Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE #: G-17510

ROUTED TO: Water Rights

TOWNSHIP/
RANGE-SECTION: 15S/43E-29+32

CONDITIONS ATTACHED? [✓] yes [ ] no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Mike Zwart

WATER RESOURCES DEPARTMENT

MEMO December 15, 2011

TO: **Application G-** 17570

FROM: **GW:** Mike Zwart
(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)

_____Per ORS 390.835, the Ground Water Section is **able** to calculate ground water interference with surface water that contributes to a Scenic Waterway. The calculated interference is distributed below.

_____Per ORS 390.835, the Ground Water Section is **unable** to calculate ground water interference with surface water that contributes to a scenic waterway; **therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway.**

DISTRIBUTION OF INTERFERENCE

Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding.

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

PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO: Water Rights Section Date **December 15, 2011**

FROM: Ground Water/Hydrology Section **Michael Zwart**
Reviewer's Name

SUBJECT: Application G- **17510** Supersedes review of _____
Date of Review(s)

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: **Michael McGourty** County: **Malheur**

A1. Applicant(s) seek(s) **3.39** cfs from **three** well(s) in the **Malheur** Basin, **Willow Creek** subbasin Quad Map: **Jamieson**

A2. Proposed use: **Irrigation, 225.5 P, 44.1 S** Seasonality: **March 1 to October 31**

A3. Well and aquifer data **(attach and number logs for existing wells; mark proposed wells as such under logid):**

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	**MALH 52005**	**M52005**	**Tertiary Seds.**	**0.8913**	**15S/43E-29 NW-NW**	**1266' S, 147' E fr NW cor S 29**
2	**MALH 52013**	**M52013**	**Tertiary Seds.**	**0.3342**	**15S/43E-29 NW-SW**	**1357' N, 735' E fr SW cor S 29**
3	**MALH 127***	**Singleton 1**	**Tertiary Seds.**	**2.1645****	**15S/43E-32 NW-NW**	**19' S, 253.1' E fr NW cor S 32**
4						
5						

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	**2620**	**317**	**42.25**	**2/19/03**	**375**	**0-18**	**0-18**	**None**	**None**	**400**	**158**	**P**
2	**2585**	**117**	**39.5**	**3/4/03**	**375**	**0-30**	**0-38**	**None**	**None**	**150**	**85**	**P**
3	**2572**	**245**	**25**	**4/13/88**	**350**	**0-68**	**0-68**	**None**	**None**	**450**	**120**	**P**

Use data from application for proposed wells.

A4. **Comments: *The application did not include MALH 127 because the agent could not locate a well log. Based on the information in file G-11854, I believe that this is the correct well log, despite the incorrect location by the driller. Attached is an email from the agent confirming this well log tie. **There was no rate specified for this well, so I estimated based on the total rate requested less the requested rates for the other two wells.**

A5. ☒ **Provisions of the Malheur** Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water ☐ **are,** *or* ☒ **are not,** activated by this application. (Not all basin rules contain such provisions.)
Comments: _____

A6. ☐ **Well(s) #** _____, _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction.
Name of administrative area: _____
Comments: _____

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

B1. **Based upon available data**, I have determined that ground water* for the proposed use:

a. ☐ **is** over appropriated, ☒ **is not** over appropriated, *or* ☐ **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. ☒ **will, if properly conditioned**, avoid injury to existing ground water rights or to the ground water resource:
   i. ☒ The permit should contain condition #(s) 7C
   ii. ☐ The permit should be conditioned as indicated in item 2 below.
   iii. ☐ The permit should contain special condition(s) as indicated in item 3 below;

B2. 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 between approximately_____ ft. and_____ ft. below land surface;

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.

Describe injury –as related to water availability– that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc): _____

B3. **Ground water availability remarks: The nearby observation wells (MALH 220 and 122) penetrate an overlying alluvial aquifer, so they are not especially useful to evaluate groundwater availability for the deeper aquifer (Glenns Ferry Formation) penetrated at these wells. It appears that there is limited but increasing local development of the deeper aquifer for irrigation.**

C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. **690-09-040 (1):** Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
All	**Likely the Glenns Ferry Fm. or equiv. (Tig in GW Rpt. 34)**	☒	☐
		☐	☐
		☐	☐
		☐	☐
		☐	☐

Basis for aquifer confinement evaluation: The water-bearing zones in the Glenns Ferry Formation are relatively deep relative to the static water level.

C2. **690-09-040 (2) (3):** Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a. horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES	NO	ASSUMED	Potential for Subst. Interfer. Assumed? YES	NO
1	1	Willow Creek	2578	2560	4300	☐	☒	☐	☐	☒
2	1	Willow Creek	2545	2550	3300	☐	☒	☐	☐	☒
3	1	Willow Creek	2547	2545	2200	☐	☒	☐	☐	☒
1	2	Phipps Creek	2578	2595	2200	☐	☒	☐	☐	☒
2	2	Phipps Creek	2545	2580	100	☐	☒	☐	☐	☒
3	2	Phipps Creek	2547	2565	250	☐	☒	☐	☐	☒
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐

Basis for aquifer hydraulic connection evaluation: The aquifer developed likely discharges to the overlying or adjacent alluvial deposits and therefore is in indirect and inefficient hydraulic connection with the creek.

Water Availability Basin the well(s) are located within: Phipps Cr > Willow Cr at mouth (31011911).

C3a. **690-09-040 (4):** Evaluation of stream impacts for each well that has been determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% *natural* flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked ☒ box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	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?
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐

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 evaluation and limitations apply as in C3a above.

	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?
			☐			☐		☐		☐
			☐			☐		☐		☐
			☐			☐		☐		☐
			☐			☐		☐		☐

Comments: **This section does not apply.**

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.

Non-Distributed Wells Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													

Distributed Wells Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													

(A) = Total Interf.												
(B) = 80 % Nat. Q												
(C) = 1 % Nat. Q												
(D) = (A) > (C)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(E) = (A / B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

(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:

C4b. **690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.**

C5. ☐ **If properly conditioned**, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:

i. ☐ The permit should contain condition #(s)_____;

ii. ☐ The permit should contain special condition(s) as indicated in "Remarks" below;

C6. **SW / GW Remarks and Conditions**

References Used: Ground Water Report #34 by Marshall Gannett; local well logs; local reviews, especially G-16705 & G-17117.

D. WELL CONSTRUCTION, OAR 690-200

D1. **Well #:** All **Logid:** MALH 52005, 52013 & 127

D2. **THE WELL 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) _____

D3. **THE WELL construction deficiency:**
- a. ☐ constitutes a health threat under Division 200 rules;
- b. ☐ commingles water from more than one ground water reservoir;
- c. ☐ permits the loss of artesian head;
- d. ☐ permits the de-watering of one or more ground water reservoirs;
- e. ☐ other: (specify) _____

D4. **THE WELL construction deficiency is described as follows:** I have no issues with the construction of these wells. The alluvial aquifer, if present, is cased and sealed off.

D5. THE WELL
- a. ☐ **was,** *or* ☐ **was not** constructed according to the standards in effect at the time of original construction or most recent modification.
- b. ☒ I don't know if it met standards at the time of construction.

D6. ☐ **Route to the Enforcement Section.** I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

D7. ☐ Well construction deficiency has been corrected by the following actions: _____

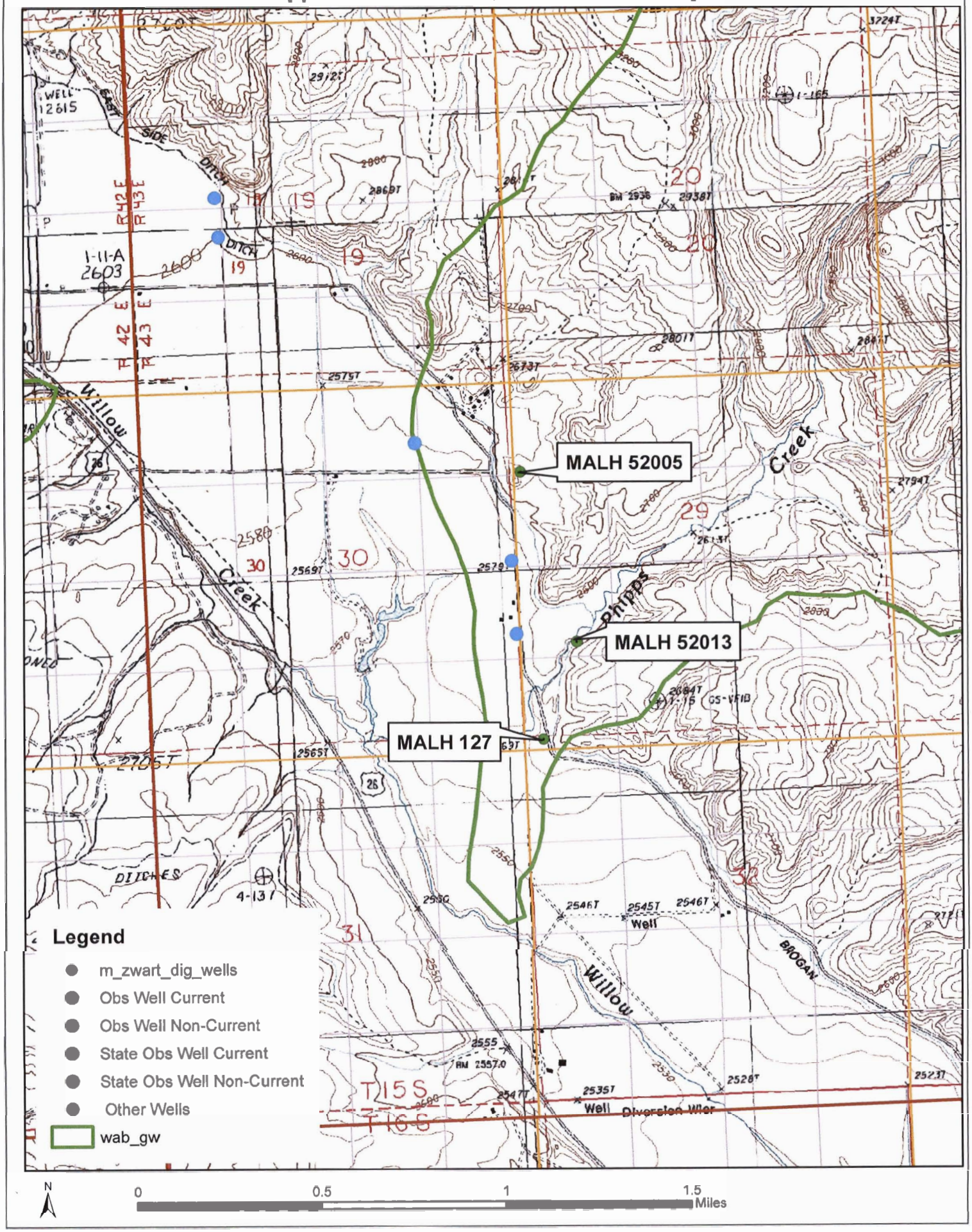
_____

_____, 200____.

(Enforcement Section Signature)

D8. ☐ **Route to Water Rights Section (attach well reconstruction logs to this page).**

Application G-17510, Michael McGourty



RECEIVED
MAY 25 1988
WATER RESOURCES DEPT.
SALEM, OREGON

RECEIVED
Malh 127
OCT - 5 1988
WATER RESOURCES DEPT.
SALEM, OREGON

155/43E-30 66
State Well No. 43/15E-30 66

WATER WELL REPORT
STATE OF OREGON

Malh 127

PLEASE TYPE or PRINT IN INK

Permit No. .....

(1) OWNER:
Name Michael D.& Jeanie D. Singleton
Address P.O. Box 5
City Jamieson Or. State Or.

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

(3) TYPE OF WELL:
Rotary Air ☐ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☒ Bored ☐

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

CASING INSTALLED:
Steel ☐ Plastic ☒
Threaded ☐ Welded ☐
12 " Diam. from +1 ft. to 68 ft. Gauge 160#
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) 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.

(7) 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.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Driller
450 gal./min. with 120 ft. drawdown after 4 hrs.
Air test gal./min. with drill stem at ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 60° Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used Bentonite
Well sealed from land surface to 68 ft.
Diameter of well bore to bottom of seal 16" to 20ft. in.
Diameter of well bore below seal 12 in.
Number of sacks of bentonite used in seal 26 sacks
How was cement grout placed? dry
Was pump installed? no Type HP Depth ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Malheur Driller's well number
N.W. ¼ N.W. ¼ Section 30 T. 43S R. 45 43 W.M.
Tax Lot # 1101 Lot Blk Subdivision
Address at well location:

(11) WATER LEVEL: Completed well.
Depth at which water was first found 25 ft.
Static level 25 ft. below land surface. Date 4-13-88
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 12
Depth drilled 350 ft. Depth of completed well 350 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.

/Soil/

MATERIAL	From	To	SWL
Soil	0	2	
Brn. gravel	2	8	
Brn. clay	8	25	
Brn.gravel brn.sand(w.b.)	25	30	25
Gry.clay-brn.&blk.gravel	30	45	25
Gry.clay	45	58	
Gry. clay-blk.&brn.gravel(large)	58	63	25
Gry. clay	63	245	
Blk.&brn.gravel-brn.sand (fine) W.b.	245	247	30
Gry.clay	247	310	30
Gry. sand(fine)	310	312	30
Gry. clay-gry.sand(fine)	312	340	30
Gry.clay	340	350	30

Work started 4-10 1988 Completed 5-14 1988
Date well drilling machine moved off of well 5-14 1988

(unbonded) Water Well Constructor Certification (if applicable):
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] ..... Date ....., 19.....

Bonded Water Well Constructor Certification:
Bond A-7933149 (number) Issued by: Miller- Texas (Surety Company Name)
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Bowman Drilling (Person, firm or corporation) (or print)
Address P.O.box 41
[Signed] Herbert H. Bowman (Water Well Constructor)
Date 5-23- , 1988

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date of well completion

SP*45292-690

Mike Zwart

From: Dan Cummings <dan@ck3llc.net>
Sent: Thursday, December 15, 2011 10:19 AM
To: Mike Zwart
Subject: Well Log MALH 127
Attachments: MALH_127 corrections.pdf; WO04003 WR1 17x11 Rev1.pdf

Mike,
First I want to thank you for helping us find this well log; I missed seeing it when I was searching for it originally on your web site.
After researching this I believe you are correct, the Well log MALH 127 is the well I am calling Singleton 1 in our application.
See attached, I have found the old tax lot map 15S43C which shows that the N1/2NW1/4 of Section 32 was Tax Lot 1101 (on the well log it calls for Tax Lot 1101) and according to the Malheur County Assessor's office journal voucher (see attached) Michael Singleton had a contract buying this ground from Hammack Farms in 1976 and paid it off in 2000.
The well I am calling Singleton 1 is in the NW1/4NW1/4 (as called for on the well log) the only thing that appears to be wrong on the well log is the well is in Section 32 and not in 30 as stated on the log.
So please correct our application to include well Log MALH 127 as a replacement for the name Singleton 1 and I have change the map to reflect this (see attached).
Again thank you very much for your help in this matter. Please let me know that you received this email.

Dan

PS I have a call into Michael McGourty asking him to go look at the well to verify the size of casing, type of casing and any other markings he can find on the well to help verify things and I will let you know what he finds.

Dan K. Cummings, PLS
CK3, LLC
368 SW 5th Avenue
Ontario, Oregon 97914
541-889-5411 ~ FAX: 541-889-2074
E-MAIL: dan@ck3llc.net

LEGEND

DISCRIPTION	SYMBOLS
SECTION LINE	
QUARTER LINE	
QUARTER–QUARTER LINE	
PHIPPS CREEK	
BROGAN DITCH	
GATED PIPE	G G G
BURIED PIPE	B B B
HILL ROAD	
FARM LAND	
SECTION CORNER	36 31 1 6
IRRIGATION WELL	

ABBREVIATIONS

CERT.	CERTIFICATE
No.	NUMBER
(P)	PRIMARY
(S)	SUPPLEMENTAL

NEW WELL ACREAGES

SECTION 29:
- NW¼NW¼: 27.10 AC. TL3900 (P)
- SW¼NW¼: 17.00 AC. TL3900 (P)
- SW¼NW¼: 1.90 AC. TL3800 (S)
- NW¼SW¼: 13.20 AC. TL3800 (S)
- SW¼SW¼: 6.10 AC. TL3800 (S)

SECTION 30:
- NE¼NE¼: 22.40 AC. TL 2600 (S)
- SE¼NE¼: 36.00 AC. TL3600 (S)
- NE¼SE¼: 39.00 AC. TL 3700 (S)
- NW¼SE¼: 6.20 AC. TL 3500 (S)
- SE¼SE¼: 39.00 AC. TL 3700 (S)
- SW¼SE¼: 21.20 AC. TL 3500 (S)

SECTION 32:
- NW¼NW¼: 31.10 AC. TL4500 (S)
- NE¼NW¼: 9.40 AC. TL4500 (S)

TOTAL : 269.60 AC.

DISCLAIMER

I, STEWART R. EDWARDS, HEREBY CERTIFY: THAT THIS MAP WAS MADE TO BE PART OF THE APPLICATION FOR WATER RIGHTS. SECTIONAL LINES SHOWN ARE APPROXIMATE AND THIS MAP IS NOT INTENDED FOR ANY OTHER USE AND DOES NOT GUARANTEE LAND OWNERSHIP.

WATER RIGHTS

NEW PRIMARY WATER RIGHTS FROM WELLS MALH 52005, MALH 52013 & MALH 127

SUPPLEMENTAL WATER RIGHTS FROM WELLS MALH 52005, MALH 52013 & MALH 127.

SUPPLEMENTAL WATER RIGHTS FROM WELLS MALH 52005 & MAHL 52050.

WELL LOCATIONS

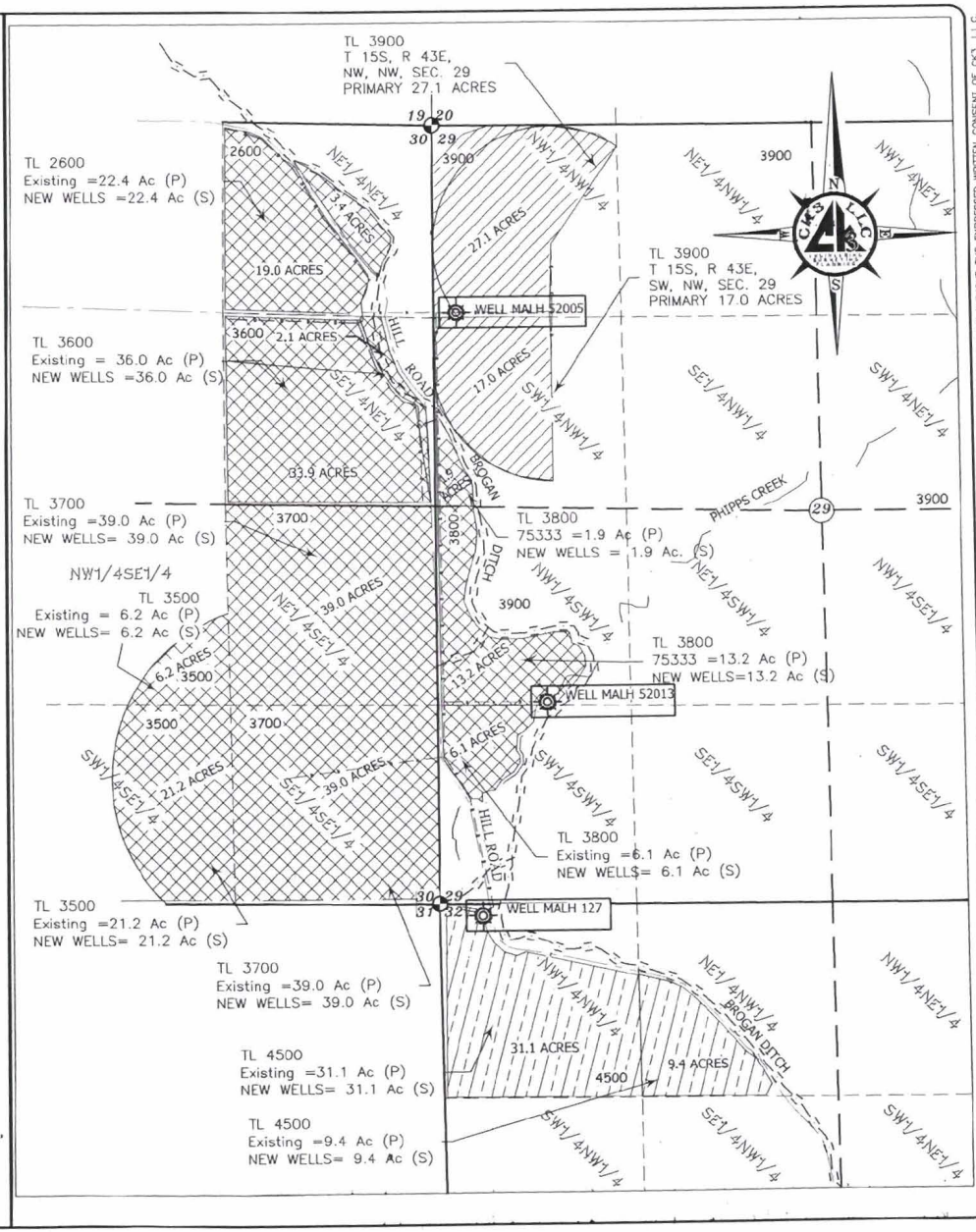
WELL No. MALH 52005: 1266' SOUTH AND 147' EAST OF THE NW CORNER SECTION 29, T15S., R.43 E., W.M.

WELL No. MALH 52013: 1357' NORTH AND 735' EAST OF THE SW CORNER SECTION 29, T15S., R.43 E., W.M.

WELL MALH 127: 19 ' SOUTH AND 253.1' EAST OF THE NW CORNER SECTION 32, T15S., R.43E., W.M.

CURRENT TAX LOT & OWNERSHIP

15S43 TL2600:	PHILIP WORSHAM UNDIVIDED 1/2 AND LENA WORSHAM UNDIVIDED 1/2.
15S43 TL3500:	PATRICK J. McGOURTY, MARCIA L. McGOURTY AND MICHAEL J. McGOURTY.
15S43 TL3600:	MARY LU BAGLEY- OWNER-CONTRACT: PATRICK McGOURTY &, MARCIA McGOURTY, h&w, AND MICHAEL McGOURTY & AMY McGOURTY, h&w.
15S43 TL3700:	PATRICK J. McGOURTY &, MARCIA L. McGOURTY, h&w, AND EDWARD McGOURTY FAMILY TRUST AND HELEN K. McGOURTY FAMILY TRUST.
15S43 TL3800:	MICHAEL J. McGOURTY
15S43 TL3900:	MICHAEL J. McGOURTY
15S43 TL4500:	MICHAEL J. McGOURTY



800' 0 800' 1600'

SCALE 1" = 800'

ALL DISTANCES SHOWN HERE ARE IN FEET UNLESS NOTED OTHERWISE

ENG. BY: Dan Cummings
APR. BY: Stewart Edwards
DWG. BY: DKC
DATE: Nov. 22, 2011

#	REVISION	DATE
01	CORRECTED WELL NAME MALH 127	12-15-11
02		
03		
04		

APPLICATION MAP
T 15 S, R 43 E,
SEC. 29, 30 & 32, W.M.
MALHEUR COUNTY, OREGON

MICHAEL McGOURTY
2945 Bit Road
Brogan, OR 97903

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WR1
SHEET 1 OF 1
JOB: WO-04003