STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

RECEIVED
CROO 2109
SEP 15 1986
WATER RESOURCES DEPT.
SALEM, OREGON

CROO 2109

15s/16E-5Db abandon

(1) OWNER:

Owner's Well Number

Name City of Prineville

Address 400 East Third Street

City Prineville State Oregon Zip 97754

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☒ Abandon

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☒ Other Test well #1

(5) BORE HOLE CONSTRUCTION:

Depth of Completed Well Ø ft.

Special Standards date of approval

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
6	0	263	conc	0	236	6 cu. yards

How was seal placed? Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other Tremied

Backfill placed from 236 ft. to 263 ft. Material sand slough

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Pumping level	Drill stem at	Time
See attached			½ hr
			1 hr

Temperature of water Depth Artesian Flow Found

Was a water analysis done? ☒ Yes By whom W,F & R lab

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☒ Other See attached

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Crook Latitude ' " Longitude ' "

Township 15S N or S, Range 16E E or W, WM.

Section 5 NW ¼ of SE ¼ HDN.

Tax Lot Lot Block Subdivision Sprgs.

Street Address of Well (or nearest address) E. side of Juniper Street at SE 6th street

(10) STATIC WATER LEVEL: See attached

ft. below land surface. Date

Artesian pressure -- lb. per square inch. Date --

(11) WELL LOG:

Ground elevation Approx. 2875

Material	From	To	WB?	SWL
Top soil	0	1		
Silt & sand, brown	1	7		
Gvl,3/4-;sand,silt	7	13	x	~5
Gvl,2-+sand,crse,br	13	23	x	
GVl,2-;sand,crse,br	15	23	x	
Silt, brown	23	25		
Sand,& silt, brown	25	28	x	
Clay, grey, silty	28	30		
Sand, fine, black	30	45	x	
Sand, med, black	45	55	x	
Sand,fine-silty,grey	55	94	x	
Sand,silty-med,grey	94	128	x	~30
Silt, grey	128	145		
Silt, grey, w/clay	145	195		
Clay, grey, w/silt	195	205		
Sand, fine-silt, grey	205	210	x	
Silt & clay, grey	210	218		
Clay & gravel	218	220		
Sand,fine-med,black, gravel, 3/4-	220	224	x	
Grvl,3-;sand,crse,blk	224	236	x	80
Basalt,grey & red,w/ clay, brown	236	242		
Basalt, grey	242	247		
Claystone,br;w/basalt chips	247	256		
Claystone,grn;w/basalt chips	256	260		
Claystone, lime green	260	263		

Date started 7/29/86 Completed 9/9/86

(unbonded) Water Well Constructor Certification:

I constructed this well in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

Signed Eugene Mack Date 9/12/86

(bonded) Water Well Constructor Certification:

I accept responsibility for construction of this well and its compliance with all Oregon water well standards. This report is true to the best of my knowledge and belief.

Signed Stephen Schneider Date 9/12/86

Company Schneider Equip, Inc Co. Job No. 8626

9809C 10/85

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City of Prineville
Notes on Test Well No. 1

Completed September 9, 1986

Well was drilled and cased simultaneously to 237 feet. The intermediate water (approx. 100' level) had an odor and odd taste to it. The casing met refusal at 237 feet and the water bearing stratas were sealed off by the casing. Drilling then advanced to the 263 foot depth but the formations below 236 feet were not waterbearing. The casing was then perforated opposite the 220 foot to 236 foot aquifer. The SWL stabilized at 80 feet and the well was test pumped at 50 gpm for 24 hours with 7.5 feet of drawdown. A water sample was taken near the end of this test and the analysis is attached. The 6" casing was then pulled back approximately 10 feet in preparation for reaming/abandonment; however, the owner wanted to try to deepen the hole so the casing was driven back down. This caused an apparent leakage around the well casing as the SWL rose to approximately 7 feet. The attempt to deepen the hole was futile because of continued sand sloughing problems through the perforations. The casing was finally pulled as the hole was abandoned with concrete.

CROO 2109

Water, Food & Research Lab, Inc.

Problem Solvers

Laboratory: 13015 S.W. Pacific Hwy., Tigard, Oregon 97223
Mailing Address: P.O. Box 19700, Portland, Oregon 97219
Telephone (503) 639-9311

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SCHNEIDER EQUIPMENT COMPANY
21881 RIVER ROAD N.E.
ST. PAUL, OR 97137

SAMPLE NO # 3819

"PRINEVILLE TEST WELL"

CHEMICAL CONTAMINANTS LABORATORY REPORT
********** 27 AUGUST 1986 **********

SAMPLE: WATER SAMPLE FOR EPA INORGANIC & OSHD SECONDARY PKG TESTS

DATE COLLECTED: 08-14-86 (PRINEVILLE TEST WELL)

DATE RECEIVED: 08-16-86 BY DSM

CONTAMINANT	METHOD	LIMIT		RESULTS	ANAL DATE	ANALYST
**********	******	*ppm*	*	****ppm****	*********	*******
ARSENIC (As)	206.2	0.050		< 0.010	08-19-86	PBS
BARIUM (Ba)	208.1	1.00		< 0.05	08-18-86	PBS
CADMIUM (Cd)	213.2	0.010		< 0.005	08-25-86	PBS
CHROMIUM (Cr)	218.2	0.050		< 0.005	08-21-86	PBS
FLUORIDE (F)	340.1	2.4		< 0.10	08-27-86	DSM
LEAD (Pb)	239.2	0.050		0.013	08-18-86	PBS
MERCURY (Hg)	245.1	0.0020		< 0.0005	08-27-86	PBS
NITRATE (NO3)	353.3	10.0		< 0.10	08-18-86	DSM
SELENIUM (Se)	270.2	0.010		0.008	08-18-86	PBS
SILVER (Ag)	272.2	0.050		< 0.005	08-25-86	PBS
SAND	SM 209	2.0	*	> 2.0	08-16-86	DSM
pH pH	SM-423	6 to 9		7.38	08-16-86	DSM
FLUORIDE (F)	340.1	2.4		< 0.10	08-27-86	DSM
HARDNESS	SM-314	250		119.0	08-18-86	DSM
TOTAL SOLIDS	SM-209-A	500		262.0	08-19-86	DSM
CHLORIDE (Cl)	SM-407	250		14.5	08-19-86	DSM
COPPER (Cu)	SM-313-A	1.0		< 0.005	08-26-86	PBS
IRON (Fe)	SM-315-A	0.30	*	0.378	08-21-86	PBS
MANGANESE (Mn)	SM-319-A	0.050	*	0.209	08-18-86	PBS
SULFATE (SO4)	SM-426	250		14.5	08-19-86	DSM
ZINC (Zn)	SM-328-A	5.0		0.15	08-21-86	PBS

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CERTIFIED BY: ALL TEST RESULTS MEET EPA/OSHD LIMITS, EXCEPT IRON AND MANGANESE & SAND

PAUL B. STEVENS
Microbiologist/Biochemist
LAB DIRECTOR (EPA/OSHD # 24)

RESULTS IN PARTS PER MILLION = MG/L
< = LESS THAN OR NONE DETECTED

CERTIFIED