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SEP 23 2010

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCESIdent. No. 72-16837

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

DEPT. OF WATER RESOURCES
SOUTHERN REGION1. Name of applicant(s) Robert D. & Sharon Skroh Bradley Phone 208-879-4756
Name connector (check one): ☐ and ☐ or ☐ and/orMailing address: Box 241 (Physical address: 41 Crest Dr.) City Challis
State ID Zip 83226 Email: rsbradley@custerzel.net2. Source of water supply ground water which is a tributary of NA

3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
<u>14N</u>	<u>19E</u>	<u>10</u>	<u>NA</u>	<u>NE</u>	<u>SW</u>	<u>NW</u>	<u>Custer</u>	<u>Groundwater</u>	<u>0051514</u>
								<u>Permit # 72-07256</u>	

4. Water will be used for the following purposes:

Amount 3.6 AF/yr for irrigation purposes from April 1 to Nov 1 (both dates inclusive)
(cfs or acre-feet per year)Amount NA for NA purposes from NA to NA (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)5. Total quantity to be appropriated is (a) .04 cubic feet per second (cfs) and/or (b) 3.6 acre-feet per year (af).
(20 gal/minute)

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. existing well with motorized 1.5 HP pump to installed (existing) hydrantsb. Height of storage dam NA feet; active reservoir capacity NA acre-feet; total reservoir capacity NA acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.

For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate

Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ Noc. Proposed well diameter is 5.0 inches; proposed depth of well is 440 (actual) feet.d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ Noe. If well is already drilled, when? 8/24/2007; drilling firm JAFCO (Jerry Foster) Firm No. 504Well was drilled for (well owner) Robert D. & Sharon Skroh Bradley Drilling Permit No. _____

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. NAb. Stockwatering; list number and kind of livestock. Included in original water right 72-07256c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. NAd. Domestic; show number of households One, Included in original water right 72-07256e. Other; describe fully. In addition to the existing well and water right, we are applying for an additional 3.6 AF/yr. to irrigate an additional 1.2 acres, more or less.

8. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

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	19E	10							1.2										1.2 ac

Total number of acres to be irrigated: 1.2 acres, more or less. (This is in addition to existing water right)

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? With this additional water right, we plan to irrigate 1.2 acres, which is in addition to our existing right coming from the same source (well).

10. a. Who owns the property at the point of diversion? Robert D. and Sharon Skroh Bradley

b. Who owns the land to be irrigated or place of use? Robert D. and Sharon Skroh Bradley

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: NA

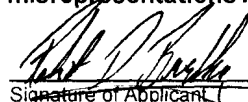
11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. We have a total of 3.57 acres of land, and we have an existing water right to irrigate 1.2 with 4.6 AF, in addition to domestic use, from our existing well.

Our original well, drilled in 1982/83, was intermittent in 2007, so we had our existing well drilled deeper; however, it collapsed after 2 days and buried the pump. Our option was to have the well (see attachments).

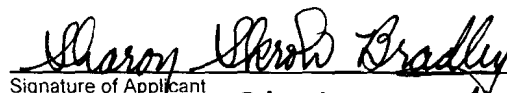
12. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.


Signature of Applicant

ROBERT D. BRADLEY
Print Name (and title, if applicable)


Signature of Applicant

Sharon Skroh Bradley
Print Name (and title, if applicable)

For Department Use:

Received by JR Date 9/23/10 Time 11:00 AM Preliminary check by JR

Fee \$ 100.00 Receipted by JR Receipt No. 5031631 Date 9/23/2010

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SOUTHERN REGION

Continued from Item 11

redrilled to 440 feet. With the more dependable water source, in addition to the expense of approximately \$34,000 for the additional drilling, casing, etc., we would like to irrigate an additional 1.2 acres (more or less) of our property. Please see a copy of my letter of 5 April 2010 that was sent to the Department. It outlines the history of our request.

The company that drilled the well of 2007 was JAFCO, Firm No. 504 — Jerry Foster.

Since my letter of 5 April 2010, our neighbors to the south (and mentioned in my letter) have had trouble with their well, often having no water.

Copy for Info Item 11

Box 241
Challis, ID 83226
5 April 2010

Subject: Additional Water Use, Water Right 72-07256

State of Idaho Department of Water Resources
P.O. Box 83720, 322 East Front Street
Boise, ID 83720-0098

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DEPT. OF WATER RESOURCES
SOUTHERN REGION

Dear Department of Water Resources Officials:

I am requesting some information from you regarding expanding our water use for our property. In 1982/83, we had our well drilled for our residence for irrigation use of .04 cfs diversion rate for 3.6 acre-feet/annum on 1.2 acres and domestic use of .04 cfs diversion rate for .6 acre-feet/annum.

In early 1984, about six months after the Borah Earthquake, our pump began to pump air with the water, then just air, which subsequently blew up and melted our pump.

We had the pump replaced, and, from my memory, it was lowered to about 120 feet below the surface. Even though I requested a well profile, the well driller never did furnish as copy to us, so these numbers are estimates.

After that time, the well provided us with enough water for our domestic use and watering our lawn and the horses, but with the years of drought and lower water tables, we opted not to try to water our acreage, except for the lawn and trees.

In 2007, we had neighbors move into the house across the road. Prior to their moving into that house, it was only occupied full-time a few weeks of a year, and little or no irrigating had occurred since we began living here. The new neighbors began watering every day, all day and all night.

To me water is "magic" the way it moves underground, so I have no idea if their irrigating affected our well or not, but we began having the pump shut down because of no water pressure when we used the water. After the earthquake fiasco, we had a pressure gauge installed in the system so that we would not burn up another pump.

After the water kept shutting off over a period of two to three weeks, we decided to have our well drilled deeper. The driller drilled into the same hole about 300 more feet to a level of about 420 feet where we hit water, and a new pump was installed.

We had a great flow of water for about two days, and then the new pump stopped operating. The driller returned and determined, after several tries to bring up the pump, that the well had collapsed and permanently buried the new pump.

After about two weeks of drilling, trenching, and installing pipe to reach the house, and another 440 foot hole in the ground which was cased, we had water, again, to the tune of \$34,000---that is thirty-four thousand dollars, give or take a hundred here or there.

Since we have invested this tidy sum into a new well, and it appears that we have a relatively good flow of water, we would like to irrigate more of our acreage. Our water right license allows for irrigating a total of 1.2 acres. We have a total of 3.57 acres, part of which includes the house, lawn, horse corral, and driveway, probably leaving between 2.25 and 2.5 acres total that needs irrigating---which is about double that we are presently allowed.

We would like to apply for additional water right to be able to irrigate the other 1.3 acres, which now supports kochia, halogeton, rabbit brush, gum weed, cacti, and tumble weeds, with a little cheat grass presently invading. In the past we have tried to established crested wheat grass, and where it is shaded and remained somewhat moist, some of the grass still remains.

We would like to establish more trees for windbreaks, and some type of drought-resistant gramanoid(s) to stabilize the soil, while providing some part-time forage for the horses.

We are requesting your assistance and guidance as to how we go about applying for the additional water that would come from our new well.

Thank you so much for your assistance and information.

Sincerely,


SHARON SKROH BRADLEY

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SOUTHERN REGION



Sharon S. Bradley
Forester Emeritus
Box 241
Challis, ID 83226
rsbradley@custertel.net
208-879-4756

Form 238-2
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

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R. Post

Office Use Only
Well ID No. _____
Inspected by _____
Twp _____ Rge _____ Sec _____
1/4 1/4 1/4
Lat: _____ Long: _____
DEPT. OF WATER RESOURCES
SOUTHERN REGION

1. WELL TAG NO. D 0051514
DRILLING PERMIT NO. _____
Water Right or Injection Well No. _____

2. OWNER:
Name Rob & Sharon Bradley
Address P.O. Box 241
City Challis, Id State Id Zip 83226

3. LOCATION OF WELL by legal description:

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

Twp. 14 North ☒ or South ☐
Rge. 19 East ☒ or West ☐
Sec. 10 1/4 SW 1/4 NW 1/4
Gov't Lot _____ County CUSTER

Lat: 44 : 33 : 657 Long: 114 : 12 : 578
Address of Well Site 41 Crest Drive

City Challis
Li. _____ 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 Replacement

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
Bentonite	0	20	700 #	Poured/overbore

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 20 FT

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+18"	20	250	Steel	☒	☐	☒	☐
5"	-10	440	250	Steel	☐	☒	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method Torch

Screen Type & Method of Installation _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
360	440	1/8"	3 PPF	5"	Steel	☒	☐
220	260	1/8"	3 PPF	5"	Steel	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
NONE				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

180 ft. below ground Artesian pressure _____ lb.

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

Removable Well Cap

12. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
15-20 gpm	N/A	400 FT	3 hrs

Water Temp. Cold Bottom hole temp. Cold

Water Quality test or comments: NONE

Depth first Water Encounter 220'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10"	0	1	CLAY, & Topsoil m x		X
	1	20	Solid Rock		X
6"	20	40	Red Rock		X
	40	50	Red Rock		X
	50	60	Grey Rock		X
	60	70	Grey Rock		X
	70	90	Red Rock		X
	90	120	Grey Rock		X
	120	140	Red Rock		X
	140	180	Grey Rock		X
	180	200	Red Rock		X
	200	220	Grey Rock		X
	220	240	Sandstone & Grey & Red Rock m x Fractured	X	
	240	250	White Quartzite	X	
	250	260	Red & Grey Rock m x	X	
	260	300	Red & Grey Rock Layered Small Layers		X
	300	340	Grey Rock		X
	340	360	Reddish purple Rock		X
	360	380	Grey & Dark Grey Rock m x		X
	380	400	Grey Rock & White Quartzite m x		X
	400	420	Red & Grey Rock m x Fractured	X	
	420	440	DARK Grey Rock Fractured	X	

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Department of Water Resources
Eastern Region

Completed Depth 440 FT (Measurable)

Date: Started 8/16/07 Completed 8/24/07

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 JAFCD Firm No. 504

Principal Driller Jimmy Fort Date 9/4/07

Driller or Operator II _____ Date _____

Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

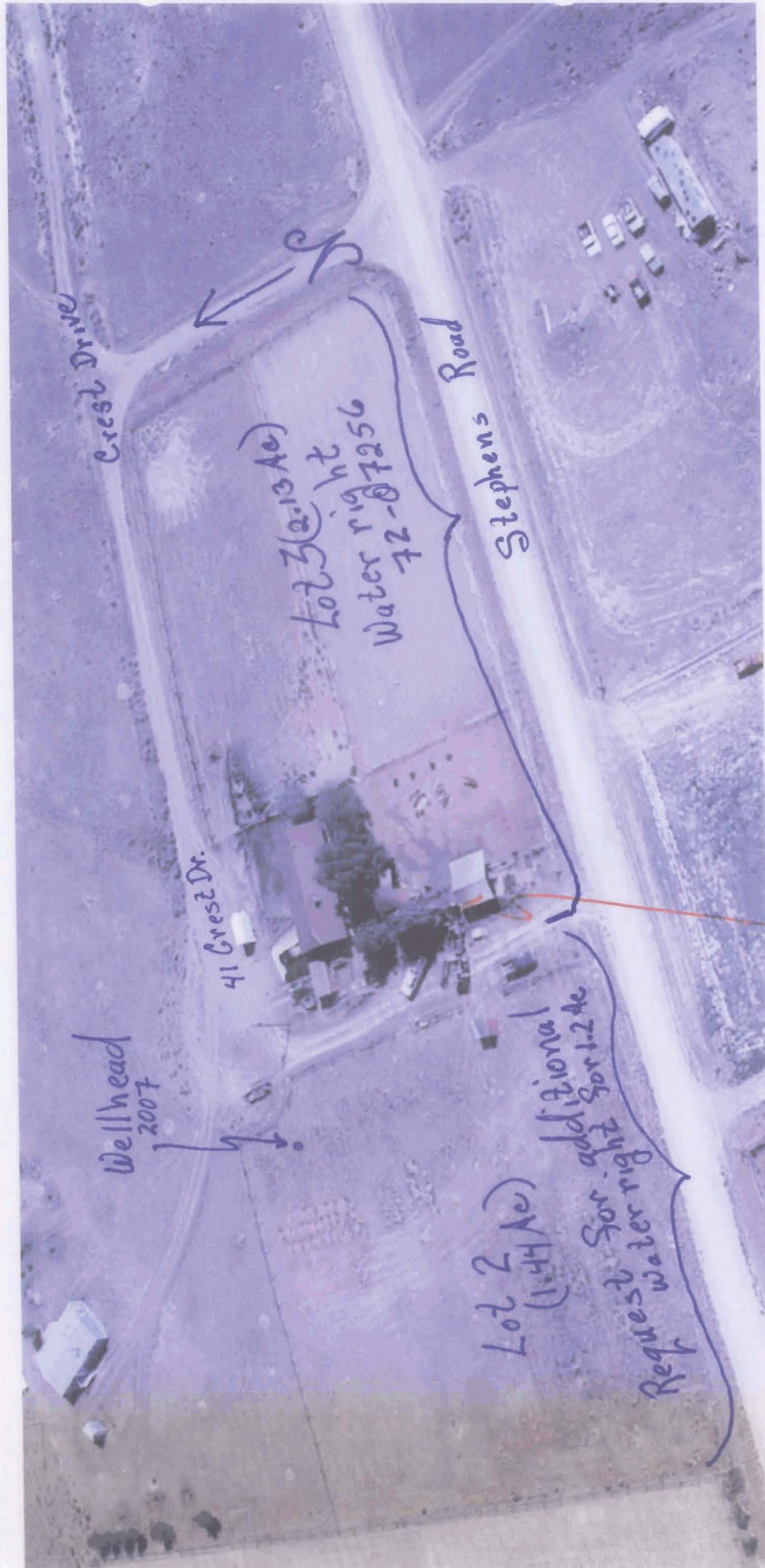


Photo by
Sharon S. Bradley
July 2007

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SOUTHERN REGION

Original
Wellhead
1982-2007

2

Legend

- ESPA
- Counties
- GCDB Township/Range
- GCDB Section
- GCDB Quarter-Quarter

Well head located in
North west quarter
of the Northeast quarter
of the Southwest quarter
of the Northwest quarter
Application for irrigation
in same quarter

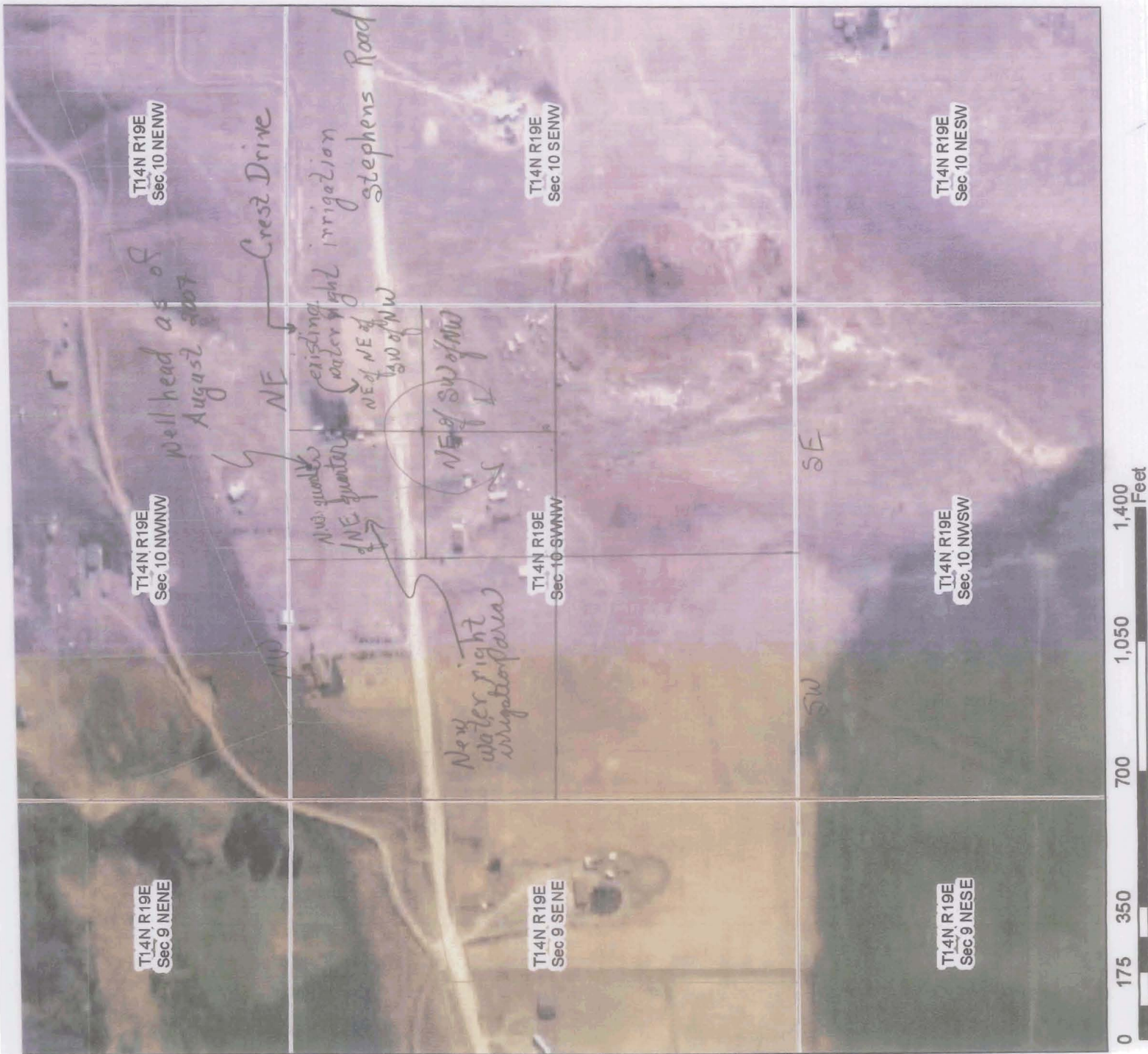
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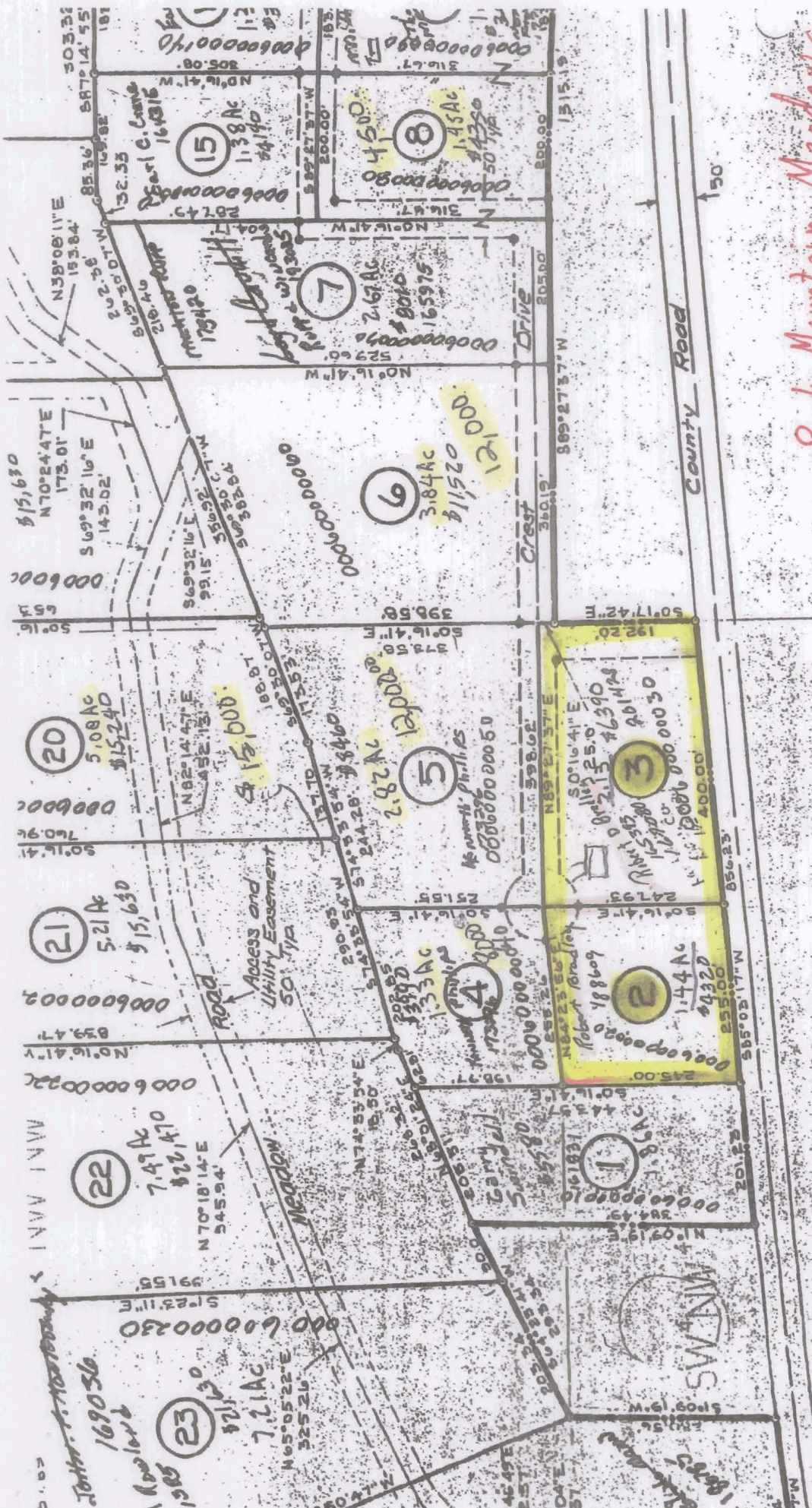
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DEPT. OF WATER RESOURCES
SOUTHERN REGION

Robert D. and Sharon Skroh
Bradley

41 Crest Dr.
Challis, ID 83226





Rocky Mountain Meadows Subdivision

NOTES:

- 1. All lines common to an access easement (10) foot wide permanent public utility and irrigation easement.
- 2. Each side of a common lot line has a wide permanent public utilities, drainage irrigation easement unless otherwise noted.

LEGEND

- Set 1/2" x 24" Steel Rod w/ Plastic Cap as Boundary Corner
- Set 1/2" x 24" Steel Rod w/ Plastic Cap set as Point on Line
- Boundary Line
- Lot Line

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SOUTHERN REGION

(3) Lot Number