12													0
Right	29 195H	SILVIA JM LOCKYER,	GROUND WATER	09S36E12																	0
T.Claim	29 7370	CITY OF MC CAMMON,	CRYSTAL SPRINGS	09S36E12			X	X	X	X	X	X	X	X	X	X					0
Right	29 13224	CITY OF MC CAMMON,	CRYSTAL SPRINGS	09S36E12			X	X	X	X	X	X	X	X	X	X					0
Right	29 224	CITY OF MC CAMMON,	PORTNEUF RIVER	09S36E12			X		X	X	X	X	X	X	X	X					0
Right	29 9	UNION GRAIN & ELEVATOR CO.,	GROUND WATER	09S36E12																	0
Right	29 12120	GARY L SKEEM, SHARON SKEEM,	PORTNEUF RIVER	09S36E12				X													0
Right	29 7174	MICHAEL JAY, TEAGANE JAY,	GROUND WATER	09S36E12			X														0
Right	29 7430	REITSEL CORP,	UNNAMED STREAM	09S36E12			6		8	25	30	7				9					104
Right	29 13357	H REED CAMMACK,	GROUND WATER	09S36E12																	0
Right	29 7430	REITSEL CORP,	PORTNEUF CREEK	09S36E12			X														0
Claim	29 13317	MC CAMMON DITCH CO LTD,	HARKNESS CREEK	09S36E12					30.6		13.3		9	6	19						92.3
Right	29 195C	ROSE F PRIESTLY,	PORTNEUF RIVER	09S36E12	31.5	0.5		2.3					X	X	X	X					34.3
Right	29 58	MC CAMMON DITCH CO LTD,	PORTNEUF RIVER	09S36E12			X		X	X	X	X	X	X	X	X					0

[illegible]

Type	WR #	Owener	Source	TRS	NENE	MWNE	SWNE	SENE	NNNW	NNNW	SWNW	SENW	NESW	MWSW	SWSW	SESJW	NESE	MWSE	SWSE	SESE	Total
Right	29 2099	JOHN HEALY	SPRING	09S37E7																	20
Right	29 1939	SILVA J LOCKER	HARKNESS CREEK	09S37E7										0.4							0.4
Right	28 1967	NEPHI LLENDUST, H HAWKS, J W HOWELL, REUBEN HANSEN, LEO J HANSEN,	CRYSTAL SPRINGS	09S37E7					X					X							0
Right	29 1287	ENNIE R GUNTER, JOHN C MARLEY,	CRYSTAL SPRINGS	09S37E7													X				0
Right	29 1956	THOMAS E PHILLIPS, GINNY M PHILLIPS,	HARKNESS CREEK	09S37E7					1.5	18				12							31.5
Right	28 2224	CITY OF MC CANIMON,	CRYSTAL SPRINGS	09S37E7					X					X							0
Right	29 195C	ROSE F PRIESTLY,	HARKNESS CREEK	09S37E7										X							0.5
Right	29 13224	CITY OF MC CANIMON,	CRYSTAL SPRINGS	09S37E7					X					X							0

Type	VR #	Owner	Source	TRE	NENE	NNNE	SWNE	SENE	NENW	NNNW	SWNW	SENW	NESW	RWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	29 194	NEPHI LILJENDQUIST, H.HAWKS, J.W HOWELL, REUBEN HANSEN, LEO J HANSEN,	CRTISTAL SPRINGS	09S37E18					X												0
Right	29 2066	JAMES L MC DOWELL,	PORTRNEUF RIVER	09S37E18																	7
Right	29 7370	CITY OF MC CAMMON,	GROUND WATER	09S37E18 X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	0
Claim	29 13317	MC CAMMON DITCH CO LTD,	PORTEUR CREEK	09S37E18						15	39	5	28	37	39.8	23					166.8
Right	29 7834	CITY OF MC CAMMON,	GROUND WATER	09S37E18																	0
Right	29 58	MC CAMMON DITCH CO LTD,	PORTEUR RIVER	09S37E18					X	X	X	X	X	X	X	X					0
Right	29 57	MC CAMMON DITCH CO LTD,	PORTEUR RIVER	09S37E18					X	X	X	X	X	X	X	X					0
Rec	29 13311	MC CAMMON DITCH CO LTD,	PORTEUR RIVER	09S37E18					X	X	X	X	X	X	X	X					2
Right	29 20064	JAMES L MC DOWELL,	PORTEUR RIVER	09S37E18					X	X	X	X	X	X	X	X					2
Rec	29 13317	MC CAMMON DITCH CO LTD,	PORTEUR RIVER	09S37E18					X	X	X	X	X	X	X	X					0
Tclaim	29 7370	CITY OF MC CAMMON,	GROUND WATER	09S37E18					X												0
Right	29 13224	CITY OF MC CAMMON,	CRYSTAL SPRINGS	09S37E18					X	X	X	X	X	X	X	X					0
Right	29 224	CITY OF MC CAMMON,	CRYSTAL SPRINGS	09S37E18					X	X	X	X	X	X	X	X					0