

MEMORANDUM

Date: October 28, 2013
To: Water Right File 65-13027
From: scurtis
Re: License Preparation

The exam was conducted in 1993 by Steve Lester. Steve partially completed filling out the exam report and then the file was set aside. In an effort to get all completed exams licensed, I have reviewed the file and field report and prepared a license.

The examiner did a theoretical calculation which yields 0.22 cfs. The exam fee paid limits the license to 0.20 cfs. I do not believe it is advantageous to seek additional fees to cover 0.02 cfs, especially in light of the fact that there are now other rights covering much of the place of use AND some of the lots are no longer part of the subdivision. A rate of 0.20 is sufficient to supply the max. diversion volume for irrigation and in-house use for the 26 homes.

Two well logs are attached to the field exam; one references this water right and the other references the subdivision. Both are for domestic wells only. The right holder told the examiner the well was drilled in 1983. There are only 2 well logs on file for wells drilled before 1991 in the NWNE, S34. It would appear that NONE of the well logs are appurtenant to this well. Proof of beneficial use was filed in 1990, shortly after the application was approved. This is another indication that the well was drilled in the early 1980s; we will assume it was prior to the institution of drilling permit fees.

The entire subdivision is approximately 34 acres. I rough sketched the acres in ArcMap to come up with the number of acres to list in each $\frac{1}{4}$ $\frac{1}{4}$. There is only 1/10th of an acre in the SWSE, S27 so all 16 acres have been listed in the remaining three $\frac{1}{4}$ $\frac{1}{4}$ s.

Rates of diversion are based on theoretical capacity. Volume for irrigation is based on 3.5 afa; volume for domestic is in-house for 26 homes (0.6 af per home).

The place of use does not include what was originally Lots 1 and 2 of the Pine Tree Ranch Subd. #11. Memo from Dan Nelson dated 6/30/99 explains why these lots are not included with this license. Lots originally listed as 19 and 20 are now named Lots 1 and 1, Clouse/Kasten Subd. The conditions/remarks for identifying subdivision lots for the pod and pou have been edited accordingly.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

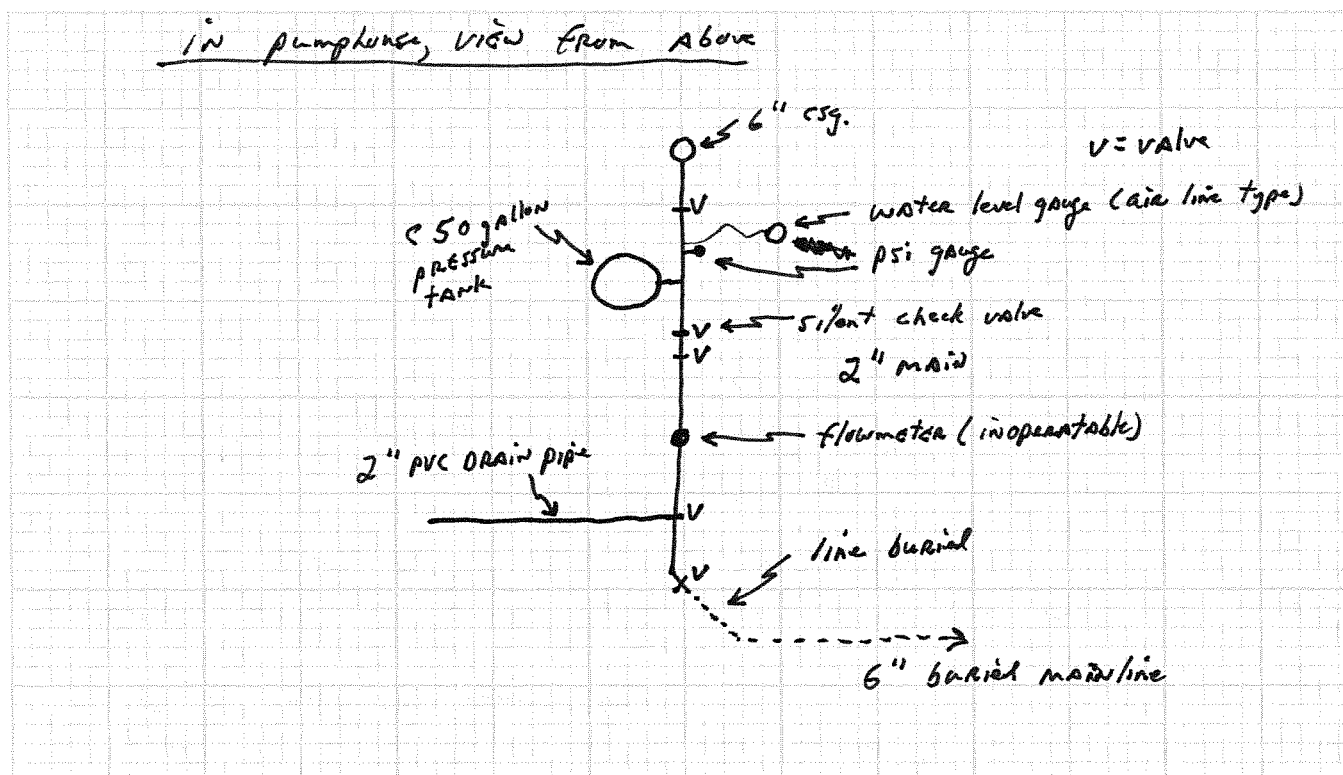
1. Owner: Pine Tree Ranch Inc. Phone No. 462-3743
Current Address: 40 Larry Thorsgard Pine Tree Ranch GARDEN Valley ID 83622
" "
2. Accompanied by: _____ EXAM. DATE: 9/15/93
Address: Same Phone No. _____
Relationship to Permit Holder: President
3. Source: Groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____
 _____ ☐ Copies Attached
2. Other water rights with same point of diversion: NONE
 _____ ☐ Copies Attached ☐ Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. **Diversion System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. ☐ Alternative diagram attached



Scale: 1" = None

2. ☒ Copy of U.S.G.S. Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required). ☐ Aerial Photo Attached *not available - see sub-plot* (required for irrigation of 10 acres or more).
☒ Photo of Diversion and System Attached (required for all but single household domestic groundwater, and stockwater).

System Description (continued)

3. Narrative: Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

A 6", approx. 120' well has a 5 hp. subm. pump & 2" main that expands to buried 6" main for subdivision. The 6" main has a 4" lateral that individual lots can hook up to with 3/4"-1" pipe to units. Five units are currently in place with stubs found for all other lots.

Photos 1) 6" cty 2) view of pumps. 3) view of Lot 18-19 with house & pumps. 4) view of Lot 23 with cabin & yard

☐ See Remarks on page 4 for continuation

- 4.

FRANKLIN SUBMERSIBLE

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
		5	2821139003		2" main to 6" line

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

5. Point(s) of Diversion:

Ident. No.	Gov't. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NW	NE	34	10N	4E	Bowie	7 1/2' top + 5-80. plat

6. Place(s) of Use:

Indicate Method of Determination Same as in plat

Twp.	Rge.	Sec.	NE 1/4				NW 1/4				SW 1/4				SE 1/4				Totals
			NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4	
10N	4E	27															D	D	
		34	D	D															

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NEPTUNE FLOWMETER	Trident			26116731	2"	
(NOT operational - broken)						

2. Measurements:

Cannot measure system with polysonic - operates only on demand's
not on during exam.
Average operating psi ≈ 40 .
Dynamic level $\approx 45'$ per Larry Throgand.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method:

$$\text{HP eq.} \quad \frac{(8.8)(6.7)(5)}{(2.31)(40) + 45} =$$

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) $\div$ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N/ _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

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:

$$0/26 \text{ int. use } (26)(.6) =$$

$$() (365) (1.9835)$$

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Overlap - No other sources currently provide water to this land.
Larry Throgmold said lots are sold with water provided only from
this single community well.
Well is Lot 19, well is Lots 1-25, Pine Tree Ranch No. 11 Subdivision.
Domestic use is for 26 homes (not all lots will have homes).

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	1/1	12/31		
Irrigation				
Totals:				

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

J. AUTHENTICATION

Field Examiner's Name STEVE LESTER

Signature Steve Lester

Certification Date _____

Field Report Preparation Date 9/15/93

CONSULTANT SEAL

- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

Photos

- 1) well to wells. } on L. 19
- 2) wellhouse
- 3) Look N at lower L. 18 (on right) ; wells; yard irig
- 4) " E " " L. 23

<u>% irrigated</u>	
L. 18	60 %
L. 19	70 %
L. 23	60 %

— Use average for
% of lot areas
irrig if can credit
yards for lots w/
stubbed lines

$$Q = \frac{(8.8)(.77)(5)}{(2.31 \times 40) + 45} = .22$$

$$2" \text{ Expected } Q = \pi r^2 v$$

$$(\pi) \left[\frac{3}{4} \times \frac{1}{2} \right]^2 (5) = .11 \text{ cfs}$$

Pump into farm w/ stallon?

No way to measure - operates only a
demand per pressure system.

3

well ~ 1983 (Lg - '89?)

System settings for new units to pop into

(Assignment 1 Print to Human Assoc.)

Sent to Larry ✓

Chil on
9/16

PS: - on c 35 ps.

Range C 35-60 psi (read 60 mm)

$$\bar{x} \sim 45 \text{ psi}$$

est. static $\sim 40\%$

est. depth ~ 120'

(Gen Pump Ennett Clayton Russell 365 3266)

S by S-Bm Franklin model 2821139003, 1 phase

2" Neptune ^{TR ident} ^V Plut. # 26116731

$$R/S = 1.833$$

Office L. 28

Well L-19

gpm + total, in
↓ 0-100 reads
3,995,700
↑
not sure when print
working

PINE TREE RANCH NO. 11

SITUATED IN THE SE 1/4 OF SECTION 27 AND THE NE 1/4 OF SECTION 34, T.10N., R.4E., B.M., BOISE COUNTY, IDAHO

ROYLANCE ENGINEERING - 1980



x = Existing corners
Lots 7, 10, 16, 18, 23

Office - not
SEARCHED by well

NOTES

- Boise County assumes no responsibility for maintenance or snow removal from roads, as plotted herein. Subject to Boise County Ordinance, dated Nov. 27, 1978.
- All utility and drainage easement exits inside all lot lines along the subdivision boundary, except along road easements, and a 10' easement will be centered on all interior lot lines, except along road easements.
- All road easements shown herein will be 66' wide and will not be for the use of the public unless otherwise designated and will provide for drainage and utilities.
- All areas shown, are approximate and will provide for drainage and utilities.
- Lots shall not be reduced in size.

MIDDLE FORK ROAD

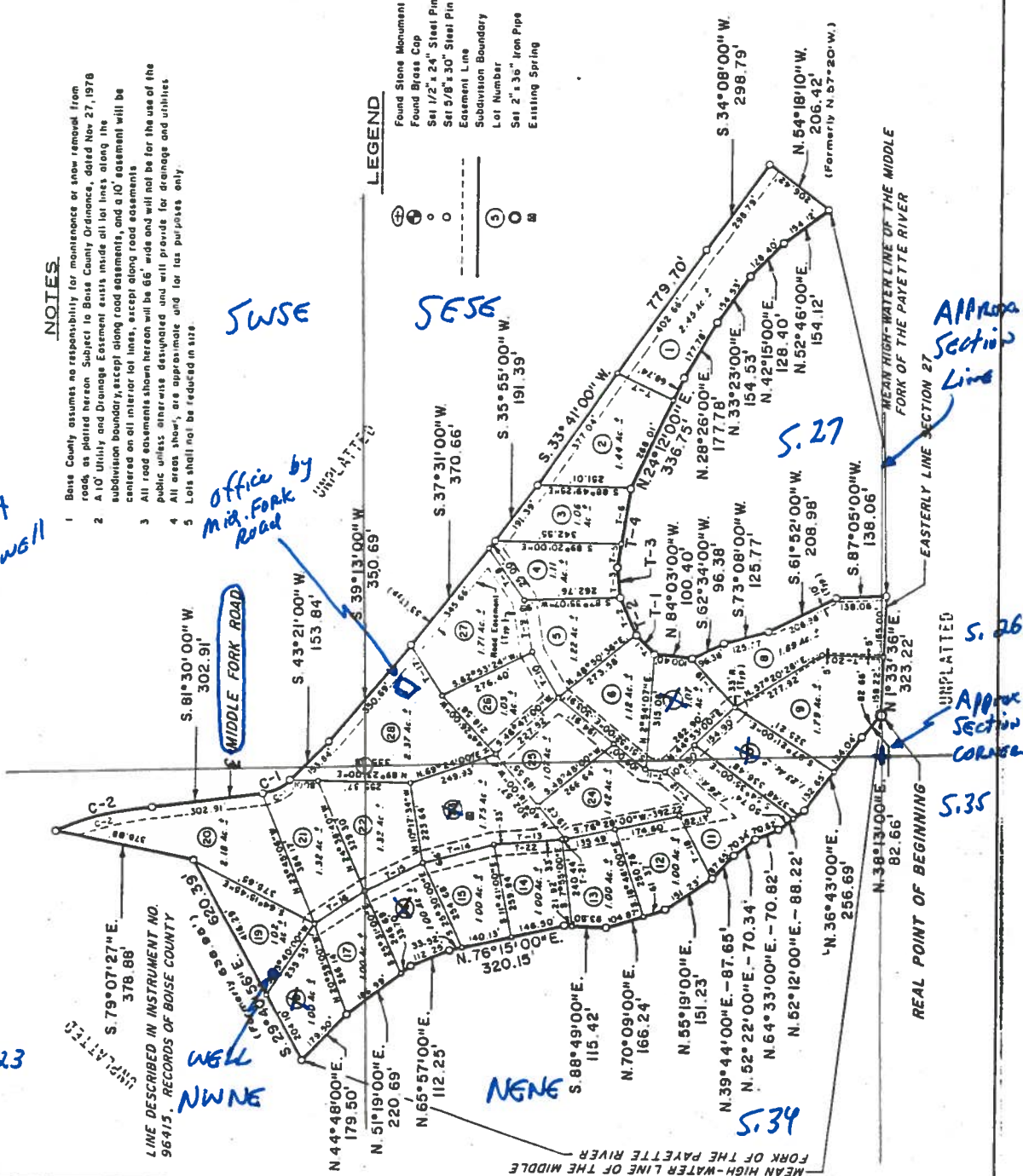
WELL
NWNE

Office by
M.F. Fork
Road

SWSE

SESE

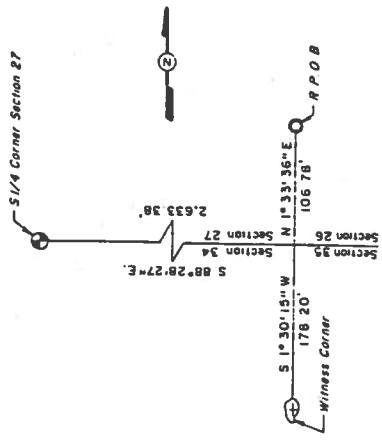
NESE



LEGEND

- Found Stone Monument
- Found Brass Cap
- Set 1/2" x 24" Steel Pin
- Set 5/8" x 30" Steel Pin
- Easement Line
- Subdivision Boundary
- Lot Number
- Set 2" x 36" Iron Pipe
- Existing Spring

DETAIL LAND CORNER TIES

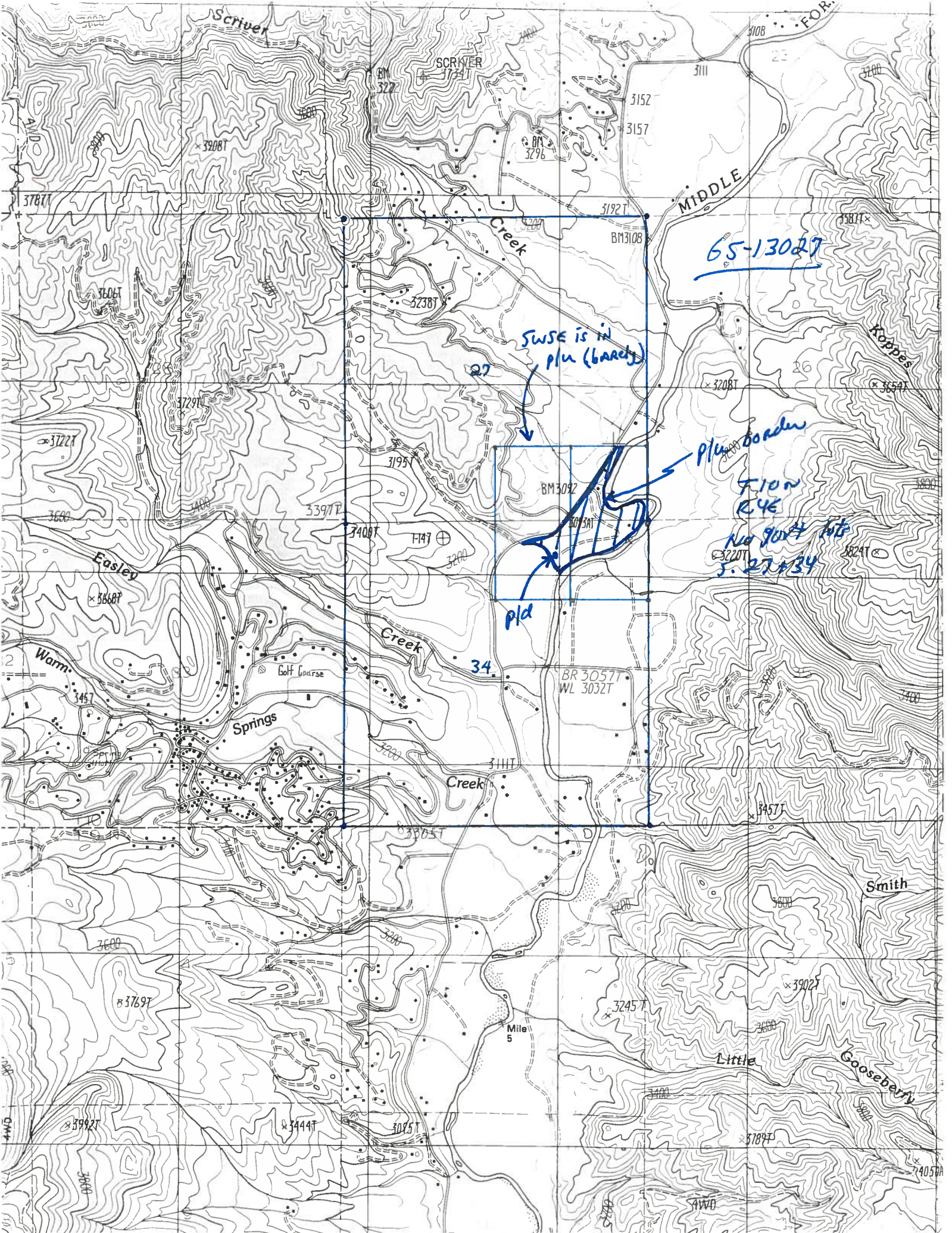


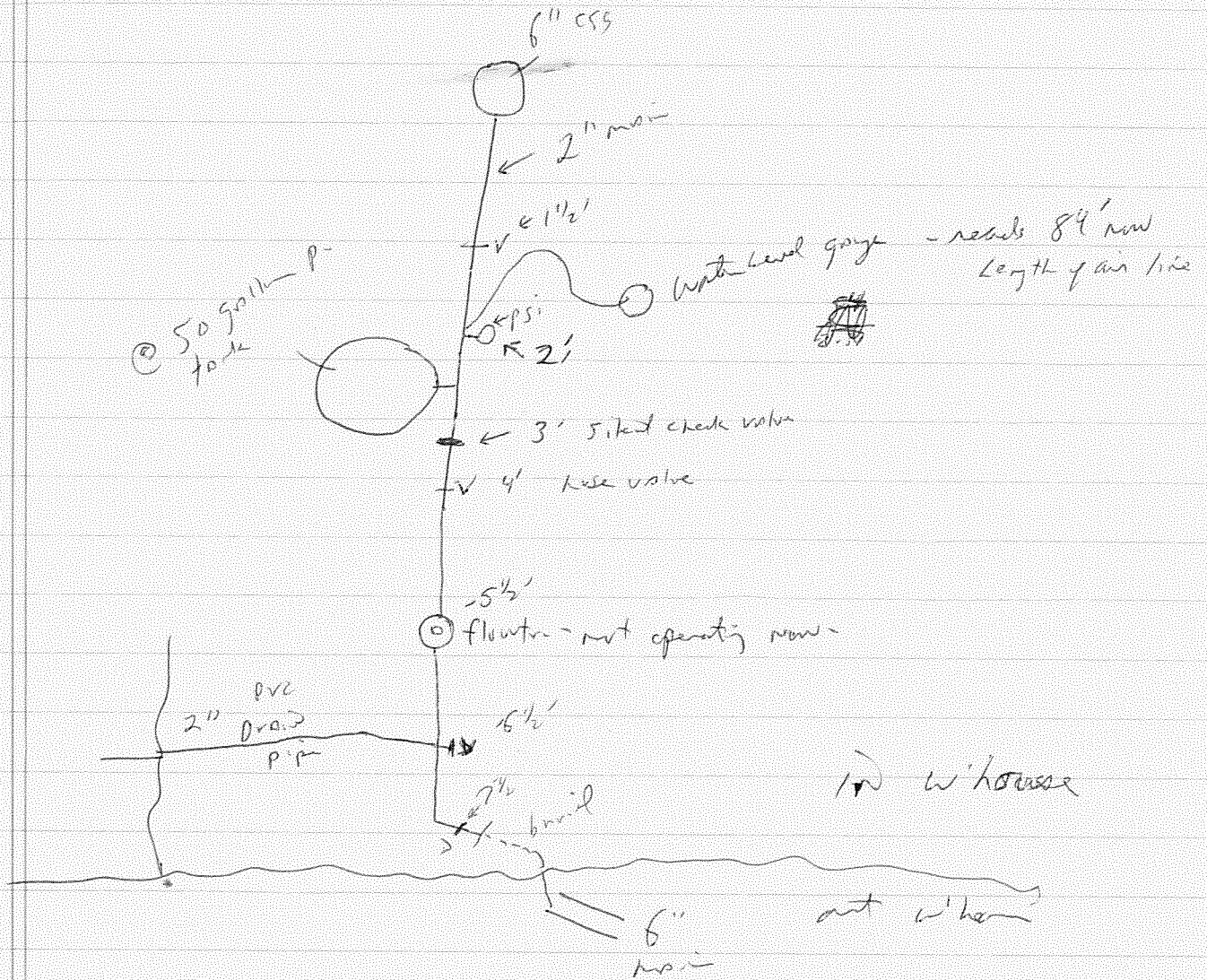
TANGENT TABLE

NO.	BEARING	L	NO.	BEARING	L
1-1	N 42°45'00" W	72.22	1-12	S 80°37'00" E	137.20
1-2	N 42°45'00" W	109.11	1-13	S 80°37'00" E	137.20
1-3	N 42°45'00" W	219.18	1-14	S 80°37'00" E	137.20
1-4	N 42°45'00" W	153.85	1-15	S 80°37'00" E	137.20
1-5	N 42°45'00" W	153.85	1-16	S 80°37'00" E	137.20
1-6	N 42°45'00" W	153.85	1-17	S 80°37'00" E	137.20
1-7	N 42°45'00" W	153.85	1-18	S 80°37'00" E	137.20
1-8	N 42°45'00" W	153.85	1-19	S 80°37'00" E	137.20
1-9	N 42°45'00" W	153.85	1-20	S 80°37'00" E	137.20
1-10	N 42°45'00" W	153.85	1-21	S 80°37'00" E	137.20
1-11	N 42°45'00" W	153.85	1-22	S 80°37'00" E	137.20

CURVE TABLE

NO.	CH BEARING	CH L	R	Δ	ARCL TAN.
C-1	S 42°25'30" W	81.70	125.00'	83.23'	43.22'
C-2	S 74°15'00" W	286.14	1034.45'	140.30'	246.82'





IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: _____ OTHER APPLICABLE NO: 65-13027

2. OWNER: _____ Phone: _____
Address: _____

3. WELL LOCATION: Twp _____, Rge. _____, Sec. _____, _____ 1/4 _____ 1/4
County _____ (Provide sketch map and photo on reverse.)

4. DRILLER: _____ Lic. No. _____
When Drilled? _____

5. WELL CONSTRUCTION:
Casing Diameter 6 inches Water tight cap? [☒] Yes [☐] No Access Port: [☒] Yes [☐] No
Casing $\geq$ 12 inches above ground? [☒] Yes [☐] No - Describe _____
Depth of Casing _____ ft. Method Drilled _____
Condition of Well Casing: [☒] Good [☐] Fair [☐] Poor Describe _____
Control Valve? [☒] Yes [☐] No Pressure Gauge: [☒] Yes [☐] No
Condition of Piping and Valving good
Auger to a depth of _____ ft. Evidence of Annular Seal [☐] Yes [☐] No
Are there obvious construction problems that may be a source for contamination or waste of water?
[☐] Yes [☒] No (Describe in Remarks and Attach Photo - On Reverse)

6. HYDROLOGIC INFORMATION: owners estimate
Depth to Static Water 40 ft. Water Temperature cold °F
Flowing Artesian [☐] Yes [☒] No Pressure: _____ (psi)
Water Sample Taken? [☐] Yes [☒] No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____

7. WELL USE:
[☒] Domestic [☒] Irrigation [☐] Stock
[☐] Test [☐] Municipal [☐] Industrial
[☐] Abandoned [☐] Waste Disposal/Injection [☐] Not Used
[☐] Other: _____

Pine Tree Rowel S.W.B. #11 - 26 units + yards

8. POSSIBLE CONTAMINATION SOURCES:

Is there evidence of Chemigation? ☐ Yes ☒ No

If yes, is there a check-valve present? ☐ Yes ☐ No

Is there a possible source of contamination nearby? ☐ Yes ☒ No

If yes, what Type? _____

How far away from the well is this source? _____

9. REMARKS: Well in Lot 19, Pine Tree Ranch No. 11 Subd.

Well log 1989 by WGS Phillips shows 65-13027 but
owner says well for 65-13027 drilled c 1983.

Steve Leth

Signature of Dept. Representative & Title

9/15/93

Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS:

See 65-13027 file

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

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.

1. WELL OWNER

Name Scriber Woods Property Owners
Address Pine Tree Ranch
Crouch Rd. 83622
Owner's Permit No. P65 13027

7. WATER LEVEL

Static water level 20 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.

2. NATURE OF WORK

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

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>15</u>	<u>80</u>	<u>1</u>

3. PROPOSED USE

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

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>6"</u>	<u>0</u>	<u>1</u>	<u>TOP SOIL</u>		☒
	<u>1</u>	<u>6</u>	<u>GRAVEL</u>		☒
	<u>6</u>	<u>40</u>	<u>CLAY</u>		☒
	<u>40</u>	<u>47</u>	<u>SAND GRAVEL CLAY</u>	☒	
	<u>47</u>	<u>55</u>	<u>CLAY</u>		☒
	<u>55</u>	<u>63</u>	<u>GRANITE</u>		☒
	<u>63</u>	<u>73</u>	<u>CLAY</u>		☒
	<u>73</u>	<u>83</u>	<u>SAND GRAVEL CLAY</u>	☒	
	<u>83</u>	<u>95</u>	<u>CLAY</u>		☒
	<u>95</u>	<u>103</u>	<u>SAND GRAVEL CLAY</u>	☒	

4. METHOD DRILLED

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

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>1.250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>83</u> feet
<u>1.250</u> inches	<u>5</u> inches	<u>82</u> feet	<u>103</u> feet

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☒ Torch ☐ Gun
Size of perforation 1/8" inches by 4 inches

Number	From	To
<u>72</u> perforations	<u>21</u> feet	<u>83</u> feet
<u>48</u> perforations	<u>97</u> feet	<u>103</u> feet

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

Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 18 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Pudding clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☒ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

RECEIVED
JAN 15 1990

Department of Water Resources
Western Regional Office

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR
BALLPOINT PEN

WELL DRILLER'S REPORT

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.

1. WELL OWNER

Name SWEENEY, HAROLD
Address HC 76 BOX 2505
GARDEN VALLEY, ID 83622
Drilling Permit No. 65-93-W-0068
Water Right Permit No. _____

7. WATER LEVEL

Static water level 30 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.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase ☐ Modification
☐ Abandoned (describe abandonment or modification procedures such as liners, screen, materials, plug depths, etc. in lithologic log, section 9.)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
35	50	1

3. PROPOSED USE

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

4. METHOD DRILLED

[illegible]

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness 250 inches Diameter 6 inches + 1 feet 59 feet

_____ inches _____ inches _____ feet _____ feet

_____ inches _____ inches _____ feet _____ feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun

Size of perforation? _____ inches by _____ inches

Number _____ From _____ To _____

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer _____ Type _____

Top Packer or Headpipe _____

Bottom of Tailpipe _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

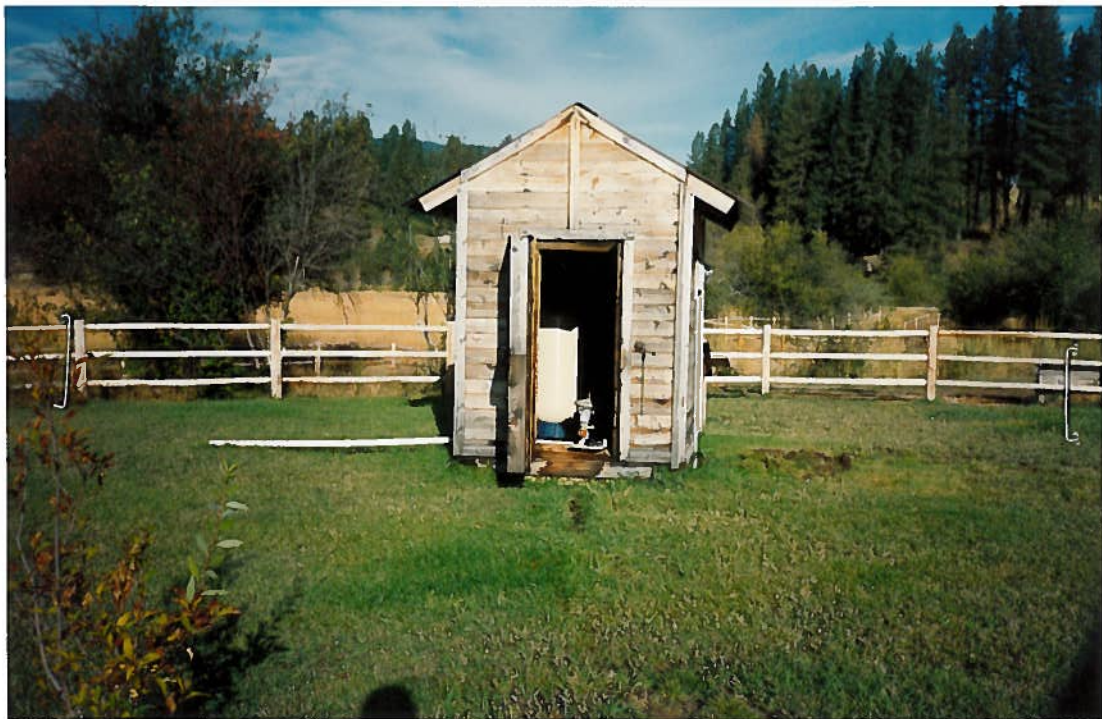
Surface seal depth 8 Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Puddling clay ☐ _____

Sealing procedure used: ☐ Slurry pit

9. LITHOLOGIC LOG

[illegible]





MEMORANDUM

TO: STEVE LESTER FOR BENEFICIAL USE EXAM 65-13027

FROM: DANIEL A. NELSON *DAN*

DATE: 6/30/1999

SUBJECT: PLACE OF USE FOR BENEFICIAL USE EXAM 65-13027.

While working on the New Century Promotions' (NCP) application for permit the owners informed me that the a representative from Pine Tree Ranch Inc. (PTR) came to him and stated that NCP was not stubbed into PTR's water system and that they would not let them tie into the system. I have enclosed a map with this memo to show you which lot I am speaking of.

PINE TREE RANCH NO. 11

SITUATED IN THE SE 1/4 OF SECTION 27 AND THE NE 1/4 OF SECTION 34, T10N, R4E, B.M., BOISE COUNTY, IDAHO

107

ROYLANCE ENGINEERING - 1980



X = Existing Lines
Lot 7, 10, 16, 18, 23

Office - West
Sewer & well

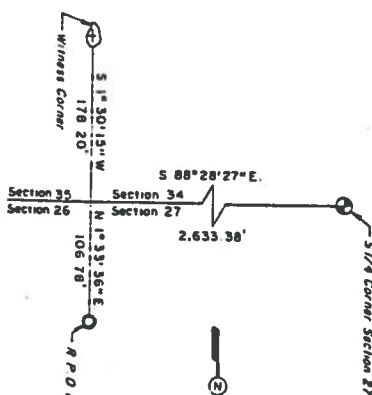
NOTES

- Boise County assumes no responsibility for maintenance or other removal from roads as plotted herein. Subject to Boise County Ordinance, dated May 27, 1978.
- A 10' Utility and Drainage Easement exists inside all lot lines, along the subdivision boundary, except along road easements, and a 10' easement will be centered on all interior lot lines, except along road easements.
- All road easements shown herein will be 66' wide and will not be for the use of the public unless otherwise designated and will provide for drainage and utilities.
- All areas shown, are approximate and for tax purposes only.
- Lot shall not be reduced in size.

LEGEND

- Found Stone Monument
- Found Brass Cap
- Set 1/2" x 24" Steel Pin
- Set 5/8" x 30" Steel Pin
- Easement Line
- Subdivision Boundary
- Lot Number
- Set 2" x 35" Iron Pipe
- Existing Spring

DETAIL LAND CORNER TIES



NTS

TANGENT TABLE

NO.	BEARING	L.	NO.	BEARING	L.
1-1	N 43° 41' 00" E	12.81	1-12	S 80° 21' 00" E	137.20
1-2	N 70° 09' 00" E	166.24	1-13	S 87° 05' 00" W	138.06
1-3	N 52° 22' 00" E	70.34	1-14	S 87° 05' 00" W	138.06
1-4	N 52° 12' 00" E	88.22	1-15	S 87° 05' 00" W	138.06
1-5	N 36° 43' 00" E	256.69	1-16	S 87° 05' 00" W	138.06
1-6	N 39° 41' 00" E	87.66	1-17	S 87° 05' 00" W	138.06
1-7	N 52° 22' 00" E	70.34	1-18	S 87° 05' 00" W	138.06
1-8	N 52° 12' 00" E	88.22	1-19	S 87° 05' 00" W	138.06
1-9	N 36° 43' 00" E	256.69	1-20	S 87° 05' 00" W	138.06
1-10	N 39° 41' 00" E	87.66	1-21	S 87° 05' 00" W	138.06
1-11	N 52° 22' 00" E	70.34	1-22	S 87° 05' 00" W	138.06
1-12	N 52° 12' 00" E	88.22	1-23	S 87° 05' 00" W	138.06
1-13	N 36° 43' 00" E	256.69	1-24	S 87° 05' 00" W	138.06
1-14	N 39° 41' 00" E	87.66	1-25	S 87° 05' 00" W	138.06
1-15	N 52° 22' 00" E	70.34	1-26	S 87° 05' 00" W	138.06
1-16	N 52° 12' 00" E	88.22	1-27	S 87° 05' 00" W	138.06
1-17	N 36° 43' 00" E	256.69	1-28	S 87° 05' 00" W	138.06
1-18	N 39° 41' 00" E	87.66	1-29	S 87° 05' 00" W	138.06
1-19	N 52° 22' 00" E	70.34	1-30	S 87° 05' 00" W	138.06
1-20	N 52° 12' 00" E	88.22	1-31	S 87° 05' 00" W	138.06
1-21	N 36° 43' 00" E	256.69	1-32	S 87° 05' 00" W	138.06
1-22	N 39° 41' 00" E	87.66	1-33	S 87° 05' 00" W	138.06
1-23	N 52° 22' 00" E	70.34	1-34	S 87° 05' 00" W	138.06
1-24	N 52° 12' 00" E	88.22	1-35	S 87° 05' 00" W	138.06
1-25	N 36° 43' 00" E	256.69	1-36	S 87° 05' 00" W	138.06
1-26	N 39° 41' 00" E	87.66	1-37	S 87° 05' 00" W	138.06
1-27	N 52° 22' 00" E	70.34	1-38	S 87° 05' 00" W	138.06
1-28	N 52° 12' 00" E	88.22	1-39	S 87° 05' 00" W	138.06
1-29	N 36° 43' 00" E	256.69	1-40	S 87° 05' 00" W	138.06
1-30	N 39° 41' 00" E	87.66	1-41	S 87° 05' 00" W	138.06
1-31	N 52° 22' 00" E	70.34	1-42	S 87° 05' 00" W	138.06
1-32	N 52° 12' 00" E	88.22	1-43	S 87° 05' 00" W	138.06
1-33	N 36° 43' 00" E	256.69	1-44	S 87° 05' 00" W	138.06
1-34	N 39° 41' 00" E	87.66	1-45	S 87° 05' 00" W	138.06
1-35	N 52° 22' 00" E	70.34	1-46	S 87° 05' 00" W	138.06
1-36	N 52° 12' 00" E	88.22	1-47	S 87° 05' 00" W	138.06
1-37	N 36° 43' 00" E	256.69	1-48	S 87° 05' 00" W	138.06
1-38	N 39° 41' 00" E	87.66	1-49	S 87° 05' 00" W	138.06
1-39	N 52° 22' 00" E	70.34	1-50	S 87° 05' 00" W	138.06
1-40	N 52° 12' 00" E	88.22	1-51	S 87° 05' 00" W	138.06
1-41	N 36° 43' 00" E	256.69	1-52	S 87° 05' 00" W	138.06
1-42	N 39° 41' 00" E	87.66	1-53	S 87° 05' 00" W	138.06
1-43	N 52° 22' 00" E	70.34	1-54	S 87° 05' 00" W	138.06
1-44	N 52° 12' 00" E	88.22	1-55	S 87° 05' 00" W	138.06
1-45	N 36° 43' 00" E	256.69	1-56	S 87° 05' 00" W	138.06
1-46	N 39° 41' 00" E	87.66	1-57	S 87° 05' 00" W	138.06
1-47	N 52° 22' 00" E	70.34	1-58	S 87° 05' 00" W	138.06
1-48	N 52° 12' 00" E	88.22	1-59	S 87° 05' 00" W	138.06
1-49	N 36° 43' 00" E	256.69	1-60	S 87° 05' 00" W	138.06
1-50	N 39° 41' 00" E	87.66	1-61	S 87° 05' 00" W	138.06
1-51	N 52° 22' 00" E	70.34	1-62	S 87° 05' 00" W	138.06
1-52	N 52° 12' 00" E	88.22	1-63	S 87° 05' 00" W	138.06
1-53	N 36° 43' 00" E	256.69	1-64	S 87° 05' 00" W	138.06
1-54	N 39° 41' 00" E	87.66	1-65	S 87° 05' 00" W	138.06
1-55	N 52° 22' 00" E	70.34	1-66	S 87° 05' 00" W	138.06
1-56	N 52° 12' 00" E	88.22	1-67	S 87° 05' 00" W	138.06
1-57	N 36° 43' 00" E	256.69	1-68	S 87° 05' 00" W	138.06
1-58	N 39° 41' 00" E	87.66	1-69	S 87° 05' 00" W	138.06
1-59	N 52° 22' 00" E	70.34	1-70	S 87° 05' 00" W	138.06
1-60	N 52° 12' 00" E	88.22	1-71	S 87° 05' 00" W	138.06
1-61	N 36° 43' 00" E	256.69	1-72	S 87° 05' 00" W	138.06
1-62	N 39° 41' 00" E	87.66	1-73	S 87° 05' 00" W	138.06
1-63	N 52° 22' 00" E	70.34	1-74	S 87° 05' 00" W	138.06
1-64	N 52° 12' 00" E	88.22	1-75	S 87° 05' 00" W	138.06
1-65	N 36° 43' 00" E	256.69	1-76	S 87° 05' 00" W	138.06
1-66	N 39° 41' 00" E	87.66	1-77	S 87° 05' 00" W	138.06
1-67	N 52° 22' 00" E	70.34	1-78	S 87° 05' 00" W	138.06
1-68	N 52° 12' 00" E	88.22	1-79	S 87° 05' 00" W	138.06
1-69	N 36° 43' 00" E	256.69	1-80	S 87° 05' 00" W	138.06
1-70	N 39° 41' 00" E	87.66	1-81	S 87° 05' 00" W	138.06
1-71	N 52° 22' 00" E	70.34	1-82	S 87° 05' 00" W	138.06
1-72	N 52° 12' 00" E	88.22	1-83	S 87° 05' 00" W	138.06
1-73	N 36° 43' 00" E	256.69	1-84	S 87° 05' 00" W	138.06
1-74	N 39° 41' 00" E	87.66	1-85	S 87° 05' 00" W	138.06
1-75	N 52° 22' 00" E	70.34	1-86	S 87° 05' 00" W	138.06
1-76	N 52° 12' 00" E	88.22	1-87	S 87° 05' 00" W	138.06
1-77	N 36° 43' 00" E	256.69	1-88	S 87° 05' 00" W	138.06
1-78	N 39° 41' 00" E	87.66	1-89	S 87° 05' 00" W	138.06
1-79	N 52° 22' 00" E	70.34	1-90	S 87° 05' 00" W	138.06
1-80	N 52° 12' 00" E	88.22	1-91	S 87° 05' 00" W	138.06
1-81	N 36° 43' 00" E	256.69	1-92	S 87° 05' 00" W	138.06
1-82	N 39° 41' 00" E	87.66	1-93	S 87° 05' 00" W	138.06
1-83	N 52° 22' 00" E	70.34	1-94	S 87° 05' 00" W	138.06
1-84	N 52° 12' 00" E	88.22	1-95	S 87° 05' 00" W	138.06
1-85	N 36° 43' 00" E	256.69	1-96	S 87° 05' 00" W	138.06
1-86	N 39° 41' 00" E	87.66	1-97	S 87° 05' 00" W	138.06
1-87	N 52° 22' 00" E	70.34	1-98	S 87° 05' 00" W	138.06
1-88	N 52° 12' 00" E	88.22	1-99	S 87° 05' 00" W	138.06
1-89	N 36° 43' 00" E	256.69	1-100	S 87° 05' 00" W	138.06
1-90	N 39° 41' 00" E	87.66	1-101	S 87° 05' 00" W	138.06
1-91	N 52° 22' 00" E	70.34	1-102	S 87° 05' 00" W	138.06
1-92	N 52° 12' 00" E	88.22	1-103	S 87° 05' 00" W	138.06
1-93	N 36° 43' 00" E	256.69	1-104	S 87° 05' 00" W	138.06
1-94	N 39° 41' 00" E	87.66	1-105	S 87° 05' 00" W	138.06
1-95	N 52° 22' 00" E	70.34	1-106	S 87° 05' 00" W	138.06
1-96	N 52° 12' 00" E	88.22	1-107	S 87° 05' 00" W	138.06
1-97	N 36° 43' 00" E	256.69	1-108	S 87° 05' 00" W	138.06
1-98	N 39° 41' 00" E	87.66	1-109	S 87° 05' 00" W	138.06
1-99	N 52° 22' 00" E	70.34	1-110	S 87° 05' 00" W	138.06
1-100	N 52° 12' 00" E	88.22	1-111	S 87° 05' 00" W	138.06
1-101	N 36° 43' 00" E	256.69	1-112	S 87° 05' 00" W	138.06
1-102	N 39° 41' 00" E	87.66	1-113	S 87° 05' 00" W	138.06
1-103	N 52° 22' 00" E	70.34	1-114	S 87° 05' 00" W	138.06
1-104	N 52° 12' 00" E	88.22	1-115	S 87° 05' 00" W	138.06
1-105	N 36° 43' 00" E	256.69	1-116	S 87° 05' 00" W	138.06
1-106	N 39° 41' 00" E	87.66	1-117	S 87° 05' 00" W	138.06
1-107	N 52° 22' 00" E	70.34	1-118	S 87° 05' 00" W	138.06
1-108	N 52° 12' 00" E	88.22	1-119	S 87° 05' 00" W	138.06
1-109	N 36° 43' 00" E	256.69	1-120	S 87° 05' 00" W	138.06
1-110	N 39° 41' 00" E	87.66	1-121	S 87° 05' 00" W	138.06
1-111	N 52° 22' 00" E	70.34	1-122	S 87° 05' 00" W	138.06
1-112	N 52° 12' 00" E	88.22	1-123	S 87° 05' 00" W	138.06
1-113	N 36° 43' 00" E	256.69	1-124	S 87° 05' 00" W	138.06
1-114	N 39° 41' 00" E	87.66	1-125	S 87° 05' 00" W	138.06
1-115	N 52° 22' 00" E	70.34	1-126	S 87° 05' 00" W	138.06
1-116	N 52° 12' 00" E	88.22	1-127	S 87° 05' 00" W	138.06
1-117	N 36° 43' 00" E	256.69	1-128	S 87° 05' 00" W	138.06
1-118	N 39° 41' 00" E	87.66	1-129	S 87° 05' 00" W	138.06
1-119	N 52° 22' 00" E	70.34	1-130	S 87° 05' 00" W	138.06
1-120	N 52° 12' 00" E	88.22	1-131	S 87° 05' 00" W	138.06
1-121	N 36° 43' 00" E	256.69	1-132	S 87° 05' 00" W	138.06
1-122	N 39° 41' 00" E	87.66	1-133	S 87° 05' 00" W	138.06
1-123	N 52° 22' 00" E	70.34	1-134	S 87° 05' 00" W	138.06
1-124	N 52° 12' 00" E	88.22	1-135	S 87° 05' 00" W	138.06
1-125	N 36° 43' 00" E	256.69	1-136	S 87° 05' 00" W	138.06
1-126	N 39° 41' 00" E	87.66	1-137	S 87° 05' 00" W	138.06
1-127	N 52° 22' 00" E	70.34	1-138	S 87° 05' 00" W	138.06
1-128	N 52° 12' 00" E	88.22	1-139	S 87° 05' 00" W	138.06
1-129	N 36° 43' 00" E	256.69	1-140	S 87° 05' 00" W	138.06
1-130	N 39° 41' 00" E	87.66	1-141	S 87° 05' 00" W	138.06
1-131	N 52° 22' 00" E	70.34	1-142	S 87° 05' 00" W	138.06
1-132	N 52° 12' 00" E	88.22	1-143	S 87° 05' 00" W	138.06
1-133	N 36° 43' 00" E	256.69	1-144	S 87° 05' 00" W	138.06
1-134	N 39° 41' 00" E	87.66	1-145	S 87° 05' 00" W	138.06
1-135	N 52° 22' 00" E	70.34	1-146	S 87° 05' 00" W	138.06
1-136	N 52° 12' 00" E	88.22	1-147	S 87° 05' 00" W	138.06
1-137	N 36° 43' 00" E	256.69	1-148	S 87° 05' 00" W	138.06
1-138	N 39° 41' 00" E	87.66	1-149	S 87° 05' 00" W	138.06
1-139	N 52° 22' 00" E	70.34	1-150	S 87° 05' 00" W	138.06
1-140	N 52° 12' 00" E	88.22	1-151	S 87° 05' 00" W	138.06
1-141	N 36° 43' 00" E	256.69	1-152	S 87° 05' 00" W	138.06
1-142	N 39° 41' 00" E	87.66	1-153	S 87° 05' 00" W	138.06
1-143	N 52° 22' 00" E	70.34	1-154	S 87° 05' 00" W	138.06
1-144	N 52° 12' 00" E	88.22	1-155	S 87° 05' 00" W	138.06
1-145	N 36° 43' 00" E	256.69	1-156	S 87° 05' 00" W	138.06
1-146	N 39° 41' 00" E	87.66	1-157	S 87° 05' 00" W	138.06
1-147	N 52° 22' 00" E	70.34	1-158	S 87° 05' 00" W	138.06
1-148	N 52° 12' 00" E	88.22	1-159	S 87° 05' 00" W	138.06
1-149	N 36° 43' 00" E	256.69	1-160	S 87° 05' 00" W	138.06
1-150	N 39° 41' 00" E	87.66	1-161	S 87° 05' 00" W	138.06
1-151	N 52° 22' 00" E	70.34	1-162	S 87° 05' 00" W	138.06
1-152	N 52° 12' 00" E	88.22	1-163	S 87° 05' 00" W	138.06
1-153	N 36° 43' 00" E	256.69	1-164	S 87° 05' 00" W	138.06
1-154	N 39° 41' 00" E	87.66	1-165	S 87° 05' 00" W	138.06
1-155	N 52° 22' 00				