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STATE OF OREGON WATER SUPPLY WELL REPORT Amended Well Log WELL ID # 22928 JAN 12 1999 (as required by ORS 537.765) Instructions for completing this report are on the last page of this form (START CARD) # 113153 WATER RESOURCES DEPT. (1) OWNER: (9) LOCATION OF WELL by legal description: Well Number: 22928 **CARPENTER RANCH LLC** County **HARNEY** Latitude Address 1930 LEWIS STREET S.E. Longitude Township **25/S** N or S. Range 31/E E or W. of WM. City SALEM, Section 29 State OR Zip 97302 SE SE Tax lot 6200 Lot Block (2) TYPE OF WORK: Subdivision Street Address of Well (or nearest address) 198 WEAVER SPRINGS X New Well Deepening Alteration (repair/recondition) RD., BURNS, OREGON 97720 Abandonment (3) DRILL METHOD: (10) STATIC WATER LEVEL: X Rotary Air ft. below land surface. Rotary Mud Date 8/19/98 Cable Auger Artesian pressure Other lb. per square inch. Date (11) WATER BEARING ZONES: (4) PROPOSED USE: Depth at which water was first found 72 Domestic Community Industrial X Irrigation Thermal Injection Livestock Other From **Estimated Flow Rate** (5) BORE HOLE CONSTRUCTION: SWL 134 141 15 72 176 Special Construction approval Yes X No 185 500 Depth of Completed Well 325 72 275 Explosives used Yes X No 306 500+ Amount 72 HOLE SEAL Amount Diameter From Material (12) WELL LOG: From sacks or pounds 17 1/2 19 BENTONITE 0 0 50 30 SACKS Ground elevation 14 1/2 19 305 CEMENT 50 176 51 sacks 12 155 176 CEMENT Material From То SILT BROWN FINE SWL 8 305 325 n SAND BROWN COARSE 3 14 SANDSTONE BROWN 14 How was seal placed: Method A B SANDSTONE BROWN W/ROCK BLK 18 C 18 33 SANDSTONE GREEN & GRAY X Other CASING PLACED INTO CEMENT 33 50 Backfill placed from 50 CLAYSTONE BROWN SILTY ft. to 80 Material BENTONITE ft. 50 62 Gravel placed from 300 CLAYSTONE BLUE W/ROCK ft. to 325 ft. Size of gravel 1 1/2" 62 74 BASALT GREY MED. HARD (6) CASING/LINER: 74 76 BASALT GREY W/CLAYSTONE SEAMS 87 97 BASLAT GREY W/CLAYSTONE INTERBED Diameter To Gauge Steel Plastic Welded 97 Threaded 110 BASALT GREY MED. TO SOFT Casing: 155 250 110 117 BASALT WITH CLAYSTONE GREY 117 119 BASALT MED TO SOFT FRX 119 121 BASALT SOFT MULTI-COLORED 121 SANDSTONE BROWN FRX. LT. CAVEY 134 134 141 72 SANDSTONE BROWN W/SOME GREEN 141 143 Final location of shoe(s) 155 FT CLAYSTONE LT. BROWN WEATHERED 143 150 BASALT WITH CLAYSTONE BLUE (7) PERFORATIONS/SCREENS: 150 159 CLAYSTONE BLUE SOFT 159 161 BASALT WITH CLAY BLUE Perforations Method 161 163 BASALT WITH CLAYSTONE Screens Material 163 170 **CLAY & CLAYSTONE GREEN** Slot 170 176 SANDSTONE WHITE WITH WOOD HARD Tele/pipe From To Number Diameter size Casing 176 Liner 178 72 WOOD PETRIFIED 178 180 Continued on next page Date started 8/10/98 Completed 8/19/98 (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment (8) WELL TESTS: Minimum testing time is 1 hour of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and Pump Bailer X Air Flowing Artesian belief. Yield gal/min **WWC Number** Drill stem at Time Signed 300 305 1 hr. (bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work Temperature of Water 52 Depth Artesian Flow found performed during this time is in compliance with Oregon water supply well Was a water analysis done? Yes By whom construction standards. This report is true to the best of my knowledge and belie Did any strata contain water not suitable for intended use? Mack Drilling Compnany, Salty Muddy Odor Colored En AWC Number Depth of strata:

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STATE OF OREGON WATER SUPPLY WELL REPORT

JAN 12 1999

WELL ID # 22928

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(as required by ORS 537.765) (START CARD) # 113153 Instructions for completing this report are on the last page of this formWATER RESOURCES DEPT Page 2 SALEM (9) ECCATION OF WELL by legal description: (1) OWNER: Well Number: 22928 County HARNEY **CARPENTER RANCH LLC** Latitude Longitude Township 25/S N or S. Range Address 1930 LEWIS STREET S.E. 31/E E or W. of WM. Section 29 SE SALEM, State OR Zip 97302 Tax lot Lot Block Subdivision 6200 (2) TYPE OF WORK: Street Address of Well (or nearest address) 198 WEAVER SPRINGS New Well Deepening RD., BURNS, OREGON 97720 Alteration (repair/recondition) Abandonment (10) STATIC WATER LEVEL: (3) DRILL METHOD: ft. below land surface. Date Rotary Air Rotary Mud Cable Auger Artesian pressure lb. per square inch. Date Other (11) WATER BEARING ZONES: (4) PROPOSED USE: Depth at which water was first found Domestic Community Industrial Irrigation Thermal Injection Livestock Other From **Estimated Flow Rate** SWL (5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well Explosives used Yes No HOLE SEAL Amount (12) WELL LOG: Diameter From From To sacks or pounds Ground elevation Material To SWL CLAYSTONE PURPLE MULTI. W/SEAMS 180 185 CLAYSTONE BLK HARD W/SEAMS 185 195 CLAYSTONE GREEN SOFT 195 205 CLAYSTONE & CLAY GREEN & BROWN 205 215 How was seal placed: Method Method C **CLAYSTONE BROWN & GREY** 215 218 Other CLAYSTONE BLK. & BROWN HARD 218 222 Backfill placed from Material SILTSTONE GREY W/SEAMS 222 225 Gravel placed from ft. to Size of gravel CLAYSTONE GREY HARD W.BASALT 225 230 CLAYSTONE BLK. & BRN. SOME SOFT (6) CASING/LINER: 230 240 SILTSTONE BROWN MED. HARD 240 Diameter 245 From To Gauge Steel Plastic Welded Threaded CLAYSTONE GREEN TO BROWN TO BLK 245 265 Casing: CLAYSTONE BLK. HARD 265 270 72 CLAYSTONE TAN SOFT TO MED 270 275 BASALT BLK. W/SOME VESICULAR 275 280 72 BASALT BLK. W.CLAYSTONE SEAMS. 280 282 72 CLAYSTONE BLK. 282 289 72 CLAYSTONE BRN. RUSTY W/SEAMS 289 300 Final location of shoe(s) 72 BASALT BLK. SOME WEATHERED 300 306 72 (7) PERFORATIONS/SCREENS: DIORITE BLK GREEN & WHITE HARD 306 325 Method Screens Туре Material Slot Tele/pipe From To Number Diameter Casino Liner Date started 8/10/98 Completed 8/19/98 (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. (8) WELL TESTS: Minimum testing time is 1 hour Materials used and information reported above are true to my best knowledge and Pump Bailer Air Flowing Artesian WWC Number Yield gal/min Drawdown Signed (bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work Temperature of Water Depth Artesian Flow found performed during this time is in compliance with Oregon water supply well Was a water analysis done? Yes By whom construction standards. This report is true to the best of ply knowledge and belief Did any strata contain water not suitable for intended use? WWC Number Salty Muddy Odor Colored Depth of strata:

Inc

Harn 50340 STATE OF OREGON
WATER SUPPLY WELL REPORT

SEP 1 7 1998

WELL ID# 22928

| /CTADT | CARD)# | 113153 |
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| | CARINE | |

| (as required by O | RS 537.765) ompleting this repo | rt are on the last i | page of t | his NAMETER | RESO | URCES DEPI. | (STAR | I CARD | ') * | | |
|---|---|---|-----------|------------------|--------|--|--------------------------------------|--------------|-------------------|----------------|--|
| (1) OWNER: | Authorn and and a special | Well Nur | nber: | 22928 | ALEM, | (9) LOCATION OF WE | LL by legal des | criptio | n: | | |
| CARRENTED BANCH LLC | | | | | | (9) LOCATION OF WELL by legal description: County HARNEY Latitude Longitude Solve (1884) | | | | | |
| 1930 I FWIS STREET S.E. | | | | | | Township 25/S Nors. Range 31/E EorW. of WM. Section 28 NW 1/2 NW 1/2 | | | | | |
| City SALEM, State OR Zip 97302 | | | | | | Tax Lot 6000 Lot | Block | | | /ision | - |
| (2) TYPE OF W | | | | | | Street Address of Well (o 198 WEAVER SPR | r nearest address) INGS RD., BURN | VS, OR | EGON | 9772 | 0 |
| lieW well | Deepening A | teration (repair/rec | ondition) | Abando | nment | (10) STATIC WATER | | | | | |
| (3) DRILL MET | HOD: | | _ | _ | | 72 ft. below | r land surface. | | | ate <u>8/1</u> | 9/98 |
| X Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger | | | | | | Artesian pressure | | quare inc | on. D | ate | |
| Other | | | | | | (11) WATER BEARIN | | | | | |
| (4) PROPOSEI | | Industrial | F | K Irrigation | | Depth at which water was | first found <u>/2</u> | | | | |
| ☐ Domestic ☐ Thermal | ☐ Community ☐ Injection | Livestock | Ĺ | Other | | From | To Estimate | | | | SWL |
| | E CONSTRUC | TION | | | | | | 15 500 | | | 72 72 |
| | on approval Yes | | Complet | ed Well 32 | 5_ ft. | | | 500+ | | | 72 |
| Explosives used | Yes X No Tyr | · | _ Amo | unt | | | | | | | |
| HOLE SEAL Amount (12) WELL LOG: | | | | | | | | | | | |
| Diameter From 17 1/2 0 | 19 BENTON | NITE 0 | 50 | 30 SACK | | | Ground ele | vetion | | | |
| 14 1/2 19 12 155 | 305 CEMEN 176 CEMEN | | 176 | 51 sacks | | | terial | | From | То | SWL |
| 12 155 8 305 | | <u>' </u> | | | | SILT BROWN FINE SAND BROWN COA | RSE | | 3 | 3 14 | |
| | | | | | | SANDSTONE BROW | N | | 14 | 18 | |
| How was seal place | ed: Method | Пв Пс [| | E | | SANDSTONE BROW SANDSTONE GREEK | | | <u>18</u> 33 | 33 50 | - |
| X Other CASIN | G PLACED INT | O CEMENT | _ | | | CLAYSTONE BROW | | | 50 | 62 | 1 |
| Backfill placed from | n <u>50</u> ft. to <u>80</u> n <u>300</u> ft. to <u>32</u> | ft. Material 5 ft. Size of | gravel _ | TONITE 1 1/2" | | CLAYSTONE BLUE | | | 62 | 74 | I |
| Gravel placed from | | 11. 325 G | graver _ | | | BASALT GREY MED BASALT GREY W/CI | | MS | 74 87 | 76 97 | + |
| (6) CASING/LI | | | M41- 1 | natural Th | | BASLAT GREY W/CI | AYSTONE INTE | | 97 | 110 | 1 |
| Diameter Casing: 12" | r From To +2 155 .: | | Plastic 1 | Welded Th | readed | BASALT GREY MED BASALT WITH CLAY | | | <u>110</u> 117 | 117 | - |
| Casing | | | ₫ | ፱ | П | BASALT MED TO SO | | | 119 | 121 | |
| | | | | H | | BASALT SOFT MUL | | ie.v | 121 134 | 134 | 72 |
| Liner: | | | | | | SANDSTONE BROW | | | 141 | 143 | 12 |
| | 1 155 ET | | | | | CLAYSTONE LT. BR | | RED | 143 | 150 | |
| Final location of sh | | | | | | BASALT WITH CLAY | | | 150 159 | 159 161 | + |
| (7) PERFORA | TIONS/SCREE! | NS: | | | | BASALT WITH CLAY | | | 161 | 183 | |
| Perforation Screens | ns Method _ Type _ | | | BASALT WITH CLAY | | | 163 170 | 170 176 | | | |
| | Slot | Tele | _ | | | CLAY & CLAYSTON SANDSTONE WHITE | | ARD | 176 | 178 | 72 |
| From To | size Number | Diameter ski | ze (| | iner. | WOOD PETRIFIED | | | 178 | 180 | 72 |
| | | | | | | Continued on next p Date started 8/10/98 | Comp | leted 8 | /19/98 | <u> </u> | |
| | | | | R | | (unbonded) Water Well | | | • | | |
| | | | | Б | ᆸ | I certify that the work I perf | ormed on the construc | ction, alte | eration, o | | |
| (8) WELL TES | TS: Minimum t | esting time is | 1 hour | | | of this well is in compliance Meterials used and informat | | | | | |
| Pump | ☐ Baller | X Air | [| - rlowing | | belief. | on reported above are | i ii ue io i | ny Desi | KIIOMBU | /o anu |
| | | _ | | Artesian | | signed for mill | • | | | ber <u>/ 4</u> | |
| Yield gal/min | Drawdown | Drill stem at | - 14 h. | Time | | Signed Von Ma | | Dat | | -31-9 | 18 |
| 300 | | 305 | 1 hi | · | | (bonded) Water Well Co | enstructor Certifica | tion: | | | • |
| | | | | | | I accept responsibility for t | he construction, alter | ation, or | | | |
| performed on this well during the construction dates reported above. All work Temperature of Water 52 Depth Artesian Flow found performed during this tigue is in compilance with Oregon water supply well | | | | | | | | | | ork . | |
| Temperature of Water 52 Depth Artesian Flow found performed during this time is in compilance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief. | | | | | | | | | | | |
| Did any strata cont | ain water not suitabl | Signal D | Ulal | WV Dat | _ | ber 13 | 94 96 | | | | |
| Salty Muddy Odor Colored Other /34-14/ Signed Mack Drilling (Mack Drilling) | | | | | | | | | • <u> </u> | | <u> </u> |
| | ST COPY - WAT | ER RESOURCE | S DEPA | RTMENT | SEC | OND COPY - CONSTRUC | | | CUSTO | MER | |

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| | | | | | itur i | ` | | | | | | | |
|--|--------------------------|----------------|-----------------|-----------------------|-------------------------|--------------|-----------------|---|------------------------------------|--------------|-------------|---------------------------------------|--|
| STAT | TE O | F ORE | GON | Ė | 034 | 0 | CED ' | 1 7 1998 | WELL I | D# | | | |
| | | | | ORT | 0/- | • | SEF. | I (1550 | | | 4 | 49489 | |
| ATER SUPPLY WELL REPORT (as required by ORS 537.765) Instructions for completing this report are on the last page of this fold TER RES | | | | AUDOTO DEDT | OT (START CARD)# 113153 | | | | | | | | |
| instructions i | for co | mpletir | ng this repo | ort are on the k | ast page | of this form | | OUNCES DEFI. | | | ۲ | age 2 | |
| (1) OWNE | | | | | Number | | OMLEN | (9) LOCATION OF W | ELL by legal desc | criptio | n: | | |
| | | :AITEE | DANCE | | | | | County | Lati | ltude _ | L | ongitude. | , |
| | Name CARPENTER RANCH LLC | | | | | | Township 25/8 | | | | | ₩. | |
| Address City | | | | Sta | te | Zip | | Section <u>28</u> | % | | | <u> ¼</u> | |
| | | | | | | | | | Block | | Subdh | vision | |
| (2) TYPE (| OF W | ORK: | ; | | | | | Street Address of Well (| or nearest accress) | | | | |
| New Well | | Deepen | ing 🔲 A | iteration (repair | recondit | ion) 🗌 Aban | donment | | | | | | |
| (3) DRILL | MET | HOD. | | | | | | (10) STATIC WATER LEVEL: | | | | | |
| <u>'-</u> ' | | _ | | Ma-11- | | □ A | | ft. below land surface. Date Artesian pressure ib. per square inch. Date | | | | | |
| Rotary Air | | ∐ Ro | tary Mud | Cable | | Auger | | Artesian pressure | IV. Per ec | IOEI O III O | ii. D | 8(6 | |
| Other | | | | | | | | (11) WATER BEARIN | IG ZONES: | | | | |
| (4) PROPO | DSEC |) USE | : | | | | | Depth at which water wa | s first found | | | | |
| Domestic | | □ Co | mmunity | industria | | irrigation | 1 | | | | | | |
| Thermal | | inje | otion | Livestoci | | Other _ | | From | ·To | Estima | ted Flo | w Rate | SWL |
| (5) BORE 1 | HOL | | | TION | | | | | | | | | - |
| • • | | | | | | | _ | | | | | | |
| Special Const | truotio | u abbto | val Yes | No Dep | | | π. | | | | | | + |
| Explosives us | | Yes [| _ No Ty | SEAL | | Amo | unt | | | | | | |
| HOLI Diameter Fr | _ | To | Mater | | om T | 1 | | (12) WELL LOG: | | | | | |
| Diameter | | | 1710.011 | 1 | | | p •••••• | | Ground elev | ation | | | |
| | \neg | | | | | | | | _4_4_1 | | | | 7 |
| | | | | | | | | CLAYSTONE PURP | <u>eterial</u> E Muli Ti. WiseA | MS - | From 180 | 185 | 72 |
| | | | | | | | | CLAYSTONE BLK H | | | 185 | 195 | 1/2 |
| | | | | | | | | CLAYSTONE GREE | | | 195 | 205 | |
| | | | | | | | | CLAYSTONE & CLA | Y GREEN & BRO | WN 2 | 205 | 215 | |
| How was seal placed: Method A B C D E | | | | CLAYSTONE BROW | N & GREY | 1 | 215 | 218 | | | | | |
| Other | 4 6 | | A 4- | ft. Mate | -dal | | | CLAYSTONE BLK. 8 | | _ | 218 | 222 | |
| Backfill placed Gravel placed | | | n. to ft. to | II. WARKI | of grave | 4 | | SILTSTONE GREY V | | | <u> 222</u> | 225 | 1 |
| Gravel placed | a trom | | | 3120 | OI GILLYO | | | CLAYSTONE GREY | | | 225 | 230 | |
| (6) CASING | G/LIN | NER: | | | | | | CLAYSTONE BLK. 8 | | | 230 | 240 | |
| Diar | meter | Fron | n To | Gauge Steel | Plasti | c Welded T | Threaded | SILTSTONE BROWN | | | 240 | 245 265 | - |
| Casing: | | | | | | | | CLAYSTONE BLK. | | | 265 | 270 | 72 |
| | | | | | | | | CLAYSTONE TAN S | | | | 275 | |
| | | | | | | | | BASALT BLK. W/SO | | | 275 | 280 | 72 |
| | | | | | | | | BASALT BLK. W.CL | | | | 282 | 72 |
| Liner: | | - | | —— <u> </u> | 닏 | | 片 | CLAYSTONE BLK. | | | 282 | 289 | 72 |
| | | 4. | | | | Ш | | CLAYSTONE BRN. F | | | 289 | 300 | 72 |
| Final location | of sho | (8) | - | | | | | BASALT BLK. SOM | | | 300 | 306 | 72 |
| (7) PERFO | RAT | IONS | SCREE! | IS: | | | | DIORITE BLK GREE | N & WHITE HARD |) 3 | 306 | 325 | |
| ` ' | ration | | Method _ | | | | | | | | | | <u> </u> |
| ☐ Scree | | - | Type _ | | Materia | ul | | | | | | <u> </u> | |
| L. 40.01 | | Slot | | т | ele/pipe | | | | | - | | | |
| From To | 0 | size | Number | Diameter | size | Casing | Liner | | | | | | |
| | \perp | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| | | | | | | | | Date started | Comple | eted . | | <u> </u> | 4 |
| | \dashv | | | | | | Н | | | | | | |
| | | | | | | | | (unbonded) Water Well | | | -Al | | |
| | | | | | | <u> </u> | | I certify that the work I peri of this well is in compliance | | | | | |
| (8) WELL 1 | TEST | S: Mi | inimum t | esting time | is 1 ho | our | | Materials used and informat | | | | | |
| Pump | | □в | | □Air | | | | belief. | reported grove 419 (| se to in | , rest K | · · · · · · · · · · · · · · · · · · · | e wild |
| | | ٠,٠ | | U." | | ☐ Artesian | | · . | | ww | C Numb | oer <i>145</i> | 4 |
| Yield gal/min | | Dnav | vdown | Drill stem | at | Time | | Signed | | | | 131-9 | |
| | I | | | | Т | | | <u> </u> | | _ | | | |
| | \dashv | | | | | | | (handed Water Wall Co | material Continue | lon | | | |
| | - | | | | | | | (bonded) Water Well Co I accept responsibility for t | | | handos | mari | urle . |
| | | | | | 1 | | | performed on this well during | | | | | |

Depth Artesian Flow found

Temperature of Water_

Depth of strata:

Was a water analysis done? Yes By whom Did any strata contain water not suitable for intended use?

Salty Muddy Odor Colored Other_

inde. This report is true to the best of my knowledge and belief.

WWC Number 1394

Date 9/3//95

performed during this limit is in compliance with Oregon water supply well

Mack Drilling Company, Inc.