

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED
JUN 29 1993

Department of Water Resources

A. GENERAL INFORMATION

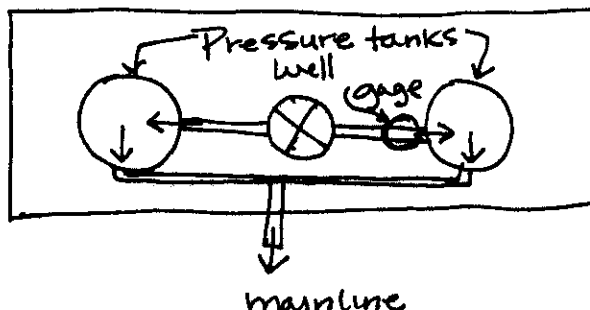
1. Owner: Ballantyne Camp Sub. No. 4 Permit No. 63-11078
Current Address: 40 Bob Wood HC 87 Box 375 PINE ID 83647 Phone No. 653-2227
2. Accompanied by: Bob & Eileen Wood EXAM. DATE: 4/27/93
Address: _____ Phone No. _____
Relationship to Permit Holder: _____
3. Source: groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with same place of use: _____ ☐ Copies Attached
2. Other water rights with same point of diversion: _____ ☐ 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



SCANNED

JAN 07 2003

Scale: 1" = _____

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
(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.)

An 8" x 53' low-temp geothermal well provides water to 9 homes in Ballantyne. Camp Sub # 4. The well is also used for approx 2 ac. irrigation. Of the 9 homes, only 2 house full-time residents. One ~~house~~ home located in lot 3 Block 2 has a private well & is not connected to the system. Vacant lots are not stubbed in. Multiple lots w/ one house have only one supply line. Total uses = 9. Private wells in lot 1 BK 1 & Lot 5 BK 3 are used for hot tubs & minor irrigation only. Domestic use comes from ☐ See Remarks on page 4 for continuation of community system.

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Franklin	1.0		Submersible	

*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
	4	NESW	NE		5	ZN	10E	Elmore	Map, Site Visit

6. **Place(s) of Use:**

Indicate Method of Determination AS above, plot map

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	
ZN	10E	5			2														2
					4														

Do not use this space

D. FLOW MEASUREMENTS

☐ Additional Data Sheets Attached

1.

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

2. Measurements:

None. Theoretical HP equation
per well log, static = 20'
pressure tanks switch 25-45 psi
well log states 15 gpm discharge

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

1. Measured Method: HP equation

$$\frac{1 \times 8.8 \times .7}{25 + (23 \times 35)} = .06 \text{ cfs system capacity}$$

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) ÷ 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

allow .06 cfs for irrigation
" .06 cfs for domestic

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2 \times 3.5 = 7.0$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .06 \times 184 \times 1.9835 = 21.9$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 7.0$$

2. Volume Calculations for Other Uses:

$$\text{Internal Domestic } 9 \times .6 = 5.4$$

System is capable of supplying total volume.

H. REMARKS AND OVERLAP REVIEW ANALYSIS

Domestic use is for 9 homes within Lots 1-8, 10 & 11, Block 1;
Lot 1 Block 2; & Lot 2-5 Block 3, Ballantyne Camp Sub # 4.

Overlapping rights to not affect this permit.

I. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
IRR	4/15	10/15	.06	7.0
DOM	4/1	12/31	.06	5.4
Totals:			.06	12.4

2. Recommended Amendments

- ☐ Change P.D. as reflected above
☐ Change P.U. as reflected above

- ☐ Add P.D. as reflected above
☐ Add P.U. as reflected above

- ☒ None
☐ Other

J. AUTHENTICATION

Field Examiner's Name CINDY HODGES
Signature CyHodges
Certification Date _____
Field Report Preparation Date 4/30/93

CONSULTANT SEAL

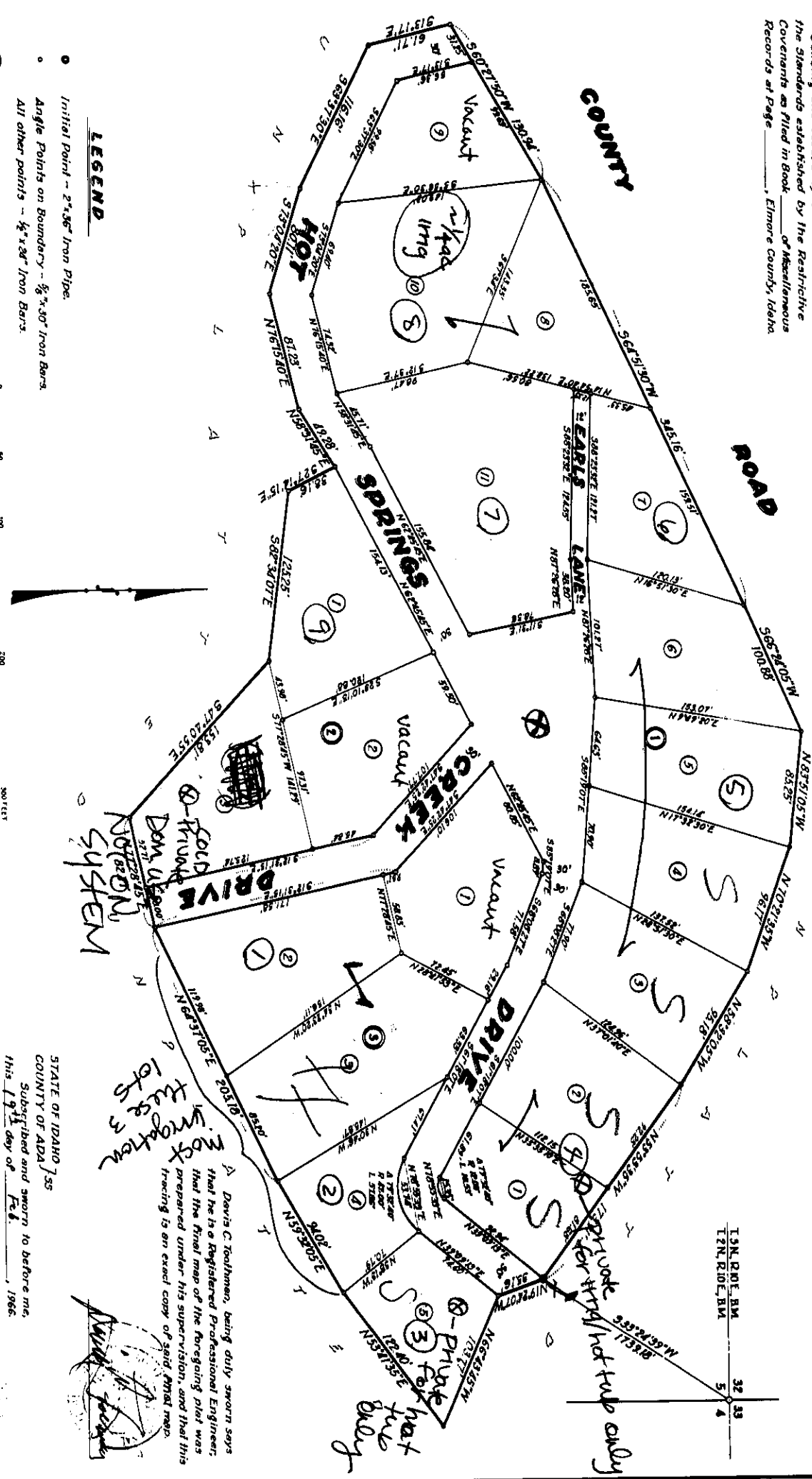
- K. Licensing recommendation shall be prepared by an Idaho Department of Water Resources employee on a computer printout attached hereto.

BALLANTYNE CAMP SUBDIVISION NO. 4

A PART OF THE NE 4 SECTION 5, T.2N, R.10E., B.M. ELMORE COUNTY, IDAHO.

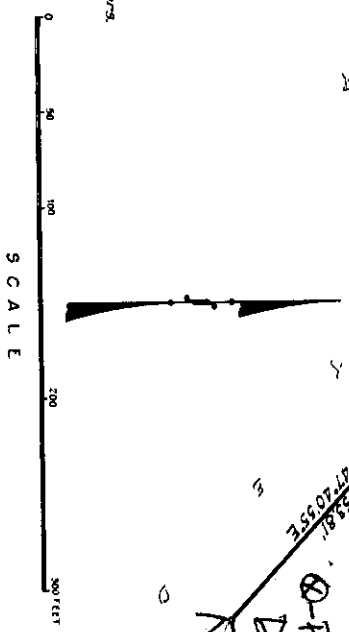
TOOTHMAN & ASSOCIATES CONSULTING ENGINEERS

Building and occupancy shall conform to the standards established by the Restrictive Covenants as filed in Book _____ of Miscellaneous Records at Page _____, Elmore County, Idaho.



LEGEND

- Initial Point - 2"x36" Iron Pipe.
- Angle Points on Boundary - 5/8"x30" Iron Bars.
- All other points - 1/4"x36" Iron Bars.
- ① Block Numbers.
- ② Lot Numbers.



Don Upton
Scribble
DRIVE

most of these lots
are in a
system

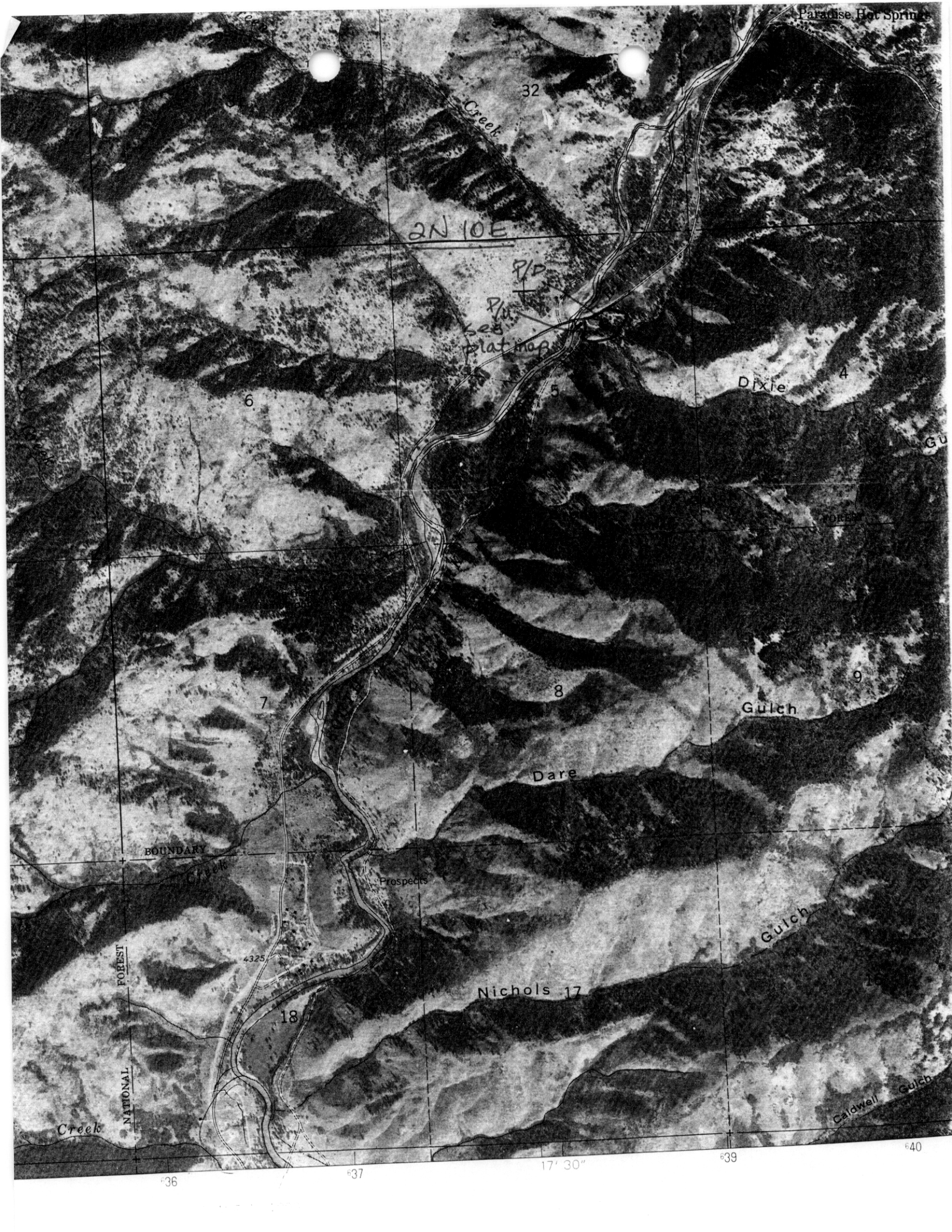
Private lot
for hat
dry

Vacant lots
not subdivided
in, nor is
lot 3 Block 2
This tract
has separate
covenants

STATE OF IDAHO)
COUNTY OF ADA) ss
Subscribed and sworn to before me,
this 19th day of Feb., 1966.

Notary Public
Residing in Boise, Idaho.

David C. Toothman, being duly sworn says
that he is a Registered Professional Engineer,
that the final map of the foregoing plat was
prepared under his supervision, and that this
tracing is an exact copy of said final map.



Paradise Hot Springs

32

Creek

2N 10E

P/O

P/u
See
plat map

Dixie

4

6

5

Gu

FOREST

9

Gulch

7

8

Dare

BOUNDARY

NATIONAL
FOREST

Prospects

4325

Nichols 17

18

16

Gulch

Caldwell Gulch

Creek

36

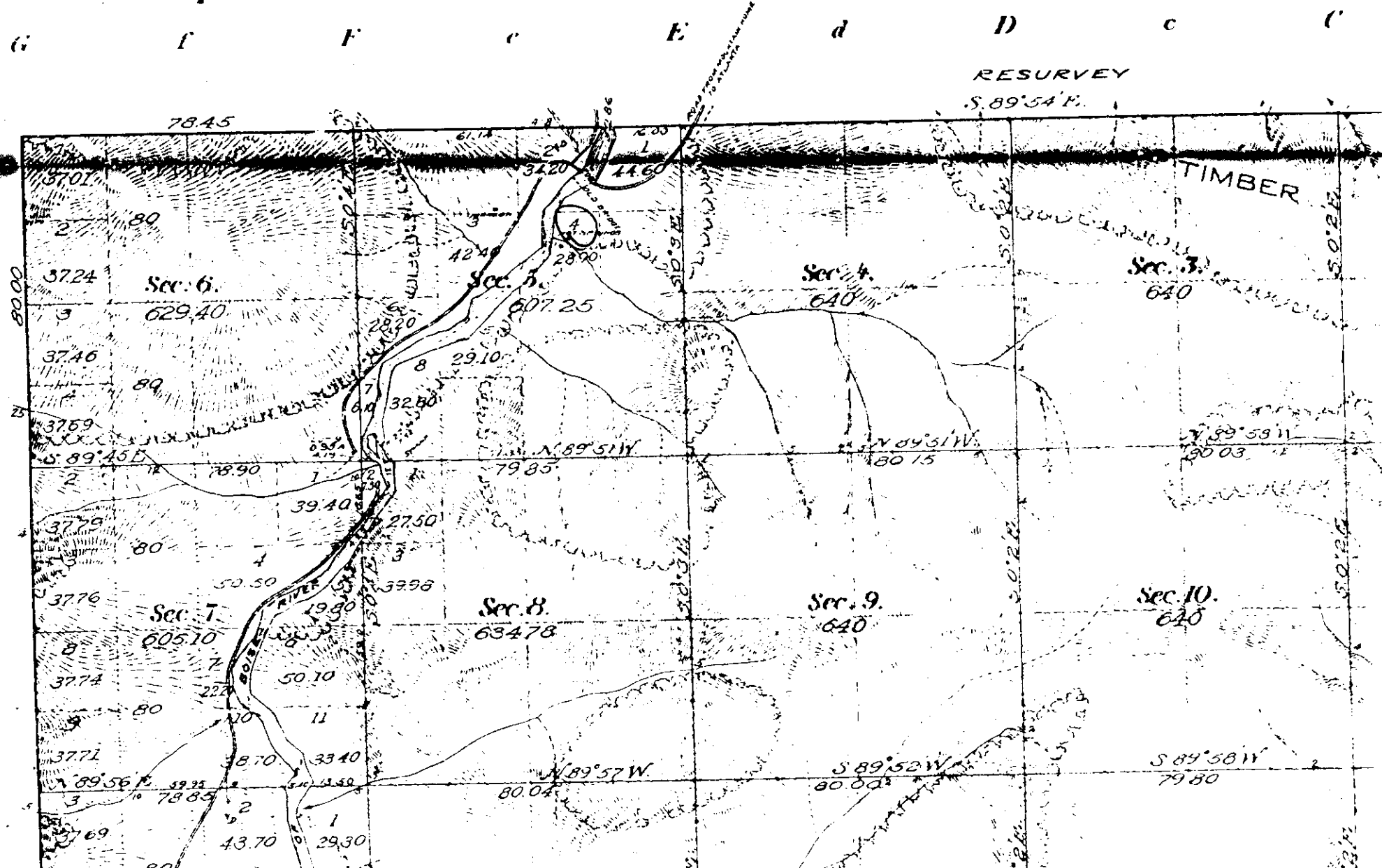
37

17' 30"

39

40

Township N° 2 North, Range N° 10 East of the 1



4/27/93

IDAHO DEPARTMENT OF WATER RESOURCES

WELL INSPECTION FORM

1. DRILLING PERMIT NO: N/A OTHER APPLICABLE NO: 63-11078
2. OWNER: Ballantyne Camp Sub #4 Phone: 653 2227
Address: 46 Bob Wood HC 87 BX 375 Pine 83647
3. WELL LOCATION: Twp 2N, Rge. 10E, Sec. 5, NE SW 1/4 NE 1/4
County _____ (Provide sketch map and photo on reverse.)
4. DRILLER: Hiddleston Lic. No. 035
When Drilled? 1976
5. WELL CONSTRUCTION TD = 53'
Casing Diameter 8 inches Water tight cap? ☒ Yes ☐ No Access Port: ☐ Yes ☒ No
Casing $\geq$ 12 inches above ground? ☒ Yes ☐ No - Describe well in 2' pit, approx 3' of casing
Depth of Casing 51 ft. Method Drilled Rotary
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 constuction 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 110 °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: _____

9. REMARKS: _____

G. Hodges SRWR Agent 4/27/93
Signature of Dept. Representative & Title Inspection Date

PHOTOS, DRAWINGS, OTHER ATTACHMENTS: See file

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 WALTER ADAMS Address: _____ Owner's Permit No. _____		7. WATER LEVEL Static water level <u>20</u> feet below land surface Flowing? ☐ Yes ☒ No G.P.M. flow _____ Temperature <u>112</u> °F. Quality _____ Artesian closed-in pressure _____ p.s.i. Controlled by ☐ Valve ☐ Cap ☐ Plug																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning) _____		8. WELL TEST DATA ☐ Pump ☐ Bailor ☒ Other Discharge G.P.M. _____ Draw Down _____ Hours Pumped _____																					
3. PROPOSED USE ☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) _____ ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection		9. LITHOLOGIC LOG Hole Diam. _____ Depth _____ Material _____ Water _____ Yes No																					
4. METHOD DRILLED ☐ Cable ☒ Rotary ☐ Dug ☐ Other		<table border="1"><thead><tr><th>Hole Diam.</th><th>From</th><th>To</th><th>Material</th><th>Water</th></tr></thead><tbody><tr><td>6</td><td>0</td><td>5</td><td>SOIL DECOMPOSED GRANITE</td><td></td></tr><tr><td>6</td><td>5</td><td>27</td><td>DECOMPOSED GRANITE</td><td></td></tr><tr><td>6</td><td>27</td><td>53</td><td>DECOMPOSED GRANITE - GRANITE</td><td></td></tr></tbody></table>		Hole Diam.	From	To	Material	Water	6	0	5	SOIL DECOMPOSED GRANITE		6	5	27	DECOMPOSED GRANITE		6	27	53	DECOMPOSED GRANITE - GRANITE	
Hole Diam.	From	To	Material	Water																			
6	0	5	SOIL DECOMPOSED GRANITE																				
6	5	27	DECOMPOSED GRANITE																				
6	27	53	DECOMPOSED GRANITE - GRANITE																				
5. WELL CONSTRUCTION Diameter of hole <u>6</u> inches Total depth <u>53</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness _____ Diameter _____ From _____ To _____ Inches _____ Inches _____ feet _____ feet Inches _____ Inches _____ feet _____ 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 Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Model No. _____ Type _____ 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 <u>51</u> Material used in seal ☐ Cement grout ☒ Pudding clay ☐ Wall cuttings Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing ☒ Overbore to seal depth																							
6. LOCATION OF WELL Sketch map location must agree with written location. <u>63</u> County <u>CLATSOP</u> Subdivision Name <u>BALLANTYNE CAMP</u> Lot No. <u>1</u> Block No. <u>1</u> City <u>CLATSOP</u> State <u>OR</u> Section <u>10</u> Township <u>10</u> Range <u>10</u>		10. Work started <u>1/2/76</u> Finished <u>6/2/76</u>																					
11. DRILLER'S CERTIFICATION Firm Name <u>H. H. K. Drilling</u> Address <u>MT. Hood</u> Signed by (Firm Official) <u>C. L. K. Smith</u> and <u>K. K. K.</u>																							

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

63-11078

4/27/93



P/b in
RED Shed.

