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RECEIVED

JAN 10 1991

WATER RESOURCES DEPT  
SALEM, OREGON

STATE OF OREGON  
WATER RESOURCES DEPARTMENT

REQUEST FOR WRITTEN APPROVAL TO USE CONSTRUCTION METHODS NOT  
INCLUDED IN THE RULES AND REGULATIONS PRESCRIBING GENERAL STANDARDS  
FOR THE CONSTRUCTION AND MAINTENANCE OF WELLS IN OREGON

Before approval can be considered the following questions must be answered.

Requests shall be submitted to the Watermaster Division, 3850 Portland Road,  
NE, Salem, OR 97310.

Date: 11/21/90

Well Constructor: Patricia Wallace # 1218

(1) Location of Well: SE 1/4 NW 1/4 of Section 24,  
Township 4N, Range 28E, Umatilla County.

Address at well site or nearest known address: 2 mi South  
of Hermiston 395

(2) Name and address of Landowner: City of Hermiston

(3) The distance to the nearest well and septic drainfield: 100' NE  
of Well

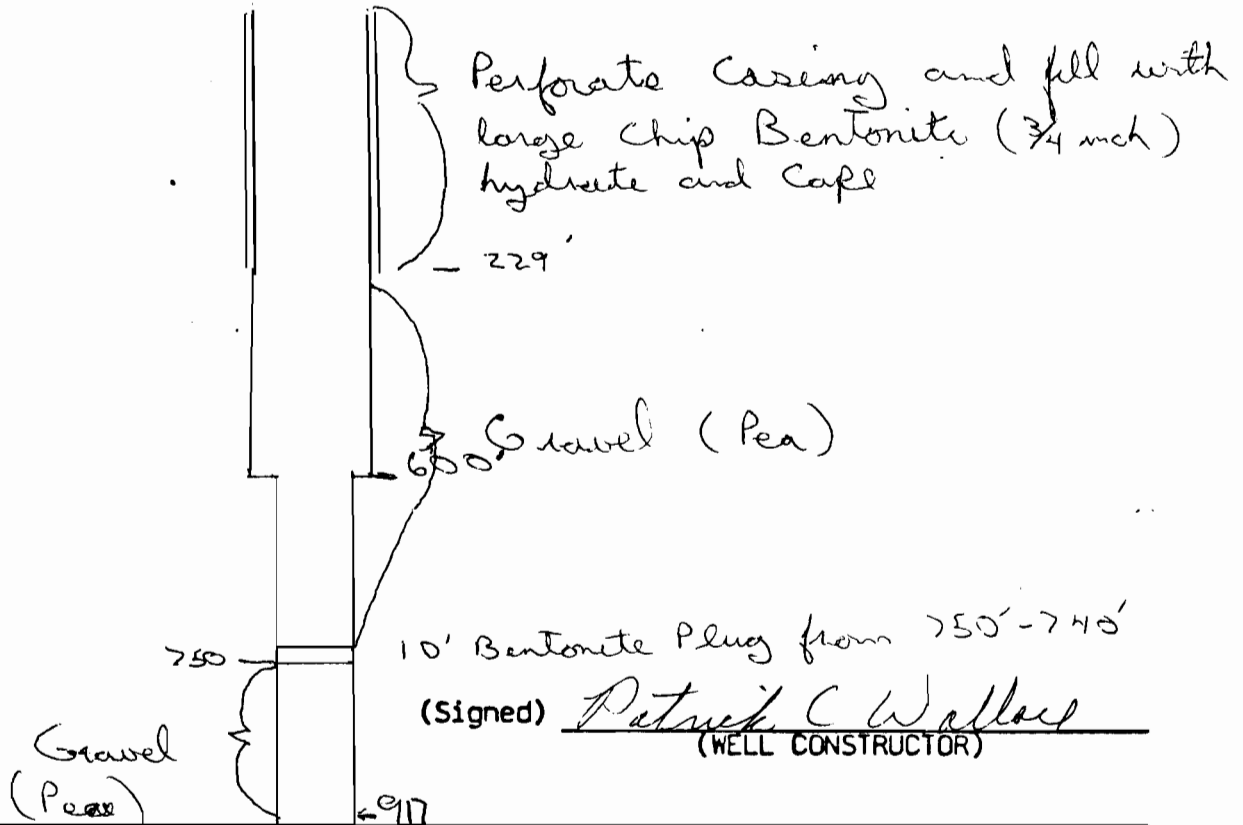
(4) The unusual conditions existing at the well site: abandonment  
of Well using large Chip Bentonite

(5) The proposed construction methods that the well constructor or landowner  
constructing the well believes will be adequate for his particular well:

Uses of large Chip bentonite to  
construct Plug at 750 level. and  
abandon upper part of Drill Hole

W-am

(6) A diagram showing the pertinent features of the proposed well design and construction (attach additional sheet if necessary):



For Water Resources Department Use Only

Date: 11/21/90  
 Approved by: R. Mayhew  
 Denied by: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

NOTE:

- (1) If approval, all other phases of construction must be in compliance with State Well Construction Standards.
- (2) If it should be determined at some future date that the well, due to its construction, is offering an avenue for pollution of the ground water body, it will be necessary for you to return to the site to correct any well deficiencies.

FOR WATER RESOURCES DEPARTMENT USE ONLY

Date Postmarked 10-21-90 Date Hand-delivered 10-21-90 Watermaster Initials BW WRD Receipt # 25228 Date Fee Received \_\_\_\_\_

CHECK NO. \_\_\_\_\_

**START CARD**  
**NOTICE OF BEGINNING OF WELL CONSTRUCTION**  
 (as required by ORS 537.762)

This form must be completed, signed by both the owner (or authorized agent) and constructor, and the original mailed or delivered to the Water Resources Department, 3850 Portland Road NE, Salem, OR 97310, no later than the day construction, alteration, conversion or abandonment work begins. A **\$75 fee shall** accompany all notices for new well construction or conversion of an existing hole not previously used as a water well (make checks payable to the Water Resources Department). Notices meeting this requirement but received without the required fee **will not be accepted** as properly and timely filed. The Water Resources Commission has authority to impose civil penalties for failure to submit the required \$75 fee with the start card and for failure to submit cards prior to beginning any construction, alteration, conversion or abandonment work.

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WATER RESOURCES DEPT.  
 SALEM, OREGON

Owner's name and mailing address City of Hermiston

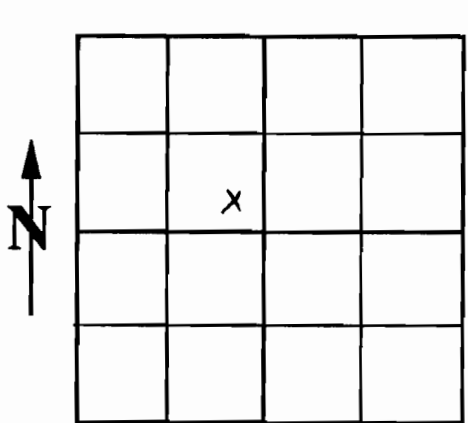
Check type of work: Fee Required  New construction  Conversion No Fee Required  Repair  Deepening  Recondition  Abandonment

Proposed Commencement Date 11-21 Existing or Proposed Well Depth 1200 Diameter 12"

Check Use:  Domestic  Community  Industrial  Irrigation  Monitoring  Thermal  Injection  Other \_\_\_\_\_

Proposed Well Location: County Umatilla Owner's Well Id. No. \_\_\_\_\_

Township 4 (N or S) Range 28 (E or W) Section 24



- SE 1/4 of NW 1/4 of above section
- Street address of well location 2 mi south of Hermiston on 395
- Tax lot number of well location \_\_\_\_\_
- Attach map with location identified. (See reverse of this form for approved maps)
- Show well location within 1/4, 1/4 of section grid at left.

We hereby certify that we have read the back of this form, and that to the best of our knowledge the information provided herein is accurate and the well is being properly located from septic tanks, septic drain fields and other hazards. ( See #2 on back)

Owner's signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_ Home phone \_\_\_\_\_ Work phone \_\_\_\_\_  
 Bonded Water Well Constructor Patrick Wallace License No. 1218 Company Wallace Drilling

NOTE: This is not a water right application. The owner is responsible for obtaining a water right through the Water Resources Department, if required.

THIS COPY TO DISTRICT WATERMASTER

Umatilla 220

STATE OF OREGON  
WATER WELL REPORT  
(as required by ORS 537.765)

DEC 10 1984

JAN 10 1984

45/28E-24  
Record  
(for official use only)

WATER RESOURCES DEPT. SALEM, OREGON

(1) OWNER:  
Name George Campbell  
Address 645 S.E. Pide Ct.  
City Hermiston State Or. 97838

(2) TYPE OF WORK (check):  
New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL: (4) PROPOSED USE (check):  
Rotary Air  Driven  Domestic  Industrial  Municipal   
Rotary Mud  Dug  Irrigation  Thermal:  Withdrawal  ReInjection   
Cable  Bored  Other:  Piezometric  Grounding  Test

5) CASING INSTALLED: Steel  Plastic   
Threaded  Welded   
" Diam. from ..... ft. to ..... ft. Gauge .....  
" Diam. from ..... ft. to ..... ft. Gauge .....  
LINER INSTALLED: Steel  Plastic   
Threaded  Welded   
" Diam. from ..... ft. to ..... ft. Gauge .....

(6) PERFORATIONS: Perforated?  Yes  No  
Size of perforations in. by .....  
..... perforations from ..... ft. to ..... ft.  
..... perforations from ..... ft. to ..... ft.  
..... perforations from ..... ft. to ..... ft.

(7) SCREENS: Well screen installed?  Yes  No  
Manufacturer's Name .....  
Type ..... Model No. ....  
Diam. .... Slot Size ..... Set from ..... ft. to ..... ft.  
Diam. .... Slot Size ..... Set from ..... ft. to ..... ft.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level  
Was a pump test made?  Yes  No If yes, by whom?  
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.  
Air test 600 gal./min. with drill stem at 915 ft. 1 hrs.  
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.  
Artesian flow ..... g.p.m.  
Temperature of water ..... Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION: Special standards: Yes  No   
Well seal—Material used Cement  
Well sealed from land surface to ..... 280 ft.  
Diameter of well bore to bottom of seal ..... 12 in.  
Diameter of well bore below seal ..... 12 in. to 600ft.  
Amount of sealing material ..... 224 sacks  pounds   
How was cement grout placed? Pressure grouted  
Was pump installed? No Type ..... HP ..... Depth ..... ft.  
Was a drive shoe used?  Yes  No Plugs ..... Size: location ..... ft.  
Did any strata contain unusable water?  Yes  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.

(10) LOCATION OF WELL by legal description:  
County Umatilla 1/4 ..... 1/4 of Section 24 of  
Township 4S Range 28 E WM.  
(Township is North or South) (Range is East or West)  
Tax Lot ..... Lot ..... Block ..... Subdivision .....

MAILING ADDRESS OF WELL (or nearest address):  
 Hwy 395 S.  
 Hermiston, Or. 97838

(11) WATER LEVEL of COMPLETED WELL:  
Depth at which water was first found ..... ft.  
Static level 302 ft. below land surface. Date 11-29-84  
Artesian pressure ..... lbs. per square inch. Date .....

(12) WELL LOG: Diameter of well below casing .....  
Depth drilled Reamed 250 ft. Depth of completed well 915 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 and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
<u>Set up over old well - drilled in 1968 by Hershey Well Drilling - and placed plug at 280 ft. Hole was grouted to within 35 ft. from surface. Cement + plug was then drilled out and hole was reamed from 8" to 12" 350 to 600 ft. Well was cleaned to 915 ft.</u>			
<u>Purpose of reconstruction was to seal off cascading water and to deepen pump chamber.</u>			

Date work started 11-19-84 / completed 11-29-84  
Date well drilling machine moved off of well 11-29 19 84

(unbonded) Water Well Constructor Certification (if applicable):  
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.  
[Signed] Patrick C. Wallace Date 11-29-84

(bonded) Water Well Constructor Certification  
Bond SB 36090 Issued by: Oregon Automobile Ins. Co.  
(number) (Surety Company Name)  
On behalf of Patrick C. Wallace, Wallace Drilling  
(type or print name of Water Well Constructor)

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief:  
(Signed) Patrick C. Wallace  
(Water Well Constructor)  
(Dated) 11-30-84

NOTICE TO WATER WELL CONSTRUCTOR  
The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,  
SALEM, OREGON 97310  
within 30 days from the date of well completion.

SP\*46866 690

UMAT 2526

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 WATER WELL REPORT  
STATE OF OREGON  
(Please type or print)  
DO NOT write above this line  
STATE ENGINEER  
SALEM, OREGON  
1969

Umatilla County  
Campbell Ranch, Inc. no.1  
State Well No. 4N/28-24-6d  
State Permit No. G-3923  
WSB & CLW

(1) OWNER:

Name CAMPBELL RANCH, INC.  
Address STAR ROUTE, ECHO, OREGON 97826

(2) TYPE OF WORK (check):

New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary  Driven   
Cable  Jetted   
Dig  Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

CASING INSTALLED:

18" Diam. from 0 ft. to 229 ft. Gage .227  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated?  Yes  No.  
Type of perforator used  
Size of perforations in. by in.  
perforations from ft. to 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?  Yes  No  
Manufacturer's Name  
Type Model No.  
Diam. Slot size Set from ft. to ft.  
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 238 ft. below land surface Date 5/15/69  
Man pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level Columbia  
Was a pump test made?  Yes  No If yes, by whom? Pump  
Yield: 1750 gal./min. with 92 ft. drawdown after 6 hrs.  
1650 " 82 " 3 "  
Ballor test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m. Date  
Temperature of water 72 Was a chemical analysis made?  Yes  No

(10) CONSTRUCTION:

Well seal—Material used  
Depth of seal ft.  
Diameter of well bore to bottom of seal in.  
Were any loose strata cemented off?  Yes  No Depth  
Was a drive shoe used?  Yes  No  
Did any strata contain unusable water?  Yes  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 WSB Driller's well number  
SE 1/4 NW 1/4 Section 24 T. 4N R. 28E W.M.  
Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing  
Depth drilled ft. Depth of completed well 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
well reamed from 8" to 12" from 285-350'			
Basalt (grey) hard	652	655	40'
Basalt (black) medium	655	661	
Basalt (grey) hard	661	712	
Basalt (black) soft	712	736	
Basalt (grey) hard	736	742	
Basalt (black) soft	742	755	108'
Basalt (green) medium	755	778	215'
Basalt (grey) boulders	778	813	
Red Rock (lodt cuttings)	813	826	230'
Basalt Boulders (grey) hard	826	869	
Basalt (black) medium	869	917	

RECORDED

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WATER RESOURCES DEPT.  
SALEM, OREGON

Work started Mar. 22 1969 Completed Apr. 24 1969  
Date well drilling machine moved off of well Apr. 28 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.  
Kenneth Maxwell Date Sept 23 1969  
(Signed) (Drilling Machine Operator)

Drilling Machine Operator's License No. 126

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 Campbell Ranch, Inc. (Person, firm or corporation) (Type or print) See which p. 110-119  
Address Star Route Echo, Oregon 97826  
(Signed) Harold S. Campbell (Water Well Contractor)  
Contractor's License No.

NOTICE TO WATER WELL CONTRACTOR

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

WATER WELL REPORT

PAGE 2 (Item 12 Cont'd)

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

STATE OF OREGON (Please type or print)

State Well No. 4N/28-24

State Permit No.

(1) OWNER:

Name Campbell Ranch Inc. Address Star Route Echo, Oregon

(2) LOCATION OF WELL:

County Driller's well number 1/4 Section T. R. W.M. Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

Well Deepening Reconditioning Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic Industrial Municipal Irrigation Test Well Other Rotary Cable Dug Driven Jetted Bored

(5) TYPE OF WELL:

(6) CASING INSTALLED:

Threaded Welded

" Diam. from ft. to ft. Gage " Diam. from ft. to ft. Gage " Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? Yes No

Type of perforator used

Size of perforations in. by in. perforations from ft. to ft. perforations from ft. to ft. perforations from ft. to ft. perforations from ft. to ft.

(8) SCREENS:

Well screen installed? Yes No

Manufacturer's Name Model No. Diam. Slot size Set from ft. to ft. Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Well seal—Material used in seal Depth of seal ft. Was a packer used? Diameter of well bore to bottom of seal in. Were any loose strata cemented off? Yes No Depth Was a drive shoe used? Yes No Was well gravel packed? Yes No Size of gravel: Gravel placed from ft. to ft. Did any strata contain unusable water? Yes No Type of water? depth of strata Method of sealing strata off

(10) WATER LEVELS:

Static level ft. below land surface Date Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. Date Temperature of water Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well below casing

Depth drilled ft. Depth of completed well ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with columns MATERIAL, FROM, TO. Rows include Sand & boulders, Grey rock hard, Red rock medium, clear water, AT 550ft. no cuttings, Grey rock hard, Red rock medium, Black rock medium to soft, Grey rock hard.

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WATER RESOURCES DEPT. SALEM, OREGON

Work started 19 Completed 19 Date well drilling machine moved off of well 19

(13) PUMP:

Manufacturer's Name Type: H.P.

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 (Person, firm or corporation) (Type or print) Address

Drilling Machine Operator's License No.

[Signed] (Water Well Contractor)

Contractor's License No. Date, 19

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UMAT 2527

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.

JAN 10 1968
WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. 4N/28-24
State Permit No.

(1) OWNER:

Name Campbell Ranch Inc.
Address Star Route Echo, Oregon

(2) LOCATION OF WELL:

County Umatilla Driller's well number
1/4 Section 24 T. 3 4 R. 28 W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic [ ] Industrial [ ] Municipal [ ] Irrigation [X] Test Well [ ] Other [ ]
Rotary [ ] Driven [ ] Cable [X] Jetted [ ] Dug [ ] Bored [ ]

(5) TYPE OF WELL:

(6) CASING INSTALLED: Threaded [ ] Welded [X]
12" Diam. from 0 ft. to 229 ft. Gage 277

(7) PERFORATIONS:

Perforated? [ ] Yes [X] No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.

(8) SCREENS:

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

(9) CONSTRUCTION:

Well seal—Material used in seal padded mud
Depth of seal 22 ft. Was a packer used? no
Diameter of well bore to bottom of seal 15 in.
Were any loose strata cemented off? [ ] Yes [X] No Depth
Was a drive shoe used? [X] Yes [ ] No
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 43 ft. below land surface Date 2/20/68
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? [ ] Yes [ ] No If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
Bailer test 20 gal./min. with 40 ft. drawdown after 1 1/2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? [ ] Yes [ ] No

(12) WELL LOG:

Diameter of well below casing 12"
Depth drilled 652 ft. Depth of completed well 652 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

Table with 3 columns: MATERIAL, FROM, TO. Rows include Sandy, loamy soil, Cement gravel, Brown clay, Red clay, Fine gravel & water, Red rock soft, Brown clay, Grey clay, Brown clay, Fine gravel, Blue clay, Green clay, Brown clay, fine gravel, mixed, Cement gravel, Grey rock hard, Grey rock medium, Brown rock medium, Grey rock medium, Black rock medium, Green shale soft, Grey rock medium, Grey rock hard, Black rock & little shale, Grey rock hard.

(13) PUMP:

Manufacturer's Name
Type: H.P.

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 John Hershey Well Drilling
Address Rt 3, Box 343, Hermiston, Ore 97838

Drilling Machine Operator's License No. 143

[Signed] John R. Hershey (Water Well Contractor)

Contractor's License No. 315 Date 19