

**WATER WELL REPORT**  
STATE OF OREGON

**HARN 1053** RECEIVED  
DEC 22 1981

State Well No. **245/33E-36ab**

**Harn 1053**

DUPLICATE WATER RESOURCES DEPARTMENT PERMIT NO. SALEM, OREGON

**(1) OWNER:**

Name **Bob Cargill**  
Address \_\_\_\_\_  
City **Crane** State **Oregon**

**(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   
 Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other   
Thermal: Withdrawal  ReInjection

**(5) CASING INSTALLED:**

Steel  Plastic   
Threaded  Welded   
16" Diam. from +1 ft. to 145 ft. Gauge .250

**LINER INSTALLED:**

" Diam. from ft. to ft. Gauge

**(6) PERFORATIONS:**

Perforated?  Yes  No  
Type of perforator used **Roscoe Moss Louvered**  
Size of perforations **1/8** in. by **2 3/8** in.  
2070 perforations from 73 ft. to 121 ft.  
3312 perforations from 121 ft. to 145 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 **Harney County Farm Supply**  
Was a pump test made?  Yes  No If yes, by whom?  
Pump: **1000** gal./min. with **98** ft. drawdown after **6** 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 **54°** Depth artesian flow encountered \_\_\_\_\_ ft.

**(9) CONSTRUCTION:**

Special standards: Yes  No   
Well seal—Material used **cement grout**  
Well sealed from land surface to **18** ft.  
Diameter of well bore to bottom of seal **24** in.  
Diameter of well bore below seal **16** in.  
Number of sacks of cement used in well seal **3 1/2** yards sacks  
How was cement grout placed? **from bottom up through tremie pipe**  
Was pump installed? **no** Type \_\_\_\_\_ HP \_\_\_\_\_ Depth \_\_\_\_\_ ft.  
Was a drive shoe used?  Yes  No Plugs **16"** Size: location **145** 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: **3/8 minus**  
Gravel placed from **18** ft. to **145** ft.

**(10) LOCATION OF WELL:**

County **Harney** Driller's well number \_\_\_\_\_  
NW 1/4 NE 1/4 Section **36** T. **24S** R. **34** 33E W.M.  
Tax Lot # \_\_\_\_\_ Lot \_\_\_\_\_ Blk \_\_\_\_\_ Subdivision \_\_\_\_\_  
Address at well location: \_\_\_\_\_

**(11) WATER LEVEL: Completed well.**

Depth at which water was first found **30** ft.  
Static level **28** ft. below land surface. Date **5-6-81**  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing \_\_\_\_\_  
Depth drilled **145** ft. Depth of completed well **145** 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.

MATERIAL	From	To	SWL
topsoil, brown, sandy	0	1	
clay, yellow	1	26	
clay, brown w/ fine sand	26	35	
fine sand, brown, coarse	35	60	30
coarse sand, brown w/ fine grav	60	66	
coarse sand, brown/pumice	66	80	28
fine sand, brown/pumice	80	90	28
coarse sand, brown/pumice	90	104	28
fine sand, brown clay	104	106	
coarse sand, brown	106	120	
fine gravel, brown/coarse sand	120	127	
coarse gravel	127	130	
coarse sand, brown	130	138	28
Medium gravel	138	140	
clay, yellow	140	145	28

Work started **4-22** 1981 Completed **5-6** 19 **81**  
Date well drilling machine moved off of well **5-6** 19 **81**

**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] **John V. Oetter** Date **5-15**, 19 **81**  
(Drilling Machine Operator)  
Drilling Machine Operator's License No. **1331**

**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 **Oetter Drilling & Irrigation Co.**  
(Person, firm or corporation) (Type or print)  
Address **P.O. Box 876, Crane, Oregon 97732**  
[Signed] **John V. Oetter**  
(Water Well Contractor)  
Contractor's License No. **773** Date **May 15**, 19 **81**

NOTICE TO WATER WELL CONTRACTOR  
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\*12658-690

For Official Use Only:

Received Date: \_\_\_\_\_

County Well Log ID #

Well Identification Tag #

Harn 1053

47384

### WELL IDENTIFICATION APPLICATION FORM

**BUYER/CURRENT WELL OWNER:**

Name: Tom or Barbara Howard

Mailing Address: P.O. Box 196

City: Drewsey State: OR Zip: 97904 Phone: 541-493-2603

**WELL LOCATION:**

County: Harney Owner's Well Number: 1

Township: 24S N or S, Range: 33E E or W, Section: 36 1/4 NE 1/4

Tax Lot Number: \_\_\_\_\_ Type of Well: Irrigation water supply \_\_\_\_\_ monitoring \_\_\_\_\_

Street Address of Well (if different from above): Crane-Buchanan Rd., Drewsey

**WELL INFORMATION: (do not complete remainder of application if well log is available)**

Start Card Number: \_\_\_\_\_ Approx. Construction Date: 5-6-1981

Well Constructor: John V. Detter

Name of Owner at Time of Construction: Bob Cargill

Well Depth (in feet): 145' Static Water Level (in feet): 28'

Diameter of Exposed Well Casing (in inches): \_\_\_\_\_

Does this well have a formal water right associated with it? Yes:  No: \_\_\_\_\_

If Yes: Application #: \_\_\_\_\_ Permit #: G-10396 Certificate #: G-10396

Please Return Completed Form to: ~~Larry D. McQueen~~ Janet Halliday

**RECEIVED**

JAN 16 2001

Well Identification Program  
Oregon Water Resources Department  
158 12th Street NE  
Salem, OR 97310

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