## Water Right Conditions Tracking Slip

Alegand 2011b
Groundwater/Hydrology Section
FILE ## G-17076  ROUTED TO: Water Rights - Joel TOWNSHIP! RANGE-SECTION: IN/22E - 8 cd
CONDITIONS ATTACHED? LYves [] no
REMARKS OR FURTHER INSTRUCTIONS:
Reviewer: Mike Zwart

## PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS TO: Water Rights Section Date October 8, 2008 FROM: Ground Water/Hydrology Section \_\_\_ Mike Zwart Reviewer's Name Application G- <u>17076</u> SUBJECT: Supersedes review of PUBLIC INTEREST PRESUMPTION; GROUNDWATER OAR 690-310-130 (1) The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525. Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation. A. GENERAL INFORMATION: Applicant's Name: Andre Meyer/Kalex Farms Partnership County: Gilliam Applicant(s) seek(s) 1.11 \_\_\_cfs from \_1\_well(s) in the \_\_\_\_\_\_Umatilla A1. Willow Creek subbasin Quad Map: Hickland Butte Proposed use: Irrigation, 385 acres Seasonality: March 1-October 31 A2. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid): A3. Applicant's Proposed Location Location, metes and bounds, e.g. Well Logid Proposed Aquifer\* Well # Rate(cfs) (T/R-S QQ-Q) 2250' N, 1200' E fr NW cor S 36 GILL 50189 1 1 Columbia River 1.11 1N/22E-8 SE-SW N 45°, 34.610 GPS, W 120°, 5.630 GPS Basalt 2 3 4 5 \* Alluvium, CRB, Bedrock Casing Well Well First Well Seal Liner Perforations Draw SWL **SWL** Interval Test Well Elev Water Depth Interval Intervals Or Screens Yield Down ft bls Date Type S ft msl ft bls (ft) (ft) (ft) (gpm) (ft) (ft) (ft) 820 265 220 1/3/07 795 0-18, 98-118 0-118 n/a 600 n/a n/a A Use data from application for proposed wells. Comments: The location information provided by the applicant did not include the distance to a point of reference on the application map. Also, the location information did not state the units of the GPS measurement. It was determined that the correct units are degrees/decimal minutes. The well log reports that three water-bearing zones were developed below the casing and seal, but the static water level did not change as drilling progressed. Basin rules relative to the development, classification and/or A5. Provisions of the Umatilla management of ground water hydraulically connected to surface water $\square$ are, or $\boxtimes$ are not, activated by this application. (Not all basin rules contain such provisions.) Comments:

A6. Well(s) #

Comments:

Name of administrative area:

\_\_\_\_, \_\_\_\_, \_\_\_\_, tap(s) an aquifer limited by an administrative restriction.

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## B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130, 400-010, 410-0070

Base	ed upon available data, I have determined that ground water* for the proposed use:
a.	is over appropriated, is not over appropriated, or is cannot be determined to be over appropriated during any period of the proposed use. * This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130;
b.	□ will not or □ will likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;
c.	will not or will likely to be available within the capacity of the ground water resource; or
d.	<ul> <li>will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource:</li> <li>i.</li></ul>
a.	Condition to allow ground water production from no deeper than ft. below land surface;
b.	Condition to allow ground water production from no shallower than ft. below land surface;
c.	★ Condition to allow ground water production only from the ground water reservoir;
d.	☐ Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.
	senior water rights, not within the capacity of the resource, etc):
The disp	ound water availability remarks: This site is within about 5.5 miles of several current State observation wells. e nearest well (GILL 64) is of greatest interest because the head is similar to that of the well here. This well has blayed significant water-level decline in the 1960s through the 1980s, but the water level has been relatively stable to about 1990.
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GROUNI	WA'	ΓER/SUR	FACE	WATER C	<u>ONSIDER</u>	ATIONS,	OAR 690-	09-040			
690-09-0	40 (1)	: Evaluatio	n of aquit	er confineme	ent:						
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Water A 690-09- connect are pertithe requ	Availal  040 (4  ed and  nent to  ested r	bility Basin ): Evaluati I less than that surface ate against	ion of street mile from the water street 1% o	eam impacts of a surface ource, and not face of a surface ource, and not face our	for each well water source ot lower SW	30710401, that has be Limit evalues sources to be pertinent	Eightmile C en determine luation to ins which the stre Water Availa	canyon > Will and or assumed tream rights a eam under evaluation (	to be hydraulind minimum staluation is tribu	nouth.  ically ream flow tary. Con	ws than
Well	SW #	Well < Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Poten for Su Interi Assum	ıbst. fer.	
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Comments: This section does not apply.

C3b. 690-09-040 (4): Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same

evaluati	on and	IIIIIIIIIIIIII	apply as	in C3a abov	·.					
	SW #		Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?

C40	600 00 040 (5). Estimated impacts on hydraulically connected surface water sources greater than one mile as a

C4a. 690-09-040 (5): Estimated impacts on hydraulically connected surface water sources greater than one mile as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

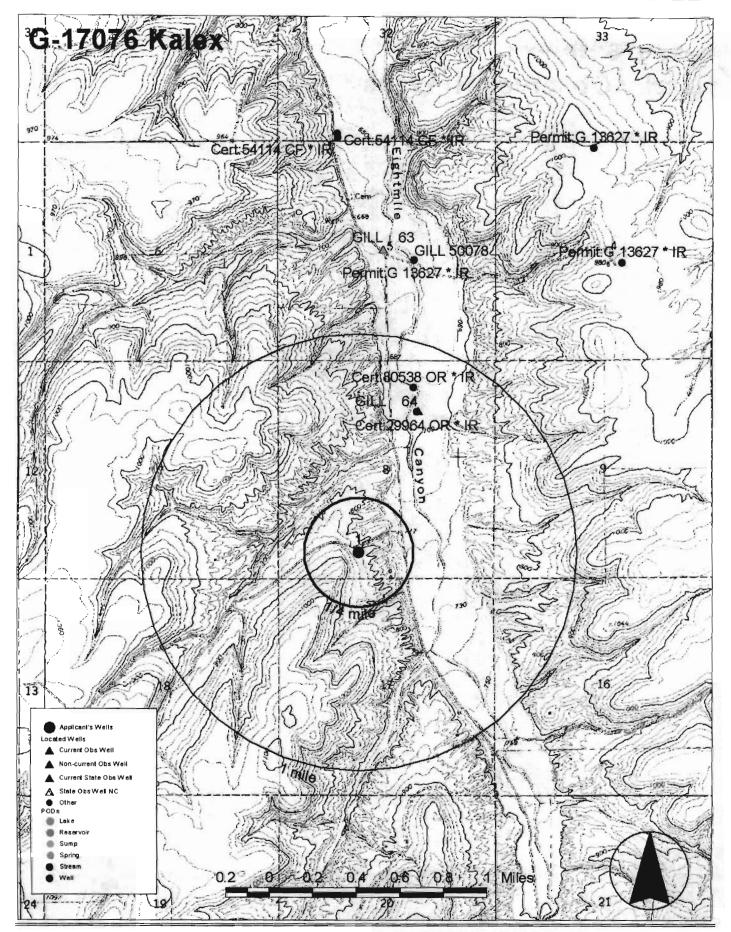
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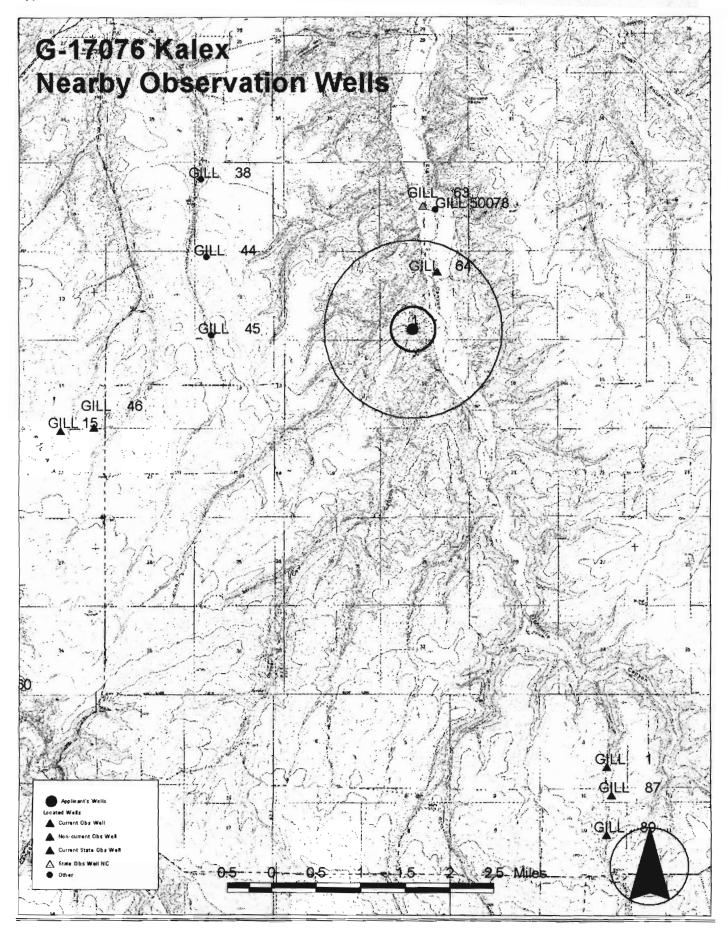
(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

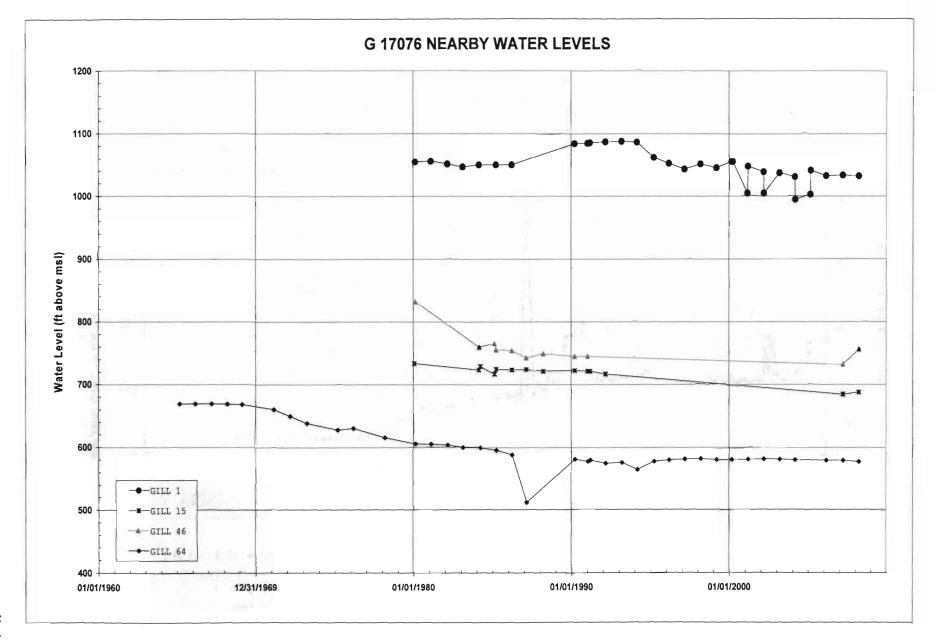
Basis for impact evaluation:

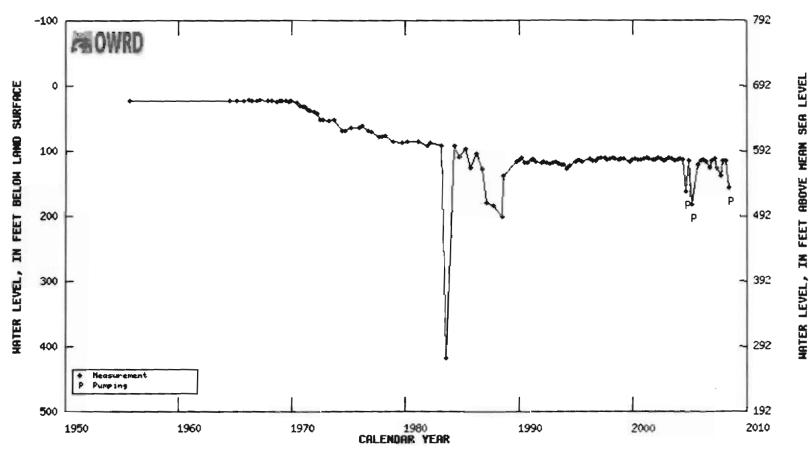
cation: G- 17076 continued	Date: October 8, 2008
690-09-040 (5) (b) The potential to impair or detrimental Rights Section.	ally affect the public interest is to be determined by the Wa
under this permit can be regulated if it is found to substantial	•
<ul> <li>i.  The permit should contain condition #(s)</li> <li>ii.  The permit should contain special condition(s) a</li> </ul>	s indicated in "Remarks" below;
// GW Remarks and Conditions:	
7 GVI Activities and Conditions.	
ferences Used: <u>Local well logs; nearby recent reviews; Gapter 2, Hydrogeology, by Wozniak.</u>	W Reports 30 & 35; Lower Umatilla Basin Report, 1995,

WELL CONSTRUCTION, OAR 690-200	
Well #:1 Logid:	ILL 50189
<ul> <li>a.  review of the well log;</li> <li>b.  field inspection by</li> <li>c.  report of CWRE</li> <li>d.  other: (specify)</li> </ul>	n standards based upon:
<ul> <li>b.  commingles water from more than one ground</li> <li>c.  permits the loss of artesian head;</li> <li>d.  permits the de-watering of one or more ground</li> </ul>	d water reservoirs;
THE WELL construction deficiency is described as	follows:
	outed according to the standards in effect at the time of ost recent modification.
b. 🗌 I don't know if it met stan	dards at the time of construction.
	thholding issuance of the permit until evidence of well reconstruction rement Section and the Ground Water Section.
IS SECTION TO BE COMPLETED BY ENFORCE	CEMENT PERSONNEL
☐ Well construction deficiency has been corrected by the	following actions:
	, 200
(Enforcement Section Signature)	
Route to Water Rights Section (attach well reconst	cruction logs to this page).
	Well #: Logid:G  THE WELL does not meet current well construction a.









## WATER RESOURCES DEPARTMENT

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