

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT

DESC 2387

RECEIVED STATE OF OREGON MAY 1 1968 STATE ENGINEER SALEM OREGON

State Well No. 14/13-16 L State Permit No.

(1) OWNER:

Name Terrebonne Domestic Water District Address Terrebonne Ore

(2) TYPE OF WORK (check):

New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary [ ] Driven [ ] Cable [X] Jetted [ ] Dug [ ] Bored [ ]

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [X] Irrigation [ ] Test Well [ ] Other [ ]

(5) CASING INSTALLED:

8" Diam. from -2 ft. to 381 ft. Gage 250

(6) PERFORATIONS:

Type of perforator used Torch Size of perforations 1/4 in. by 15 in. 196 perforations from 239 ft. to 381 ft.

(7) SCREENS:

Well screen installed? [ ] Yes [X] No Manufacturer's Name Type Model No. Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 240 ft. below land surface Date 4-8-68 Artesian pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level Was a pump test made? [ ] Yes [X] No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Barrier test 30 gal./min. with 0 ft. drawdown after hrs. Artesian flow g.p.m. Date Temperature of water 59 Was a chemical analysis made? [ ] Yes [X] No

(10) CONSTRUCTION:

Well seal—Material used Cement-bentonite cutting Drill Depth of seal 40 feet Diameter of well bore to bottom of seal 11 in. Were any loose strata cemented off? [ ] Yes [X] No Depth Was a drive shoe used? [ ] Yes [X] No Did any strata contain unusable water? [ ] Yes [X] No Type of water depth of strata Method of sealing strata off Was well gravel packed? [ ] Yes [X] No Size of gravel: Gravel placed from ft. to ft.

(11) LOCATION OF WELL:

County Deschutes Driller's well number NE 1/4 SW 1/4 Section 16 T.14.5 R.13 E W.M. Bearing and distance from section or subdivision corner Between block 75 and 88 in Terrebonne

(12) WELL LOG:

Diameter of well below casing Depth drilled 381 ft. Depth of completed well 381 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 as drilling proceeds. Note drilling rates.

Table with columns: MATERIAL, From, To, SWL. Rows include: BROWN SANDY SOIL, GREY LAVA (HARD), BROWN SANDSTONE (HARD), HARD TAN ROCK, BROWN SOFT SANDSTONE, GREY SANDSTONE (COURSE), GREY HARD ROCK, GREY HARD SANDSTONE, COURSE SAND + GRAVEL, FINE SAND + GRAVEL (WATER BEARING), GREY HARD ROCK, BROWN HARD SANDSTONE, TAN SOFT SANDSTONE, COURSE BROWN SAND (WATER BEARING), BROWN SANDSTONE.

Work started 3-9 1968 Completed 4-8 1968 Date well drilling machine moved off of well 4-8 1968

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] Dale Crawford Date 4-8 1968

Drilling Machine Operator's License No. 440

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 CRAWFORD WELL DRILLING (Person, firm or corporation) (Type or print) Address Box 17 TERREBONNE ORE [Signed] Dale Crawford (Water Well Contractor) Contractor's License No. 451 Date 4-8 1968

14/13-16 L. *SWKB*

*Jefferson Co. Deschutes Co.*

OREGON STATE BOARD OF HEALTH

**RECEIVED**  
NOV 26 1965

Mineral Content of Water

STATE ENGINEER  
SALEM OREGON

Name of Water Supply Terrebonne  
 Source City Well  
 Sampling Point Well  
 Collected By Bartholomew Date 6-15-65  
 Analysis By A. W. Rose Date 11-12-65  
 Laboratory Number 0952

|  | <u>Mg/L</u> |                         | <u>Mg/L</u> |
|--|-------------|-------------------------|-------------|
| Color                                  | 2           | Conductance (mc mho/cm) | 335         |
| Turbidity                              | 5.5         | Chlorides               | 8.04        |
| Solids, Total                          | 227         | Sodium                  | 29.8        |
| Solids, Volatile                       | 110         | Potassium               | 3.5         |
| Carbon Dioxide                         | 3.0         | Fluoride                | 0.17        |
| pH                                     | 8.0         | Phosphates              | 0.120       |
| Alkalinity, Total as CaCO <sub>3</sub> | 190         | Sulfates                | 13.0        |
| Hardness as CaCO <sub>3</sub>          | 107         | Silicon                 | 40          |
| Calcium                                | 18.7        | Aluminum                | < 0.02      |
| Magnesium                              | 14.6        | Nitrogen, Ammonia       | 0.14        |
| Iron                                   | 0.01        | Nitrogen, Nitrite       | 0.02        |
| Manganese                              | < 0.05      | Nitrogen, Nitrate       | 1.56        |
| Arsenic                                |             |                         |             |

REMARKS \_\_\_\_\_  
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Oregon State Board of Health  
SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

*No well record  
in our files*

Location of source Terrebonne WD Description of source Deep well  
 Analysis by MHP Date 5/23/55 Collected by HMM Date 2/11/55

RESULTS

|  | Parts per million |
|--|-------------------|
| Turbidity                                      | 1                 |
| Color: Apparent                                | 2                 |
| Odor: Hot                                      | Cold              |
| Total Solids                                   | 230               |
| Loss on Ignition                               | 120               |
| Silicon (SiO <sub>2</sub> )                    | 47                |
| Chloride (Cl)                                  | 9.6               |
| Sulfate (SO <sub>4</sub> )                     | 22                |
| Calcium (Ca)                                   | 13                |
| Magnesium (Mg)                                 | 0                 |
| Aluminum (Al)                                  | 0                 |
| Orthophosphates (PO <sub>4</sub> )             | 0.2               |
| Metaphosphates (PO <sub>3</sub> ) <sub>6</sub> |                   |
| Alkalinity (as CaCO <sub>3</sub> ): Carbonate  | 0.                |
| Bicarbonate                                    | 137               |
| Hardness (as CaCO <sub>3</sub> )               | 120               |
| Sodium and Potassium (as Na)                   | 28                |
| Iron (Fe)                                      | .05               |
| Manganese (Mn)                                 | 0                 |
| Fluoride (F)                                   | .1                |
| Carbon Dioxide (CO <sub>2</sub> )              | 4.0               |
| pH   | 7.8               |
| Remarks  | Potassium 2.5     |

306  
 14/13-16  
 Basalt G  
 392 ft Deep  
 302 WL  
 Elev 2800 ft

**RECEIVED**  
 JUN 28 1965  
 STATE ENGINEER  
 SALEM, OREGON