

Permit No. 29-13664

Current Address: P.O. Box 264 Lava Hot Springs ID 83264

2. Accompanied by: _____ EXAM DATE: 1-25-07

Address: _____ Phone No. 208-776-5321

Relationship to Permit Holder:

3. Source: Ground Water tributary to _____

1. Other water rights with the same place of use: None

2. Other water rights with the same point of diversion: *None*

1. Point(s) of Diversion:

[illegible]

2. Place(s) of Use:

Indicate Method of Determination

[illegible]

[illegible]

Photo of Diversion and System Attached

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0027708		1.5			

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

E. NARRATIVE/REMARKS/COMMENTS

Domestic Well

Well Tag # D0027708

~~8" dia~~ 8" diameter casing

GPS ^{Reading} ~~Tag~~ 2660997 waypoint 291366
1271522

Mr. or Mrs Avery did not join me and Skip Jones.

GPS Tag A0018244

1-23-07 Phone Conversation with Mrs. Avery:

She said pump is 1.5 Hp

She believes pumping depth is 116 ft.

" " depth of ~~well~~ 150 ft

" " casing is down 119 ft

static water 62'

Stock corrals were seen to suggest stockwater was used for this well also.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

G. 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:

Theoretical calculations yield
 .06 cfs

Volume for stock = 202 head (0.0134) = 2.7 AF

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01-01	12-31	.04	1.2
Stockwater	1-1	12-31	.02	2.7
Totals:			0.06	3.9

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. AUTHENTICATIONField Examiner's Name Trent Galbraith Date 1-25-07Reviewer David Alan Date 2/21/2007

SEAL

THEORETICAL PUMP FLOW CALCULATIONS

Formula:

$$Q_{cfs} = [(Hp)(8.814)(Eff)] \div [Lift + (psi \times 2.308)]$$

$$Hp = \text{Horsepower} = \underline{1.5}$$

$$Eff = \text{Efficiency} = \underline{.7} \quad (\text{Usually } 70\%)$$

$$\text{Lift: (Static Level + Assumed Draw down)}$$

$$\text{Static Water Level} = \underline{62} \text{ ft.}$$

$$\text{Assumed Draw down} = + \text{ } \text{ft.}$$

$$\text{Lift} = \underline{62}$$

OR

$$\text{Measured Dynamic Water Level} = \underline{NA} \text{ ft.}$$

$$\text{psi} = \text{Operating Pressure} = \underline{40} \text{ psi}$$

$$Q_{cfs} = \left[\frac{1.5}{Hp} \times 8.814 \times \frac{.7}{Eff} \right] \div \left[\frac{62}{Lift} + \left(\frac{40}{psi} \times 2.308 \right) \right]$$

$$Q_{cfs} = \left[\underline{9.25} \right] \div \left[\underline{194.32} \right]$$

$$Q_{cfs} = \underline{.059} \text{ cfs}$$

Trent Calbraith 1-29-06

PERMIT NO. 29-13664

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 0027708
DRILLING PERMIT NO. 29
Water Right or Injection Well No. _____

2. OWNER:
Name Golden Avery
Address 9311 S. Sunnyside Rd
City Lava State ID Zip 83246

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.
Twp. 9 North ☐ or South ☒
Rge. 38 East ☒ or West ☐
Sec. 20 SE 1/4 NW 1/4 1/4
Gov't Lot _____
Lat: _____ Long: _____
Address of Well Site Same

(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

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

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
<u>Bentinite</u>	<u>0</u>	<u>13</u>	<u>12 Bags</u>	<u>Overbore</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 1/9'
Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
<u>6" + 1</u>	<u>114'</u>	<u>250'</u>	<u>5</u>	<u>Steel</u>	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____
Packer ☐ Y ☐ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method None
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:

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

12. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
<u>APPROX 50 GPM</u>	<u>1 HR</u>		

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter 40'

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water	Y	N
<u>10"</u>	<u>0</u>	<u>14</u>	<u>Brown clay</u>			☒
<u>14"</u>	<u>14</u>	<u>18</u>	<u>Black sand</u>			☒
<u>18"</u>	<u>18</u>	<u>45</u>	<u>Brown clay & gravel</u>			☒
			<u>some water 40'</u>			
	<u>45</u>	<u>61</u>	<u>Brown clay & sand</u>			☒
	<u>61</u>	<u>64</u>	<u>Brown clay & gravel</u>			☒
	<u>64</u>	<u>82</u>	<u>Brown clay, pea gravel</u>			☒
			<u>Sand</u>			
	<u>82</u>	<u>85</u>	<u>Hard conglomerate</u>			☒
			<u>gravel - some water</u>			
	<u>85</u>	<u>100</u>	<u>Black sand</u>			☒
	<u>100</u>	<u>101</u>	<u>Brown sand</u>			☒
	<u>101</u>	<u>120</u>	<u>Broken Black sand</u>			☒
			<u>& sand - water</u>			
	<u>120</u>	<u>122</u>				☒
	<u>122</u>	<u>143</u>	<u>Hard Gray Basalt</u>			☒
	<u>143</u>	<u>150</u>	<u>Broken Black sand</u>			☒
			<u>Lots water</u>			

RECEIVED

OCT 07 2003

Department of Water Resources
Eastern Region

Completed Depth 150' (Measurable)
Date: Started 8-25-03 Completed 8-28-03

14. DRILLER'S CERTIFICATION

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

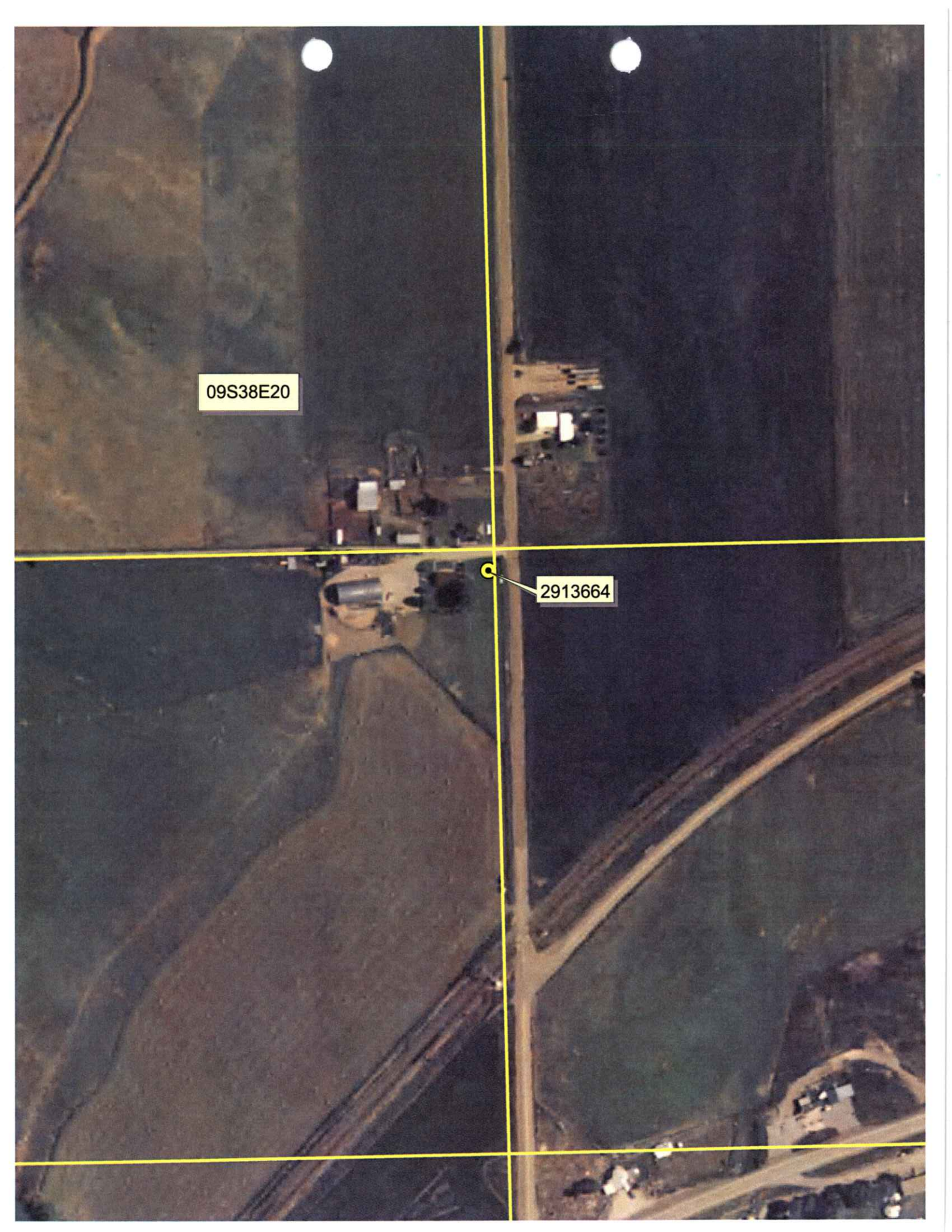
Company Name Maverick Drilling Firm No. 533

Principal Driller Sam J. Anderson Date 8-28-03

Driller or Operator II _____ Date _____

Operator I _____ Date _____

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

An aerial photograph showing a landscape with a road and a building. The road runs vertically through the center of the image. To the left of the road, there is a large, dark, irregularly shaped area, possibly a field or a forest. To the right of the road, there is a large, light-colored, rectangular area, possibly a field or a forest. A yellow line runs horizontally across the middle of the image, intersecting the road. A yellow dot is located at the intersection of the road and the horizontal line. A yellow line runs vertically through the center of the image, intersecting the road. A yellow dot is located at the intersection of the road and the vertical line. A yellow line runs diagonally from the bottom left to the top right, intersecting the road. A yellow dot is located at the intersection of the road and the diagonal line. A yellow line runs diagonally from the bottom right to the top left, intersecting the road. A yellow dot is located at the intersection of the road and the diagonal line. A yellow line runs diagonally from the bottom left to the top right, intersecting the road. A yellow dot is located at the intersection of the road and the diagonal line. A yellow line runs diagonally from the bottom right to the top left, intersecting the road. A yellow dot is located at the intersection of the road and the diagonal line.

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