

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-11723

Exam Date: 6/6/2012

1. Current Owner: VICKY KRAMER
1288C SOUTHSIDE BLVD
MELBA ID 83641
(208)495-2635

Or

KELLY KRAMER
1288 C SOUTHSIDE BLVD
MELBA ID 83641
(208)495-2635

2. Accompanied by: Kelly Kramer
Phone No: same
Address:
Relationship to Permit Holder: same

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Canal company shares
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NE1/4SW1/4 Sec. 25, Twp 01N, Rge 02W, B.M.
CANYON County

Method of Determination: GPS and ArcMap

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	
01N	02W	25									37.0	34.0							71.0

Total Acres: 71

Method of Determination: Field exam and ArcMap

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.

Well or Diversion

<u>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>
	Hichchi Ltd	60	689 296E		6 Inch discharge

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment

<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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Theoretical calculation only

2. Measurements:

Well test based upon a 227 ft water level and run for 48 hours produced 1.56 cfs

$$\frac{(\underline{60})\text{Hp} * 8.8 * 0.7}{(\underline{10})\text{PSI} * 2.31) + 225 \text{ ft}} = \underline{1.49} \text{ cfs}$$

Permit Rate (irr)	=	<u>1.60 cfs</u>
Proof Pd (\$__\$125.00) (max cfs)	=	<u>2.00 cfs</u>
Found POU acres <u>71</u> * 0.02 cfs/ac	=	<u>1.42 cfs</u>

E. FLOW CALCULATIONS

Measured Method:

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

V I.R.	= (Acres Irrigated) x (Irrigation Requirement) =	71 ac * 4.5 af	= <u>319.5 afa</u> Recommendation
V D.R.	= [Div Rate (cfs)] x (Days in Irr season) x 1.9835 =	1.42 cfs * 260 days * 1.9835 =	<u>732.3 afa</u>

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

The system is a 60 Hp well delivering water to the POU via open discharge through a 6 inch pipe 36 ft from the well. The water can be diverted either east or west from that point in open ditches. The mainline line also Ts at that point with another leg crossing the ditch and tying into an underground pipeline running east to the southeast corner of the POU. Water is applied from field ditches to the POU via siphon tubes. A small lift pump near the farmstead can lift water out of a farm ditch to irrigate the area around the home. There are three un-irrigated parcels within the permitted POU. Each parcel is from 2 to 2.5 acres in size. One is along the northern border of the POU and centered east-west. One is a triangular parcel at the well site. And the third parcel is east of the home and mainly consists of corrals and barns. Mr. Kramer thought that the well produced approximately 75 inches (1.50 cfs).

The permit listed 2 forty acre tracts, however only one well was drilled. At the time the application was completed the applicant was not sure which forty acre tract the well was going to be drilled in. Notes in the electrical control panel indicated that the dynamic water level was 225 ft and that the pump was set at 325 ft. The notes indicated that a new 60 Hp pump was installed in 1994. The well log indicates that a pump test based upon a static water level of 227 ft produced 700 gpm (1.56 cfs) over 48 hrs. Although the well test likely was not the same system installed it indicates that the theoretical calculation is reasonable.

The permit was approved with an irrigation season of 3-15 thru 11-15. I am recommending the current season which is 3-1 thru 11-15.

I am recommending that the measurement and reporting conditions be changed to 01M as discussed with Steve Lester.

The permitted water bearing zone was 227 ft through 368 ft. Based upon the well log water was found in nine zones between 272 ft and 370 ft.

Have conditions of permit approval been met? X 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	03/01 to 11/15	1.420 CFS	319.50 AF
	<u>Totals:</u>	1.420 CFS	319.50 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

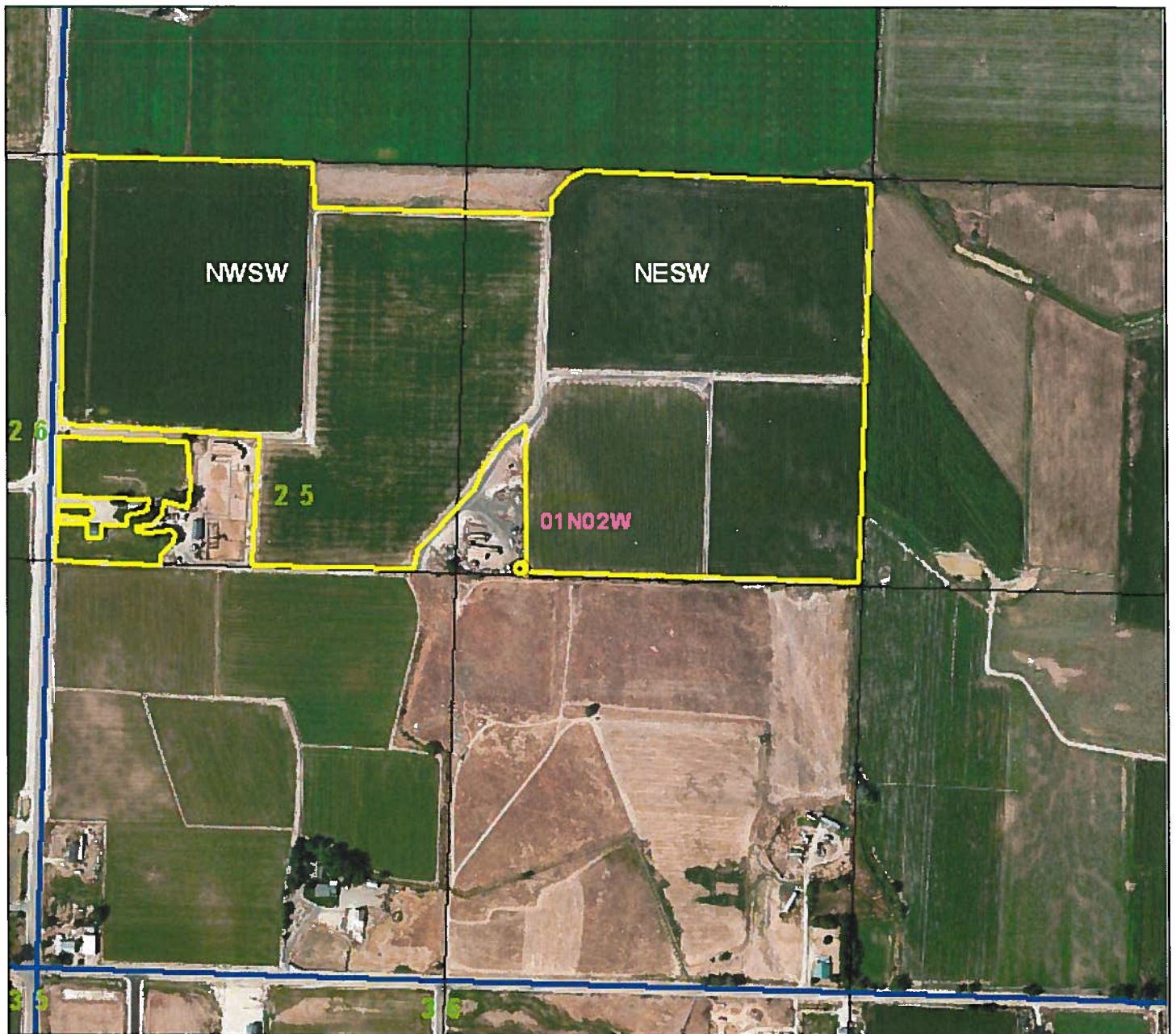
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Kelly K. Christensen Date 6-11-12

Reviewer _____ Date _____

63-11723 LICENSING PLACE OF USE



0 660 1,320
Feet

★ LOCATION IN BASIN

PLACE OF USE
TWP 01N, RNG 2W
Data Entry on June 11, 2012



- Found point of diversion
- Found place of use
- Township lines
- Section lines
- Quarter/quarter lines

**GIS PLACE OF USE PRESENTATION
2011 AERIAL PHOTOGRAPHY
BY KELLY K CHRISTENSEN**

Basin 63



4/2011

IDAHO DEPARTMENT OF WATER RESOURCES
FIELD EXAMINERS
WELL INSPECTION FORM

1. IDENTIFICATION # _____ (Tag #, etc.)

OTHER APPLICABLE # 63-11723 (Water right #, etc.)

2. OWNER Kelly Kramer Phone _____

Address 1288C Southside BLVD City Melba

State Id Zip 83641 Email _____

3. WELL LOCATION (GPS required in Degrees Decimal Minutes – use PLS if GPS not available)

Lat. _____ Long. _____

Twp 1N Rge 2W Sec 25 $\frac{1}{4}$ NESW $\frac{1}{4}$

4. WELL CONSTRUCTION ☐ Well log attached ☐ Well log not found

Any obvious construction problems that may be a source for contamination or waste? ☐ Yes ☒ No

If yes, describe below &/or see attached (list any that apply): ☐ Photos ☐ Diagram ☐ Other

5. HYDROLOGIC INFORMATION

Static water if measured _____ ft. Water temperature if measured _____ °F

Flowing artesian ☐ Yes ☐ No Pressure if measured _____ psi

NOTES _____

INSPECTED BY Kelly K. Christensen DATE 6-6-2012

Permit # 63-11723

Exam date _____

Agent _____ KKC

Aerial photo date 2011

Twp Rng Sec QQ

1N 02W 25

No Gvt lots



Part of P/24?
GW system?



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FIELD EXAM Photos

Agent KKC

Photo set 1

You are looking north on the left to northeast on the right. This shows the POU Northeast of the well.



Photo set 2

You are looking east in this photo at the well and pipeline to the farm ditch. At the point of discharge the water can be carried east in an open ditch, west in a short buried tile to an open ditch system, or can be tied into a portable mainline also running east to the eastern most side of the POU.

63-11723

60 HP Sub. (Crown?) Eflam date 6-6-12

Pump set @ 200

static $\approx$ 160'

open discharge

pumps around 75"

water 225

Pump @ 325

60 HP Hitachi Ltd note on panel

ser 689 296E new motor in 94

14" well

Leas. Portable mainline

36'

Pipe line runs east
southeast to ditch

GPS #3

6"

14"

casing

21"

east west

2010

cement
ditch
low