

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 41-7057

Exam Date: 1/5/2016

1. Current Owner: UDY BROTHERS PARTNERSHIP
455 PIERCE ST
AMERICAN FALLS ID 83211
(208)226-7857

2. Accompanied by: George Udy
Phone No: 208-221-7755
Address: 455 Pierce American Falls ID. 83211
Relationship to Permit Holder: Owner

3. SOURCE
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 41-7026
2. Other water rights with the same point of diversion: 41-7026

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER	SW1/4SE1/4	Sec. 1,	Twp 10S,	Rge 30E, B.M.
POWER County				
GROUND WATER	NE1/4NW1/4	Sec. 12,	Twp 10S,	Rge 30E, B.M.
POWER County				
GROUND WATER	SE1/4SW1/4	Sec. 1,	Twp 10S,	Rge 30E, B.M.
POWER County				

Method of Determination: GPS and aerial photography.

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	
10S	30E	1												37.0				37.0	74.0
10S	30E	12	14.0	37.0	32.0		36.0			31.0									150.0

Total Acres: 224

Method of Determination: Aerial photography and George Udy verified field map.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

Sum of the three measurements 1735 GPM or 3.87 cfs

CFS limit per acre = .02 (cfs)(224 acres) = 4.48

Rate limited to system capacity of 3.87 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (224) \times (4) = 896.0 \text{ AF}$$

$$V_{D.R.} = [3.87 \times (214) \times 1.9835] = 1642.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 896 \text{ AF}$$

I.R. D.R.

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Application for permit 41-7057 was filed on November 12, 1981 for 4.94 cfs and the irrigation of 316 acres. An extension of time was filed and the permit was approved on January 3, 1992. Proof of Beneficial Use was filed on December 13, 1995. An amendment was filed to correct the points of diversion and place of use.

The irrigation system consists of three wells, one full circle pivot, a small corner pivot and four wheel lines. Well capacity is limited to alternating set systems as capacity cannot cover the complete system at the same time. The capacity of the three wells was measured at 3.87 cfs. The volume will be based on the IDWR standard of 4 AF/acre. Recommend rate of 3.87 cfs with a volume of 896 AF for the irrigation of 224 acres.

Overlapping water right 41-7026 was licensed at about 0.25 inch to the acre which is significantly less than what irrigation requirements are for this area. This permit was filed to increase authorized rates of flow to meet the IDWR standard of an inch to the acre for the farm. A combined limits condition will limit the water rights 41-7026 and 41-7057 to 3.87 cfs with a volume of 896 AF and the irrigation of 224 acres.

976 AF

244 acres

Note the condition "The wells shall be cased with unperforated casing and sealed to a minimum depth of 100 feet..." have been met. (see attached driller report)

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	3.870 CFS	896.00 AF
<u>Totals:</u>		3.870 CFS	896.00 AF

2. Recommended Amendments

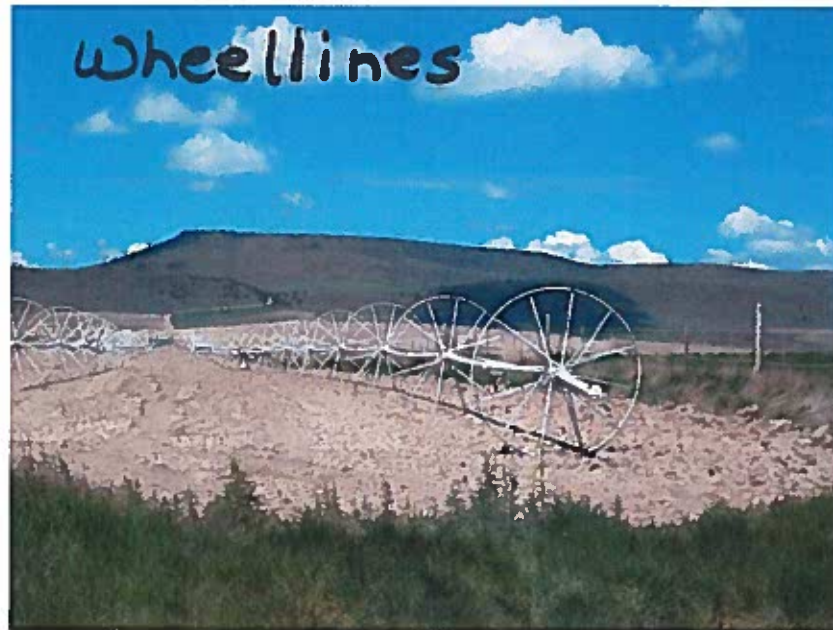
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

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

I. AUTHENTICATION

Field Examiner's Name Gina Reeder Date 5/20/16

Reviewer _____ Date _____





A0010375
100 HP



A0010376
60 HP

1. DRILLING PERMIT NO. 41-95-S-0001 - 000
Other IDWR No. 41-67057

2. OWNER:

Name UDY BROTHERS
Address 5111 S. HWY 37
City ROCKLAND State ID Zip 83271

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

N
 Twp. 10 North ☐ or South ☒
 Rge. 30 East ☒ or West ☐
 W
 Sec. 1 1/4 SW 1/4 SE 1/4
 E
 Gov't Lot _____ County POWER
 S
 Address of Well Site 3/4 mi west of
rockland Id City _____
 (Give at least name of road • Distance to Road or Landmark)
 Lt. _____ Blk. _____ Sub. Name _____

4. PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other: _____

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☐ Air Rotary ☒ Cable ☐ Other

7. SEALING PROCEDURES

SEA/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
cement	0	100		tremmie pipe
			cement	truck

Was drive shoe used? ☒ YES ☐ NO

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
16	1.5	109	250	steel	☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method _____

☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

69 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or
control devices:

11. WELL TESTS:

☒ Pump ☐ Sailer ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
600		350	

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments:

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y.	N.
20	0	14	topsoil & sandy clay		
	14	40	gravel & sandy clay		
	40	47	yellow sandy clay & gravel		
	47	57	brown sandy clay & gravel		
	57	77	gray sandy clay & sandstone		
16	77	135	brown sandy clay		
	135	170	clay water sand & sandstone conglomerate		
	170	202	brown clay		
	202	317	gray clay & sandstone		
	317	324	brown sandy clay		
	324	342	black clay		
	342	357	clay & gravel		
	357	403	gray clay & sandstone		
	403	418	gray sandstone		
	418	439	gray clay & sandstone		
	439	453	firm gray sandstone		
	453	463	firm brown sandstone		
	463	474	gray clay & sandstone		
	474	495	brown clay & fine gravel		
	495	503	yellow clay & fine gravel		
	503	518	gray sandstone		
	518	523	gray clay & sandstone		
	523	550	gray clay		

RECEIVED RECEIVED

JUN 02 1995 JUN 19 1995

Department of Water Resources
Southern Region

Completed Depth 550 (Measurable)
Date: Started 1-24-95 Completed 4-27-95

13. DRILLER'S CERTIFICATION

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

Firm Name SHERBORN COUCH WELLS PRILL EM No 161

Firm Official Sherrill C. Cook Date 3-10-95
and
Supervisor or Operator Scott C. Cook Date _____
Sherrill (Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

Firm Name SHERMAN COUCH WELL DRILLING Firm No. 161
Firm Official Sherman Couch Date 1-13-57
and
Supervisor or Operator Scott Couch Date _____
(Sign once if Firm Official & Operator)
O WATER RESOURCES