

BENEFICIAL USE FIELD EXAM CHECKLIST

Permit # 03-11801

EXAM FILE PREP

- ☒ Copy of original application for permit
- ☒ Copy of permit approval & proof report
- ☒ Copy of Proof of Beneficial Use
- ☒ n/a Copies of any Amendments/Assignments/Ownership Docs
- ☒ Exam Fee Required \$ 200 Exam Fee Paid \$ 175 * For limits rate to 4 cfs
- ☒ P/D Overlap Summary 63-10662 } 63-32989 # update
- ☒ P/U Overlap Summary 63-10662 } 63-32990 Calvary
- ☒ Other permits, same owner, need exam
- ☒ Aerial Photo
- ☒ Topo map
- ☒ BLM Gov't Lot (Section)
- ☒ Blank field report
- ☒ Well Inspection form
- ☒ Well log

ADDITIONAL INFORMATION/REMARKS/NOTES

new POD - permit condition - no "new well" authorized = no new
POD.

corrected season of use

PRE-LICENSING

(initial & date)

Fully completed & signed field report form

10-6-14

Draft license & shape done in Workflow

10-6-14

Exam-date data entered

10-6-14

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-11801

Exam Date: 8/21/2014

1. Current Owner: TAKASUGI SEED FARM LLC
17777 ALENDALE ROAD
WILDER ID 83676
(208) 484-4040

2. Accompanied by: SUZANNE TAKASUGI
Phone No: ABOVE
Address: ABOVE
Relationship to Permit Holder: SAME

3. SOURCETRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: ~~NONE~~ *Wilder Irr. District*
2. Other water rights with the same point of diversion: 63-32989

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

GROUND WATER

L4 SW1/4SW1/4

Sec. 18, Twp 04N, Rge 04W, B.M.

CANYON County

Method of Determination: AERIALS PHOTOGRAPHS, GARMIN GPS: N 43.67641, W - 116.86894

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
04N	04W	18					39.0	32.0	31.0	39.0	39.0	32.0							212.0
							L 1	L 2			L 3								

Total Acres: 212

Method of Determination: FIELD EXAM, AERIAL PHOTOGRAPHS

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</u> <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</u> <u>Size</u>
WELL	GE 2 PHASE	100	ENJ518446		

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<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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2. Measurements: NONE TAKEN

E. FLOW CALCULATIONS _____ Additional Computation Sheets Attached

Measured Method: SEE PUMP CURVE IN FILE

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 212 \times 4.5 = 954 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 4 \times 1.9835 \times 260 = 2062.8 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 954$$

2. Volume Calculations for Other Uses: not applicable

G. NARRATIVE/REMARKS/COMMENTS

The permit was issued for 4.8 cfs for the supplemental irrigation of 240 acres from groundwater. The irrigation is supplemental to Wilder Irrigation District shares. Permittee, Suzanne Takasugi, accompanied me on the exam. The point of diversion is a well [tag no. D0066150] completed in March 2014 that replaced the original well, drilled in 1988. The original well will be officially abandoned in 2014. See email from permittee regarding this. This is important because there is a permit condition stating that another well or POD is not authorized.

Water is pumped from the well through a 12-inch diameter buried pipe to the west side of the place of use. From the buried pipe, water is diverted into concrete ditches and flood irrigates the fields. Siphon tubes were seen in the concrete ditches the day of the exam.

The permittee provided a pump curve and other information necessary to interpret the pump curve. The information indicates that the pump is set at 300 feet, and there are five bowls, or stages in the 100 hp pump assembly. The pump curve indicates the pump can produce from 900 to 2000 gpm per stage. So, it is clear that the pump could produce the 4.8 cfs permitted. However, the quantity to be licensed is limited by the beneficial use fee paid, which was for 4 cfs. Hence, 4 cfs is recommended for licensing. Volume recommended for licensing is 954 af, the lesser of the Vir and Vdr calculations.

The permit was issued for 240 acres, however, three of the permitted quarter-quarters are government lots

and the quarter-quarters are less than 40 acres. So the place of use was adjusted accordingly, and 212 acres are recommended for licensing.

It appears from the ArcMap taxlot information that the permittee may own a part of 63-32989, which would be a POD overlap. The right is still in the name of Allendale Farms. There are multiple owners of the POU of the right and the status is unclear, so no combined use limits are recommended. The capacity of the well is more than sufficient to provide the additional water.

The season of use was changed to the current standard.

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

066 and 067 waived by supervisor. Use modified 01M:

After specific notification by the Department, the right holder shall install a suitable measuring device or shall enter into an agreement with the Department to use power records to determine the amount of water diverted and shall annually report the information to the Department.

H. RECOMMENDATIONS

- 1) Permit amount 4.8 cfs
- 2) Beneficial use limit 4.24 cfs
- 3) System measurement 4.45 cfs
- 4) Proof fee amount 4 cfs ** fee paid limits licensed rate to 4 cfs

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	4.000 CFS	954.00 AF
<u>Totals:</u>		4.000 CFS	954.00 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 Wing UNCC Date 10-6-14

Reviewer _____ Date _____



63-11801 -- Field exam photographs



Picture of well D0066150. GPS coordinates are N 43.67641, W -116.86894.



The well is a shared POD with 63-32989 and 63-32990, so, in addition to being piped underground for the supplemental irrigation of 63-11801, it can be piped into the concrete ditch and Wilder Irrigation canal, both located south of the well.



Looking east at the northernmost field that was planted in peas and already harvested.



Looking east at a field planted in alfalfa.

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0066150
Drilling Permit No. 965040 - 871099
Water right or injection well # 63-32989
2. OWNER: Takasugi Seed Farms LLC

Name _____
Address 17777 Allendale Rd
City Wilder State ID Zip 83676

3. WELL LOCATION:

Twp. 04 North ☒ or South ☐ Rge. 04 East ☐ or West ☒
Sec 18 10 acres 1/4 SW 40 acres 1/4 SW 160 acres 1/4

Gov't Lot _____ County Canyon
Lat. 43 40.583 (Deg. and Decimal minutes)
Long. 116 52.135 (Deg. and Decimal minutes)
Address of Well Site On Peckham Rd 1/8 mile east of
Allendale Rd City Wilder
(Give at least name of road + distance to road or landmark)
Lot. _____ Blk. _____ Sub. Name _____

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

5. TYPE OF WORK:
☐ New well ☒ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:
☐ Air Rotary ☐ Mud Rotary ☐ Cable ☒ Other Reverse Rotary

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite chips	0	430	37,500	Dry pour

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
16	+2	461	.375	Steel	☒	☐	☒
16	481	488	.375	Steel	☒	☐	☒
16	498	518	.375	Steel	☒	☐	☒

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

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____
Manufactured screen ☒ Y ☐ N Type Johnson Wire Wrap
Method of installation Lower in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
461	481	.030		16	Mild Steel	
488	498	.030		16	Mild Steel	
518	598	.030		16	Mild Steel	

Length of Headpipe _____ Length of Tailpipe 5'

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
10x20 Sand	430	600	27,000	Dry pour

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____
Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 62' Static water level (ft) 62'
Water temp. (°F) 64° Bottom hole temp. (°F) 62°
Describe access port 2" pipe on side

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
300	2,240	260	☒	☐	☐	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
24	0	9	Top soil		X
24	9	21	Caliche		X
24	21	32	River rock, sand		X
24	32	82	Brown clay, sm sand streaks	X	X
24	82	114	Fine - med sand, brown sandstone	X	
24	114	132	Sandstone, brown and blue clay		X
24	132	137	Fine blue sand	X	
24	137	303	Blue clay w/ sm blue sand streaks	X	X
24	303	333	Fine blue sand	X	
24	333	463	Blue clay w/ fine blue sand streaks	X	X
24	463	479	Fine - med blue sand	X	
24	479	489	Blue clay		X
24	489	496	Fine blue sand	X	
24	496	518	Blue clay w/ sm blue sand streak	X	X
24	518	573	Fine - med blue sand	X	
24	573	579	Blue clay		X
24	579	598	Fine blue sand	X	
24	598	608	Blue clay		X

RECEIVED

APR 09 2014

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 603'

Date Started: Jan 24, 2014 Date Completed: Mar 29, 2014

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 Riverside Inc Co. No. 333
*Principal Driller [Signature] Date 4/7/14
*Driller [Signature] Date 4/1/14
*Operator II _____ Date _____
Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PEN

OCT 07 1988

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

Pg 1

1. DEPARTMENT OF WATER RESOURCES

Name Phil Batt
Address Box 428 - Wilder, ID 83676
Owner's Permit No. 63-10662

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☐ Domestic ☒ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☒ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness Diameter From To
.250 inches 16 inches + 18" feet 94 feet
.250 inches 16 inches 114 feet 304 feet
.250 inches 16 inches 324 feet 463 feet
.250 inches 16 inches 483 feet 503 feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number From To
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet

Well screen installed? ☒ Yes ☐ No
Manufacturer's name Roscoe Moss

Type Wirewrap Model No. _____
Diameter 16 Slot size 040 Set from 94 feet to 114 feet
Diameter 16 Slot size 040 Set from 304 feet to 324 feet
Gravel packed? ☒ Yes ☐ No ☐ Size of gravel 3/8"
Placed from 18 feet to 573 feet

Surface seal depth 18' Material used in seal: ☐ Cement grout
☐ Bentonite ☒ Puddling clay ☐ _____

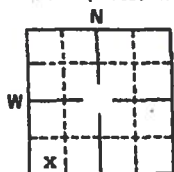
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent
Weld

☐ Cemented between strata
Describe access port 2"

6. LOCATION OF WELL

Sketch map location must agree with written description

County Canyon

Subdivision Name _____

APR 30 1996

Lot No. 4 Block No. _____SW ¼ SW ¼ Sec. 18, T. 4N N/S, R. 4W E/W.

7. WATER LEVEL

Static water level 14 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
1100	102'	
1400	119'	
1600	125'	
1809	131'	10 hrs.

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
28	0	10	Top Soil		
	10	15	Caleche		
	15	19	Caleche		
	19	23	Gravel		
	23	30	Cemented Gravel		
	30	45	Brn. Clay		
	45	66	Blue Clay		
	66	69	Fine Gray Sand		
	69	79	Sandstone - Very hard		
	79	119	Fine Black Sand		
	119	178	Blue Clay		
	178	180	Black Clay		
	180	202	Blue Clay		
	202	204	Black Clay		
	204	214	Blue Clay		
	214	221	Black Clay		
	221	244	Blue Clay		
	244	264	Blue Clay w/sm.amt.sand		
	264	276	Blue Clay w/Sand		
	276	294	Blue Clay		
	294	304	Blue Clay w/sm.amt. sand		
	304	314	Blue Clay w/strks. vry. fine sand.		
	314	324	Fine Blue Sand w/ Sand- clay.		
	324	334	Blue Clay w/ Sand Stks.		
	334	429	Blue Clay		
	429	432	Coarse blue sand & pea gravel.		
	432	466	Blue Clay		
	466	473	Fine blue sand-w/strks. pea gravel.		
	473	483	Fine blue sand.		
	483	493	Blue Clay		
	493	503	Blue clay/some fine sand		
	503	513	Blue Sand w/strks. of clay		

10. Work started 7/27/88 finished 7/31/88

11. DRILLERS CERTIFICATION

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

Pete Cope Drilling Co., Inc.
Firm Name _____ Firm No. 213
6505 West Chinden Blvd.
Address Meridian, ID 83648 Date 8/1/88

Signed by (Firm Official) Pete Cope
and
(Operator) George

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

October 10, 2014

TAKASUGI SEED FARMS LLC
17777 ALLENDALE RD
WILDER ID 83676

AND

NORTHWEST FARM CREDIT SERVICES FLCA
16034 EQUINE DR
NAMPA ID 83687

RE: Water Right Permit No. 63-11801

Dear Permit Holders:

The Department of Water Resources is reviewing the above referenced permit prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit.

We found that the examination fee for this permit was submitted for only 4.0 cfs. Our examiner found that your system could pump 4.45 cfs. If you wish to have the license issued for 4.24 cfs (0.02 cfs x 212 acres), you should submit an additional \$50.00 exam fee along with a late penalty fee of \$25.00. Please be advised that our Beneficial Use Examination Rules, IDAPA 37.03.02, License Examination Fee Rule 050.01.c, states:

c. A license shall not be issued for an amount of water in excess of the amount covered by the examination fee. Subsequent to the examination and prior to a license being issued, the Director will notify the permit holder that the licensed amount will be limited because an insufficient examination fee was paid. **The permit holder will be allowed thirty (30) days after the notice is mailed to pay the additional examination fee, along with a late payment penalty of twenty-five dollars (\$25) or twenty percent (20%) of the amount of the additional required fee whichever is more.** If payment is received within the thirty (30) day period, the rate or volume licensed shall not be reduced by reason of the examination fee. If payment is not received within the thirty (30) day period, the rate or volume licensed shall be limited by the original examination fee paid. For the purpose of determining advancement of priority for late fee as

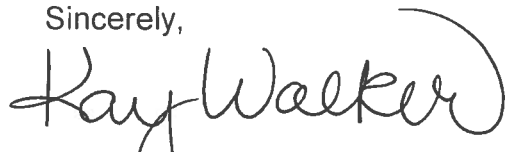
pd \$75.00
Receipt
W042584.
KW

provided in Section 42-217, Idaho Code, fees shall not be considered as having been paid until paid in full, including any subsequent fee. (7-1-93)

We will withhold issuance of the license for the next thirty (30) days to allow you time to submit the additional exam fee and late penalty fee (\$50.00 + \$25.00 = \$75.00). If you do not wish to have the additional 0.24 cfs on your license, you can choose not to pay the additional exam fee and your water right license will be limited to 4.0 cfs when finalized.

If you have any questions, please feel free to contact me at (208)334-2190.

Sincerely,



KAY WALKER
Sr. Water Resource Agent

Music, Vicky

From: Music, Vicky
Sent: Monday, October 06, 2014 11:46 AM
To: 'Suzanne Takasugi'
Subject: RE: Takasugi pump

Great - thanks for that information.

Vicky Music
Sr. Water Resource Agent
IDWR Western Region
208.334.2190

Please reply that you received this message.

-----Original Message-----

From: Suzanne Takasugi [mailto:takasugi@speedyquick.net]
Sent: Monday, October 06, 2014 11:38 AM
To: Music, Vicky
Subject: RE: Takasugi pump

Vicky-

We were delayed last spring in the capping of the old well because Riverside would have had to disturb the current crop to do so. The crop has been harvested and they have been notified that the abandonment can be completed at any time. I called and talked to Cody Daughtery this morning and he said they would try to get to it this week.

Suzanne Takasugi

On 10.06.2014 11:18, Music, Vicky wrote:

> Hi Suzanne -
> I'm working on the licensing of your permit and have a question. My
> notes are not complete about the original well. is that still
> operational or was it officially abandoned? I may have additional
> questions as I work through the process so, thank you.

>
> Vicky Music
> Sr. Water Resource Agent
> IDWR Western Region
> 208.334.2190

> Please reply that you received this message.

> -----Original Message-----

> From: Suzanne Takasugi [mailto:takasugi@speedyquick.net]
> Sent: Friday, September 19, 2014 11:42 AM
> To: Music, Vicky
> Subject: RE: Takasugi pump

Music, Vicky

From: Rory Walund [rory@rsicorp.net]
Sent: Friday, September 19, 2014 10:48 AM
To: Music, Vicky
Cc: terry@rsicorp.net
Subject: RE: Takasugi pump

Total head in feet per stage on #2 trim impeller is as follows. Let me know if this is what you are looking for.

900 GPM @ 49'
1200 GPM @ 46.5'
1500 GPM @ 42.5'
1800 GPM @ 32.5'
2000 GPM @ 25'

Rory

From: Music, Vicky [<mailto:Vicky.Music@idwr.idaho.gov>]
Sent: Friday, September 19, 2014 10:17 AM
To: Rory Walund
Subject: RE: Takasugi pump

To read the curve, the total head that each stage is rated for is needed, so still need that.

Vicky Music
Sr. Water Resource Agent
IDWR Western Region
208.334.2190

Please reply that you received this message.

From: Rory Walund [<mailto:rory@rsicorp.net>]
Sent: Friday, September 19, 2014 10:05 AM
To: Music, Vicky
Cc: takasugi@speedyquick.net
Subject: RE: Takasugi pump

Vicky,

Attached is the pump curve showing the pump info for Suzanne. Sorry it's been so long it has been really crazy around here. In case you have a hard time reading my hand writing this is the info below.

Pump Mfgr: Peerless
Model: 12 HXB
Stages: 5
Trim: #2 ---- 7 11/16" x 8 13/16"
HP: 100
300' Setting

Music, Vicky

From: Rory Walund [rory@rsicorp.net]
Sent: Friday, September 19, 2014 10:48 AM
To: Music, Vicky
Cc: terry@rsicorp.net
Subject: RE: Takasugi pump

Also shut off head per stage is 65.2'

From: Music, Vicky [<mailto:Vicky.Music@idwr.idaho.gov>]
Sent: Friday, September 19, 2014 10:17 AM
To: Rory Walund
Subject: RE: Takasugi pump

To read the curve, the total head that each stage is rated for is needed, so still need that.

Vicky Music
Sr. Water Resource Agent
IDWR Western Region
208.334.2190

Please reply that you received this message.

From: Rory Walund [<mailto:rory@rsicorp.net>]
Sent: Friday, September 19, 2014 10:05 AM
To: Music, Vicky
Cc: takasugi@speedyquick.net
Subject: RE: Takasugi pump

Vicky,

Attached is the pump curve showing the pump info for Suzanne. Sorry it's been so long it has been really crazy around here. In case you have a hard time reading my hand writing this is the info below.

Pump Mfgr: Peerless
Model: 12 HXB
Stages: 5
Trim: #2 ---- 7 11/16" x 8 13/16"
HP: 100
300' Setting

Thanks again,
Rory Walund
Riverside Inc.

From: Music, Vicky [<mailto:Vicky.Music@idwr.idaho.gov>]
Sent: Friday, September 19, 2014 9:22 AM
To: Rory Walund

Cc: takasugi@speedyquick.net

Subject: RE: Takasugi pump

Information due today.

Vicky Music
Sr. Water Resource Agent
IDWR Western Region
208.334.2190

Please reply that you received this message.

From: Rory Walund [<mailto:rory@rsicorp.net>]
Sent: Monday, September 08, 2014 10:13 AM
To: Music, Vicky
Cc: alicia@rsicorp.net; takasugi@speedypring.net
Subject: RE: Takasugi pump

Vicky,

Sorry for the delay. I am working on getting this information together. I apologize it has been very busy here and have had to step out of the office more than I would like to be to help keep up on jobs. I will try and get this information out today.

Thanks again,
Rory Walund
Riverside Inc.

From: Alicia Kite [<mailto:alicia@rsicorp.net>]
Sent: Monday, September 08, 2014 10:06 AM
To: Rory Walund
Subject: FW: Takasugi pump

Please see below, a follow up on the first email Vicky sent on 9/3

Thank you,

Alicia Kite
Office Manager
Riverside Inc.
208-722-6731
208-722-6736-Fax
alicia@rsicorp.net

From: Music, Vicky [<mailto:Vicky.Music@idwr.idaho.gov>]
Sent: Monday, September 08, 2014 9:45 AM
To: takasugi@speedypring.net
Cc: alicia@rsicorp.net
Subject: FW: Takasugi pump

Good morning, Suzanne –

Thank you for your attendance and cooperation the day of the field exam for permit number 63-11801. IDWR requested a pump curve for your system because it is the best way to verify pump capacity, without an actual measurement during the field exam. The day of the field exam, you provided a pump curve, however, additional information is required to read the curve. I contacted Riverside last week regarding the pump curve they provided you and requested the needed information. I have not heard back from them. I am forwarding you a copy of the email that I sent Riverside.

It is the permittee's responsibility to provide information necessary to verify the system capacity, but as a courtesy, I contacted Riverside. Will you please follow up with them to send me the required information? Please provide it by September 19, 2014, so that I can continue to license this right. If I don't receive the information by then, the permit may be voided or a license issued for less than the permitted amount.

Thank you. Please call me with questions if needed.

Vicky Music
Sr. Water Resource Agent
IDWR Western Region
208.334.2190

Please reply that you received this message.

From: Music, Vicky
Sent: Wednesday, September 03, 2014 9:44 AM
To: 'alicia@rsicorp.net'
Subject: Takasugi pump

Hi Alicia –

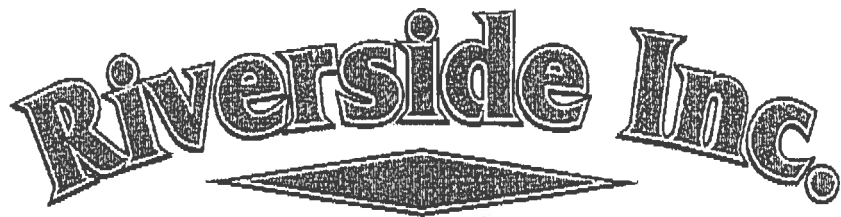
As I mentioned on the phone today, I am working with Suzanne Takasugi to license a water right. She gave me a Peerless pump curve that Rory faxed to her, and I need a few more pieces of information to be able to interpret the pump curve.

- 1 – how many bowls in the Takasugi pump?
- 2 – what are the impeller diameters of each stage or bowl?
- 2 – what is the head each bowl is rated for?

Thank you! Have a great day.

Vicky Music
Sr. Water Resource Agent
IDWR Western Region
208.334.2190

Please reply that you received this message.



P.O. Box 720
111 S. Roswell Blvd.
Parma, ID. 83660
Office (208) 722-6731 Fax (208) 722-6736
Email riverside@rsicorp.net

FAX

DATE: 08/13/14

ATTENTION: Suzanne

COMPANY: Takasagi Farms

FROM: Rory@Riverside

FAX NO: 208-337-3075

REGARDING: New well pump info

NO. OF PAGES: 2 (including this page)

COMMENTS: Suzanne, here is the
info you need on the new well. Pump curve
is on back. 100 HP motor, 300' setting.

09/2010

Drilling Permit No. 5040-871099
 Drilling Permit I.D. Tag No. DOOLAN50
 Water Right Permit No. 63-32949
 Injection Permit No. _____

State of Idaho
 Department of Water Resources
APPLICATION FOR DRILLING PERMIT
 (FOR THE CONSTRUCTION OF A WELL)

RECEIVED

JAN 21 2014

WATER RESOURCES
 WESTERN REGION

1. Property Owner (please print): Takasugi Seed Farm LLC

2. Current Mailing Address: 17777 Allendale Road

City: Wilder

State: ID

Zip Code: 83676

Telephone: (208) 484-1040

3. Proposed Well Location: Twp. 04N

Rge. 04W

Sec. 18

1/4 SW

1/4 SW

1/4

Lot No. _____ County Canyon

Lat. 43 40.583

Long. 116 52.135

(160)

Address of Well Location On Peckham Rd 1/8 east of Allendale Rd

City Wilder

Block and subdivision _____

Give at least name of road + Distance to Nearest Road or Landmark

4. Proposed Use of Well: (Note: Any well drilled for a Public Water Supply requires prior DEQ approval.)

☐ DOMESTIC (42-111a): The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd.

☐ DOMESTIC (42-111b): Any other use if the diversion rate does not exceed 0.04 cfs (18 gpm) and a diversion volume of 2500 gpd.

NON-DOMESTIC:

☒ Irrigation

☐ Commercial

☐ Municipal

☐ Other _____

☐ Industrial

☐ Public Water Supply

(Describe) _____

☐ INJECTION

☐ MONITORING: A well bore schematic and map is required. No. of proposed wells: _____

5. Well Construction Information:

A. ☐ New well

☐ Modify

☐ Deepening

☒ Replace

Previous Well # _____

B. Proposed Casing Diameter 16"

Proposed Maximum Depth 700'

C. Anticipated bottom hole temperature:

☒ 85°F or less

(Cold Water Well)

☐ 85°F to 212°F

(Low Temp. Geo. Well)

☐ 212°F or more

(Geothermal Well)

6. Construction Start Date: 12/30/13

7. Drilling Company Name: Riverside Inc

NOTE: The actual well driller must be identified prior to drilling.

Driller's Lic. No. 333

8. Applicant's Signature: Jessamine Peterson

Date: 12/17/13

Title: Managing Member

Address (if different than owner): _____

City: _____

State: _____

Zip Code: _____

Telephone: _____

ACT ION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is Approved Date 2-5-2014

If approved, this permit authorizes the construction or modification of a well subject to the following conditions. **READ CAREFULLY!**

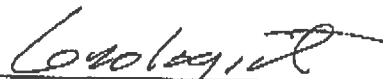
GENERAL CONDITIONS:

1. This drilling permit is valid for two (2) months from the above approval date for the start of construction and is valid for one (1) year from the approval date for completion of the well unless an extension has been granted.
2. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare, which may be required before construction of the well. All wells must be drilled a minimum distance of 100 feet from a drain field. Domestic and Public Water Supply wells must be drilled a minimum of 50 feet and 100 feet respectively from a septic tank.
3. The well shall be constructed by a driller currently licensed in the State of Idaho who must maintain a copy of the drilling permit and the well ID tag at the drilling site.
4. Approval of this drilling permit does not authorize trespass on the land of another party.
5. This permit does not constitute other local, county, state, or federal approvals which may be required for construction of a well.
6. This drilling permit does not represent a right to divert and use the water of the State of Idaho. If the well being drilled is associated with approved water right(s) use of the well must comply with conditions of said water right(s).
7. If the depth of this well exceeds 500 feet or the well is in an area known to have LTG water, bottom hole temperature must be measured and recorded on the Driller's Log, and reported on the Well Driller's Report.
8. If a bottom hole temperature of 85°F or greater is encountered, well construction shall cease and the well driller shall contact the Department immediately.
9. Idaho Code, S 55-2201 - 55-2210 requires the applicant and/or his contractors to contact "Digline" (DigLine is a one-call center for utility notification) not less than 2 working days prior to the start of any excavation for this project. The "DigLine" Number for your area is 1-800-342-1585.
10. The stainless steel I. D. tag must be securely and permanently attached to the well casing by the Driller upon completion of the well, and prior to removing the drill rig from the drill site and must remain permanently attached above ground level for the life of the well. The well tag shall be attached by welding at least 3 sides or using four (4) stainless steel, closed-end pop rivets.
11. Any well being replaced by a new well shall be properly abandoned by the well driller prior to removing the drilling equipment, unless otherwise authorized by the department.

SPECIFIC CONDITIONS:

→ Existing well abandonment shall be based on lithology of new well, and be abandoned and approved by Idwr.


Signature of Authorized Department Representative


Title

Receipt No. _____ Received by _____ Fee _____ Date _____

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension expires: _____

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D 0066150
Drilling Permit No. 965040 - 871099
Water right or Injection well # 63-32989
2. OWNER: Takasugi Seed Farms LLC

Name _____
Address 17777 Allendale Rd
City Wilder State ID Zip 83676

3. WELL LOCATION:
Twp. 04 North ☒ or South ☐ Rge. 04 East ☐ or West ☒
Sec. 18 1/4 SW 1/4 SW 1/4

Gov't Lot _____ County Canyon
Lat. 43 40.583 (Deg. and Decimal minutes)
Long. 116 52.135 (Deg. and Decimal minutes)
Address of Well Site On Peckham Rd 1/8 mile east of
Allendale Rd City Wilder
Lot. _____ Blk. _____ Sub. Name _____

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

5. TYPE OF WORK:
☐ New well ☒ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:
☐ Air Rotary ☐ Mud Rotary ☐ Cable ☒ Other Reverse Rotary

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite chips	0	430	37,500	Dry pour

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
16	+2	461	.375	Steel	☒	☐	☒
16	481	488	.375	Steel	☒	☐	☒
16	498	518	.375	Steel	☒	☐	☒

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

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method _____
Manufactured screen ☒ Y ☐ N Type Johnson Wire Wrap
Method of Installation Lower in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
461	481	.030		16	Mild Steel	
488	498	.030		16	Mild Steel	
518	598	.030		16	Mild Steel	

Length of Headpipe _____ Length of Tailpipe 5'
Packer ☐ Y ☒ N Type _____

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
10x20 Sand	430	600	27,000	Dry pour

11. FLOWING ARTESIAN:
Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____
Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 62' Static water level (ft) 62'
Water temp. (°F) 64° Bottom hole temp. (°F) 62°
Describe access port 2" pipe on side

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Ballor	Air	Flowing Artesian
300	2,240	260	☒	☐	☐	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
24	0	9	Top soil		X
24	9	21	Caliche		X
24	21	32	River rock, sand		X
24	32	82	Brown clay, sm sand streaks	X	X
24	82	114	Fine - med sand, brown sandstone	X	
24	114	132	Sandstone, brown and blue clay		X
24	132	137	Fine blue sand	X	
24	137	303	Blue clay w/ sm blue sand streaks	X	X
24	303	333	Fine blue sand	X	
24	333	463	Blue clay w/ fine blue sand streaks	X	X
24	463	479	Fine - med blue sand	X	
24	479	489	Blue clay		X
24	489	496	Fine blue sand	X	
24	496	518	Blue clay w/ sm blue sand streak	X	X
24	518	573	Fine - med blue sand	X	
24	573	579	Blue clay		X
24	579	598	Fine blue sand	X	
24	598	608	Blue clay		X

Completed Depth (Measurable): 603'

Date Started: Jan 24, 2014 Date Completed: Mar 29, 2014

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 Riverside Inc Co. No. 333

*Principal Driller [Signature] Date 4/2/14

*Driller [Signature] Date 4/1/14

*Operator II _____ Date _____

Operator I _____ Date _____

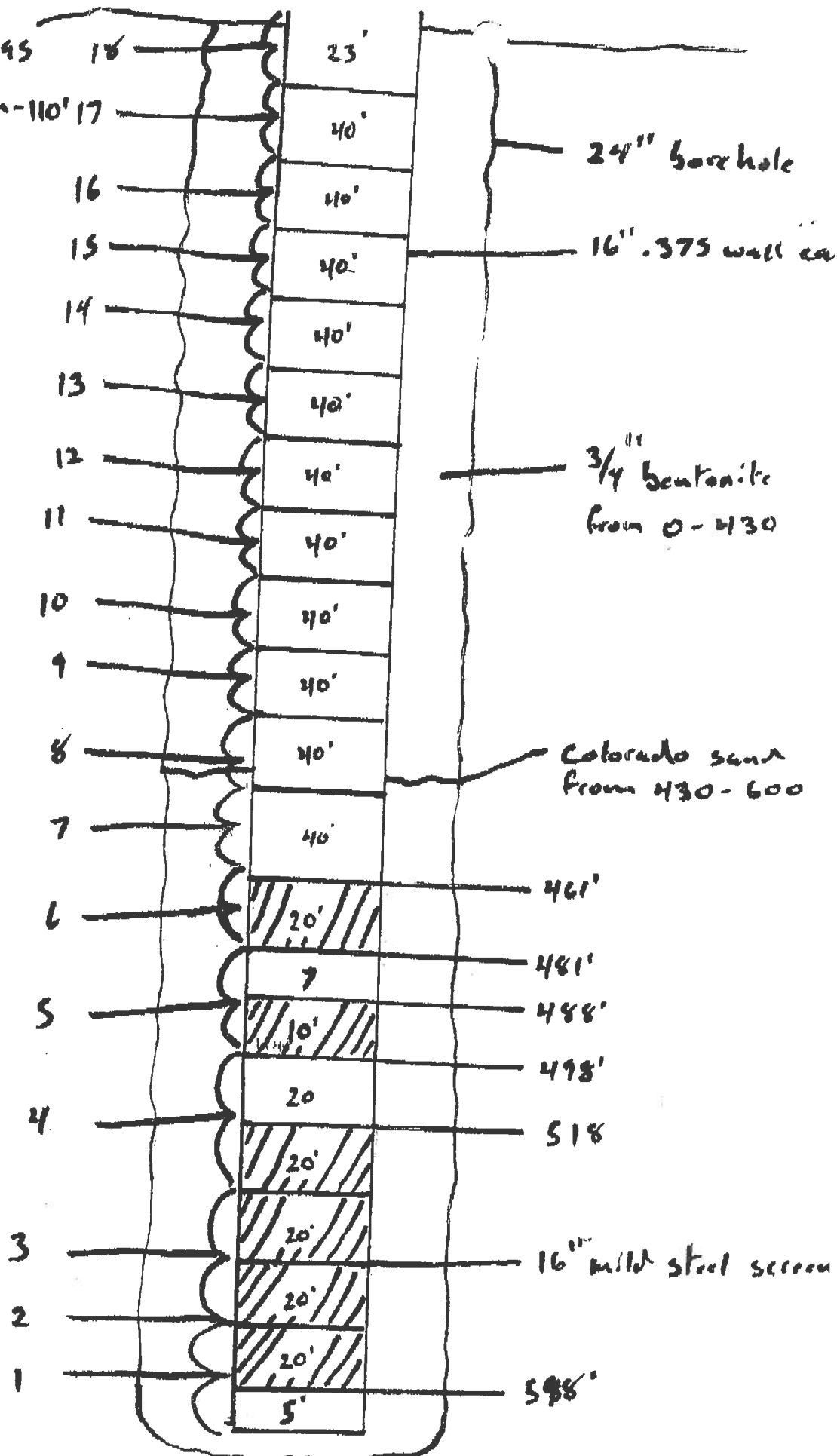
*Signature of Principal Driller and rig operator are required.

16" .375 casing - 445

16" mild steel screen - 110' 17

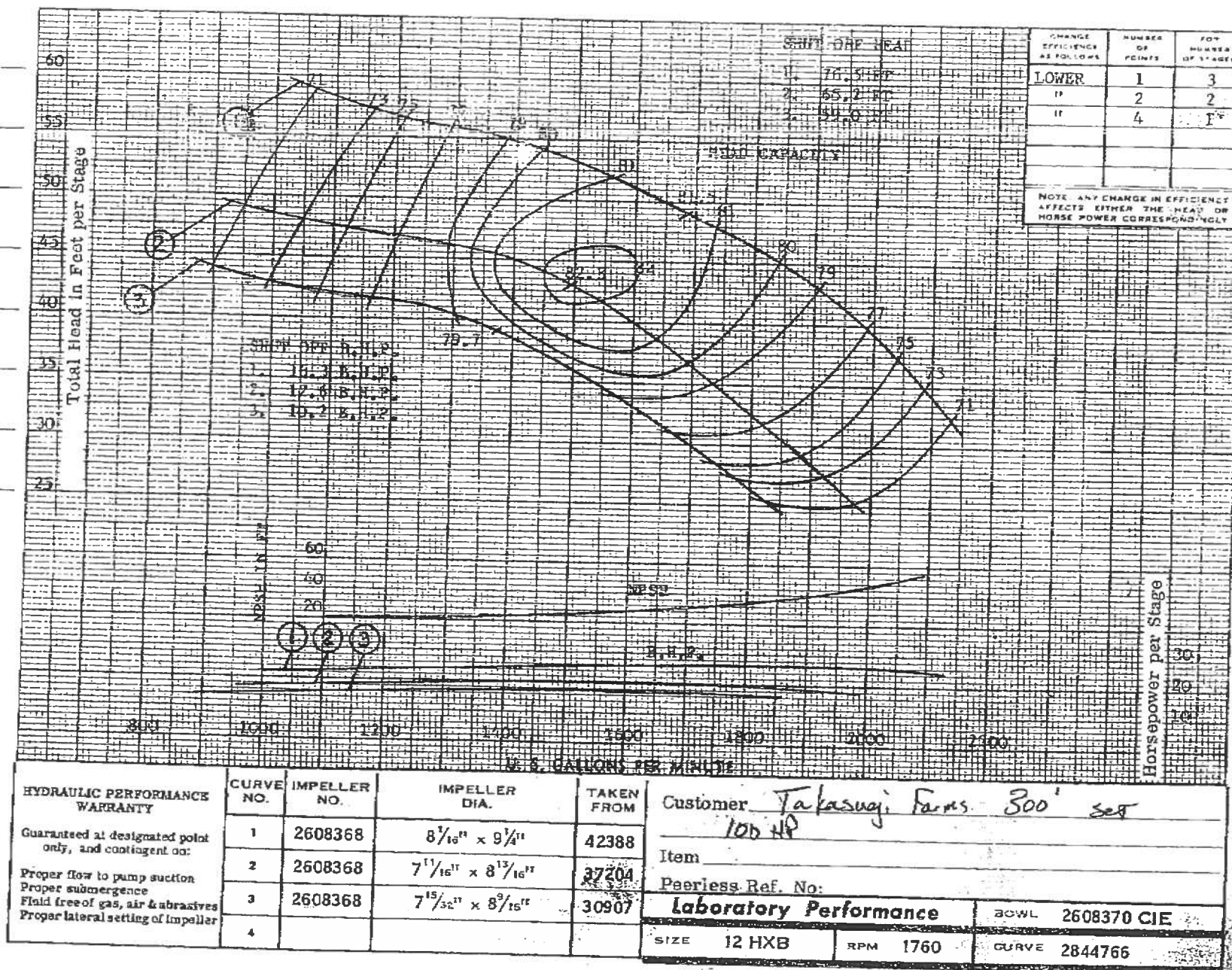
Sand & 13 yards

bento - 25 yards



Total Head in Feet for _____ Stages

Horsepower for _____ Stages



PUMP DESCRIPTION: Driver _____; Head _____; Column _____

GUARANTEED BOWL ☐ FIELD ☐ PERFORMANCE: Capacity _____ gpm; Head _____ ft; Eff _____ %; BHP _____





State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

August 5, 2014

TAKASUGI SEED FARMS INC
17777 ALLENDALE RD
WILDER, ID 83676

Re Permit To Appropriate Water No. 63-11801

Dear TAKASUGI SEED FARMS INC:

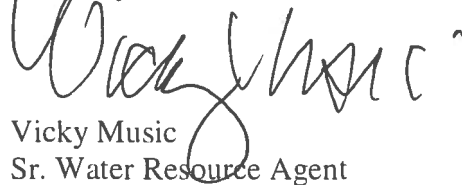
The permit referenced above was issued for 4.8 cfs from ground water for the supplemental irrigation of 240 acres. The irrigation is to supplement surface water from the Wilder Irrigation District. This letter is to request that you call me to schedule the field exam for this permit. A field exam is required by Idaho law before a license can be issued, at which time it becomes a water right. The license is the end product needed for continued water use.

I see from the file that you have spoken with IDWR personnel Kelly Christiansen and met with Pam Skaggs regarding this permit in the past. Pam's notes from 2012 indicate that the well that was permitted as the point of diversion was not operable at that time. However, there is no more recent information as to whether the well as repaired, or whether water can be delivered for this use.

During the field exam, I will need information about the well is use to supplement the surface water irrigation, pump and motor specs, a pump curve, and the depth at which the pump is set.

Please call me at 208.334.2190, to set an appointment for the exam. Failure to respond to this letter request by **September 5, 2014**, may result in the permit being voided or a license issued for less than the permitted amount. Thank you.

Sincerely,



Vicky Music
Sr. Water Resource Agent