OREGON WATER RESOURCES DEPARTMENT INTEROFFICE MEMO

To:

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Ground Water Files/Jerry Gainey D

Date: November 6, 2001

From: Michael J. Zwart

Subject: Application Re-review: G-15484, Tom and Bev Mallams

This application proposes one new well with construction similar to an existing nearby well (KLAM 1635). Another nearby well (KLAM 2033) irrigates under certificate 50502. I have determined that these two existing wells produce ground water from the same confined aquifer (source). My research indicates that the proposed well for this application is not likely yet constructed. The proposed well therefore should develop the same source unless the applicants modify the its proposed construction.

	11 AM	
10 1061	FILA 1635 35/12	-34R(1)
First Copy with the STATE ENGINEER, SALEM, OREGON	OREGON 1918 State Permit No.	<u> </u>
(1) OWNER: SALEN, CALLS	(11) WELL TESTS: Drawdown is amount we lowered below static level	ater level is el
Address P. O. Box 145 Beatty Oregou	Vield: #250 gal./min. with 60 ft. drawdown	after 2 hrs.
(2) LOCATION OF WELL:	" " " Bailer test gal./min, with ft. drawdown	after hrs.
County A (ALL ATH Owner's number, if any-/V-/ SE 3/4 SE 3/4 Section 3/4 T. 355, R. /2E, W.M. Bearing and distance from section or subdivision corner	Artesian flow 200 g.p.m. Date 7702 Temperature of water Was a chemical analysis made	16? 🛛 Yes 🛃 No
N. 4°15'W795° fl. froug S.E. Corner of Sec. 34, T.355, RIZE,	(12) WELL LOG: Diameter of well Depth drilled \$ 4.5 ft. Depth of completed we	1 2 inches. 11 8 4 5 ft.
10.14.	Formation: Describe by color, character, size of material show thickness of aquifers and the kind and nature of th stratum penetrated, with at least one entry for each ch	and structure, and re material in each ange of formation.
(3) TYPE OF WORK (check):	- MATERIAL	FROM TO
New Well Deepening Reconditioning Abandon I If abandonment, describe material and procedure in Item 11.	- Cement Gratel Yellow somedone	3 7 7 15
PROPOSED USE (check): (5) TYPE OF WELL: Domestic Industrial Municipal Irrelegation Trest Well Other	- Yallow shale gravel - flue shale	15 27 27 33 33 68
(6) CASING INSTALLED: Threaded [] Welded [] 	- Alue shale and have	82 127 127 13/ 13/ 147
(7) PERFORATIONS: Perforated? [] Yes	shali iand	151 189 189196
Type of perforator used SIZE of perforations in. by perforations from ft. to	- ishale and eard	225 375 372 394
perforations from ft. to ft. ft. to ft.	shale and cand	394 949 448 1.00 600 750 750 845
(8) SCREENS: Well screen installed Manufacturer's Name		
Type	Work started 10 Completed '>	10.4
(9) CONSTRUCTION:	(13) PUMP:	<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>
Was well gravel packed? Gravel placed fromft toft	Manufacturer's Name Same and Ban Type: There have H	Let I.P. 3.0
Material used in seal— Cernet Did any strata contain unusable water? [Yes] No Type of water? Good Depth of strata 2.5	Well Driller's Statement: This well was drilled under my jurisdiction ar true to the best of my knowledge and belief.	nd this report i
(10) WATER LEVELS:	NAME W, T, HA TULEY Gerson, Ilim, er corporation) (Typ Address Series a	L Sory
Artestan pressure Ibs. per square inch Date	Driller's well number	1
[Signed]	[Signed] Labor + Holl (Weli Driller) License No. / 64 Date 700,	16 196
(USE ADDITIONAL SH	LEETS IF NECESSARY)	

NOTICE TO WATER WELL CONTRACTOR	WILL DEDODT V AM
of this report are to be	WELL REPORT $D = 1$ $36/12 - 2D$
STATE ENGINEER, SALEM 10, OREGON	e type or print) 0123 State Well No.
within 30 days from the date of well completion.	State Permit No.
	(11) WELL TESTS. Drawdown is amount water level is
(1) OWNER:	Was a pump test made? Dives Di No. If ves. by whom?
Address Address Address	Yield: 9 20 U gal/min, with 70 ft. drawdown after 4 hr
muticos file and chigary	
	13 13 13 13 13
(2) LOCATION OF WELL:	Bailer test gal./min. with ft. drawdown after 70 hr
County Klamall, Driller's well number	Artesian flow 600 g.p.m. Date 7_b. 15~63
N W 34 N W 34 Section 2 T. 36 R. 12 W	Temperature of water 60 Was a chemical analysis made? I Yes KN
Bearing and distance from section or subdivision corner	(12) WELL LOG
South last	Depth drilled // 37 ft. Depth of completed well // 27 ft
A contract approved	Formation: Describe by color, character, size of material and structure, an
and a second sec	show thickness of aquifers and the kind and nature of the material in eac stratum penetrated, with at least one entry for each change of formation
	MATTERIAT. FROM TO
(3) TYPE OF WORK (check):	top san o s
Well Deepening Reconditioning Adando	and filling of 141)
bandomient, describe material and procedure in rich 12.	- Charter III) III
(4) PROPOSED USE (check): (5) TYPE OF WEI	L:
Domestic 🔲 Industrial 🔲 Municipal 🔲 Rotary 🗌 Driven	white took //2///10
Irrigation Test Well Other Dug Bored	
 (6) CASING INSTALLED: Threaded Welded A /.4. "Diam. from ft. to /.5." Of the Gage 12.5." 	
Type of perforator-used	
Size of perforations in. by in.	
perforations from	. ft. U
perforations from	. ft.
perforations from ft to	
perforations fromft_ to	ft
(8) SCREENS: Well screen installed 🗌 Yes 💭 No	
Manufacturer's Name	
Model No.	
Diam. Slot size Set from	IL Work started More 1961. Completed of else 196
Disin,	Date well drilling machine moved off of well
(9) CONSTRUCTION:	(13) PUMP:
Well seal-Material used in seal Cement	Manufacturer's Name
Depth of seal	Туре:
Diameter of well bore to bottom of seal	
Were any loose strata cemented off? [] Yes ho Depth	water well Contractor's Certification:
Was a drive shoe used? Pres [] No	This well was drilled under my jurisdiction and this report i true to the best of my knowledge and belief.
Was well gravel packed? [] Yes [] No Size of gravel:	1111141 25
Gravel placed from ft. to ft.	- NAME W, S, Harley 4 Jon
Did any strata contain unusable water? 🗌 Yes 🔽 No	Address Bon Address Address
Type of water? Depth of strata	101
Method of sealing strata off	Drilling Machine Operator's License No.
(10) WATER LEVELS:	[Signed] (Rabert Aarthur
Static level ft. below land surface Date	(Water Well Contractor)
Artesian pressure 3 lbs. per square inch Date Field	2 Contractor's License No. 1. Date 7-11- 196.
(USE ADDITIONA	L SHEETS IF NECESSARY)

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OREGON WATER RESOURCES DEPARTMENT INTEROFFICE MEMO

To: Ground Water Files

Date: August 9, 2001

From: Michael J. Zwart

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Subject: Application Review: G-15484, Tom and Bev Mallams

This application proposes to use about 2.0 cfs from one proposed well for primary irrigation of 140.4 acres. Based on the proposed construction, similar to a nearby well (KLAM 1635), the well will likely penetrate a confined aquifer developed in sand, shale and gravel, and possibly basalt at the bottom of the well.

The well is about 2800 feet from the Sycan River. The aquifer targeted is not in hydraulic connection with the nearby reach of the river. There is no potential for substantial interference, based on the confined aquifer targeted and the distance.

I recommend permit conditions 7B and 7J.

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I recommend permit conditions 7B and 7J.

Water Resources Department

MEMO

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August 9. 2001

TO FROM SUBJECT	Application G- <u>15484</u> GW: <u>Michael Zwart</u> (Reviewer's Name) Scenic Waterway Interference Evaluation
∕Yes □No	The source of appropriation is within or above a Scenic Waterway.
Yes	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 <u>Preponderance of Evidence</u> 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 Rights Section

TO:

August 9 2001

FROM: Groundwater/Hydrology Section Michael Z.

Reviewer's Name

SUBJECT: Application G- 15484

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 0AR 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

 - c. \checkmark will if properly conditioned, adequately protect the surface water from interference:
 - i. \checkmark The permit should contain condition #(s) $\overrightarrow{7J}$;
 - 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 and/or within the capacity of the resource; or

c. \checkmark will if properly conditioned, avoid injury to existing rights or to the groundwater resource: i. \checkmark 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:_____

-1548H (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: areview of the well log; bfield inspection by; creport of CWRE; dother: (specify);
6.	THE WELL construction deficiency: aconstitutes a health threat under Division 200 rules; bcommingles water from more than one groundwater reservoir; cpermits the loss of artesian head; dpermits the de-watering of one or more groundwater reservoirs; eother: (specify)
7.	THE WELL construction deficiency is described as follows:
8.	THE WELL awas, or constructed according to the standards in effect at the time of bwas not original construction or most recent modification. cI don't know if it met standards at the time of construction.
RECO	OMMENDATION:
A B C	 _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." _I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department. _REFER this review to Enforcement Section for concurrence.
	THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL
I cond	cur in G/H's recommendation A or B above relating to conditioning or withholding the permit
<u></u>	(Signature)
I do 1	not concur in G/H's recommendation A or B above relating to conditioning or withholding the

(Signature)

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BEATTY QUADRANGLE OREGON-KLAMATH CO. 7.5 MINUTE SERIES (TOPOGRAPHIC)







• • • PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15484

\$RECNO	API	PLICATION	PER	MIT	LOC-QQ	USE	RATE	DIV-UNITS	
1	G	5768	G	4985	35.00s12.00e27NWNW	IR	3.2100	С	
1	G	11717	G	10815	35.00s12.00e27NWNW	AQ	1100.0000	G	
2	G	2749	G	2554	35.00s12.00e26swNW	IS	1.4100	С	
2	G	5768	G	4985	35.00s12.00e26swNW	IR	1.8600	С	
2	G	11717	G	10815	35.00s12.00e26swNW	AQ	1700.0000	G	
3	G	4146	G	3893	35.00s12.00e26swne	IR	0.6300	С	
4	G	2108	G	1946	35.00S12.00E27NESE	IR	0.9800	С	
5	G	1918	G	1763	35.00S12.00E34SESE	IR	1.7200	С	
6	G	13095	G	12593	35.00S12.00E36SWSE	IR	1.9300	С	
7	G	1752	G	1602	36.00S12.00E 3NENW	IR	0.6700	С	
8	G	2580	G	2392	36.00S12.00E 2NWNW	IR	4.0600	С	
8	G	2580	G	2392	36.00S12.00E 2NWNW	IR	4.1000	С	
8	G	10624	G	9733	36.00S12.00E 2NWNW	IR	0.7800	С	
9	G	11922	G	11574	36.00S12.00E 2SENW	IR	0.9500	С	
10	G	9692	G	9030	36.00S12.00E 2NESW	IS	1.1200	С	
11	G	12836	G	11812	36.00S12.00E11NWNW	IR	2.1800	С	
* * * * * * * * * * * * * * * * * * * *									

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15484

\$RECNO	API	PLICATION	PE	RMIT	LOC-QQ	CONDITION-CODE
1	G	12836	G	11812	36.00S12.00E11NWNW	4KG
2	G	12992	G	11569	36.00S12.00E24SWNW	DRF
2	G	13503	G	12912	36.00S12.00E24SWNW	
	* *	*******	***	* * * * * * * * *	* * * * * * * * * * * * * * * * * * * *	* * * * * * * * * *

APPLICATION G 15484 FALLS WITHIN THESE QUAD(S)

BEATTY