

Water Resources Department

MEMO

March 29, 1994

TO Application G-14160

FROM GW: Maureen Norton
(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

14160

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE ## G-14160

ROUTED TO: W.R.

TOWNSHIP/

RANGE-SECTION: 17S/3W-9

CONDITIONS ATTACHED? yes no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Maria A. Norte

TO: Water Rights Section

FROM: Groundwater/Hydrology Section

SUBJECT: Application G- 14160

March 29, 1996

Maura Norton
Reviewer's Name

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 McKenzie; 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) 7D, 7E;
 - 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)

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: _____
- _____

8. THE WELL
- a. ___ was, or constructed according to the standards in effect at the time of
 - b. ___ was not 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 MEMORANDUM

TO: Groundwater/Hydrology
FROM: Marc Norton
SUBJECT: Groundwater Application G- 14/60

Date 3/29/96

Applicants(s) seek 123 gpm (cfs) from one well in the
Eugene Christian Fellowship Willamette basin
McKenzie sub basin

Pertinent 7 1/2 - minute quads Eugene East

Well Proposed Well WRD# T 175 R 34W S 9 QQ County Lane

Legal Description
Well is 4500-5000 ft from McKenzie R (river/stream)
Well is ft from (river/stream)
Well Elevation 415 ft River/Stream elevation 400 ft.
Well Elevation - River/Stream elevation ± 15 ft.
Well depth ≈ 100 ft SWL 10-15 ft on
Sealed to ft Depth first water found ft
Cased to ft Perforations/screens ft
Lined to ft Perforations/screens ft

Well test and types
(Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES/NO
Potential to cause substantial interference? Minimal

Well WRD# T R S QQ County

Legal Description
Well is ft from (river/stream)
Well is ft from (river/stream)
Well Elevation ft River/Stream elevation ft.
Well Elevation - River/Stream elevation ft.
Well depth ft SWL ft on
Sealed to ft Depth first water found ft
Cased to ft Perforations/screens ft
Lined to ft Perforations/screens ft

Well test and types
(Confined/Semi-confined/Unconfined) Direct hydraulic connection? YES / NO
Potential to cause substantial interference?

Conditioned water rights in area:
Other nearby water rights of record:
Density of nearby wells:

Comments: Sand & Gravel operation to NW - dewatering

References Used:

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

RECEIVED WATER WELL REPORT STATE OF OREGON (Please type or print) (Do not write above this line)

Done 1008

STATE ENGINEER, SALEM, OREGON, 97310 within 30 days from the date of well completion.

State Well No. 17/3W-9

State Permit No.

(1) OWNER:

Name HARLOW BAPTIST LODGE (R.W.) Address 3850 COUNTY FARM ROAD, EUGENE, OREGON

(2) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon [] If abandonment, describe material and procedure in Item 12.

NEAR BY WELL

(3) TYPE OF WELL:

Rotary [] Driven [] Cable [X] Jetted [] Dug [] Bored []

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal [] Irrigation [X] Test Well [] Other []

CASING INSTALLED:

12" Diam. from 0 ft. to 42 ft. Gage .375 10" Diam. from SEE ITEM #7 BELOW ft. to ft. Gage

PERFORATIONS:

Perforated? [] Yes [X] No.

Type of perforator used

Size of perforations in. by in. perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [X] Yes [] No

Manufacturer's Name ROSCOE MOSS Type CHEVRON Model No. FULL FLOW Diam. 10" Slot size 1/8 Set from 32 ft. to 127 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? [X] Yes [] No If yes, by whom? RAMSEY WAITE

Yield: 400 gal./min. with ft. drawdown after hrs.

Ball test 60 gal./min. with 2 ft. drawdown after 2 hrs.

Artesian flow g.p.m.

Temperature of water 51° Depth artesian flow encountered ft.

(10) LOCATION OF WELL:

County LANE Driller's well number 1/4 1/4 Section 9 T. 17 R. 3W W.M. Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found 9 2 ft. Static level 13.6 ft. below land surface. Date 3-23-71 Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing -0- Depth drilled 127 ft. Depth of completed well 127 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.*

Table with columns: MATERIAL, From, To, SWL. Rows include TOP SOIL, LARGE COARSE GRAVEL, SAND-GRAVEL HEAVY WITH CLAY, BROWN CLAY, SAND-GRAVEL HEAVY WITH CLAY, BROWN CLAY, SAND GRAVEL MEDIUM IN SIZE-CLEAN, SAND-GRAVEL HEAVY WITH CLAY.

Work started 3-9-71 19 Completed 4-9-71 19

Date well drilling machine moved off of well 4-10-71 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Arthur N. Gurin Date 4-19-1971 (Drilling Machine Operator)

Drilling Machine Operator's License No. 717

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 CARTER'S DRILLING & PUMP SERVICE (Person, firm or corporation) (Type or print)

Address 325 So. 2ND STREET, SPRINGFIELD, OREGON

[Signed] James J. Carter (Water Well Contractor)

Contractor's License No. 126 Date 4-19-71 19

(9) CONSTRUCTION:

Well seal—Material used PORTLAND CEMENT GROUT

Well sealed from land surface to 20 ft.

Diameter of well bore to bottom of seal 18 in.

Diameter of well bore below seal 12 in.

Number of sacks of cement used in well seal 19 sacks

Number of sacks of bentonite used in well seal -0- sacks

Brand name of bentonite -0-

Number of pounds of bentonite per 100 gallons of water -0- lbs./100 gals.

Was a drive shoe used? [X] Yes [] No Plugs Size: location ft.

Did any strata contain unusable water? [] Yes [X] No

Type of water? depth of strata

Method of sealing strata off

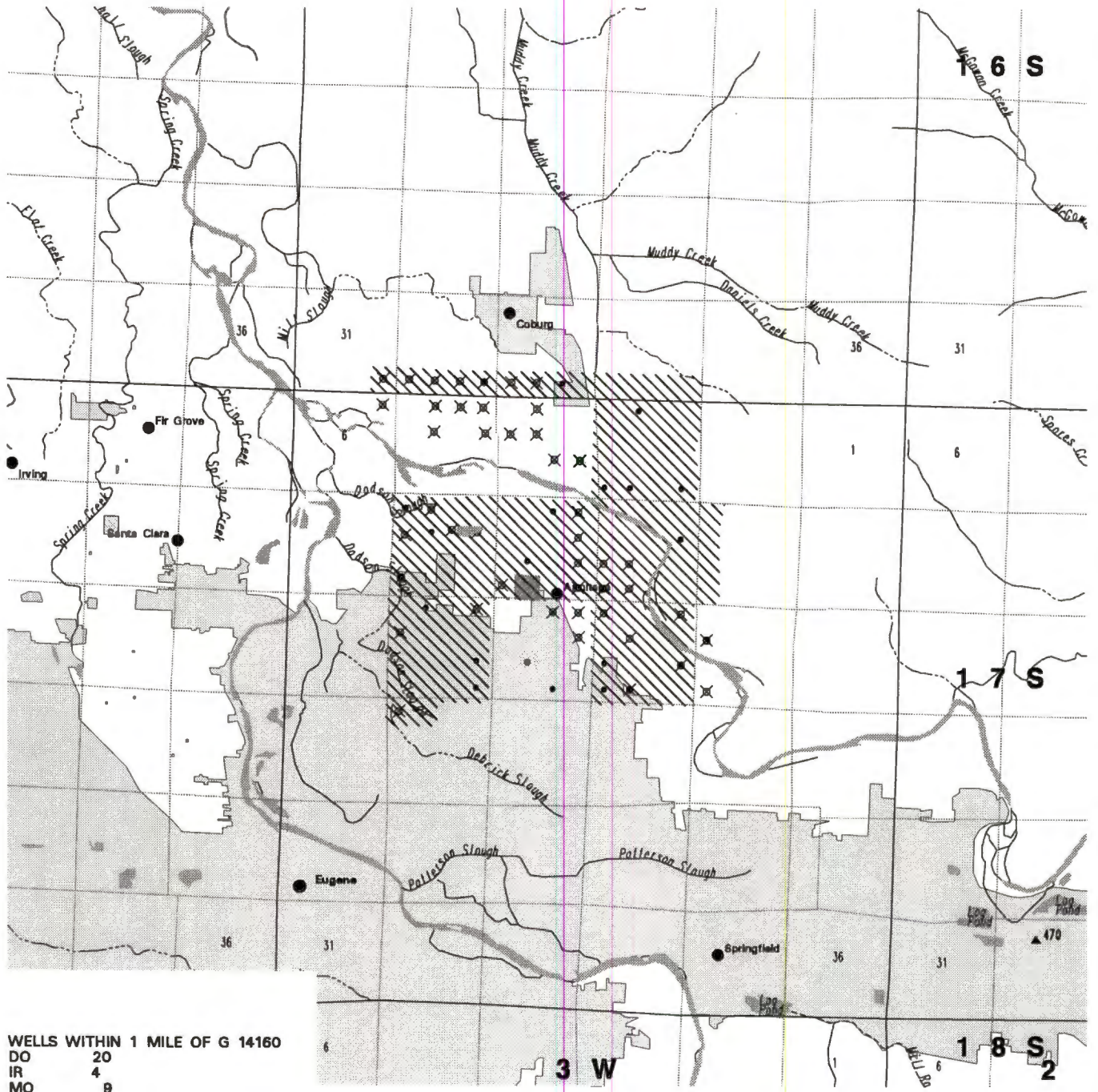
Was well gravel packed? [] Yes [X] No Size of gravel:

Gravel placed from ft. to ft.



Wells in the vicinity of application G 14160

- 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)
- ▲ 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 14160

DO	20
IR	4
MO	9
MU	1
UN	4

County: Lane

Quad name & #: Coburg 47

Eugene E 82

REVIEW CHECKLIST

FOR G- 14160

- Appropriate parts of the stream index
- Estimated number of wells within one-mile radius & identified types.
- Verify that the well log is in application. If not, provide one. not found
- State observation wells within five-mile radius.
- List groundwater permits within a five-mile radius with extraordinary conditions.

APPLICATIONS WITH PERMIT CONDITIONS: 175, 3W, 9

G 13841
13599
13485

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 14160

PERMIT	T/R/S/QQ	USE	RATE	UNITS
G 5125	16.00S 3.00W31SESE	IR	0.1300	C
GR 3008	16.00S 3.00W32SWSW	IR	0.5804	C
GR 2646	16.00S 3.00W32SESW	IR	0.6696	C
G 501	16.00S 3.00W32SWSE	IS	0.0800	C
GR 2645	16.00S 3.00W32SWSE	IR	0.6696	C
GR 949	16.00S 3.00W32SESE	IR	0.8929	C
GR 435	16.00S 3.00W33SWSW	IR	0.8929	C
GR 553	16.00S 3.00W33SWSW	IR	0.2455	C
GR 435	16.00S 3.00W33SESW	IR	0.5580	C
G 9832	17.00S 3.00W 6NENE	IR	0.1900	C
GR 830	17.00S 3.00W 6NENE	IR	0.0000	
GR 2103	17.00S 3.00W 6NENE	IR	0.6696	C
G 6262	17.00S 3.00W 5NENW	IR	0.6800	C
GR 2997	17.00S 3.00W 5NWNE	IR	0.8036	C
GR 2998	17.00S 3.00W 5NWNE	IR	0.8036	C
GR 2999	17.00S 3.00W 5NWNE	IR	0.8929	C
G 933	17.00S 3.00W 5NENE	IR	0.3700	C
GR 3005	17.00S 3.00W 5NENE	IR	0.5804	C
GR 3006	17.00S 3.00W 5NENE	IR	0.5804	C
G 932	17.00S 3.00W 4NENW	IR	0.3700	C
G 1094	17.00S 3.00W 5SENW	IR	0.1600	C
G 4347	17.00S 3.00W 5SENW	IR	0.3800	C
G 235	17.00S 3.00W 5SENE	IR	0.3800	C
GR 3755	17.00S 3.00W 4SWNW	IR	1.0045	C
G 12090	17.00S 3.00W 4SENW	IR	120.0000	A
GR 3754	17.00S 3.00W 4SENW	IR	1.0045	C
GR 3843	17.00S 3.00W 4SENW	IR	1.0045	C
GR 296	17.00S 3.00W 4NWSE	IR	1.3393	C
GR 642	17.00S 3.00W 4NESE	IR	0.5580	C
G 6490	17.00S 3.00W 8NENW	IR	0.1800	C
G 6569	17.00S 3.00W 8NENW	IR	0.0600	C
GR 1798	17.00S 3.00W 9NENE	ID	0.0670	C
G 3679	17.00S 3.00W 8SWNE	IR	1.1000	C
G 3679	17.00S 3.00W 8SENE	IR	1.1000	C
G 6080	17.00S 3.00W 8SWNW	IR	0.0500	C
GR 3126	17.00S 3.00W 9SENE	IR	0.6696	C
G 2102	17.00S 3.00W 9NESE	IR	0.3900	C
G 7417	17.00S 3.00W 9NESE	IR	0.5900	C
GR 850	17.00S 3.00W10NWSW	IR	0.4018	C
GR 368	17.00S 3.00W10NESW	IR	0.3348	C
GR 2668	17.00S 3.00W10NESW	IR	0.2579	C
GR 3546	17.00S 3.00W10NESW	IR	0.2579	C
G 9872	17.00S 3.00W 8SWSW	IC	1.0000	C
G 9873	17.00S 3.00W 8SWSW	IR	0.6100	C
GR 1784	17.00S 3.00W 9SWSW	IR	0.2232	C
GR 3269	17.00S 3.00W 9SESE	IR	0.5525	C
GR 852	17.00S 3.00W10SWSW	IR	0.3571	C
GR 853	17.00S 3.00W10SWSW	IR	0.4911	C
GR 3370	17.00S 3.00W10SWSW	IR	0.0570	C
GR 3371	17.00S 3.00W10SWSW	IR	0.5580	C
GR 2558	17.00S 3.00W10SESW	IR	0.3348	C
G 128	17.00S 3.00W17NENE	IR	0.0500	C
GR 83	17.00S 3.00W17NENE	IR	0.1339	C
G 7292	17.00S 3.00W16NWNE	IR	0.8900	C
G 7520	17.00S 3.00W16NWNE	IR	0.0600	C
G 8166	17.00S 3.00W16NWNE	IR	0.0400	C
G 7416	17.00S 3.00W16NENE	IR	0.5900	C
GR 3372	17.00S 3.00W15NWNW	IR	0.5580	C
G 7146	17.00S 3.00W15NENE	IR	0.2300	C
GR 2944	17.00S 3.00W15NESE	IR	0.1786	C
G 189	17.00S 3.00W17SWNW	IR	0.0100	C

GR	3551	17.00S	3.00W16SENE	IR	0.3348	C
G	1966	17.00S	3.00W15SENE	IS	0.1300	C
GR	3614	17.00S	3.00W15SENE	IR	0.4464	C
GR	1305	17.00S	3.00W14SWNW	IR	0.1786	C
GR	2452	17.00S	3.00W15NESE	IR	0.6696	C
GR	3615	17.00S	3.00W15SESW	IR	0.3906	C
GR	3946	17.00S	3.00W14SWSW	IR	0.1875	C
GR	3267	17.00S	3.00W20NWNW	IR	0.0714	C