WATER WELL REPORT STATE OF OREGON

JUN 12 1981 MA 31....

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State Well No.

WATER RESOURCES DEPT

State Permit No. 29537

SALEM, ORE	GUN (10)	
(1) OWNER:	(10) LOCATION OF WELL:	-
Name Carol Binkley	County Marion Driller's well number	2367
Address 786 01ney Rd.	S. F. ¼ N. W. ¼ Section 26 T. 8S R. 2W	
Mem Aumoville, Oregon 97325 State 9130/		Bubdivision
(2) TYPE OF WORK (check):	Address at well location: 7864 Olney Rd. Aums	vuille
New Well □ Deepening □ Reconditioning ☑ Abandon □	,	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.	,
	Depth at which water was first found difficult to	(see note) o determine
		ace. Date 5/29/82
Rotary Air Xi Driven	Artesian pressure lbs. per square	inch. Date
Bored	(12) WELL LOG: Diameter of well below casing .	6 (see note
(5) CASING INSTALLED: Steel XXX Plastic	Depth drilled 148 ft. Depth of complete	
(5) CASING INSTALLED: Steel XX Plastic Threaded Welded X	Formation: Describe color, texture, grain size and structure of	materials; and show
6"Diam from+1 ft. to70 ft. Gauge250	thickness and nature of each stratum and aquifer penetrated, we for each change of formation. Report each change in position of	rith at least one entry
"Diam. from	and indicate principal water-bearing strata.	or country that beve
LINER INSTALLED:	MATERIAL From	To SWL
4" Diam. from 0. ft. to 148 ft. Gauge 160 PSI	Cement chips and brown clay 0	31
(6) PERFORATIONS: liner only Perforated? W Yes □ No	Soft fine sandstone & claystone	
Type of perforator used existing liner waxy only	reddish brown, sticky, strat-	
Size of perforations 1/8 in. by 7 in.	ified, & cement chips 31	58
	Gray visecular Basalt (see note) 58	75
perforations from	Broken Basalt (see note) 2) 75	144
perforations from	Blue Clay 144	148
(7) SCREENS: Well screen installed? ☐ Yes ☒ No		
Manufacturer's Name		
Type Model No.		
Diam. Slot Size Set from ft. to ft.		
<u>Diam.</u> 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?		
gal./min. with ft. drawdown after hrs.		
" " "		
Air test 50 gal./min. with drill stem at 148ft. 2 hrs.		
Bailer test gal./min, with ft. drawdown after hrs.		
Artesian flow g.p.m.		
erature of water Depth artesian flow encountered ft.	Work started 5/20/81 19 Completed	5/29/81 19
(9) CONSTRUCTION: Special standards: Yes □ No 🖫		5/29/81 19
Well seal—Material usedCementand5%QuikGelbentonite	Drilling Machine Operator's Certification:	
Well sealed from land surface to	This well was constructed under my direct supervisi	ion. Materials used
Diameter of well bore to bottom of seal		
Number of sacks of cement used in well seal31sacks	[Signed] . Dat (Drilling Machine Operator)	е.р/.8/.8,щ9
How was cement grout placed? pumpedtobottomofannulus	Drilling Machine Operator's License No	
throughconductorpipeuntilgrout.reached	Water Well Contractor's Certification:	
land.xsurface10inch.surface.pipe.usedto.5		is report is true to
Was pump installed?	the best of my knowledge and belief.	4 m w w w
Was a drive shoe used? X Yes No Plugs Size: location ft.	Name Willamette Drilling Co. (Person, firm or corporation)	(Type or print)
Did any strata contain unusable water? XXXVes ₩ No Yes see note	Address 7365 O'Neil Rd. N.E. Salem. C	regon 9730
Type of Water? surface depth of strata 40 to 58 ff.		
Method of sealing strata off cased and cemented	[Signed] (Water Well Contractor)	*******************
Was well gravel packed? ☐ Yes ☒ No Size of gravel:	Contractor's License No. 561 Date 6/8/81	19

	R. 2W Su Aumsv ell.	ubdivision	W.M
S.F. 1/4 N.W. 1/4 Section 26 T. 8S Tax Lot # Lot Blk Address at well location: 7864 Olney Rd. (11) WATER LEVEL: Completed well Depth at which water was first found difficus Static level 14 ft. below la Artesian pressure lbs. per	R. 2W Su Aumsv ell.	ubdivision	W.A
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Static level 14 ft. below la Artesian pressure lbs. pe		/ See 'i	
Artesian pressure lbs. pe	ınd surfa	uetei	mine
100. pc.		∞ . Date $5/$	<u>/29/8</u>
(19) WELLIOC.	r square i	inch. Date	-
(12) WELL LOG: Diameter of well below of	casing .6	(see	note
Depth drilled 148 ft. Depth of c			
Formation: Describe color, texture, grain size and stru thickness and nature of each stratum and aquifer penet for each change of formation. Report each change in p and indicate principal water-bearing strata.	rated, wi	ith at least	one entr
MATERIAL	From	To	SWL
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Broken Basalt (see note) 2)	75	144	
Blue Clay	144	148	
			-17-2
Work started $\frac{5}{20}/81$ 19 Complete		<u>/29/81</u>	
Date well drilling machine moved off of well	5	<u>/29/81</u>	19



Willamette Drilling Company, Inc.

Well Drilling Contractors

7365 O'Neil Rd. N.E. SALEM, OREGON 97303

Phone 393-1757

June 8, 1981



At owners request we are providing additional details explaining more accurately what we didd to the well.

NOTES:

#1 A 10 inch seal pipe was installed to a total depth of 58'8". This was done to hold open seal hole during placement of cement grout. The outside diameter of the seal pipe was 10.750 inches, at the bottom was a drive shoe with a diameter of nearly 12 inches. During installation of this seal pipe, the pipe fell on its own accord at roughly 47 feet for a distance of approximately 1½ to 2 ft. The seal pipe fell again at approximately 52 feet for a distance of approximately 1 to 1½ feet. The seal pipe could not be driven any further than 58'8". The pipe was removed as the grout was placed in sealing annulus.

#2 The accuracy of the well log from 70 feet on down is poor due to the diameter of the old borehole and new borehole being the same. There was some problems with alignment in the old borehole so that the new well may be oblong and may have a diameter slightly larger than the old well. Due to these problems and unstable broken rock starting at 75 feet, a neoprene packer was placed at 102 feet.

#3 Unusable water was determined to be present before reconstruction was started from tests that was previously performed. The depth of strata is only approximate since water was being produced from the existing borehole. This flow of water made determination of where water first occurred nearly impossible.

#4 During the drilling of the seal bore from 58 feet to 70 feet the returning water recovered during the drilling process changed color from a light brown color to a light gray color, however some brown clayish materials were present as these materials were filling the old borehole and were being removed during the redrilling process

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