

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

STATE OF OREGON  
(Please type or print)

DEC 27 1977 State Well No. 38/39E-12at  
Correct to  
State Permit No.

(Do not write above this line) WATER RESOURCES DEPT.  
SALEM, OREGON

PAGE 1 of 2

(1) OWNER:

Name Carl Helm Walking H Ranch  
Address Union Oregon

(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   
Dug  Bored

(4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) CASING INSTALLED:

Threaded  Welded   
14" Diam. from 0 ft. to 339 ft. Gage 1250  
" Diam. from ft. to ft. Gage  
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated?  Yes  No.

Type of perforator used Factory  
Size of perforations 1/8 in. by 3 in.  
5600 perforations from 192 ft. to 339 ft.  
perforations from ft. to ft.  
perforations from ft. to ft.

(7) SCREENS:

Well screen installed?  Yes  No

Manufacturer's Name \_\_\_\_\_ Model No. \_\_\_\_\_  
Type \_\_\_\_\_ 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.  
1840 " 120 " 6 "  
" " " " "  
Baller test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
Temperature of water 59° Depth artesian flow encountered \_\_\_\_\_ ft.

(9) CONSTRUCTION:

Well seal—Material used Cement slurry  
Well sealed from land surface to 18 ft.  
Diameter of well bore to bottom of seal 19 in.  
Diameter of well bore below seal 19 in.  
Number of sacks of cement used in well seal 2 yds 5 sack mix  
How was cement grout placed? Pump

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: 3/16  
Gravel placed from 18 ft. to 339 ft.

(10) LOCATION OF WELL:

County Union Driller's well number \_\_\_\_\_  
NW 1/4 NE 1/4 Section 12 T. 35 R. 39E W.M.  
Bearing and distance from section or subdivision corner  
2610 W 69° 50' S of NE Corner Sec 12

(11) WATER LEVEL: Completed well.

Depth at which water was first found \_\_\_\_\_ ft.  
Static level 5 ft. below land surface. Date 12-4-77  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

(12) WELL LOG:

Diameter of well below casing \_\_\_\_\_  
Depth drilled 348 ft. Depth of completed well 339 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
Soil Top Black	0	3	
Gravel + Boulders (Coarse)	3	20	
CLAY + Gravel	20	24	
Gravel + Boulders (lg)	24	31	
Clay + Boulders	31	33	
Boulders	33	40	
Gravel	40	43	
Boulders + Broken Basalt	43	80	
Clay Brown w/ Boulders	80	85	
Gravel med	85	92	
Clay Brown	92	100	5'
Gravel + Clay Br	100	110	5'
Gravel + Boulders	110	119	5'
Clay Brown w/ Gravel	119	143	5'
Brown Clay	143	146	5'
Gravel + Boulders	146	160	5'
Clay + Gravel med	160	170	5'
Gravel (med)	170	190	5'
Gravel + Clay	190	202	5'

(cont)  
Work started 10 4 1977 Completed 12-3 1977  
Date well drilling machine moved off of well 12 4 1977

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] Smart J. Stab Date 12 21 1977  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 698

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 Staffel Bros Drilling Co  
(Person, firm or corporation) (Type or print)

Address P.O. Box 34, LaSalle Ave

[Signed] Robert W. Staffel  
(Water Well Contractor)

Contractor's License No. 415 Date 12-21 1977

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

# WATER WELL REPORT

# RECEIVED

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

STATE OF OREGON  
(Please type or print)

DEC 2 1977  
State Well No. 35139E-1206

(Do not write above this line) WATER RESOURCES DEPT.  
SALEM, OREGON

Page 2 of 2

### (1) OWNER:

Name CARL HELM WALKING H RANCH  
Address UNION Ore

### (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   
Dug  Bored

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### CASING INSTALLED:

Threaded  Welded

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

### (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.  
" " " " " "  
" " " " " "  
Bailer test gal./min. with ft. drawdown after hrs.  
Artesian flow g.p.m.  
Temperature of water Depth artesian flow encountered ft.

### (9) CONSTRUCTION:

Well seal—Material used .....  
Well sealed from land surface to ..... ft.  
Diameter of well bore to bottom of seal ..... in.  
Diameter of well bore below seal ..... in.  
Number of sacks of cement used in well seal ..... sacks  
How was cement grout placed? .....  
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:

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

### (11) WATER LEVEL: Completed well.

Depth at which water was first found ..... ft.  
Static level ..... ft. below land surface. Date .....  
Artesian pressure ..... lbs. per square inch. Date .....

### (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 and indicate principal water-bearing strata.

(Cont.) MATERIAL	From	To	SWL
Boulders	202	205	5'
Gravel med w Boulders	205	240	5'
Gravel & Clay	240	260	5'
Gravel & Clay & Wood	260	265	5'
Gravel & Clay	265	280	5'
Clay w streaks of Gravel	280	302	5'
Boulders w Clay	302	325	5'
Gravel & Clay wood	325	330	5'
Clay Brown Gravel med	330	340	5'
Gravel (hard)	340	348	5'

Work started 10-4 19 77 Completed 12-3 19 77  
Date well drilling machine moved off of well 12-4 19 77

### 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] Ernest J. Stahl Date ....., 19.....  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 698

### 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 Staffel Bros Drilling Co  
(Person, firm or corporation) (Type or print)

Address P.O. Box 37 Lostine Ore

[Signed] Robert J. Staffel  
(Water Well Contractor)

Contractor's License No. 415 Date 12-21, 19 77