

FINAL EXAM 2012

Permit No: 22-7699

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STATE OF IDAHO DEPARTMENT OF WATER RESOURCES BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 22-7699

Exam Date: 8/13/1997

- Current Owner: KYLE BYBEE
12096 S SNAKE RIVER RD
REXBURG ID 83440
(208)356-6156

- Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

- Other water rights with the same place of use:

SUNNYDELL CANAL

- Other water rights with the same point of diversion:

NOPE

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER

NE1/4SE1/4

Sec. 16, Twp 04N, Rge 40E, B.M.

MADISON County

Method of Determination:

GPS

2.

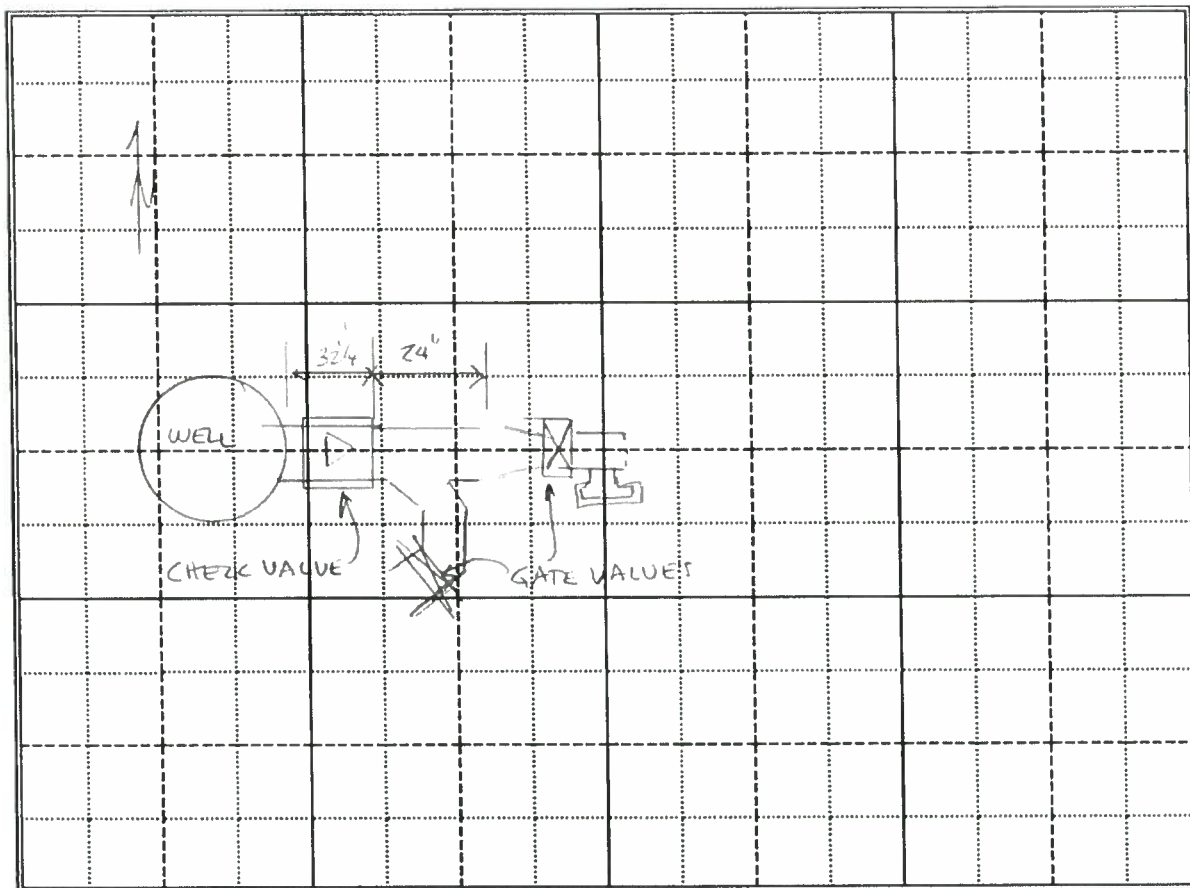
PLACE OF USE:

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	
04N	40E	15							22.0				37.0						59.0
04N	40E	16			6.0	36.0									38.0	11.0			91.0
																L 2			

Total Acres: 150

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
	GE	100	NYJ131135	Pardoll	F20827

*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: THEORETICAL POLYSONIC IN 2001
found 1010 gpm or 2.25 CFS

PCC EXAM

NORTH / EAST DISTRICT

EXAM DATE: 8/16/01EXAMINER'S SIGNATURE M. HOLLIDAY / R. WARNERNAME: Kyle BybeeSITE TAG# A0008370RECORD # 200408EXAM COMPLETE: (Y) / NSTANDARD CONFIDENCE: E (G) F P

KILO-WATT HOUR METER

UTILITY Fall River
 POLE NO. _____
 METER MFG# D3B3
 METER S/N 103 864 661
 DISK CONST (KH) 21.6
 MULTIPLIER 1

LEGAL:

KW-A 78.2 GPM 1010 PCC 1420 PSI 90 % 100
 DESCRIPTION COND #1 Hand lines (6)

PCC_AF_QAL

- Z ZERO PUMPAGE
(1) SIMPLE, NO TRACKING
2 COMPLEX, NO TRACKING
 REQUIRED.
3 TRACKING REQUIRED
 & PROVIDED
4 TRACKING REQUIRED,
 BUT NOT PROVIDED
5 COMPLEX, EXAM
 INCOMPLETE
6 KNOWN DATA PROBLEM
7 PCC MEASURED @
 Q-METER VERIF.
8 LOW PCC WHERE
 Q-METER IS REQUIRED
 BUT NOT INSTALLED
9 CALCULATED OR
 ESTIMATED PCC

KW-B _____ GPM _____ PCC _____ PSI _____ % _____
 DESCRIPTION COND #2 _____

KW-C _____ GPM _____ PCC _____ PSI _____ % _____
 DESCRIPTION COND #3 _____

KILOWATTS OF ENERGY CONSUMED COND #1

N= 30 (No. of Disc Rev) Time (sec): (29.75) + (29.80) + (29.98) / 3 = Avg

3.6 x 21.6 (Kh) x 1 (Mult) x 30 (N) / 29.84 (T) = 78.2 KW

PCC COND#1 = 78.2 (KW) X 5431 / 1010 GPM = 420 (KWh/ac.ft)

KILOWATTS OF ENERGY CONSUMED COND#2

N= _____ (No. of Disc Rev) Time (sec): (_____) + (_____) + (_____) / 3 = Avg

3.6 x _____ (Kh) x _____ (Mult) x _____ (N) / _____ (T) = _____ KW

PCC COND#2 = _____ (KW) X 5431 / _____ GPM = _____ (KWh/ac.ft)

KILOWATTS OF ENERGY CONSUMED COND#3

N= _____ (No. of Disc Rev) Time (sec): (_____) + (_____) + (_____) / 3 = Avg

3.6 x _____ (Kh) x _____ (Mult) x _____ (N) / _____ (T) = _____ KW

PCC COND#3 = _____ (KW) X 5431 / _____ GPM = _____ (KWh/ac.ft)

N NO PCC
 Q OTHER, SEE EXAM NOTES
 CHANGES TO SYSTEM Y / N
 NOTES:

Kwh = 10255

Kw = 80.73

Disfaller

100 hp.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 130 \times 3.5 = 525$$

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

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

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

well/pump to sprinklers . 100 hp GE motor pearless pump.
 has surface water from sunnydell canal
 in water district 100.measured at 2.25 cfs by wd employees 2001

WMIS 200408

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	2.250 CFS	525.00 AF
<u>Totals:</u>		2.250 CFS	525.00 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 DAVE CARLSON Date 5/7/2012

Reviewer _____ Date _____



22-7699