

OBSERVATION WELL

see deeper  
State Well No. 31/26-4 FL  
State Permit No. G.1219

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

WATER WELL REPORT

STATE OF OREGON G407

MOOR 595

(1) OWNER: GEORGE BLOW  
Name Luther W. Cramer  
Address 406 West 4th  
Hermiston, Ore

(2) LOCATION OF WELL:  
County Morrow Owner's number, if any -  
NW 1/4 SE 1/4 Section 12 T. 31N R. 26E W.M.  
Bearing and distance from section or subdivision corner  
S 66° 6' E 3142.0 FT FROM  
The West to Sect Monument

(3) TYPE OF WORK (check):  
New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 11.

PROPOSED USE (check): (5) TYPE OF WELL:  
Domestic  Industrial  Municipal  Rotary  Driven   
Irrigation  Test Well  Other  Cable  Jetted   
Dug  Bored

(6) CASING INSTALLED: Threaded  Welded   
12" Diam. from Ground ft. to 92 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.  
perforations from ft. to ft.

(8) SCREENS: Well screen installed  Yes  No  
Manufacturer's Name  
Type Model No.  
Slot size Set from ft. to ft.  
Slot size Set from ft. to ft.

(9) CONSTRUCTION:  
Was well gravel packed?  Yes  No Size of gravel:  
Gravel placed from ft. to ft.  
Was a surface seal provided?  Yes  No To what depth? ft.  
Material used in seal - casing driven tight into Red Clay  
Did any strata contain unusable water?  Yes  No  
Type of water? Depth of strata  
Method of sealing strata off

(10) WATER LEVELS:  
Static level 158 1/2 ft. below land surface Date  
Artesian pressure lbs. per square inch Date

Log Accepted by:  
[Signed] Luther W. Cramer Date Sept 26 1960  
(Owner)

(11) WELL TESTS: Drawdown is amount water level is lowered below static level  
Was a pump test made?  Yes  No If yes, by whom? Luther W. Cramer  
Yield: 500 gal./min. with 5 ft. drawdown after 3 hrs.  
" 400 " " 4 " " 3-40 min  
" 300 " " 3 " " 3-40 "

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  
D-487E 12 487E-625-8

(12) WELL LOG:  
Diameter of well inches.  
Depth drilled 623 ft. Depth of completed well 623 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.

MATERIAL	FROM	TO
Sand & silt	0	76'
Tan Clay	76	120'
Soft Basalt Rock	120	135'
Yellow & Blue Cube Clay	135	180'
Drilling Water	179 1/2'	
Conglomerate Rock	180	190
Black Basalt	190	246
Yellow & Blue Cube Clay	246	356
Basalt	356	623

8" cavity with water struck at 607'  
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JUN 13 2008  
WATER RESOURCES DEPT.  
SALEM, OREGON

Work started June 26 1959 Completed Mar 26 1960

(13) PUMP:  
Manufacturer's Name Western Pump Co  
Type: 7 stage 12N Turbine Pump H.P. Max 200

Well Driller's Statement:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Luther W. Cramer  
(Person, firm, or corporation) (Type or print)  
Address 406 West 4th, Hermiston

Driller's well number  
[Signed] Luther W. Cramer  
(Well Driller)  
License No. Date Sept 26 1960

(1) OWNER: <sup>SULLIVAN E. JOHNSON</sup>  
Name Waldo H. Cramer  
Address 1313 Lewis St.  
The Dalles, Ore.

(2) LOCATION OF WELL:  
County Morrow Owner's number, if any Permit U-551  
R. F. D. or Street No. Well #1  
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):  
Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):  
Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) EQUIPMENT:  
Rotary   
Cable   
Dug Well

CASING INSTALLED:  
Threaded  Welded

FROM	ft. to	ft.	Diag.	Gage or Wall	Diameter of Bore	from ft.	to ft.
"	0	64	12"	34"			
"	"	"	"	"			
"	"	"	"	"			
"	"	"	"	"			
"	"	"	"	"			

Type and size of shoe or well ring \_\_\_\_\_  
Describe joint \_\_\_\_\_

(7) PERFORATIONS:  
Type of perforator used \_\_\_\_\_

SIZE of perforations	in., length, by	in.		
FROM	ft. to	ft.	perf per foot	No. of rows
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"

SCREENS:  
Give Manufacturer's Name, Model No. and Size \_\_\_\_\_

(8) CONSTRUCTION:  
Was a surface sanitary seal provided?  Yes  No To what depth \_\_\_\_\_ ft.  
Were any strata sealed against pollution?  Yes  No  
If yes, note depth of strata \_\_\_\_\_  
FROM \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

METHOD OF SEALING \_\_\_\_\_

(9) WATER LEVELS:  
Depth at which water was first found 163 ft.  
Standing level before perforating 181 ft.  
Standing level after perforating \_\_\_\_\_ ft.

Log Accepted by:  
[Signed] Waldo H. Cramer Dated \_\_\_\_\_, 19\_\_\_\_  
Owner

(10) WELL TESTS: OBSERVATION WELL  
Was a pump test made?  Yes  No If yes, by whom? Driller  
Yield: 360 gal./min. with 3 ft. draw down after 1 hrs.  
" 440 " " 5 " " 1 "  
" 525 " " 5 1/2 " " 4 "  
Artesian flow \_\_\_\_\_ g.p.m.  
Shut-in pressure \_\_\_\_\_ lbs. per square inch.  
Bailer test \_\_\_\_\_ g.p.m. with \_\_\_\_\_ ft. drawdown  
Temperature of water 69 Was a chemical analysis made?  Yes  No  
Was electric log made of well?  Yes  No

(11) WELL LOG:  
Diameter of well, 12 inches.  
Total depth \_\_\_\_\_ ft. Depth of completed well 544 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.  
0 ft. to 35 ft. Sand & Silt  
35 " 163 " Brown Clay  
163 " 178 " Clay & Rock - Drilling Water  
178 " 212 " Brown Clay  
212 " 298 " Gray Boulded Rock  
298 " 325 " Brown Clay  
325 " 382 " Sand & Clay  
382 " 482 " Hard Gray Rock  
482 " 544 " Sandstone / laminated  
Boulded Rock with small opening

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Ground elevation at well site 650 feet above mean sea level.  
Work started Aug 11, 1955 Completed Aug 10 1956

Well Driller's Statement:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
NAME Waldo H. Cramer (Person, firm, or corporation) (Typed or printed)  
Address Waldo H. Cramer - Ernest Cramer  
The Dalles, Ore.  
Driller's well number \_\_\_\_\_  
[Signed] Waldo H. Cramer (Well Driller)  
License No. \_\_\_\_\_ Dated \_\_\_\_\_, 19\_\_\_\_