NOTICE TO WATER WELL CONTRACTOR

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

WATE RESOURCES DEPARTMENT, SALEM, OREGON 97310

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

t write above this line)

| 1.9150 | (610) | State Well N | 10. 45/1W-1 | '9 ad |
|------------------------------|-------|--------------|-------------|-------|
| State Permit No. 45/1W-19 ad | MARI. | State Permi | t No9150 | · |

| of well completion. | | | |
|---|--|--|--|
| | (10) LOCATION OF WELL: | umber 800 |)2 |
| (1) OWNER: | County Marion Driller's well n | | W.M. |
| Name Norman Reiling Address Rt. 1. Hubbard, Ore 97032 | SE 14 NE 14 Section 19 T. 4S | R. 1W | |
| Address Rt. 1, Hubbard, Ole 77072 | Bearing and distance from section or subdivis | ion corner | |
| | | | |
| (2) TYPE OF WORK (check): | A P GA A TOTAL TO THE STATE OF | | |
| Reconditioning Abandon | | vell. | |
| Te abandonment, describe material and procedure in Item 12. | (11) WATER LEVEL: Completed v | 50 | ft. |
| | Depth at which water was first found | - Data | 3-20-80 |
| (3) 1222 | Static level 32'5" ft. below land | surface. Date | |
| VRotary Driven □ Domestic □ Industrial □ Municipal □ Cable □ Jetted □ - Junication Twication Tw | Artesian pressure lbs. per squ | are inch. Date | : |
| Cable | | | |
| (5) CASING INSTALLED: Threaded Welded | (12) WELL LOG: Diameter of well | below casing | 172151 |
| | ft. Depth of com | pleted well | 1/2) ft. |
| "Diam. from ft. to ft. Gage | | a and structure | e of materials; |
| "Diam. from See Sheet Attachad Gage | Formation: Describe color, texture, grain size and show thickness and nature of each strain and show thickness and nature of each strain and shows of formation. | tum and aquif | er penetrated, |
| " Diam. from ft. to ft. Gage | and show thickness and nature of each strawith at least one entry for each change of for position of Static Water Level and indicate p | nation. Report rincinal water- | bearing strata. |
| | position of Static Water Level and indicate p | | |
| (6) PERFORATIONS: Perforated? Yes No. | MATERIAL | From | To SWL |
| Type of perforator used torch | See sheet attached | | |
| 3/8 in by 0 in. | Bec Biles | | |
| 192 ft. to ft. to | | | |
| perforations fromft. toft. | | | |
| perforations fromft. toft. | | | |
| | | | |
| (7) SCREENS: Well screen installed? X Yes I No | | | |
| m Magg | | | |
| Manufacturer's Name Roscoe Moss 5/16 wall Std Shutter Model No. 5/16 | | | |
| 12 3/4 OD 1 Set from 119.9" ft, to 129 11ft | 1 | | |
| Diam. Slot size Set from ft. to ft. | | | |
| Diant | | | |
| (8) WELL TESTS: Drawdown is amount water level is lowered below static level | | | |
| Was a pump test made? Yes □ No If yes, by whom? SEI No If yes, by whom? | | | |
| Was a pump test made? Fies 170 ft. drawdown after 9 hrs | WA. | -1 | |
| ": I) Gall, Gall | - 3. LL., ORECON | | |
| " 1220 " (± | | | |
| " 1060 " 62 " 10½ " | | | |
| ft. drawdown after hr | s | | |
| | | onleted 3-2 | 26- 19 |
| vian flow g.p.m. | t. Work started 12-6 19 79 Cor | ipicica . | |
| Depth artesian now checument | Date well drilling machine moved off of v | $_{\rm vell} 3-26-$ | 19 |
| 201 vds of 5 sack | Date wen dramag | | |
| ACTOMOTICATION CUO JAID VI | - A Contillion | diam. | |
| (9) CONSTRUCTION: 20½ yds of 5 sack readimix | Drilling Machine Operator's Certifica | tion: | supervisi |
| Well seal—Material used 185 | Drilling Machine Operator's Certifica | tion: | supervision supervision in the supervision is supervised as the su |
| Well seal—Material used 182 Well sealed from land surface to 32 | Drilling Machine Operator's Certifica This well was constructed under Materials used and information repo | tion: my direct rted above a | _ 0 |
| Well seal—Material used 182 Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 in. | This well was constructed under Materials used and information repobest knowledge and belief. | tion: my direct above a 4. | - 9, ₁₉ _ |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal in. | This well was constructed under Materials used and information repo best knowledge and belief. [Signed] (Drilling Machine Operator) | tion: my direct orted above a pate | - 9, ₁₉ _ |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal 102 sac | This well was constructed under Materials used and information repo best knowledge and belief. [Signed] (Drilling Machine Operator) | tion: my direct orted above a pate | - 9, ₁₉ |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal 32 Number of sacks of cement used in well seal 102 See attached Dept | This well was constructed under Materials used and information reports the Materials used and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License | tion: my direct orted above a pate | - 9, ₁₉ . |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept Of Water Resources letter regarding | This well was constructed under Materials used and information report best knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification | my direct orted above a Date No. 10 | -9 , 19. 85 |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal 102 sac | This well was constructed under Materials used and information repobest knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification | tion: my direct above a price | -9, ₁₉ |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 in. Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept of Water Resources letter regarding special standard | This well was constructed under Materials used and information report to the Materials used and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification This well was drilled under my just the best of my knowledge ar | tion: my direct red above a part with the pa | -9, ₁₉ |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 in. Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept of Water Resources letter regarding special standard | This well was constructed under Materials used and information report best knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification This well was drilled under my just true to the best of my knowledge ar Schneider Equipment of the second of the | my direct orted above a Date No. 10 curisdiction and belief. | -9 , 19 85 |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 in. Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept of Water Resources letter regarding special standard | This well was constructed under Materials used and information report best knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification This well was drilled under my just true to the best of my knowledge are Schneider Equipment of the contractor of the contra | my direct orted above a Date No. 10 curisdiction and belief. | -9 , 19 85 nd this repor |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept of Water Resources letter regarding special standard Was a drive shoe used? Yes No Plugs Size: location Did any strata contain unusable water? Yes No | This well was constructed under Materials used and information report best knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification This well was drilled under my it true to the best of my knowledge are Schneider Equip | my direct orted above a Date No. 10 curisdiction and belief. | nd this report |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept Of Water Resources letter regarding Special standard Was a drive shoe used? Yes No Plugs Size: location Did any strata contain unusable water? Yes No depth of strata | This well was constructed under Materials used and information repobest knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification This well was drilled under my it true to the best of my knowledge are Schneider Equipment of the Contractor of the Schneider Equipment | ny direct above a Date No. 10: urisdiction and belief. ment, In | nd this report |
| Well seal—Material used 185 Well sealed from land surface to 32 in. Diameter of well bore to bottom of seal 32 in. Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept of Water Resources letter regarding special standard Was a drive shoe used? Yes No Plugs Size: location Did any strata contain unusable water? Yes No Type of water? depth of strata Method of sealing strata off | This well was constructed under Materials used and information report best knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification This well was drilled under my intrue to the best of my knowledge at Schneider Equipment of the Contractor of the Schneider Equipment | my direct orted above a land belief. ment, In E, St. F | nd this report |
| Well seal—Material used 18½ Well sealed from land surface to 32 Diameter of well bore to bottom of seal 32 Diameter of well bore below seal 102 Number of sacks of cement used in well seal 102 How was cement grout placed? See attached Dept Of Water Resources letter regarding special standard Was a drive shoe used? Yes No Plugs Size: location Did any strata contain unusable water? Yes No depth of strata | This well was constructed under Materials used and information repobest knowledge and belief. [Signed] (Drilling Machine Operator) Drilling Machine Operator's License Water Well Contractor's Certification This well was drilled under my it true to the best of my knowledge are Schneider Equipment of the Contractor of the Schneider Equipment | my direct orted above a land belief. ment, In E, St. F | 9, 19 85 nd this report |

| | 7a . | | - | 8,002 |
|--------------|--------|--|--------------------------|--|
| | Mater | lal | | |
| | Top so | oil, brown | From | m To |
| | Clay, | brown | 0 | 2 |
| | Clay, | gray | 2 | 2] |
| | Clay, | blue gray | 21 | 30 |
| | Clay. | brown | 30 | 44 |
| | Grave: | & sand, cemented, brown, rusty | 44 | - 50 |
| | Sand. | brown, fine, medium | 50 | 56 |
| | Clav. | brown | 56 | 61 |
| | Sand | brown, medium coarse | 61 | $6\overline{4}$ |
| | Sand a | brown, medium coarse | 64 | 68 |
| | Sond | gravel cemented, brown, rusty | 68 | -70 |
| | Clar. | brown, medium coarse | 70 | 72 |
| | Chara. | brown, | 72 | 74 |
| • | Grave. | l & sand cemented, brown | 74 | 76 |
| | Sana, | brown, fine-medium | 76 | 79 |
| | Grave. | l up to 2" and sand, cemented, brown, rusty | 79 | 83 |
| | oray, | DIOMI | 83 | 89 |
| | Clay, | light gray | 89 | 92 |
| | Clay, | brown | - 92 | 98 - |
| | Sand, | brown, fine cemented | 98 | 101 |
| | Sand, | brown, fine | 101 | 107 |
| | | | 107 | ījo |
| | Clay, | blue gray | 110 | 117 |
| | Clay, | green hard flakey black fine medium | 117 | 125 |
| | Sand, | black fine medium | 117 125 | 131 |
| | Grave: | l & sand, medium-coarse | 131 | $14\overline{2}$ |
| | Cally. | dark green, fine, sandy | 142 | 150 |
| | Clay. | dark green. medium sandy | 150 | 152 |
| | Clay. | dark green, medium sandy dark green | 152 | 159 |
| | Clay. | dark green dark gray, fine sandy black fine with some clay, gray fine sandy dark green, fine sandy | 159 | 161 |
| 12 | Sand. | black fine with some clay, gray fine sandy | 159 161 | 167 |
| 2 | Clav. | dark green, fine sandy | 167 | 177 |
| | | blue green | 177 | 189 |
| | Clay. | dark gray | 189 | 192 |
| | Clav. | dark gray gray and blue streaks | 192 | 215 |
| 1 | Clay. | blue-green, flakey | 215 | 238 |
| \$ | Clav. | blue | -238 | 253 |
| | Clav | blue gray, soft | 215 238 253 263 | 263 |
| | Clay | blue gray, soft blue, flakey green, soft | 263 | 205 265 |
| | Clay | man coft | 265 | 573 |
| | Clay, | green, soft gray, medium soft gray, soft | 223 | 303 |
| ŧ. | Olay, | gray, soft | 303 | 317 |
| ران. معرو | Cray, | gray, soft gray, hard gray, soft blue, medium blue-gray blue-green, sticky | 317 | 319 |
| | Snare | gray, naru | 317 318 | 342 |
| | CLay, | gray, soit | 3/12 | 346 |
| | CTay, | blue-gray blue-green, sticky | 342 346 | 361 |
| | Clay, | blue-gray | 361 | 368 |
| | Clay, | blue-green, Sticky | 701 | 368 371 |
| | Clay, | gray with brown streaks, sticky gray, hard | 368 | 372 |
| | Clay, | gray, nard | 371 | 377 |
| | CIRY | , Diue | 372 | |
| | Clay | gray | 377 | 379 |
| | Clay | , 'blue' | # <i>3</i> 79 | 388 |
| | Clay | blue, dark blue-green, dry, soft | 388 | 395 |
| | Δ1 = | The state of the s | 395 | 416 |
| | Стау | , gray, soit, dry | 273 | The second secon |
| | стаў | , dark gray, soft | 416 | 427 |
| | Clay | , dark brown, medium, soft | 427 | 433 |
| | | CHECON CHECON | , ē | |
| | | • | | • |

| (5) | Casing In | stall | ed : | | | |
|-----|-----------|-------|---------|----------|-------------------------------|------------------|
| 12" | Diameter | from | +2'2" | to 92'3" | | . 330 |
| 12" | Diameter | from | 92 ' 3" | 109'9" | وبالأوال اليكار المخطية أولأك | .375 |
| 12" | Diameter | from | 109'9" | 119 9" | Gage | 7.00 |
| 12" | Diameter | from | 159'11" | 181' | Gage. | A. P. L. Lindson |
| 6" | Diameter | from | +1'1" | 21'4" | Gage. | 250 |

DECEIVED FF-11080



Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-8455

May 24, 1978

Milo Schneider Schneider Equipment, Inc. 21881 River Road N.E. 21881 River Road N.E. St. Paul, Oregon 97137

Dear Mr. Schneider:

Please accept my apologies for the delay in responding to your recent letter requesting special standards for the use of concrete instead _of cement grout as a sealing material in large diameter wells that provide excessive space between the drill hole wall and the outside casing of the well. You are hereby granted special permission to use concrete instead of neat cement with the following provisions and conditions:

- Concrete shall consist of clean, hard, endurable aggregate, and not less than five sacks of Portland cement per cubic yard of concrete. Maximum diameter of the aggregate shall not exceed 3/4 of an inch in diameter.
- If the well bore hole to be sealed is not dry, concrete shall be 2) If the well bore hole to be sealed is not any, in one continuous pumped from the bottom of the seal zone upward in one continuous operation to land surface.
- In the event that the well bore annular space to be sealed is dry, concrete shall be placed through a tremie pipe to prevent segregation of the aggregate and cement mixture and to prevent bridging.
- 4) The space between the sealing surfaces of all casings and between all casings and the bore hole shall exceed 3-inches or more.

Special standards to construct a well as described above shall be A THE SELECTION OF THE PARTY OF considered to apply to all wells constructed in such a manner. Please refer to these special standards on the well reports of all well constructed in this manner.

Sincerely,

WILLIAM B. MCCALL Hydrogeologist

WBM:clh Clifton R. King, Watermaster, District #16