

# Completion Checklist for CWRE Claims of Beneficial Use

Application # G-12485  
Permit # G-12033  
Transfer # \_\_\_\_\_  
Date \_\_\_\_\_  
Reviewer \_\_\_\_\_



Date Received 12/19/1996  
CWRE Name Charles Palmer  
Claim Logged   
File Marked   
Oversized Map # \_\_\_\_\_  
Read and attach copy of permit or transfer

## Map Review:

- \_\_\_\_\_ Map on polyester film
- \_\_\_\_\_ Application & permit #; or transfer #
- \_\_\_\_\_ Disclaimer
- \_\_\_\_\_ North arrow
- \_\_\_\_\_ CWRE stamp and signature
- \_\_\_\_\_ Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map)
- \_\_\_\_\_ Township, range, section, and tax lot numbers
- \_\_\_\_\_ Source illustrated if surface water
- \_\_\_\_\_ Point(s) of diversion or appropriation (illustrated)
- \_\_\_\_\_ Point(s) of diversion or appropriation (coordinates)
- \_\_\_\_\_ Conveyance structures illustrated (pump, pipelines, ditches, etc.)
- \_\_\_\_\_ Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required
- \_\_\_\_\_ Place of use (1/4 1/4, or projected 1/4 1/4 lines within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision; if for domestic or human consumption, location of dwelling or spigot)
- \_\_\_\_\_ Checked to legal description

## Report Review:

- \_\_\_\_\_ On form or format provided by the Department
- \_\_\_\_\_ Application & permit #; or transfer #
- \_\_\_\_\_ County
- \_\_\_\_\_ Tax lot information
- \_\_\_\_\_ Date of survey
- \_\_\_\_\_ Person interviewed
- \_\_\_\_\_ Ownership information
- \_\_\_\_\_ Source(s) of water
- \_\_\_\_\_ Point of diversion/appropriation location
- \_\_\_\_\_ Use, period of use, and rate for use
- \_\_\_\_\_ Place of use location
- \_\_\_\_\_ Type of use
- \_\_\_\_\_ Extent of use
- \_\_\_\_\_ Rate and Duty
- \_\_\_\_\_ Diversion rate for each use
- \_\_\_\_\_ Description of conveyances system (from POD to POU)
- \_\_\_\_\_ Diversion works description (pump make, serial model, capacity, and description)
- \_\_\_\_\_ System capacity
  - \_\_\_\_\_ Calculated capacity of system (required)
  - \_\_\_\_\_ Measured amount of use (optional)
- \_\_\_\_\_ Permit conditions
  - \_\_\_\_\_ Time limits
  - \_\_\_\_\_ Initial water level measurements
  - \_\_\_\_\_ Annual static water level measurements
  - \_\_\_\_\_ Measurement, recording, and reporting
    - \_\_\_\_\_ Meter/measuring device
    - \_\_\_\_\_ Water use reporting
  - \_\_\_\_\_ Fish screening and/or by-pass
  - \_\_\_\_\_ Pump test (ground water)
  - \_\_\_\_\_ Other conditions
- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ \_\_\_\_\_
- \_\_\_\_\_ CWRE stamp and signature
- \_\_\_\_\_ Signature(s) of permittee of transfer holder

# Certificate Issuance Processing Checklist

- Map and COBU reviewed
- Conflict check (include copy of plat card printout)
- Check current ownership

Any Conflicts? \_\_\_\_\_

## Staff Recommendations:

\_\_\_\_\_ Proof to the Satisfaction has been established to the full extent as described in the permit or transfer order.

\_\_\_\_\_ Proof to the Satisfaction has been not been established to the full extent as described in the permit or transfer order and the right should be limited as follows: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_ Proof to the Satisfaction has not been established for the following reasons: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Proposed Actions:

Send letter requesting the following items/information: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Send letter recommending extension to cure deficiencies: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Can certificate be processed further?

\_\_\_\_\_ Yes

If "Yes":

\_\_\_\_\_ Proposed

\_\_\_\_\_ Final

Certificate # \_\_\_\_\_

Mailing list:

Proposed:

Final:

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WATER RESOURCES DEPT.  
SALEM, OREGON

SITE REPORT

for

**CLAIM OF BENEFICIAL USE**

**Under:** Application No. G-12485 & Permit G-12033

**In the Name of:** Mike & Sherri Jones  
HC 71 Box 63A  
Burns, Oregon 97720

**Location:** This irrigation system is located in Section 16 of  
T.24S., R.32-1/2E., W.M., Harney County, Oregon.  
Tax Lot 4300 & 4400 of Map 24-32V.

**I. GENERAL INFORMATION**

On December 2, 1996 I conducted a site visit on the subject water right application with owner/operator, Mike Jones. Although the system was not in operation this time of year, evidence of crops and irrigation was used for this report.

**II. IRRIGATION SYSTEM**

The irrigation system consists of 2 wells, 10" PVC transmission pipelines and a 1680 ft. pivot.

**Water Source** - Water is provided from 2 wells located as described in the Permit and as shown on the Final Proof Map. Information on these wells as provided by the owner and well logs indicate:

Well Data	<u>Well No. 2</u>	<u>Well No. 5</u>
Year Drilled	1974	1978
Depth	372 ft.	485 ft.
Casing Size/Type	12"/1/4" stl.	12"/1/4" stl.
Casing Depth	372 ft.	481 ft.
Static Water Level	10 ft.	10 ft.
Pumping Level	60 ft.	80 ft.
Pump Setting	160 ft.	190 ft.
<b>Pump Data</b>		
Make/Model	G.E./K-5	G.E./K-5
Hp	50	75



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Both wells have a 1.5" dia. g.i.p. access port for water level measurements. WATER RESOURCES DIVISION SALEM, OREGON

**Transmission Pipe** - Water from Well No. 2 is transmitted thru 2460 ft. of 10" PVC pipe to the irrigation pivot. A 10" pipe from Well No. 5 connects to this pipe approximately 2000 ft. from the pivot. The wells operate in parallel.

**Irrigation Pivot** - A Lockwood make with a radius of 1680 ft., 132 sprinkler heads, and rated at 1000 gpm @ 20 psi. Pivot pipe goes from 8" to 6.5" diameter.

### III. SYSTEM CALCULATIONS

Based on the above information the capacity of the water delivery system is calculated as follows:

#### Well No. 2

Column Losses =	10 ft.
Elevation Difference =	
Pumping Level + Pivot Height =	80
Pipeline & Fitting Losses -	
460 ft. @ 650 gpm =	8
2000 ft. @ 1550 gpm =	35
Fitting Losses =	12
Pivot Losses =	40
Sprinkler Pressure =	<u>45</u>
TDH for Well No. 2 =	230 ft.

Theoretical capacity of Well No. 2:

$$Q = ( HP \times Eff \times 3960 ) / H =$$

$$Q = ( 50 \times 0.75 \times 3960 ) / 238 = 645 \text{ gpm}$$

#### Well No. 5

Column Losses =	15 ft.
Elevation Difference =	
Pumping Level + Pivot Height =	100
Pipeline & Fitting Losses -	
265 ft. @ 900 gpm =	5
2000 ft. @ 1550 gpm =	35
Fitting Losses =	10
Pivot Losses =	40
Sprinkler Pressure =	<u>45</u>
TDH for Well No. 2 =	250 ft.





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SALEM, OREGON

Theoretical capacity of Well No. 2:

$$Q = ( HP \times Eff \times 3960 ) / H =$$
$$Q = ( 75 \times 0.75 \times 3960 ) / 250 = 890 \text{ gpm}$$

Total System Capacity = Well No. 2 + Well No. 5  
= 1535 gpm = 3.42 cfs

Duty of water = 206.0 Acres @ 1/80 cfs per acre = 2.58 cfs

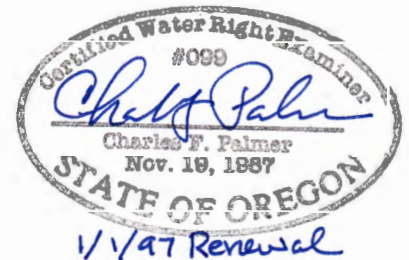
Therefore the system will supply 2.58 cfs per Permit G-12033.

#### IV. CERTIFICATION

I, Charles F. Palmer, Certified Water Rights Examiner, registered in accordance with the laws of the State of Oregon, do hereby certify that the final proof site survey and inspection of the use was found to be completed under the terms and conditions of Application No. G-12485, Permit No. G-12033, and that this site survey was conducted on December 2, 1996 and the information contained in this report and accompanying final proof map are correct to the best of my knowledge.

Charles F. Palmer  
Charles F. Palmer, C.W.R.E.  
Oregon Registration No. 99

Dec. 11, 1996



I, Mike Jones, Owner/Operator, hereby agree to the above findings of Charles F. Palmer, Certified Water Rights Examiner, and do submit this site report and map as Claim of Beneficial Use of the water as provided under the terms and conditions of Application No. G-12485.

Mike Jones

12/16, 1996



1000

1000

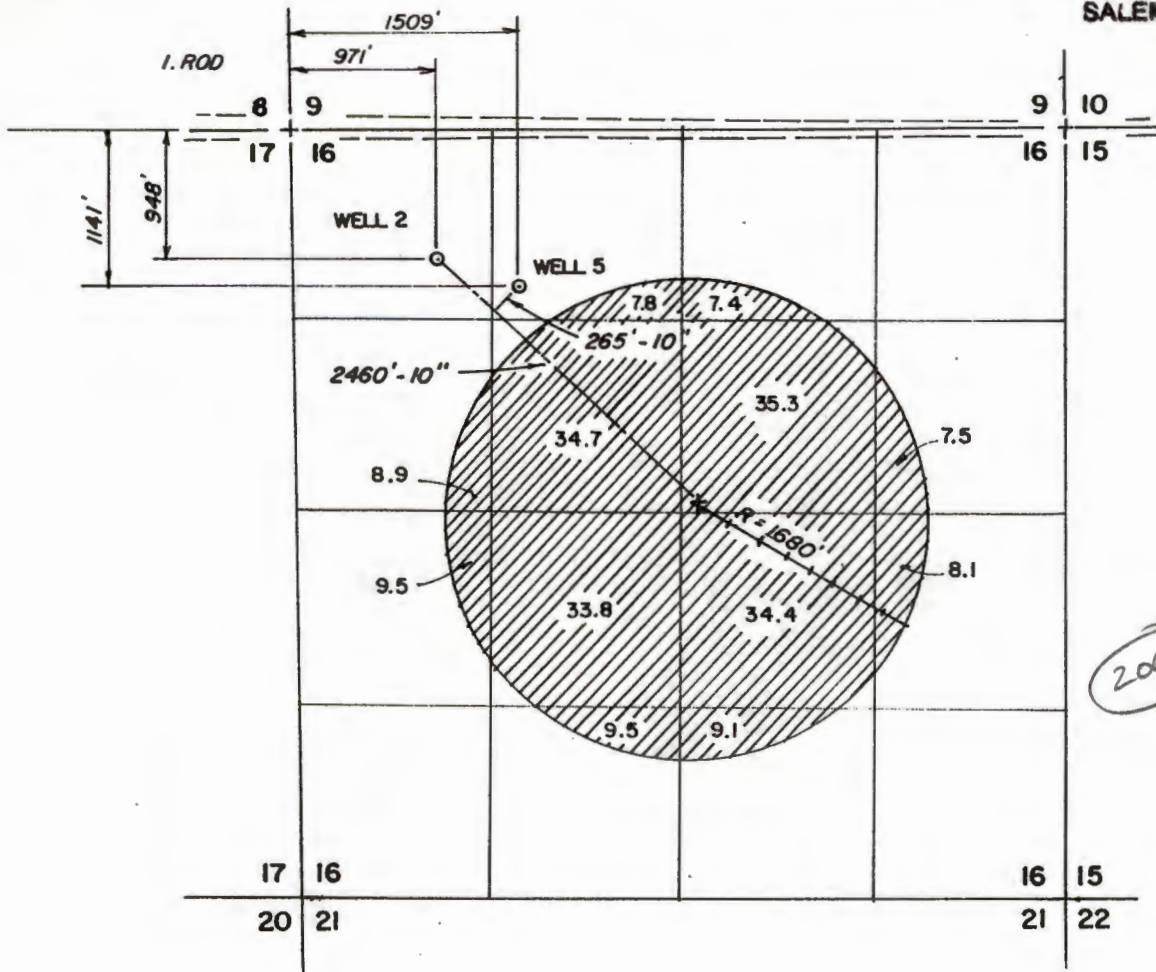


T. 24 S., R. 32 1/2 E., W.M.  
 HARNEY CO., OREGON

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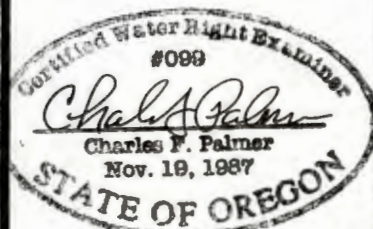
THE PURPOSE OF THIS MAP IS TO IDENTIFY THE LOCATION OF THE WATER RIGHT. IT IS NOT INTENDED TO PROVIDE INFORMATION RELATIVE TO THE LOCATION OF PROPERTY OWNERSHIP

MIKE & SHERRI JONES

BURNS, OREGON

**FINAL PROOF MAP**

IN THE MATTER OF PERMIT G-12033



1/1/97 RENEWAL

Scale: 1" = 1320'	Date: DEC. 4, 1996	Job: 1299
Den: -	<b>M. A. PALMER &amp; SONS, INC.</b> ENGINEERING & SURVEYING 254 N. Alder - Box 61 Burns, Oregon 97720	Sht. No. 1
Drn: CORK		of 1
Ckd: -		