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.

RECEIVED
OCT 20 1969
STATE ENGINEER
SALEM, OREGON

# WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

UMAT 378

State Well No. 1N/34-16a

State Permit No. G 5029

## (1) OWNER:
Name Oregon State Highway Dept.
Address P.O. Box 850, La Grande, Oregon 97850

## (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 [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

## (4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [X]

## (5) CASING INSTALLED:
Threaded [ ] Welded [X]
8" Diam. from surface ft. to 69 ft. Gage 0.25"
6" Diam. from surface ft. to 664 ft. Gage 0.25"
" Diam. from ft. to ft. Gage

## (6) PERFORATIONS:
Perforated? [X] Yes [ ] No.
Type of perforator used Mills Knife
Size of perforations 3/8 in. by 4 in.
45 perforations from 288 ft. to 303 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

## (7) SCREENS:
Well screen installed? [X] Yes [ ] No
Manufacturer's Name Johnson
Type 304-Stainless steel Model No. telescoping
Diam. 6" Slot size #10 Set from 663 ft. to 673 ft.
Diam. 6" Slot size #20 Set from 673 ft. to 688 ft.

## (8) WATER LEVEL: Completed well.
Static level 216 ft. below land surface Date 9/30/69
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? [X] Yes [ ] No If yes, by whom? Strasser
Yield: 22 gal./min. with 365 ft. drawdown after 11 hrs.
" " " "
" " " "
Bailer test s inaccurate gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? [ ] Yes [X] No

## (10) CONSTRUCTION:
Well seal—Material used neat cement grout
Depth of seal 69 feet to surface ft.
Diameter of well bore to bottom of seal 10 in.
Were any loose strata cemented off? [X] Yes [ ] No Depth see above
Was a drive shoe used? [X] Yes [ ] 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 [ ] No Size of gravel:
Gravel placed from ft. to ft.

## (11) LOCATION OF WELL:
County Umatilla Driller's well number 4437
NE ¼ NW ¼ Section 1 T. 1N R. 34E W.M.
Bearing and distance from section or subdivision corner

## (12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 695 ft. Depth of completed well 690 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.

| MATERIAL | From | To | SWL |
|---|---|---|---|
| Loose strata cemented off as shown below | | | |
| 146 ft. to 267 ft. - | 45 sacks | cement | |
| 580 ft. to 600 ft. | 21 | | |
| 590 ft. to 628 ft. | 22 sacks | cement | |
| 610 ft. to 640 ft. | 22 sacks | cement | |
| See attached sheet for formation log | | | |
| NOTE: Screen fitted at top with 4 feet of 5 9/16" O.D. x 5" I.D. riser pipe and lead packer swaged. Screen fitted at bottom with 2 ft. of 5 9/16" O.D. x 5" I.D. tail pipe and bail bottom | | | |

Work started July 14 1969 Completed Oct. 1 1969
Date well drilling machine moved off of well Oct. 1 1969

**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] Edward R. Schmick (Drilling Machine Operator) Date OCT 13, 1969

Drilling Machine Operator's License No. 564

**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 R. J. Strasser Drilling Co. (Person, firm or corporation) (Type or print)

Address 8110 SE Sunset Lane, Portland, Oreg

[Signed] Robert L. Strasser (Water Well Contractor)

Contractor's License No. 10 Date Oct. 16 69

(USE ADDITIONAL SHEETS IF NECESSARY)

# LOG OF FORMATIONS

## DEADMANS PASS - - - - - WELL #2

| FROM | TO | FORMATION |
|---|---|---|
| Surface | 1 | Brown topsoil |
| 1 | 16 | Broken grey basalt |
| 16 | 26 | Brown cinders |
| 26 | 62 | Broken grey basalt |
| 62 | 146 | Medium hard grey basalt |
| 146 | 154 | Broken grey basalt |
| 154 | 180 | Medium hard grey basalt |
| 180 | 196 | Lava Flow |
| 196 | 204 | Medium hard grey basalt |
| 204 | 222 | Broken basalt with sandy clay seams |
| 222 | 234 | Broken grey basalt |
| 234 | 252 | Lava flow with some water |
| 252 | 267 | Broken grey basalt |
| 267 | 280 | Medium hard grey basalt |
| 280 | 288 | Broken grey basalt |
| 288 | 304 | Lava flow with 10 gpm water |
| 304 | 318 | Broken grey basalt |
| 318 | 368 | Medium hard grey basalt |
| 368 | 376 | Broken cinders |
| 376 | 397 | Broken grey basalt |
| 397 | 418 | Medium hard grey basalt |
| 418 | 424 | Brown cinders |
| 424 | 478 | Hard grey basalt |
| 478 | 490 | Lava flow |
| 490 | 500 | Broken grey basalt |
| 500 | 508 | Medium hard grey basalt |
| 508 | 528 | Broken grey basalt |
| 528 | 532 | Broken basalt with soapstone |
| 532 | 560 | Broken grey basalt |
| 560 | 568 | Lava flow |
| 568 | 584 | Broken grey basalt |
| 584 | 592 | Sandy clay loam |
| 592 | 618 | Broken ~~basalt~~ gravel and sand |
| 618 | 628 | Brown sand |
| 628 | 640 | Broken loose ~~basalt~~ gravels and sand |
| 640 | 680 | Brown sand |
| 680 | 695 | Broken loose ~~basalt~~ gravels and sand |
| 695 | | Basalt rock |

sand & gravel interbeds