TO: Water Rights Section April 10, 2000

FROM: Groundwater/Hydrology Section Doug Woodcock
Reviewer's Name

SUBJECT: Application G- 15096

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE _____ Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.

2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
   a. ___ will, or have the potential for substantial interference with the nearest
   b. ✓ will not surface water source, namely Bear Cr ; or
   c. ___ will if properly conditioned, adequately protect the surface water from interference:
      i. ___ The permit should contain condition #(s)_____;
      ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
      iii. ___ The permit should be conditioned as indicated in item 4 below; or
   d. will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
   a. ___ will, or likely be available in the amounts requested without injury to prior rights
   b. ___ will not and/or within the capacity of the resource; or
   c. ✓ will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
      i. ✓ The permit should contain condition #(s) 7B ;
      ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
      iii. ___ The permit should be conditioned as indicated in item 4 below; or

4. a. ___ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
   b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
   c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
   d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
   e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

(Well Construction Considerations on Reverse Side)

G-15096

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
   a. ✓ review of the well log;
   b. ____ field inspection by _____;
   c. ____ report of CWRE _____;
   d. ____ other: (specify) _____

6. THE WELL construction deficiency:
   a. ✓ constitutes a health threat under Division 200 rules;
   b. ____ commingles water from more than one groundwater reservoir;
   c. ____ permits the loss of artesian head;
   d. ____ permits the de-watering of one or more groundwater reservoirs;
   e. ____ other: (specify) _____

7. THE WELL construction deficiency is described as follows: OLD, INADEQUATE WELL SEAL. NEW CASING & SEAL SHOULD BE ADVANCED AT LEAST 5 FT INTO THE "BASALT."

8. THE WELL
   a. ____ was, or
   b. ____ was not
   constructed according to the standards in effect at the time of original construction or most recent modification.
   c. ✓ I don't know if it met standards at the time of construction.

RECOMMENDATION:

A. ____ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."

B. ✓ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.

C. ✓ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit

_____ _____, 199__.
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____ _____, 199__.
(Signature)

Water Resources Department

MEMO April 10, 2000

TO **Application G-** 15096

FROM **GW:** D. Woodcock
(Reviewer's Name)

SUBJECT **Scenic Waterway Interference Evaluation**

☑ Yes
☐ No

The source of appropriation is within or above a Scenic Waterway

☑ Yes
☐ No

Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☑ At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

FLOW REDUCTION: *(To be filled out only if Preponderance of Evidence box is not checked)*

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE #: G - 15096

ROUTED TO: WATER RIGHTS

TOWNSHIP/
RANGE-SECTION: 38S/1E-31

CONDITIONS ATTACHED? [X] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

WELL CONSTRUCTION PROBLEMS

Reviewer: DEW

WATER RESOURCES DEPARTMENT MEMORANDUM

To: Groundwater/Hydrology April 10, 2000

From: Doug Woodcock

Subject: GW Application G-15096

Applicant: Michael Skinner Seek: 5 gpm
From: 1 drilled well Bear Cr sub-basin/Rogue Basin
Proposed Use: Domestic/Mobile Home Park Quad Name: Ashland

Well 1 (Jack 20010) 38S/1E-31 NW of the NE Jackson County

438 ft S and 2850 ft E of the NW Cor Sec 31

Well is 1000 ft from Bear Cr

Well elevation at site is ~ 1685 ft

Creek elev. is 1630 ft at closest point

Well depth is 115 ft

SWL was 31-ft 10-in on 8/27/90

Evaluation Summary
The proposed use is additional water for an existing mobile home park. The park currently serves 49 homes under a group domestic exemption (15,000 gal/day). This application is for an additional 5 gpm to serve an additional 20 units.

The well log (JACK 20010) describes surficial deposits to 20 ft and yellow sandstone to 24 ft. Grey/black "basalt" is encountered from 24 to 115 ft. As this well is located on the western margin of the Bear Cr Valley it is likely the well has penetrated a thin sandstone unit of the Hornbrook FM. and is developed into the underlying hard rock of the metamorphosed Applegate Gp.

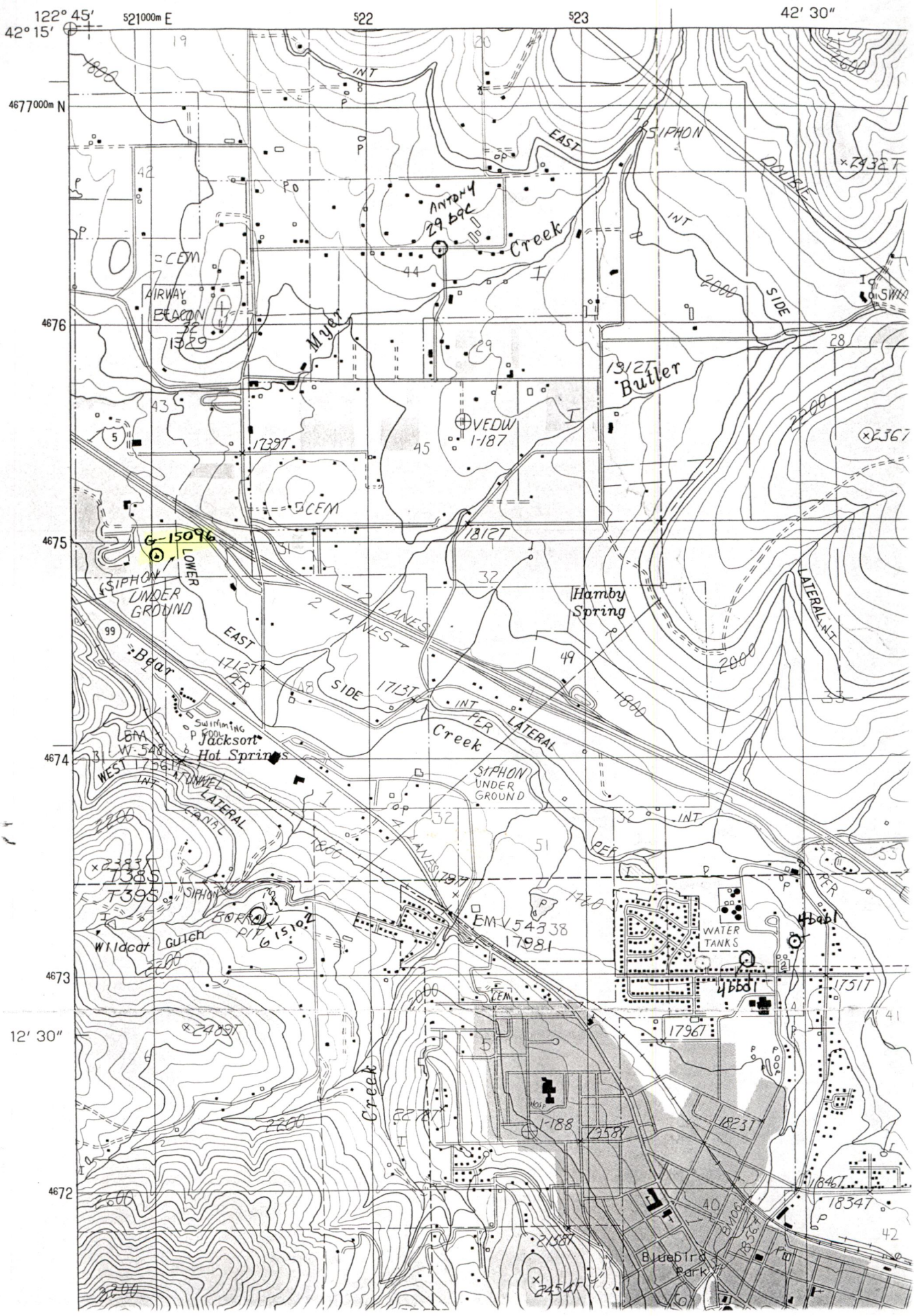
The bedrock formation is indirectly connected to surface water so the potential for substantial interference is minimized. No records in the county file indicating active or historical well interference complaints. The watermaster for Jackson County was contacted but had no concerns for the small additional development in this area.

There is a problem with the current well construction. The well has an inadequate well seal (bentonite to 24 ft in 1964). The well should have new casing and seal extended to at least 29 ft (five ft into the metamorphic "basalt"). Under current construction this well constitutes a health threat to the residents of this mobile home park.

Recommendations: Apply well interference condition and requirement for well reconstruction.

References: GRID WRD database; USGS topographic Ashland quadrangle; Geology of the Hornbrook Fm., Nielson and Barats, 1984.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Well # 1

JACK 20010

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED JUN 29 1964 STATE ENGINEER SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. 38/1-31B

State Permit No.

(1) OWNER:
Name Robert E Cota
Address #1 Corral Ln Ashland Ore

(2) LOCATION OF WELL:
County Jackson Driller's well number
NW ¼ NE ¼ Section 31 T. 38 R. 1E W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED: Threaded ☐ Welded ☒
6" Diam. from 0 ft. to 28 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS: Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS: Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal Bentonite
Depth of seal 24 ft. Was a packer used?
Diameter of well bore to bottom of seal 10 in.
Were any loose strata cemented off? ☐ Yes ☒ No Depth
Was a drive shoe used? ☒ Yes ☐ No
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 14 ft. below land surface Date 6/22/64
Artesian pressure lbs. per square inch Date

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "
Bailer test 30+ gal./min. with 36 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

(12) WELL LOG: Diameter of well below casing 6¼"
Depth drilled 115 ft. Depth of completed well 113 ft.
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown Coarse to Boulders	0	20
Sandstone yellow	20	24
Basalt Grey to Black	24	115

RECEIVED FEB 09 2000 WATER RESOURCES DEPT. SALEM, OREGON

RECEIVED JAN 13 2000 WATER RESOURCES DEPT. SALEM, OREGON

Work started 6/15 1964 Completed 6/22 1964
Date well drilling machine moved off of well 6/23 1964

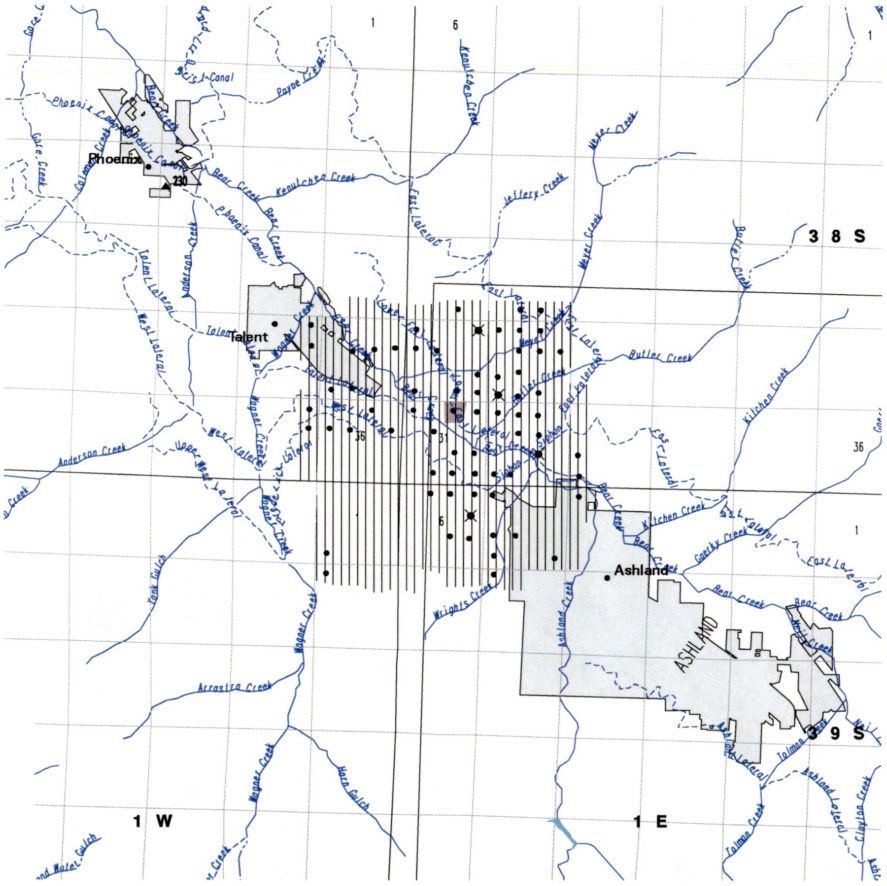
(13) PUMP:
Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Rotary Drilling Co. (Person, firm or corporation) (Type or print)
Address 1044 W 12th St. Medford
Drilling Machine Operator's License No. 75
[Signed] (Water Well Contractor)
Contractor's License No. 338 Date 6/23, 1964

(USE ADDITIONAL SHEETS IF NECESSARY)

Wells in the vicinity of application G 15096

- Application well(s) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- Regulated GW Area



WELLS WITHIN 1 MILE OF G 15096

DO	220
IM	2
IR	4
MU	2

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15096

$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G 6869	G 6405	38.00S 1.00E30NENE	IS	0.1800	C
1	G 6869	G 6405	38.00S 1.00E30NENE	TC	0.1800	C
2	G 8873	G 8276	38.00S 1.00E29SWSW	IS	0.0900	C
2	G 8948	G 10549	38.00S 1.00E29SWSW	IR	0.0900	C
3	GR 3634	GR 3327	38.00S 1.00E32NWSE	IR	42.0000	G
4	G 10625	G 9734	39.00S 1.00E 6SENE	IR	0.0600	C

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NO CONDITIONED WELLS WITHIN 1 MILE OF APPLICATION G 15096

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APPLICATION G 15096 FALLS WITHIN THESE QUAD(S)

ASHLAND

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