

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 31-11736

Exam Date: 9/21/2007

1. Current Owner: DAVE & KATHERINE VANCE TRUST
1085 PACKER DR
BLACKFOOT ID 83221
(208)785-1796
2. Accompanied by: Dave Vance
Phone No: same as owner
Address: same as owner
Relationship to Permit Holder: Trustee

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

SE1/4NE1/4

Sec. 12, Twp 13N, Rge 36E, B.M.

CLARK 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	
13N	36E	12													X				

PLACE OF USE: STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
13N	36E	12													X				

Method of Determination: NAIP 2004 GPS

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>
708998		1/2			

*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: limited by the capacity of the system

E. FLOW CALCULATIONS

Measured Method:

☒ Additional Computation Sheets Attached

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: 150 range 350 sheep 6 horses 6.1 afa, 1 home w/irrigation 1.2 afa for 7.3 afa total

G. NARRATIVE/REMARKS/COMMENTS

well to pipe to 60 gallon storage tank to home 1/2 hp pump

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	0.030 CFS	1.20 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	6.10 AF
<u>Totals:</u>		0.030 CFS	7.30 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 Nate Arave Date 9/21/2007

Reviewer Nate Arave Date 9/24/07

Comment Report

31-11736

1. narave 9/24/2007 Field Report Narrative

Comment: well to pipe to 60 gallon storage tank to home 1/2 hp pump

2. narave 9/24/2007 POD

Comment: Updated shape

3. narave 9/24/2007 POU

Comment: Updated Shape

4. narave 9/24/2007 POU

Comment: Updated Shape

5. narave 9/24/2007 POU

Comment: Updated Shape

6. narave 9/24/2007 overlap analysis

Comment: none

7. dgibson 6/3/2005 Extension of Time

Comment: Extension of time granted extending the proof due date to 4/1/2006, based on due diligence.

Type	WR #	Owner	Source	TRS	NENE	INWNE	SWNE	SENE	NEWW	INWW	SWWW	SEWW	NESW	INWSW	SWSW	SESW	INESW	INWSE	SWSE	SESE	Total
Right	31 10806	UNITED STATES OF AMERICA ACTING THROUGH,	MEADOW CREEK SPRING	13N36E12			X														0
Permit	31 11736	DAVE & KATHERINE VANCE TRUST,	GROUND WATER	13N36E12													X				0
Permit	31 11736	DAVE & KATHERINE VANCE TRUST,	GROUND WATER	13N36E12													X				0
Right	31 11736	DAVE & KATHERINE VANCE TRUST,	GROUND WATER	13N36E12													X				0
Right	31 11736	DAVE & KATHERINE VANCE TRUST,	GROUND WATER	13N36E12													X				0

Theoretical Pump Flow Calculation	
$Q = [(Hp) * (8.814) * (eff)] / [Lift + (psi * 2.308)]$	
Permit No. 31-11736	
Hp = horsepower =	0.5
Eff = efficiency =	0.7
Lift =	65
PSI = Pressure =	15
Q =	0.03

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

Form 238-7
6/02

DMD

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

Office Use Only
Well ID No. _____
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 _____ 1/4 _____ 1/4 _____
Lat: _____ Long: _____

1. WELL TAG NO. D 0027164 JUL 02 2003

DRILLING PERMIT NO. _____

Water Right or Injection Well No. _____ Department of Water Resources
Eastern Region

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
18			

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

2. OWNER:

Name David Vance 31

Address 1085 Packer Dr.

City Blackfoot State ID Zip 83221

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 13 North ☒ or South ☐

Rge. 36 East ☒ or West ☐

Sec. 12 1/4 NE 1/4 SE 1/4

Gov't Lot _____ County Clark

Lat: _____ Long: _____

Address of Well Site Porcupine Pass Area

City Spencer

(Give at least name of 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 _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	20	100*	Overbore

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

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6 +2	18	.25	Steel	☒	☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

13 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices: _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y
8	0	2	Top soil	
8	2	8	Boulders & Clay	
8	8	14	Sand, gravel	X
8	14	18	Granite (salt & pepper)	
6	18	25	Hard	
6	25	37	Firm	
6	37	45	Fractured	X
6	45	50	Hard	
6	50	57	Fractured	X
6	57	74	Hard	
6	74	85	Fractured	X

Completed Depth 85' (Measure)

Date: Started 6/9/03 Completed 6/9/03

14. DRILLER'S CERTIFICATION

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

Company Name Independent Drilling Firm No. 3

Principal Driller David Vance Date 6-13

and Driller or Operator II Mark Duffin Date 6-13

Operator I _____ Date _____

Principal Driller and Rig Operator Required.



Franklin Electric

MODEL DPH1000H2

HP 1/2

VOLTS 230



WARNING

CLIPPING
ORIGIN ENGINE
DISCONNECT
PUMP BEFORE
SERVICING

ADJUSTMENT

SHOCK PUMP UNIT
CLIPPING
PUMP
TO CLIPPING
PUMP / CLIPPING

ADJUSTMENT

CLIPPING
CLIPPING
TO CLIPPING
P. ADJUSTMENT
CLIPPING / PUMP
TO CLIPPING

DATE 10/10/00

10/10/00





