

Method of Determination:

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>
D0035351	FRANKLIN	15			
	FRANKLIN	15			

*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>
SEE ATTACHED FLOW MEASUREMENTS PERFORMED BY H2O WELL SERVICE						

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: SEE ATTACHED FLOW MEASUREMENTS PERFORMED BY H2O WELL SERVICE

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: 10 STUB IN LOTS X 1.2 AF = 12 AF**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED 2 WELLS LOCATED NEXT TO EACH OTHER. ONE WELL HAD PROPER TAG ON IT D0035351 AND OTHER WELL HAD NO TAG. ONLY OTHER WELL DRILLED IN QQ WAS DRILLED BEFORE TAG WAS REQUIRED. BECAUSE WE ARE UNSURE IF THAT IS THE WELL LOG THAT BELONGS TO WELL WE ARE LEAVING OUT OF FILE. H2O WELL SERVICES PERFORMED WELL PUMP TEST AND SHOWED WELL COULD PRODUCE 150 GPM AND LICENSE WILL BE ISSUED FOR 0.32 CFS WHICH IS WHAT WAS APPLIED FOR. APPLICANTS ONLY COMPLETED 10 STUB INS AND LICENSE WILL BE GIVEN FOR THAT WHICH IS 12 AF. PWS NUMBER IS 1090266.

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>
MUNICIPAL	01/01 to 12/31	0.320 CFS	12.00 AF
<u>Totals:</u>		0.320 CFS	12.00 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 Adam Fendell Date 12-14-15

Reviewer _____ Date _____



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DEC 21 2004
DEPARTMENT OF
WATER RESOURCES

582 West Hayden Avenue • Hayden Lake, Idaho 83835
(208) 772-4004 Office • (800) 772-4901 Toll Free • (208) 772-4892 Fax • (509) 624-4508

October 13, 2004

McGhee Ranch Estates
Algoma Spur Rd.
Bonner

Subject: Well Test

Well Data:

Well Location:	Algoma Spur Rd.
Well Construction:	8" Casing
Well Depth:	100'
Static Water Level:	16'
Test Pump Used:	10 HP
Pump Setting	84'
Pipe Size:	4"
Wire Size:	8/3
Liquid Level Controls:	N/A
Pitless:	N/A
Bump House:	YES
Condition:	GOOD
Pressure Tank Size:	N/A
Electrical Controls:	N/A

Date of Test: 10/13/04
Time: 9:00 A.M. TO 3:30 P.M.

Summary:

This well will produce 150 gallons per minute over a 6.5 -hour period.

DATE	10/13/2004
WELL CONSTRUCTION	H2O
WELL DEPTH	100 feet
STATIC WATER LEVEL	16 feet
GPM DRILLER TESTED	100+
TEST PUMP USED	150L 10HP
PUMP SETTING	84 feet
PIPE SIZE 4" WIRE SZ	
LIQUID LEVEL CONTROLS	

CUSTOMER NAME	McGhee Ranch Estates
ADDRESS	
PHONE	
JOB LOCATION	Algoma Spur Rd/Bonner
PIT/LESS	PUMP HOUSE
CONDITION	
PRESSURE TANK SIZE	
ELECTRICAL CONTROLS	

TIME	FLOW RATE	PRESSURE	WATER QUALITY	STATIC
	Flow Meter	Bucket		
9:00	80 gpm		Cloudy	22
9:04	80 gpm		Cloudy	36
9:08	80 gpm		Cloudy	38
9:12	80 gpm		Clear	38
9:13 raise fl	100 gpm		Clear	38
9:14	100 gpm		Clear	42
9:18	100 gpm		Clear	42.6
9:22	100 gpm		Clear	42.8
9:26	100 gpm		Clear	42.8
9:30	100 gpm		Clear	42.8
9:31 raise fl	150 gpm		Clear	52
9:32	150 gpm		Cloudy w/sand	54
9:36	150 gpm		Cloudy w/sand	57
9:40	150 gpm		Cloudy w/sand	61.4
9:44	150 gpm		Cloudy w/sand	63
9:48	150 gpm		Cloudy w/sand	63
9:52	150 gpm		Clear	64
9:56	150 gpm		Clear	64
10:00	150 gpm		Cloudy w/sand	66
10:20	150 gpm		Clear	68
10:40	150 gpm		Clear	67
11:00	150 gpm		Clear	68
11:20	150 gpm		Cloudy w/sand	68
11:40	150 gpm		Clear	68
12:00	150 gpm		Cloudy w/sand	68
12:20	150 gpm		Clear	68
12:40	150 gpm		Clear	68
1:00	150 gpm		Clear	68.2
1:20	150 gpm		Clear	68.2
1:40	150 gpm		Clear	68.2
2:00	150 gpm		Clear	68.2
2:20	150 gpm		Clear	68.2
2:40	150 gpm		Clear	68.2
3:00	150 gpm		Clear	68.2
take samples		END 8hr		
3:30	150 gpm		Clear	68.2

WELL TEST SUMMARY



Public Health

PANHANDLE HEALTH DISTRICT

Healthy People in Healthy Communities

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JUL 20 2004
IDWR/North

ENVIRONMENTAL HEALTH

322 MARION AVENUE
SANDPOINT, IDAHO 83864
(208) 265-6384
<http://www2.state.id.us/phd1>

July 20, 2004

Mr. Scott Brown
Tucker, Brown & Vermeer LLC Engineering and Land Surveying
102 S Second Avenue
Sandpoint, ID 83864

Re: Well site evaluation for McGhee Ranch Estates, PWS# 1090266

Dear Scott:

Thank you for the opportunity to inspect the proposed well site to serve the McGhee Ranch Estates subdivision. The site is located approximately 40 feet east of the present well site and appears to be in accordance with Idaho Rules for Public Drinking Water Systems, IDAPA 58.01.08 (rules). The well site is approved for construction contingent on the following:

1. The well must be located a minimum of 50 feet from any potential source of contamination, and no closer to specific sources than;

Sewer line	50 feet
Septic tank	100 feet
Disposal Field	100 feet
Seepage Pit	100 feet
Privies	100 feet

Livestock	50 feet
Lakes, ponds, streams, canals, ditches, & tanks used to store non-potable substances	50 feet

2. Observe all other applicable setbacks.
3. Obtain a drilling permit from the Idaho Department of Water Resources, 1910 Northwest Boulevard, Coeur d'Alene, Idaho 83814.
4. In accordance with Idaho Code 39-118; plans and specifications for the construction of the well, stamped by a professional engineer registered in Idaho, must be submitted to the Idaho Department of Environmental Quality (DEQ), 2110 Ironwood Parkway, Coeur d'Alene, Idaho 83814. These plans must be reviewed and approved prior to drilling.

WELL DRILLER'S REPORT

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

1. WELL TAG NO. D0035351

Drilling Permit No: 825 874
Other IDWR No. 96-9190

2. OWNER **Well Number:**
Name McGhee Ranch Estates #2 **837**

Address 4825 Glasgow Drive
City Fairbanks State AK Zip 99709

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


 Twp. 56 ☒ North or ☐ South
 Rge. 02 ☐ East or ☒ West
 Sec. 22 1/4 NE 1/4 NW 1/4 SE
 Gov't Lot _____ County BONNER
 Lat. : : Long. : :
 Address of Well Site Algoma Spur Rd
 City Algoma

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

Tr. Blk. Sub. Name McGhee Ranch

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/FILTER PACK			AMOUNT	METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	60	4,800 lbs	Overbore

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 90

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

8. CASING/LINER:

Diameter	From	To	Gauge	Material
8	+2	90	.322	Steel

Casing Liner Welded Threaded

☒ ☐ ☒ ☐

Length of Headpipe 5' Length of Tailpipe

9. PERFORATIONS/SCREENS

☐ Perforations Method _____
☒ Screens Screen Type S.S. Telescoping

From	To	Slot Size	Number	Diameter	Material	Casing	Line
93	98	100	1	8	S.S.	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

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

56 N 2W 22

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
100+			1hr.

Water Temp. Cold	Bottom Hole Temp	Cold
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Water Quality test or comments: Clear

Depth first Water encountered 82

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

				Water	
Bore Diam	From	To	Remarks: Lithology, Water Quality, Temperature	Y	N
12	0	28	Loamy Sandy Soil w Gravel	☐	☒
12	28	62	Silty Blue Sand	☐	☒
10	62	80	Silt Blue Hard	☐	☒
10	82	100	Course Gravel w h20 @ 82	☒	☐

RECEIVED

OCT 15 2004

IDWR/North

Completed Depth 100 (Measurable)

Date: Started 9/29/2004 Completed 9/30/2004

13. DRILLER'S CERTIFICATION

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

Firm Name FEZ0 WellService, Inc. Firm No. 448

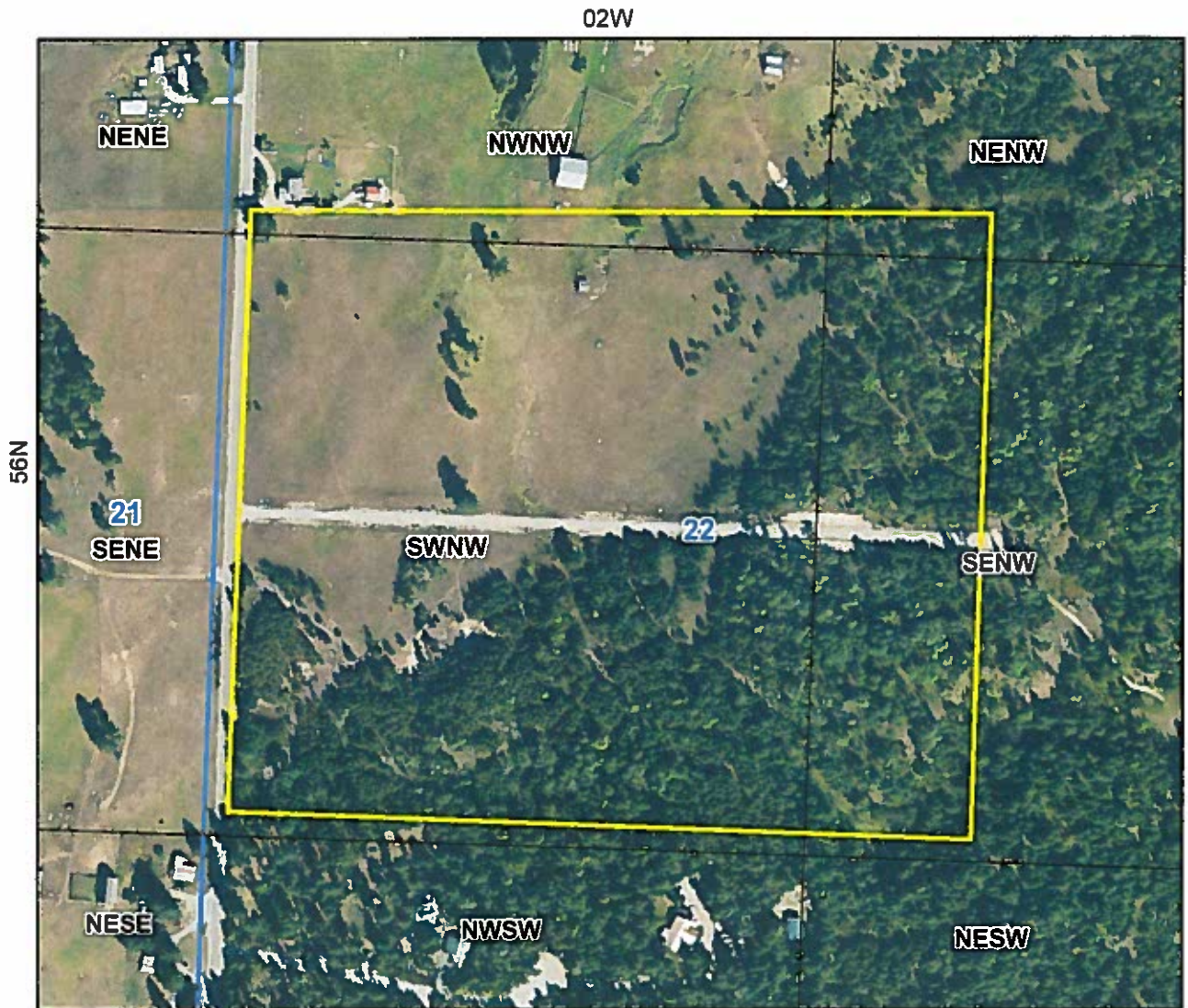
Firm Official [Signature] Date 10-6-04
and

Supervisor or Operator Louie Hanner Date 10/01/04
(Sign Once If Firm Official and Operator)

Mc Ghee Ranch Water System Llc

Water Right License

96-9190



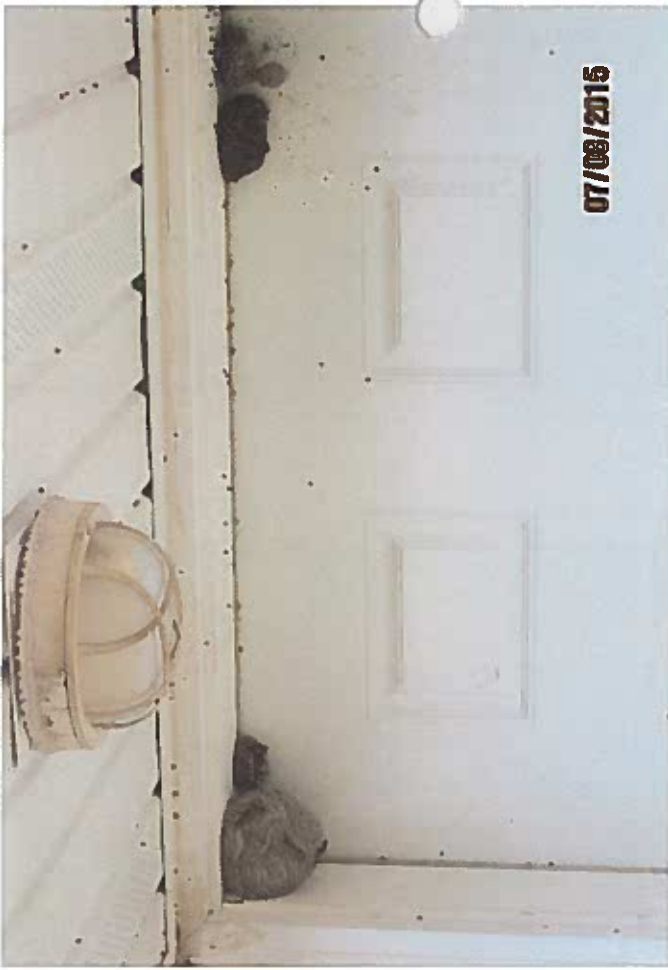
0 0.05 0.1 0.2 Miles

-  Water Service Area Boundary
-  Townships
-  PLS Sections

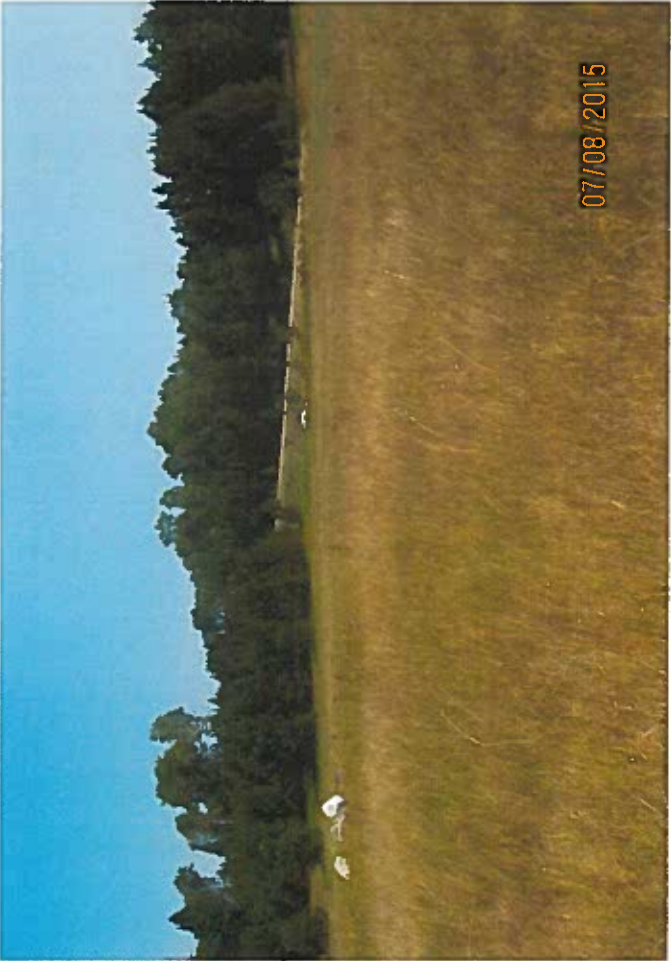
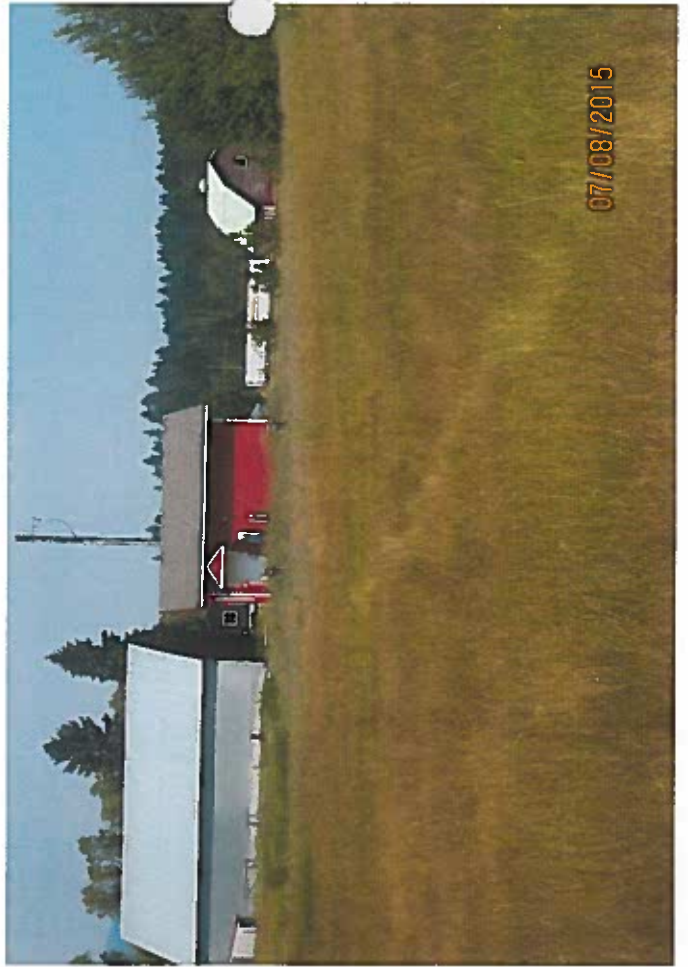


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