

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 21-12840

Exam Date: 10/4/2007

1. Current Owner: JAMES HANSEN
2107 ROSS AVE
IDAHO FALLS ID 83406
(208)522 4217
2. Accompanied by: Unaccompanied
Phone No:
Address:
Relationship to Permit Holder:

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NONE
2. Other water rights with the same point of diversion: NONE

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

GROUND WATER

NW1/4SW1/4

Sec. 14, Twp 14N, Rge 43E, B.M.

FREMONT County

Method of Determination: GPS

2.

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	
14N	43E	14											X						

Method of Determination: Taxlots in ArcView

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>
D0021469		1			

*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:

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method:

Theoretical Pump calculations show that the well can produce ~0.04 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: 1 home @ 0.6 AF for in house and 0.6 AF for irrigation is 1.6 AFA.

G. NARRATIVE/REMARKS/COMMENTS

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

H. RECOMMENDATIONS**1. Recommended Amounts**

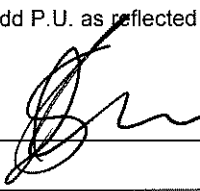
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.6 AFA
<u>Totals:</u>		0.040 CFS	1.6 AFA

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 Joseph Larsen  Date October 24, 2007

Reviewer _____ Date _____

Comment Report

21-12840

1. jlarsen 10/24/2007 Field Report Narrative
Comment: Single 1 HP pump to a single residence. The property has a cultivated lawn growing around the home.
2. jlarsen 10/24/2007 POU Overlap Analysis
Comment: No POUs overlap QQs.
3. jlarsen 10/24/2007 POD
Comment: Updated shape
4. jlarsen 10/24/2007 POD
Comment: Updated PLS
5. jlarsen 10/24/2007 POU
Comment: Updated Shape
6. jlarsen 10/24/2007 POU
Comment: Updated PLS

Form 238-
1/97

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

Office Use Only		
Inspected by		
Twp	Rge	Sec
1/4	1/4	1/4
Lat	Long	

1. WELL TAG NO. D 0021469
 DRILLING PERMIT NO. 7-70652
 Other IDWR No. _____

2. OWNER:
 Name JAMES HANSEN
 Address 2107 Ross Ave
 City Idaho Falls State ID Zip 83406

3. LOCATION OF WELL by legal description:
 Sketch map location must agree with written location.

	Twp. <u>14</u>	North ☒ or South ☐
	Rge. <u>14</u>	East ☒ or West ☐
	Sec. <u>14</u>	NE 1/4 NW 1/4 SW 1/4 SE 1/4
	Gov't Lot _____	County <u>Fremont</u> (10 acres)
Lat: _____		Long: _____
Address of Well Site <u>4537 Cobble</u>		City <u>Island Park</u>

(Give a road name or road - Distance to Road or Landmark)

LT. _____ Blk. _____ Sub. Name _____

4. USE:
☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)
☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD
☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From	To	Stops or Pounds	
Bentonite	0'	86'	40 Sacks	Overturn

Was drive shoe used? ☒ N Shoe Depth(s) 86'
 Was drive shoe seal tested? ☒ N How? Pressure

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	1.2	86'	250	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS
 Perforations Method N/A
 Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:
32 ft. below ground Artesian pressure _____ lb.
 Depth flow encountered _____ ft. Describe access port or control devices: _____

11. WELL TESTS:

☐ Pump	☐ Bailor	☐ Air	☐ Flowing Artesian
Yield gal/min.	Drawdown	Pumping Level	Time

Water Temp. _____ Bottom hole temp. _____
 Water Quality test or comments: _____
 Depth first Water Encounter _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	5	Dirt		X
1	5	33	Sand & Gravel		X
1	33	56	Sand & Gravel	X	
10	56	86	Rhyolite		X
1	86	130	Rhyolite		X
10	130	140	Crushed Rhyolite	X	

** Well Completed for better water work **

RECEIVED
 NOV 07 2001
 Department of Water Resources
 Eastern Region

Completed Depth 140' (Measurable)
 Date: Started 10-20-01 Completed 10-24-01

13. DRILLER'S CERTIFICATION
 I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
 Company Name Village Well Drilling Firm No. 383
 Firm Official Randy Alden Date 10/24/01
 and Ray Villman Date 10/31/01
 Driller or Operator: _____ (Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

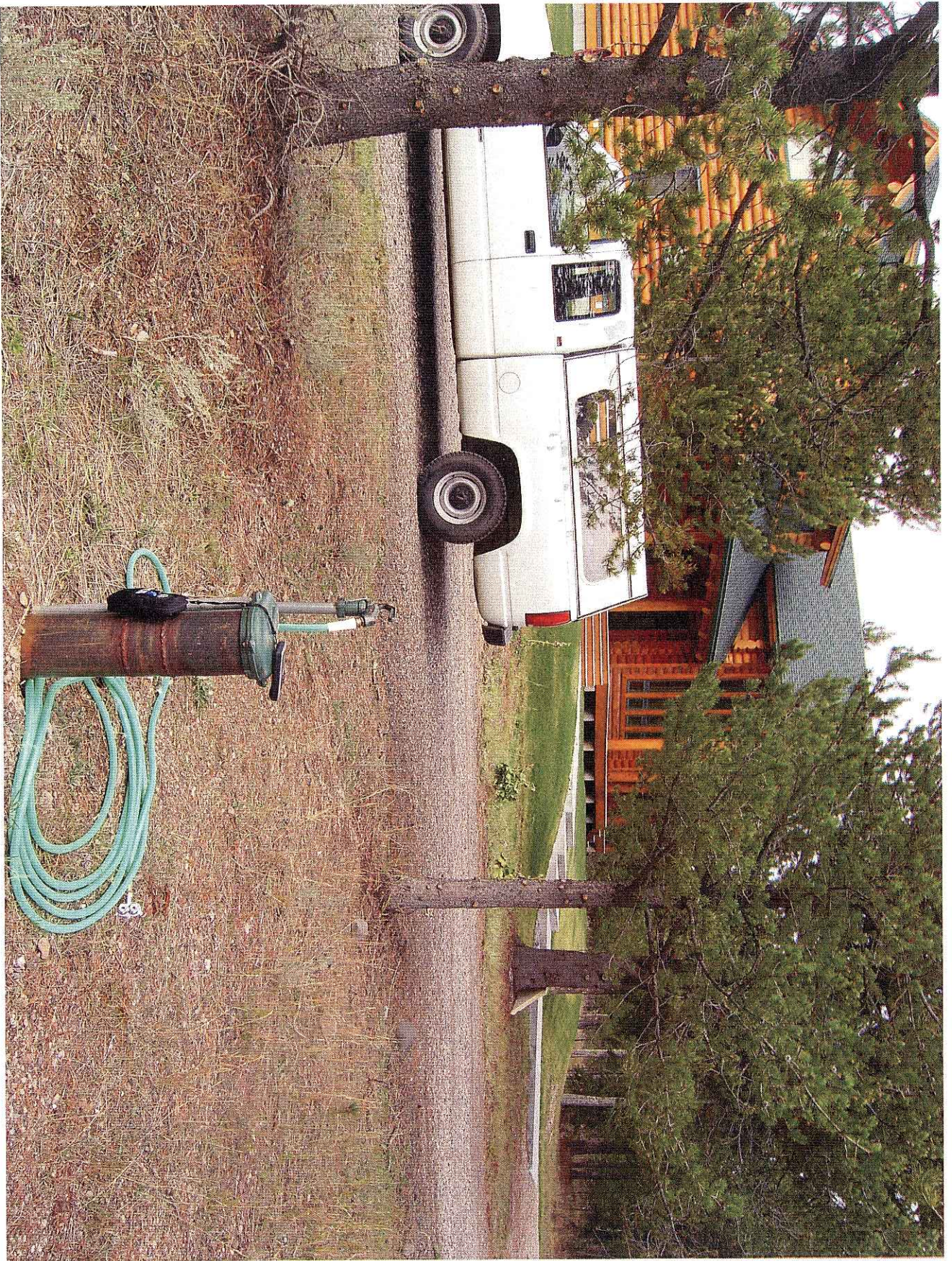












Theoretical Pump Flow Calculation	
$Q = [(Hp) * (8.814) * (eff)] / [Lift + (psi * 2.308)]$	
Permit No. 31-11737	
Hp = horsepower =	1
Eff = efficiency =	0.7
Lift =	32
PSI = Pressure =	50
Q =	0.04

Lift = Static water level + assumed draw down
or
Measured dynamic water level

Type	WR #	Owner	Source	TRS	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total
Right	21 2081	LLOYD MICKELSEN,	SEILER RESERVOIR	14N43E14					40	40	40	22									142
Right	21 4095	LLOYD MICKELSEN,	SOUTH SAWTELL CREEK	14N43E14								23	40				X	X			63
Right	21 11235	STATE OF IDAHO,	SPRING	14N43E14																	0
Claim	21 2081	MICKELSEN 7 RANCH,	DEEP CREEK, SEILER RESERVOIR, SOUTH SAWTELL CREEK	14N43E14					40	40	40	22									142
Permit	21 12840	JAMES HANSEN	GROUND WATER	14N43E14										X							0
Rec	21 2081	MICKELSEN 7 RANCH,	DEEP CREEK	14N43E14					17	40	40	40									137
Right	21 4096	MICKELSEN 7 RANCH,	SAWTELL CREEK	14N43E14					17	40	40	40									137
Permit	21 13014	GARY DAWSON,	GROUND WATER	14N43E14												X					0