



AUG 2 4 1951

## STATE ENGINEER SALEM. OREGON

REPORT ON COMPLETION OF WELL

5/35 - 120h)

Application No. U -403
Permit No. U \_373
Well No. 1, Umatilla Canning Co.

(Note: This report should be submitted to the State Engineer, Salem, Oregon, as soon as possible after the well is completed. If more than one well is covered by this permit, a separate report shall be filed for each)

|         |   | Date of Report    | Augus  | it 22 ,      | 19 <u>51</u> |  |
|---------|---|-------------------|--|--------------|--------------|--|
| 1.      | Location of well: SW $\frac{1}{4}$ of SE $\frac{1}{4}$  | of Section 12     | Twp. 5N  | Rge 35 E.    | . W. M.      |  |
| 2.      | Name of nearest natural surface stre                    | eam Walla Walla F | River  |              |              |  |
| 3.      | Distance from well to that stream:                      | Approx. 4000      | feet.  |              | ,            |  |
| Ĺ.      | If the well is less than 1300 feet                      | from a natural su | rface st   | ream, give t | he dif-      |  |
| ••      | ference in elevation between the gre                    | ound surface at t | he well a  | and the lowe | st poi       |  |
|         | in stream channel: Date of beginning drilling or diggin | feet.             |  | •            |              |  |
| 5.      | Date of beginning drilling or diggin                    | ng. January 11,   | 1951   |              |              |  |
| 6.      | Date well was completed                                 | June 22, 19       | )51  |              |              |  |
| 7.      | LOG OF MA   | ATERIALS ENCOUNTE | RED  |              |              |  |
| -       | 1.  | Depth at whi      | ch i   | Thickness of |              |  |
|         | Character of Material                                   | encountered       | 7  | stratum      |              |  |
| •       | Yellow cement gravel                                    | At surface        | Oft.   | 41           | ft.          |  |
|         | Broken Basalt & Blue Clay                               | 41                | ft.  | 285          | ft.          |  |
| edium s | gray baselt & alternate clay & mud                      | 285               | ft.  | 421          | ft.          |  |
| errom 6 | Broken gray basalt                                      | 421               | ft.  | 562          | ft.          |  |
|         | Black basalt & gray basalt                              | 562               | ft.  | 751          | ft.          |  |
| edium b | lack basalt - (2ft. Hard black basalt                   | 816-818 ft ) 751  | ft.  | 878          | ft.          |  |
| <b></b> | Gray hard basalt  | 878               | ft.  | 881          | ft.          |  |
|         | Medium black basalt                                     | 881               | ft.  | 894          | ft.          |  |
|         | Hard black basalt                                       | 894               | ft.  | 913          | ft.          |  |
|         | Remarks: Medium black basalt                            | 913               | ft.  | 918          | ft.          |  |
|         |   |                   |  |              |              |  |
|         |   |                   |  |              |              |  |
|         | 11217 7 T   | UTATI METATE      |  |              |              |  |
| •       |   | NFORMATION        | 37   | 918          | feet.        |  |
|         |   | hes. Depth of we  | 90   |              | feet.        |  |
| 9•      | Depth at which water was first enco                     | unterea           |  |              |              |  |
|         | Water level when completed: 20                          | 19                | er perow   | ground surf  | ace.         |  |
| 11.     | Additional information regarding we                     | 11; such as soll  | conditi  | ons, quick s | and          |  |
|         | caves, obstructions, rock, etc.: S                      | ome caving - 321  | It to 50   | O It.        |              |  |
|         |   |                   |  |              |              |  |
|         |   |                   |  |              |              |  |
|         |   |                   | <del>-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del> |              |              |  |
|         |   |                   |  |              |              |  |
|         |   | <del>,</del>      |  |              |              |  |
| Ω       | 24" from 0 to 104 ft.                                   |                   |  |              |              |  |
| ٥.      | 20" from 104 to 321 ft.                                 |                   |  |              |              |  |
|         | 16" from 321 to 690 ft.                                 |                   |  |              |              |  |
|         | 12" from 690 to 918 ft.                                 |                   |  |              |              |  |
|         | IZ IFOM OYO OU YIO IT.                                  |                   |  |              |              |  |

5N/35-12()A) UMATILLA (0



### AUG 2 4 1951

#### PUMP INFORMATION

STATE ENGINEER SALEM. OREGON

| Manufacture  | of pump:   | н. р.   | COOK, Inc.   |   |   |  |
|--|--|---|--|---|---|--|
| Address:   |  | Lawrencebu  | urg, Indiana   |   |   |  |
| Data on nam  | ne or base p   | plate: Ser  | ial No. 13254  |   | ······································    | <del> </del>                           |
|  |  | Cook Re   | otation Pump   | · . · . · · · · · · · · · · · · · · · ·   |   | · · · · · · · · · · · · · · · · · · ·  |
| Data on pur  | np bowl asse   | embly: TR   | 5107   | 12 19   | 527                                       |  |
| -  | <u> </u>   |   | 26   | 12 TR   | 5280                                      |  |
| Size of pum  | n:   | 8" Turbine  |  |   |   |  |
| Rated capac  |  | 950   | gallons r  | er minute.  |   | <del></del>                            |
| Rated speed  |  | 1765  |  | ons per min   |   |  |
| Number of s  |  | 8   |  | •   |   |  |
| Size of int  | ake pipe:  | 811   |  |   |   |  |
| Size of dis  | cake pipe:<br>scharge pipe:<br>ntake pipe:   | e: 8m   |  |   |   |  |
|  |  |   | column, 25 fee   | et bowl ass   | embly, suct:                              | ion and s                              |
| Length of d  | lischarge pi   | ipė: <u>161</u>   | 65 ft  |   |   |  |
| Suction lif  | t: (differe  | ence in eleva   | .65 ft.<br>tion between w  | ater surface  | e in well a                               | ınd                                    |
| oump)  |  | 205 f€  | eet<br>vation between  |   |   |  |
| Discharge l  | .ift: (diffe   | erence in ele   | evation between  | pump and e  | end of disch                              | arge                                   |
| line)  | Hardly   | any pipe  | runs slightly surface:   | downhill  |   |  |
| epth of pu   | mp intake b  | pelow ground  | surface:   | 31.0  | feet.                                     |  |
| lemarks:   | This pu  | mp will be ex   | changed or wo  | ked over t  | o that we ca                              | an                                     |
| _pump_betr   | reen 1400 at   | nd 1500 g.p.n   | n. next season   | <del></del>   |   | <del></del>                            |
|  |  | MOTOR OR EN   | GINE INFORMATI   | ON  |   | ************************************** |
| Name of man  | ufacturer:   | General   | Electric   | ·   |   |  |
| Address:   |  | General<br>Sakka Sc   | Electric<br>chenectady, N.   | Υ.  |   |  |
| ddress:  |  | General<br>Sakka Sc   | Electric   | Υ.  |   |  |
| ddress:  | or or engin  | General<br>XXXX Sc<br>ne: Electric  | Electric<br>chenectady, N.   | Y.  | n 1 15 at Pr                              | 2+03 Vol+                              |
| Address: Type of mot   | cor or engin   | General SAKKE Sone: Electric  | Electric<br>chenectady, N.<br>Tinduction Mod   | Y.<br>or  | r 1.15 at Re                              | ated Volt                              |
| Address: Type of mot  Data on nam  60 cycles                                   | cor or engin   | General SAKKE Sone: Electric plate: Model lts Type K                                    | Electric<br>chenectady, N.<br>Induction Mod<br>5K445ALA Ser<br>Code F Fran   | Y.<br>cor<br>rvice Facto<br>ne 445 3  | phase 60 c                                | 7                                      |
| Address: Type of mot  Data on nam  60 cycles                                   | cor or engin   | General SAKKE Sone: Electric plate: Model lts Type K                                    | Electric<br>chenectady, N.<br>Tinduction Mod   | Y.<br>cor<br>rvice Facto<br>ne 445 3  | r 1.15 at Rephase 60 co                   | 7                                      |
| Address: Type of mot  Data on nam  60 cycles FL AMP 181,                       | or or engine or base possession 220/440 vo. 1/90.5 FL Spe  | General SEERE Sone: Electric plate: Model lts Type K eed 1765                           | Electric<br>chenectady, N.<br>c Induction Mod<br>5K445AlA Sec<br>Code F Fran<br>No. WGJ6873648   | Y.<br>cor<br>rvice Facto<br>ne 445 3  | phase 60 c                                | 7                                      |
| Address: Type of mot Oata on nam 60 cycles FL AMP 181,                         | cor or engine or base power:   | General SAGNE Sone: Electric plate: Model lts Type K eed 1765 N                         | Electric Chenectady, N. Cinduction Mod SK445ALA Sec Code F France No. WGJ6873648   | Y.<br>Cor<br>Tryclad  | phase 60 c<br>INDUCTION M                 | OT OR                                  |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated speed | cor or engine or base power:   | General SAKKE Sone: Electric plate: Model lts Type K eed 1765 N                         | Electric<br>chenectady, N.<br>c Induction Mod<br>5K445AlA Sec<br>Code F Fran<br>No. WGJ6873648   | Y.<br>Cor<br>Tryclad  | phase 60 c                                | OT OR                                  |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated Speed | cor or engine or base page 220/440 vo. /90.5 FL Sports and of motor or call the call | General  NAME Sone: Electric  plate: Model  lts Type K  eed 1765 N                      | Electric Chenectady, N. Tinduction Mod 5K445AlA Ser Code F Fran No. WGJ6873648   | Y.  rvice Facto ne 445 3  TRYCLAD  revolution   | phase 60 con induction management         | OT OR                                  |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated Speed | cor or engine or base power:   | General  NAME Sone: Electric  plate: Model  lts Type K  eed 1765 N                      | Electric Shenectady, N. Tinduction Mod 5K445AlA Ser Code F Fran No. WGJ6873648   | Y.  ryice Facto me 445 3  TRYCLAD  revolution p.m. at                                 | induction man in per minut                | OTOR<br>ce.                            |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated Speed | cor or engine or base page 220/440 vo. /90.5 FL Sports and of motor or call the call | General  NAME Sone: Electric  plate: Model  lts Type K  eed 1765 N                      | Electric Chenectady, N. Code F France F | Y.  rvice Facto me 445 3  TRYCLAD  revolution p.m. at p.m. at                         | induction man per minut                   | OTOR  Description                      |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated speed | cor or engine or base page 220/440 vo. /90.5 FL Sports and of motor or call the call | General  NAME Sone: Electric  plate: Model  lts Type K  eed 1765 N                      | Electric Shenectady, N. Induction Mod  5K445AlA Ser Code F Fran No. WGJ6873648  1765  950 general services and gen | Y.  rvice Facto me 445 3 TRYCLAD  revolution p.m. at p.m. at p.m. at                  | ns per minut  205 ft. h  300 ft. h        | OTOR  .e.                              |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated speed | cor or engine or base page 220/440 vo. /90.5 FL Sports and of motor or call the call | General  NAME Sone: Electric  plate: Model  lts Type K  eed 1765 N                      | Electric Shenectady, N. Shenectady,  | Y.  rvice Facto me 445 3  TRYCLAD  revolution p.m. at p.m. at p.m. at                 | ns per minut  205 ft. h  300 ft. h  ft. h | OTOR  Dead  nead  nead  nead  nead     |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated Speed | cor or engine or base page 220/440 vo. /90.5 FL Sports and of motor or call the call | General  NAME Sone: Electric  plate: Model  lts Type K  eed 1765 N                      | Electric Shenectady, N. Shenectady,  | Y.  rvice Facto me 445 3 TRYCLAD  revolution p.m. at p.m. at p.m. at                  | ns per minut  205 ft. h  300 ft. h        | OTOR  Dead  nead  nead  nead  nead     |
| Address: Type of mot Data on nam 60 cycles FL AMP 181, Rated horse Rated speed | cor or engine or base page 220/440 vo./90.5 FL Sports and of motor of city of Pumpribed motor  | General  NAME Sone: Electric  plate: Model  Its Type K  eed 1765 N  75 H.P.  or engine: | Electric Shenectady, N. Shenectady,  | Y.  rvice Facto ne 445 3 TRYCLAD  revolution  p.m. at p.m. at p.m. at p.m. at p.m. at | ns per minut  205 ft. h  300 ft. h  ft. h | oror<br>nead<br>nead<br>nead<br>nead   |



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#### CAPACITY TEST

# STATE ENGINEER SALEM. OREGON 5N/25-129AV

| 38.         | Motor spec                               | ed during   | test                               | 17, 1951 37. Tempe: From 1250 -  | rature of 1800 R.P.M  | water_                     | 60 °F •                  | or                    | _°C.               |        |
|-------------|--|---|------------------------------------|--|---|----------------------------|--------------------------|-----------------------|--------------------|--------|
| 39.         | Test made                                | by (weir  | , tan                              | k or other means)  | : Weir  |                            |                          |                       |                    |        |
| <b>±</b> 0. | 200008                                   | TOTAL HE  | AD                                 | *Total lift  |   | Feet                       |                          | aDraw-                | +Time              |        |
| HUAGE       | PREEXICE                                 |   |                                    | in feet  | per min.  |                            |                          |                       |                    |        |
| 205         |  |   |                                    |  | ***************************************   | eter le                    |                          | ft.                   |                    |        |
| 215         |  |   |                                    |  | n. 336  | 215                        | ft。                      | 10 It.                | 7:15 AM.           |        |
| 244         |  |   |                                    |  | n. 795  | 214                        |                          |                       | 8-30 AM.           |        |
| 266         |  |   |                                    |  | n. 1220   |                            |                          |                       | 10:30 A            |        |
| 287         |  |   |                                    |  | n. 1407   | 287                        |                          |                       | 12:30 PM•          |        |
| 287         |  |   |                                    |  | n 1407  | 287                        |                          |                       | 5:30 M·            | •      |
| 270         |  |   |                                    |  | n. 1220   | 25/5                       |                          | 65 10                 | 7:30 PM            | •      |
| 285         |  |   |                                    |  | n. 1407   | 285                        |                          |                       | $9: \Omega P^{M}$  |        |
| 285         |  |   |                                    |  | n. 1407   | 285                        |                          |                       | 1200 M             |        |
| 285         |  |   |                                    |  | n. 1407   | 285                        |                          |                       | 4:00 AM            | 8/1    |
| 270         |  |   |                                    |  | n. 1312   | 270                        |                          | 65 It                 | 4: 10 AM.          | •      |
| 263         |  |   |                                    |  | n. 1220   |                            |                          | 5810                  | 4:20 AM            | •      |
| 264         |  |   |                                    |  | n. 1220   |                            |                          |                       | 6:00 AM            |        |
| 295         | lbs.;                                    | Gauge at  | pump                               | 1  | n. 1501   |                            |                          |                       | 6:10 AM            | •      |
| 295         | lbs.;                                    | Gauge at  | pump                               |  | n. 1501   | 29                         |                          | 9010                  | 6:18 AM            | •      |
| 209         | lbs.;                                    | Gauge at  | pump                               | Total ft. i  | n. (RECOV   | FRY)                       | ft.                      |                       | 623 all.           |        |
|             | lbs.,                                    | Gauge at  | pump                               | Totalfti   | .n.   | <u> </u>                   | ft.                      | ft.                   | M.                 |        |
| 41.         | Distance + Hour an Installat             | e water l<br>d minute<br>ion will                 | evel<br>at wh<br>work              | level to water su<br>is lowered during<br>ich observation w<br>efficiently under | time interest to the transfer of the transfer | erval.                     | 32                       |                       | t <b>.</b>         | -      |
| 42.         | Water is                                 | discharge   | d int                              | O: Main lines.   | <u>Umatilla</u> C   | anning                     | Compa                    | ny Plani              | <u> </u>           | •      |
|             |  |   | <u></u>                            |  |   |                            |                          |                       | <del></del>        | •      |
|             |  |   | _                                  | mp intake by test  |   |                            |                          |                       | <del> </del>       | -      |
| 44.         | Remarks:_                                | <u>Didn't</u> h                                   | ave e                              | nough column on t  | o go beyon  | d_1501                     | G.P.M                    | on tes                | št.                | -      |
|             | Had only                                 | y 90 feet   | of c                               | olumn beyond stat  | ic water ]  | evel of                    | 205_                     | reet.                 | . /->              | -      |
|             | Well rec                                 | overed to   |                                    | ic water level fr  | om 6:18 a.  | m. to                      | 5:23 a                   | m. 8/17               | //51.              |        |
|             |  |   | P 3                                |  |   |                            |                          |                       |                    |        |
|             | Recovery                                 | rate of   | ית בתו כ                           | ULES.  | TANK OT TO A LEC  |                            |                          |                       |                    |        |
|             | Recovery                                 |   | יתבת כ                             | GENERAL INFO   | MATION  |                            |                          |                       |                    |        |
| 45.         |  | rate of   |                                    | ther party who dr  | rilled or o   |                            |                          |                       |                    |        |
| 45.<br>46.  | Name of c                                | rate of ontractor motor wer                       | or o                               | ther party who dr<br>Addres  | rilled or o   | s Aver                     | ue. W                    | al la Wal<br>tland, ( | lla. Was           | hingto |
|             | Name of c                                | rate of ontractor motor wer Addres test was       | or o                               | ther party who dr Addres talled by: Pump,  | rilled or or ses: 115 Ree<br>Pipe, & Po   | s Aver<br>wer Co<br>la Wal | ue, W<br>Por<br>La, Wa   | alla Waltland. (      | lla. Was<br>)regon | hingto |
| 46.         | Name of c                                | ontractor motor wer Addres test was Addre         | or o e ins s: made ss:             | ther party who dr<br>Addres<br>talled by: <u>Pump</u> ,<br>by: A. A. Durand      | rilled or or ses: 115 Ree<br>Pipe, & Po<br>& Son, Wal   | s Aver<br>wer Co.          | ue, W<br>. Por<br>la, Wa | alla Waltland. (      | lla. Was<br>)regon | hingto |
| 46.<br>47.  | Name of c  Pump and  Capacity  General r | rate of ontractor motor wer Addres test was Addre | or o<br>e ins<br>s:<br>made<br>ss: | ther party who dr Addres talled by: Pump,  | rilled or os: 115 Ree<br>Pipe, & Po<br>& Son, Wal   | s Aver<br>ower Co.         | nue, W<br>Por<br>la. Wa  | alla Wattland, (      | lla Was<br>)regon  | hingto |