

MEMORANDUM

TO: Files 65-13361 and 65-13574

FROM: Sharla Curtis

DATE: August 20, 2014

RE: License Review

An initial field examination was conducted for Permit 65-13361 by a temporary examiner in 1994. He indicated the motor on the well was a 5 hp GE and he made a theoretical calculation of 0.14 cfs using those details. The photos contained in his field report show a log-built pumphouse and a single pressure tank. A memo dated 12/30/94 from Jan Shurte (attached to the field report) explains the mix-up in wells and states the need to re-verify the location of the correct well.

In July of 1995, Steve Lester re-visited the site with the president of the HOA and prepared a field report for Permit 65-13574. A copy of that report was used as the "Re-Exam" for 65-13361. I have reviewed both permits for the purpose of issuing licenses.

Hp = 3, Well depth = 140', 19 homes built and 26 others stubbed lines ready
All 45 units for internal use only are served by this single well; no community irrigation system. Based on 2004 exam information in municipal right 65-22358, this well was replaced and the system upgraded after these 2 domestic permit exams were done. There are now 2 municipal wells in cottage site Lot 47 and 1 of those wells is shared with these 2 permits. See memo attachment about this. "Well #2" is the overlapping POD in this case. The upgraded system can provide enough water for the municipal right and these 2 permits. System capacity for these permits is appropriately based on information from the domestic exams pre-dating the municipal upgrade.

Proof for overlapping municipal permit 65-23064 has not been filed, so that permit does not need to be included in this analysis. Therefore, rights 65-13361, 65-13574 and 65-22358 are diverted through 1 of the 2 wells in Lot 47.

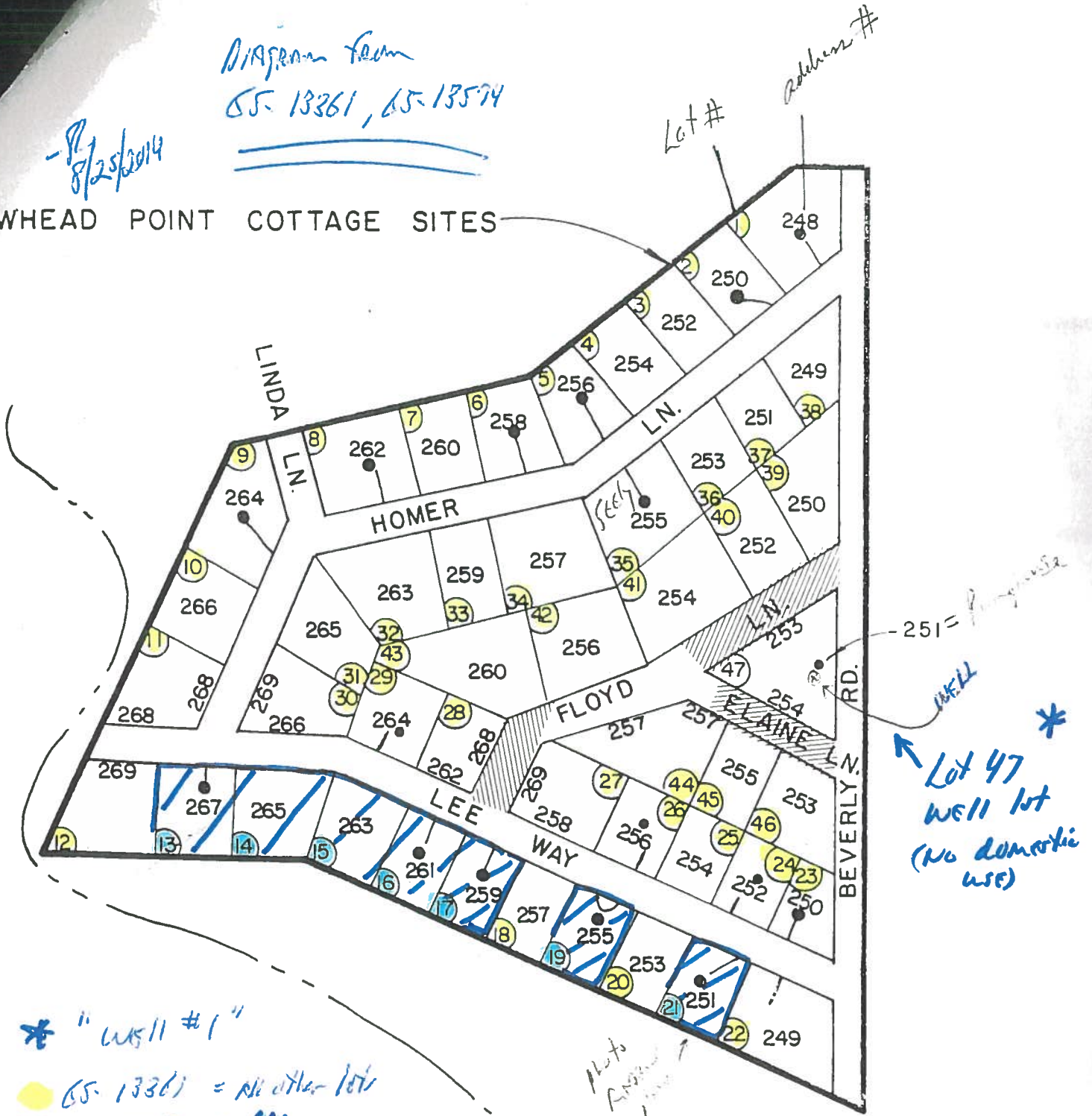
$$Q = \frac{8.8 \times .7 \times 3}{(2.31 \times 30 \text{ psi}) + 50} = \frac{18.48}{119.3} = 0.16 \text{ cfs}$$

The permit holder paid exam fee for 0.20 cfs (63-13361). Using the smallest psi that I could (based on Steve's exam comment identifying 30-40 psi) and using static water level (according to president of the HOA referenced in Steve's report) plus a very small amount of drawdown, the calculation yields 0.16 cfs. The HP equation is slightly more than 75% of the exam fee rate, therefore, in this case it is appropriate to allow 0.20 cfs as the system capacity to be licensed. The other permit (65-13574) will be licensed for the permitted rate of 0.12 cfs with conditions placed on both rights limiting combined rate to 0.20 cfs.

Diagram from
CS 13361, CS 13574

- 8/25/2014

ROWHEAD POINT COTTAGE SITES



* "well #1"

● CS 13361 = another lot

● CS 13574 = ///

After these events: North Lake Rec 5th District, municipal use

CS 22358 lease ~ well #1 replaced by "well #2", pump etc upgraded
 CS 23064 permit and "well #3" added, all in Lot 47

SO PUD overlap "well #2" < CS 13361 & CS 13574 = cottage sites
 CS 22358 = municipal area
 (CS 23064 parking)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

This report is for
Exam 65-13574 &
RE-Exam 65-13361

A. GENERAL INFORMATION

Permit No. 65-13574

1. Owner: Arrowhead Point Subd. Homeowners Assn. Phone No. 375-4916

Current Address: 1/2 James Seely, 2010 S. Eagleson Rd, Boise, ID 83705

2. Accompanied by: JAMES SEELY EXAM DATE: 7/20/95

Address: — as above — Phone No.

Relationship to Permit Holder: President

3. Source: Groundwater tributary to

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

2. Other water rights with the same point of diversion:

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	—		NW	SE	4	15N	3E	1/41E	7 1/2' fups + Volley Co. Rural address plat

2. Place(s) of Use:

Indicate Method of Determination Jame

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
15N	3E	4													D				—

NO irrigation ↑
from this system

1 well - entire sub. - via 2 rights:

E. NARRATIVE/REMARKS/COMMENTS

8", 140' well with 3 hp subm. motor/pump serves 3" main to pump house located e 15' north of well.

In pump house, main splits into 3" & 2" delivery mains, and each unit employs 3/4" or 1" hookup. 19 homes built, ~~and~~ 26 other lots have stubbed lines ready and

for use (observed a number of stubbed lines at lots during exam). Two pressure tanks in pump house help regulate use.

Internal use only. Seems to supply adequate water per Mr. Seely.

D.P. 65-91-10-076 (issued for 65-12780, lapsed).

Data -

D/45 int. only

normal psi ~ 40 (Range ~ 30-40 psi)

Station ~ 20' (log)

Z ~ 30' (President)

No pumping data available after well drilled.

Can hook up 2-3 hp suppl. pump but have not done this yet - so effective hp is 3.

Per 1994 exam 65-13361 & J.S. memo dated 12/30/94 found id that file & Mr. Seely's current info:

65-13361 used to be served by other well(s) but switched to new well drilled 8/91. Now both rights for all 45 units.

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

Served only by this single well.

This all occurred prior to 1994

So orig. exam info in 65-13361 somewhat incorrect.

Overlap - no other users from this well; no other providers of

community water this subd.; no community irrig. system.

F. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: HP Eq. 1, see data previous p's

$$C2 = \frac{8.8 \times .7 \times 3}{(2.31)(1) +} =$$

G. VOLUME CALCULATIONS1. Volume Calculations for Irrigation: N/A $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____2. Volume Calculations for Other Uses: 0/45 int total but covered is 2 rights**H. RECOMMENDATIONS****1. Recommended Amounts**

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

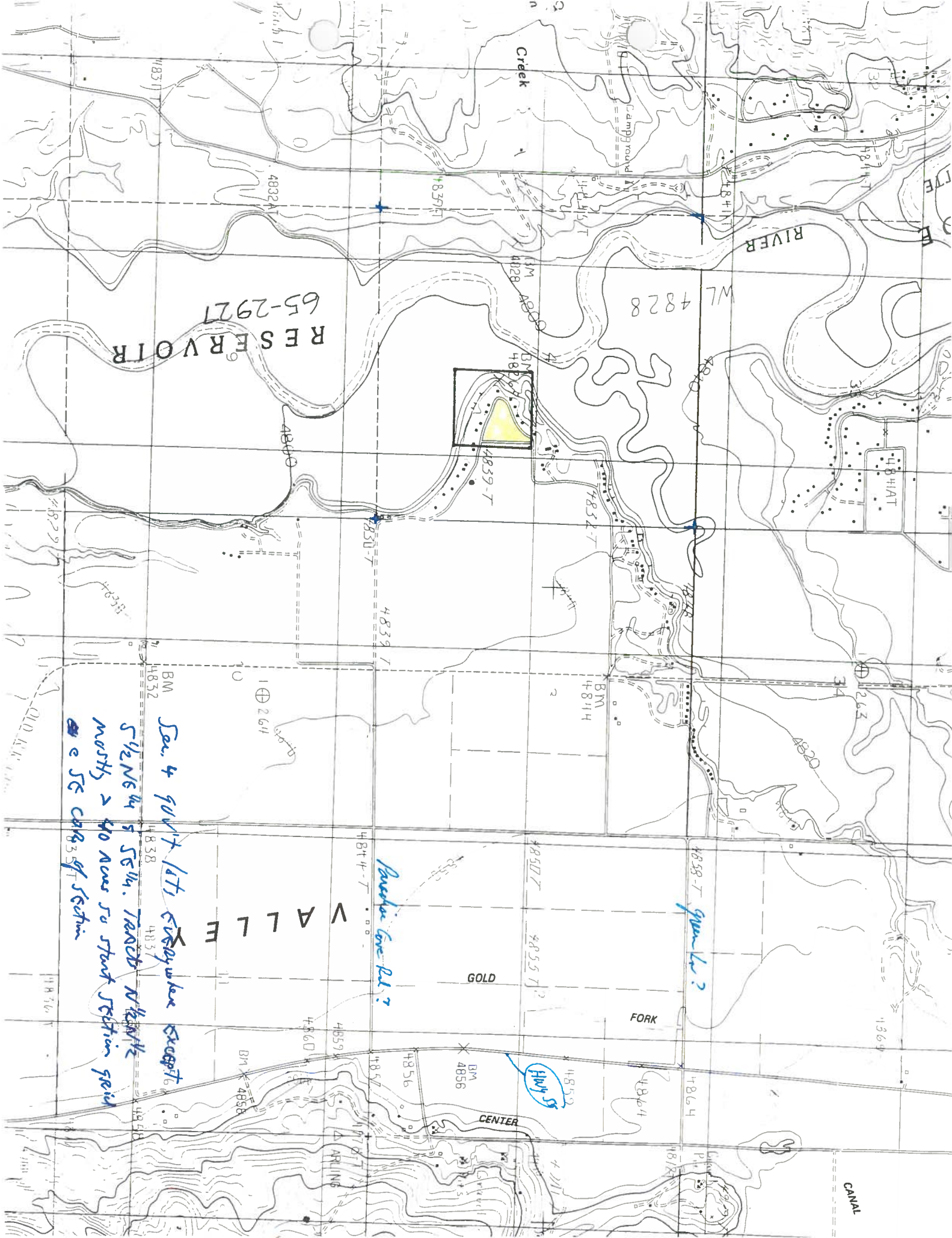
2. Recommended Amendments

____ 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

I. AUTHENTICATIONField Examiner's Name Steve Lester Date 7/20/95

Reviewer _____ Date _____

SEAL



RESERVOIR
65-2921

Sec. 4 90' x 141' 5" irregular except
S 1/2 NE 1/4 S 56 1/4. Tract N 1/2 NW 1/4
mostly > 40 acres so start section grid
at SE corner of section

Parish Ave Rd?

granite?

fly 59

V A L L E E

GOLD

FORK

CENTER

CANAL

Creek

RIVER

4841AT

BM
48114

BM
4832

BM
4856

4859

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IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

*issued for 65-12780,
(new log sheet)*

65-13361

1. DRILLING PERMIT NO: 65-91-W-076 OTHER APPLICABLE NO: 65-13574

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 8 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 } *in pump house*
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)

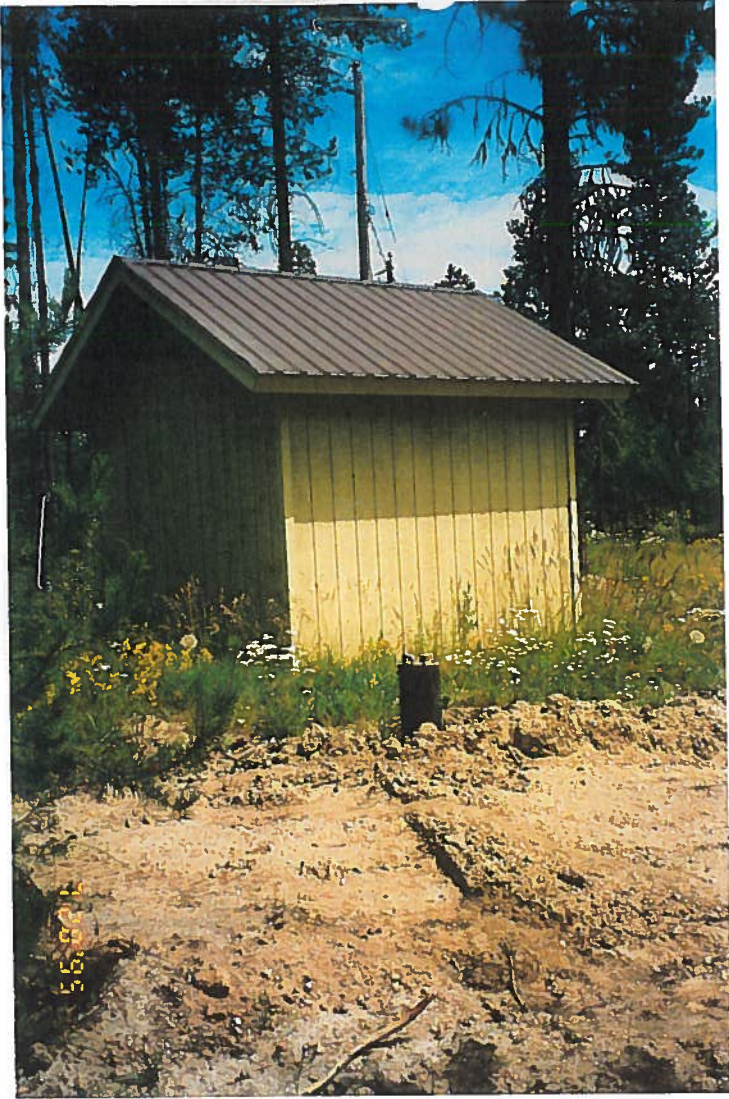
6. HYDROLOGIC INFORMATION:

Depth to Static Water 20 ft. Water Temperature _____ °F
Flowing Artesian ☐ Yes ☒ No Pressure: typically 30-40 (psi)
Water Sample Taken? ☐ Yes ☒ No If yes, describe purpose _____
Water Quality Measurements/Observations (Describe) _____

7. WELL USE:

community well
☒ Domestic *0/45* ☐ Irrigation ☐ Stock
☐ Test ☐ Municipal ☐ Industrial
☐ Abandoned ☐ Waste Disposal/Injection ☐ Not Used
☐ Other: _____

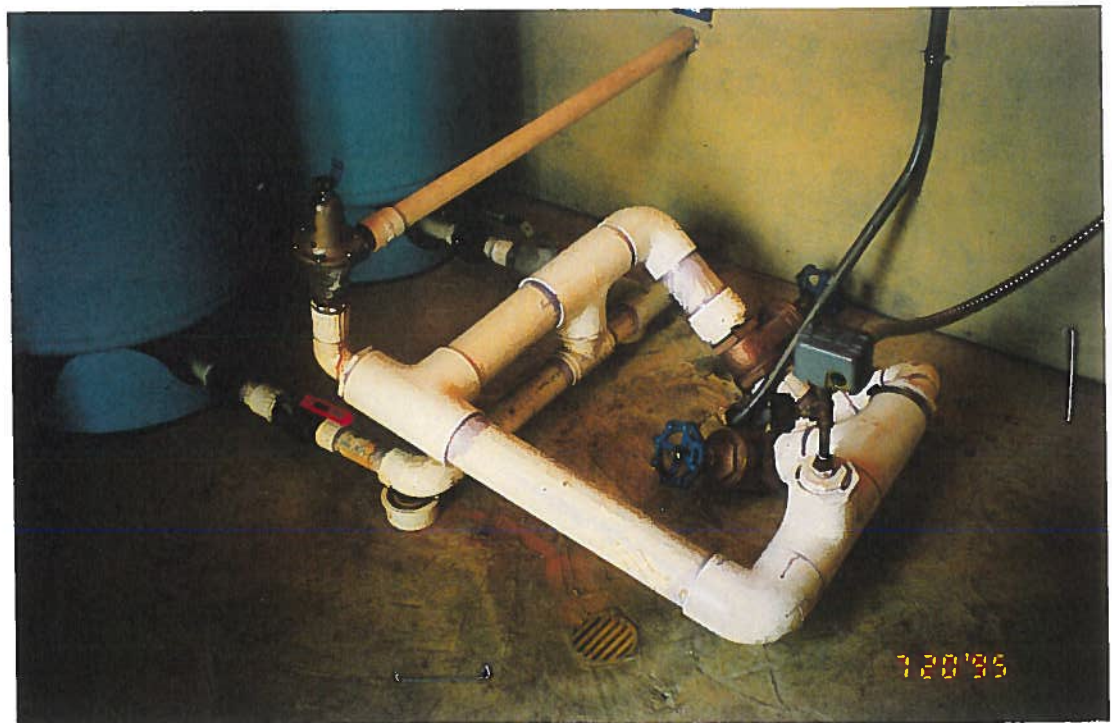
1) well & pump house



2) in pump house

1 In line from
well

2 Out lines
to units



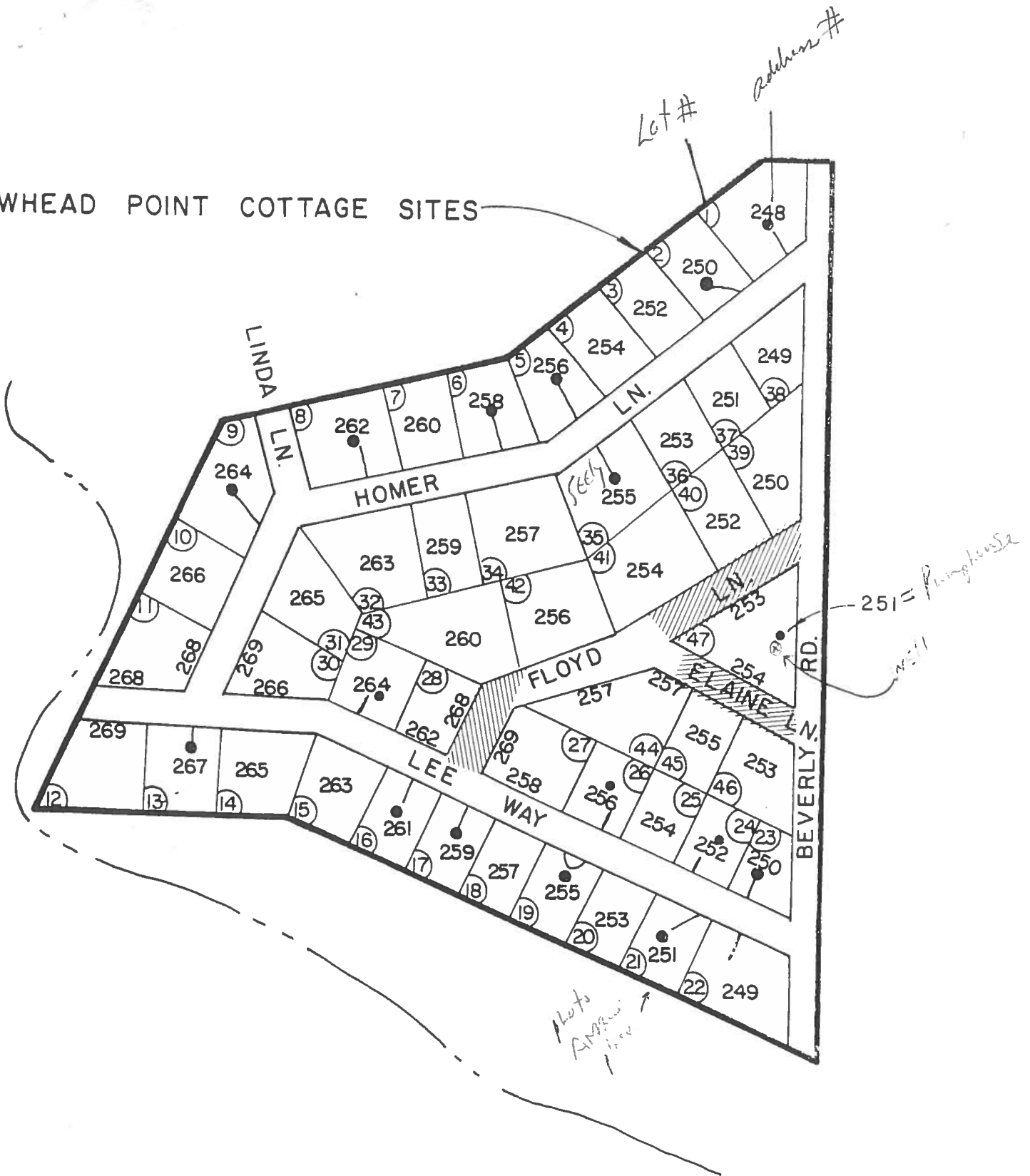


3) Typical
hook-up line
& marker

4) Typical
domestic unit
This one is
251 Lee Way



ROWHEAD POINT COTTAGE SITES



▲
MOUNTAIN SHADOWS SUBDIVISION NO

DONALD GEORGE LOOMIS SUBDIVISION

MOUNTAIN SHADOWS NO.3 SUBQ.

GLENDORA SUBDIVISION

GLENDORA SUBDIVISION NO.2

Z

A horizontal scale bar with tick marks at 0, 250, and 500 feet. The text "SCALE IN" is centered below the bar.

CONVERSATION MEMORANDUM

DATE 7/18/95FILE 65-13361NAME OF PARTY Jim Feely

-13574

EMPLOYEE Therese LesterRE: Exam - Drop by OK, his wife will be
here

At 255 Homer Ln.

it is home, ✓ across st to left of Dunkins,
dark brown house, set back

now 1 well (new)

was 3 wells

1 Abandon

1 former other property

1 new one does all

D/7 old system/old well } D/45 new all
D/38 new " new " } new well

± 19 lower ID; structural lots others

not use only; no yard how system for community

5 hp, ~135' setting

call Glen Lewis 325-8851 if need specs.

Directions From Bridge Hwy 55: 10-1 miles, L on
Kendall Rd, ~1 1/2 mi to old state hwy, R @ 1 1/2 mi,L on Dayton Rd, go ~2 miles, corner etc., then R on
Homer Ln (sign), stay on, go R (on straight) @ 1/4, 1st on left,
red roof. It is home. try x st. to L. Dunkins, dark brownHis wife
Therese
@
255 Homer
Ln

CONVERSATION MEMORANDUM

DATE 7/12/95NAME OF PARTY Arrmtl. Of SUBD.
James Joly 375-4916FILE 65-13361EMPLOYEE Steve Latta65-13574RE: RE-Exam + Exam
(13361) (13574)

Left msg today - call me, hope for 7/20 p.m.
exam (a.m. = probab conf. after WR⁽¹²⁾)

SUBD plot
County address book plot
turn / author

7/14 called again - left msg. again
- also got # for pager 887-0722,
left msg. there also

MEMORANDUM

DATE: December 30, 1994
TO: APP. FOR PERMIT 65-13574 & PERMIT NO. 65-13361
FROM: JAN SHURTE
SUBJECT: EXAM CONDUCTED ON PERMIT NO. 65-13361

*this memo is
part of field exam*

Permit No. 65-13361 was originally filed for 38 homes with two points of diversion listed in the NESE & NWSE, Sec. 4, Twp. 15N, Rge. 3E. Per James Seeley, President of the Arrowhead Point Subdivision Homeowners Association, the original well drilled under this permit, located in the NESE, S. 4 was used for both the Arrowhead Point Subdivision and for 13 other homes in the Mountain Shadows #3 & Glendora Subdivision covered under Right No. 65-07837. A new well was drilled in the NWSE, S. 4 in August of 1991, to be used solely for the Arrowhead Point Subdivision and the well in the NESE, S. 4 began being used solely for the 13 homes in the Mountain Shadows #3 & Glendora Subdivision. Both wells were drilled for Glenn Loomis, the developer of all three subdivisions. So, Permit No. 65-13361 uses the well located in the NWSE, S4 and Right No. 65-07837 uses the well located in the NESE, S. 4.

License

When the exam was conducted for Permit No. 65-13361, the field examiner did include a description of the well located in the NWSE, S. 4, plus the well log, however, the location for the point of diversion listed the NESE, S. 4 and the picture of the well house is a picture of the well used for the 13 homes in the other two subdivisions. This information came from James Seeley, Pres., Arrowhead Point Subdivision. Also from James Seeley came the information that all of the 44-45 lots in the Arrowhead Point Subdivision are hooked up to the water system even though not all of the lots have homes on them. The field examiner found 18 lots with homes and recommended only 18 homes be licensed.

Application for Permit No. 65-13374 has been filed to pick up the remaining 6-7 lots previously filed on under lapsed Permit No. 65-12780 and not permitted under Permit No. 65-13361.

Due to the above information it appears a re-exam should be conducted on Permit No. 65-13361 to re-verify the location of the well being used and to verify that all lots are connected to the water system for licensing. Once Application for Permit No. 65-13374 is approved, proof could be submitted, and possibly both field exams done at the same time.

Note: There is a Claim No. A65-09624 which shows a groundwater source for 7 lots which appears to duplicate the new application for

** just a typo - 65-13374 = Relinquished 1992 filing - SC 1/10/95*

permit 65-13⁵74. However, this right was originally decreed for water from a spring, which according to Glenn Loomis was abandoned after 1987. The claim shows a change in source from the spring to a groundwater source which would require a transfer be filed. Since the transfer approval is questionable, Mr. Loomis decided to file an application for permit for the groundwater source instead. This is Application for Permit No. 65-13⁵74 in the name of the Arrowhead Point Homeowners Association. Claim No. A65-09624 will be decided upon during the SRBA.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Staff Analysis Sheet
for
Beneficial Use Field Report

RE-Exam 7/20/95
with
65-13574 -SL

A. Prior to Conducting the Exam, the File Contains:

- ☒ Blank Field Report Form
- ☒ Copy of Permit
- ☒ Copies of any Amendments/Orders with Conditions of Approval
- ☒ Well Inspection Form (If Needed)
- ☒ Aerial Photo Required? yes ☒ no If yes: copy attached
- ☒ SRBA Attachment A Submitted to Adjudication Section
- SRBA Claim Check Received (initial & date)
- ☒ N/A Applicable, See Attachment A
- ☒ Copy of U.S.G.S. Quad
- ☒ Check for Government Lots. If so, make a copy of government plat
- ☒ Check of P/D index Dave King 7-15-94 (initial & date)
- Overlap yes no If yes: copy of exam(s) attached?
- Type of Overlap? Add acres or uses to existing system
- Increase rate of flow or volume
- Other:
- ☒ Check of P/U index Dave King 7-15-94 (initial & date)
- Overlap? yes no If yes: copy of water right(s) attached?
- Type of Overlap? Increase rate of flow or volume
- Add P/D's
- Increase number of acres within tracts
- Other:
- ☒ Scheduling Letter Sent? Dave King 7-15-94 (initial & date)
- ☒ Appointment Made and Telephone Conversation Memo Attached

B. After Conducting the Exam, the File Contains:

- ☒ Fully Completed and Signed Field Report Form
- ☒ Photographs of Point of Diversion and Place of Use
- ☒ Copy of SRBA Claim Verification Sheet / Original Returned to Adjudication Section

C. Review and Processing:

- Exam Completed Dave King 7-15-94 (signature of examiner & date)
- Exam Reviewed by Senior Water Resource Agent (initial & date)
- Exam Reviewed by Manager of Regional Office N/A (initial & date)

NAME: *John Lamm*

USE: *Domestic*

CASING: 8

HP: 3-5

STATIC: 20

DEPTH: 140

DRAWDOWN: 120

PAGE: ☐ *uplat* Ariel: ☒

ADJUDICATION: ☒

ACREAGE: NA

N of *land*

P. 126 - West 4 *left* → follow sign

10:30

Measurement Method

Theoretical ☒

SPRINKLER ☐

Polysonic ☐

5-GALLON ☐

OTHER ☐

DIAGRAM

Plan

65-13361

iv

(17 hookups)

30-50psi

Homes →

2 - 10gal tank

SCALE 1" = 100'

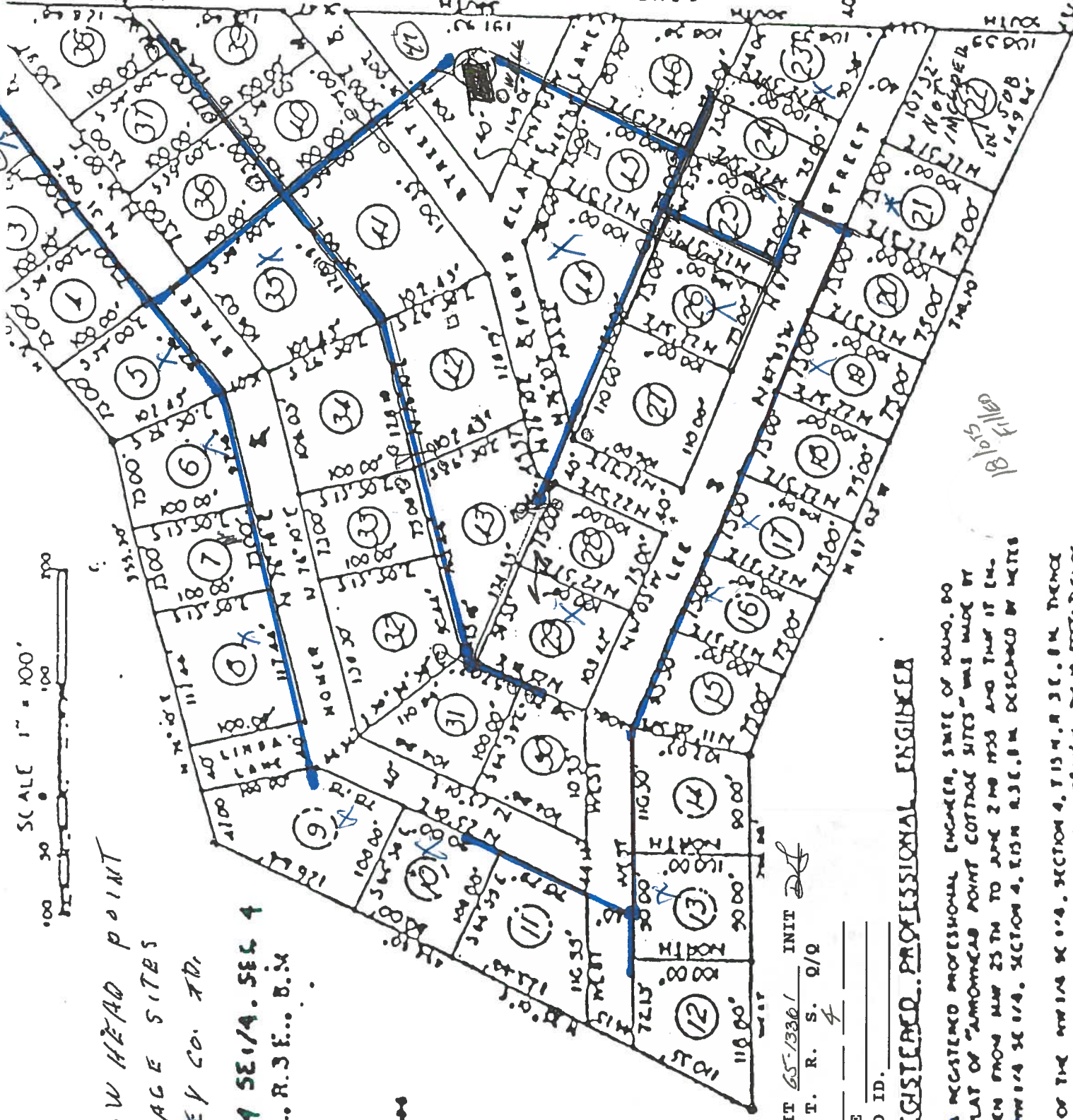


ARROW HEAD POINT
COTTAGE SITES
VALLEY CO. AND

NW 1/4 SE 1/4, SEC 4
T15N., R. 3E., S. 8M

LEGEND

- PMS
- BROW PMS



PERMIT 65-3361 INIT *DL*

T. R. S. Q/Q

P/D 4

SCALE

PHOTO ID.

CERTIFICATE OF REGISTERED PROFESSIONAL ENGINEER

I, RONALD W. PALMER, A REGISTERED PROFESSIONAL ENGINEER, STATE OF MINN. DO
CERTIFY THAT THE PLAT OF "ARROWHEAD POINT COTTAGE SITES" WAS MADE BY
A SURVEY NOTES TAKEN FROM MAY 25TH TO JUNE 2ND 1933 AND THAT IT IS
A PORTION OF THE NW 1/4 SEC 1/4, SECTION 4, T15N. R. 3E. S. 8M. DESCRIBED BY NOTES
UPON AS FOLLOWS:
FROM THE SE CORNER OF THE NW 1/4 SEC 1/4, SECTION 4, T15N. R. 3E. S. 8M. THENCE

FILED
18/10/35

well on
lot 22
for
1. lot only



PIA
P/u

PERMIT 65-13361 INIT DT
T. R. S. Q/Q
P/D 15N 3E 4 NESE
SCALE _____
PHOTO ID. _____

65-2927
VOIR

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: Well log Not Avail OTHER APPLICABLE NO: 65-13361
2. OWNER: GLENN AND DORIS LOMIS Phone: 325-8851
Address: PO Box 458 Donnelly ID 83615
3. WELL LOCATION: Twp 15N, Rge. 3E, Sec. 4, NE 1/4 SE 1/4
County Valley (Provide sketch map and photo on reverse.)
4. DRILLER: Doty Lic. No. _____
When Drilled? Prior to 7/1/87 under info
5. WELL CONSTRUCTION:
Casing Diameter 8 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:
Depth to Static Water 20' ^{we 1095 in} _{5m 14 1/4} ft. Water Temperature _____ °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 18 lots ☐ Irrigation ☐ Stock
☐ Test ☐ Municipal ☐ Industrial
☐ Abandoned ☐ Waste Disposal/Injection ☐ Not Used
☐ Other: _____

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.

[illegible]

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT



View of subdivision. Arrowhead
Point.

PHOTO ONE-



Pumphouse.

PHOTO TWO-

Permit 65-13361

Photos taken 10-16-94



PHOTO THREE-

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