

UMAT 50632
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WELL I.D.# _____

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

Instructions for completing this report are on the last page of this form.

(START CARD) # _____

McFarland Well

(1) OWNER: Well Number 2
Name City of Umatilla
Address 916 6th St
City Umatilla State OR Zip 97882

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 785 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
15"	165	232				Unknown
12"	232	303				
8"	533	780				

How was seal placed: Method A B C D E

Other _____

Backfill placed from _____ ft. to _____ ft. Material _____

Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Casing:	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
	16"	0	165			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.5"	303	352			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8"	352	533			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____

Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

<input checked="" type="checkbox"/> Pump <input type="checkbox"/> Bailer <input type="checkbox"/> Air <input type="checkbox"/> Flowing Artesian	Yield gal/min	Drawdown	Drill stem at	Time
	700	83.5		70hr.

Temperature of water _____ Depth Artesian Flow Found _____

Was a water analysis done? Yes By whom _____

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

Salty Muddy Odor Colored Other _____

Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Umatilla Latitude _____ Longitude _____
Township 5 N or S Range 28 E or W. WM.
Section 19 NE 1/4 NE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL: Caliper Log
159 ft. below land surface. Date 3/20/97
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
Information on this report is from Department files and work done for the City of Umatilla.			
Marc A Norton			
9/12/97			

Date started _____ Completed _____

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

Umatilla City #3 - Mc FARLAND WELL **UMAT 50632**
 Well name

Index number -- 85-U
 5N-28E-19-A

File number
 (Code: Tp., R., Sec., 1/4 Sec.)

LOCATION:

Umatilla _____ County

Umatilla _____ Quadrangle

5N 28E 19 NE 1/4 of NE 1/4
 Tp. Range Section Fractional section

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

STATISTICS:

Well type-Dug _____ Elevation (land sur- Use status- Well status-
 Drilled face) _____ ft. domestic* _____ abandoned _____
 Driven _____ above _____ industrial _____ dry hole _____
 below _____ irrigation _____ producer
 Final depth 785' _____ municipal
 *includes stock wells

City of Umatilla _____
 Owners name _____
 Address _____

A. M. Janssen _____
 Original drillers name _____
 Address 319 Pittock Block, Portland, Ore.

Date of drilling November 19, 1947

This record compiled by N.S.W. from
 data secured from the following sources:

Deepened _____
 re-cased _____
 cleaned _____ by _____

Mayor J. A. Stevens, Umatilla

Date compiled December 1947

Date _____

Material	Thickness (feet)	Depth (feet)	Remarks
Clay and top soil	17	17	Casing used:
Gravel and boulders	10	27	170' of 16"
Sand	11	38	63' of 10"
Gravel	132	170	174' of 8"
Rock	175	345	
Blue clay	28	373	
Broken rock	42	415	SWL 115'. Drawdown 90'
Rock	90	505	Yield approximately 1000
Clay	30	535	g.p.m. Temp. 71°F.
Rock	215	750	
Sandy formation	5	755	
Rock	30	785	

UMAT 50632

HOGENSON, G.M. GEOLOGY AND GROUND WATER OF THE UMATILLA

RIVER BASIN ~~WELLS~~ BASIC DATA GEOLOGICAL SURVEY

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WATER SUPPLY PAPER 1620, USGPO, 1964.

TABLE 2.—Drillers' logs of representative wells—Continued

Materials	Thickness (feet)	Depth (feet)
5N/28-10R3. U.S. Army Corps of Engineers. Drilled by R. J. Strasser, 1952		
Glaciofluvial deposits:		
Soil and loose sand	20	20
Gravel and boulders, cemented	15	35
Gravel and boulders	5	40
Sand and gravel, cemented	11	51
Sand and gravel, loose	11	62
Gravel, some boulders and clay	10	72
Gravel, cemented, hard	14	86
Gravel	11	97
Gravel, cemented	8	100
Boulders and loose gravel	7	107
Gravel, cemented	10	117
Columbia River basalt:		
Basalt, black and red, broken	7	124
Basalt, flow breccia	9	133
Basalt, gray, hard; creviced at 182 and 194 ft	116	249
Lower part of the Ellensburg formation:		
Shale, green	24	273
Clay, gray	15	288
"Selvage"	12	300
Columbia River basalt:		
Basalt, black, porous	6	306
Basalt, gray	51	357
Basalt, black, hard and soft	48	406
Shale, green	2	407
Basalt, medium-hard	15	422
Basalt, gray and black, hard	49	471
Basalt, brown and black, creviced	5	476
Basalt, gray	20	496
Basalt, porous, caving	16	512
Basalt, gray and black, hard and broken	17	529
Basalt, broken, some clay	15	544
Basalt, gray, hard	43	587
Basalt, red, black, brown, porous	9	596
Basalt, gray	26	622
Basalt, black, porous, broken	11	633
Basalt, gray, medium-hard	17	650
Basalt, black, porous, loose	20	670
Basalt, black and gray	37	707
Basalt, broken, and blue clay	2	709
Basalt, broken, and green "slate," mineralized with iron pyrites, green coating in vesicles	4 1/2	713 1/2
Basalt, black, porous, and green "slate"	42 1/2	756
Basalt, black	21	777

UMAT 50632 5N/28-19A1. City of Umatilla (well 3). Drilled by A. M. Janssen, 1947 MCFARLAND WELL

Glaciofluvial deposits:		
Clay and topsoil	17	17
Gravel and boulders	10	27
Sand	11	38
Gravel	132	170
Columbia River basalt:		
Basalt	175	345
Lower part of the Ellensburg formation and interbedded basalt:		
Clay, blue	28	373
Basalt, broken	42	415
Basalt	90	505
Clay	30	535
Columbia River basalt:		
Basalt	215	750
Sandy formation (decomposed basalt?)	5	755
Basalt	30	785

NOTE.—Casing, 16-inch, set to 170 feet; 10-inch set from 310 to 373 ft; 8-inch set from 361 to 535 ft. Open 8-inch hole from 535 to 785 ft.

SWL 115 FT 11/19/47