

5N/25-12-11) UMATILLA

Milton Freewater

Application No. U <u>/09</u> Permit No. U <u>102</u> Well No. <u>*/</u> G 5389

REPORT ON COMPLETION OF WELL

(Note: This report should be submitted to the State Engineer, Salem, Oregon, as soon as possible after the well is completed. If more than one well is covered by this permit, a separate report shall be filed for each)

Date of Report_____, 193____

#. 40' of Lot 5, Block 7, McCoy's Addition to Milton City, Oregon. 1. Location of well: <u>S. W. 1</u> of Section <u>12</u> Twp. <u>5</u> NBge. <u>35</u> E. W. M.

- 2. Name of nearest natural surface stream Walla Walla River
- 3. Distance from well to that stream: 1000 feet.
- 4. If the well is less than 1300 feet from a natural surface stream, give the difference in elevation between the ground surface at the well and the lowest point in stream channel: _____9.5____feet.

5. Date of beginning drilling or digging January 2, 1937

6. Date well was completed <u>March 1. 1938</u>

LOG OF M	LOG OF MATERIALS ENCOUNTERED								
Character of Material	Depth at which encountered	Thickness of stratum							
	At surface	ft.							
	ft.	ft.							
SEE SHEET ATTACHED)	ft.	ft. ft.							
	ft.	ft.							
	ft.	ft.							
	ft.	ft.							
	ft.	ft.							
	ft.	<u>ft.</u> <u>ft</u> . ft.							
	ft.	ft.							
Remarks:									

WELL INFORMATION

	Diameter of well 12" inches. Depth of well 652	
9.	Depth at which water was first encountered 901	leet.
10.	Water level when completed: 87' feet below ground surface	ace.
11.	Additional information regarding well; such as soil conditions, quick sand,	
	caves, obstructions, rock, etc.: See log attached.	
	This well for "standby" service only	
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S IVEN	UMAT 3961	5N/35-12 #1
		UMATILLA
1938 1938		
M CONFER	PUMP INFORMATION	
and a set of the set o	•	
* 10 Nourforthuman of m	Foinhonka-Monse & Com	7 691 1
12. Manufacturer of pu	mp: <u>Fairbanks-Morse & Com</u> rst Avenue ^S outh, Seattle, Wa	shington
14. Data on name or ba	se plate: <u>#32523 - Seattle No</u>	.7310
o Stage 12" In	ip. 7472. Figure 6920. 1750 R.	P.M.
Outside column	9" 0. D., Length 150', Shaft	1 5/8" Dia.
15. Data on pump bowl	assembly:	
••••••••••••••••••••••••••••••••••••••		
16. Size of pump:	12"	
17. Rated capacity: 1	.000 gallons per	minute. 80 pounds pressur
18. Rated speed:	1800 revolutions	per minute. water to wate
19. Number of stages:	<u>ь</u>	
20. Size of intake pip	nine: 12 ¹¹	
21. Size of discharge 22. Length of intake p	ipe: 150'	
23. Length of discharg	e pipe: Direct into 12" city m	ain
24. Suction lift: (dif	ference in elevation between water	surface in well and pump)
25. Discharge lift: (d	ifference in elevation between pump	and end of discharge line)
	he halow mound aunthoast 187	f feet
27 Remarks. 1871 to	ke below ground surface: 187 bottom of intake pipe	10000
	MOTOR OR ENGINE INFORMATION	
28. Name of manufactur	or: Fairbanks-Morse & Co. First Avenue South. Seattle.	Weshington
29. AUULESS: TEEL	engine: 100 H.P., Morse Type, 1	750 R. P. M. 3 phase
30. Type of motor pr		
30. Type of motor or c o0 cy., 440 volt	s, vertical ball bearing, hol	low shaft squirrel cage.
30. Type of motor or c o0 cy., 440 volt	s, vertical ball bearing, hol	low shaft squirrel cage.
30. Type of motor or c o0 cy., 440 volt	s, vertical ball bearing, hol	low shaft squirrel cage.
30. Type of motor or c o0 cy., 440 volt	ts, vertical ball bearing, hol	low shaft squirrel cage.
30. Type of motor or o	se plate:	low shaft squirrel cage.
 30. Type of motor or o	100	low shaft squirrel cage.
 30. Type of motor or o		ldw shaft squirrel cage.
 30. Type of motor or e o<u>0 cy., 440 volt</u> 31. Data on name or ba 32. Rated horsepower: 33. Rated speed of mot 		low shaft squirrel cage. evolutions per minute.
 30. Type of motor or o	100 .or or engino: 1750 Pump 1000 g.p 1200 g.p	low shaft squirrel cage. evolutions per minute. o.m. at <u>305</u> ft. head o.m. at <u>250</u> ft. head
 30. Type of motor or o	100 .or or engine: 1750 Pump 1000 g.F 1200 g.F 1250 g.F	<pre>low shaft squirrel cage. evolutions per minute. o.m. at <u>305</u> ft. head o.m. at <u>250</u> ft. head o.m. at <u>240</u> ft. head</pre>
 30. Type of motor or o	100 100 for or engine: 1750 Pump 1200 g.H 1250 g.H g.H 1250 g.H	low shaft squirrel cage. evolutions per minute. o.m. at <u>305</u> ft. head o.m. at <u>250</u> ft. head o.m. at <u>240</u> ft. head
 30. Type of motor or o	100 .or or engine: 1750 Pump 1200 g.H 1250 g.F	evolutions per minute.

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FII) 5N/35-12 (47) UMATILLA CO

2.1/1回

					CAPA	CITY I	est			
58.	Date of test Motor speed Test made by	during	test:						5° F. or	
							Gallons	^o Fcet to	o Draw-	
40.	Pounds To pressure	OTAL HEA	D		tal lif n feet	U		water lev		- +Tim
	lbs., G	auge at	pump T		_ft	in.		f	tft	
	lbs., Ga	auge at	pump T	otal	ft	in.		and the second	tft	Conception of the local division of the loca
	1bs., G	auge at	pump T	otal	_ft	in.			tft	
		auge at			_ft _ft	inin.		فالفي المرافع والتراخي والتراخي بالبي المراجع المراجع	tft tft	
	lbs., G	auge at auge at			ft	-in.		and the second se	t ft	
		auge at			ft.	in.			t. ft	
		auge at			_ft	in.		f	tft	t •
		auge at			_ft	in.		and the second se	tf	
	lbs., G	auge at	pump T	otal	_ft	in.			tf1	the second se
	1bs., G				_ft	in.		the second s	tf	the second s
	1bs., G	auge at	pump T	otal	ft	in.		كبجار بتجار فكالنا ومعاولا والمتحد والمحاد	t. ft t. ft	Contraction of the local division of the loc
	1bs., G	auge at	pump T	otal	ft ft	in.			t. f	Contraction of the local division of the loc
	lbs., G				ft	in.			and the second se	t.
	1bs., G				ft.	in.			and the second division of the second divisio	t
	1bs., G	auge at	vump T	otal	ft.	in.		f	tf	t
47	* Differenc line. • Distance • Distance • Hour and Installatio	from gro water lo minute a	ound le evel is	vel to lower	water ed duri	surfa ing ti n was :	ce in wel me interv made.	.1. val.		
42.	Water is di	scharged	l into:	12	" city	<u>v wąt</u>	<u>er main</u>			
43.	Was water 1	owered t	to pump	o intak	te by te	st?_				
44.	Remarks:			احد معامیر میرد. بخرجی						
				G	ENERAL	INFOR	MATION			
45.	Name of con Pump and mo	tractor	or oth	her par	ty who ddress	drill : <u>Wa</u>	ed or dug 11a Wal	g well: <u>A</u> la, Washi	A. Dun ngton	and
		: Aðe	dress:	1 a	Cima,	wasn	ington	ull, Fair	banks-1	lorse
	Capacity to	st was i	made by dress.	y: Uar Yaki	ma. W	ashin	gton		<u> </u>	
48.	General ren Rating B	arks:	Chec	ked b	y Mr.	Whit	e, Engi			

Report made by Mil (sign here) mgr Bus.

U-102 F(1) 5N/35-12AAA UMATILLA CO

REGEIVED

JUNI 4 1938 STATE ELISINEED State - Elis

LOG OF MILTON WELL - UMATILLA COUNTY

From 1 to 30 ft. gravel 30 to 37 " Cement & Gravel 37 to 40 " Gravel & Clay 46 to 60 " Black Rock 60 to 98 " Rock & Clay 98 to 115 " Black Rock 115 to 122 " Hard Black Rock 122 to 140 " Medium Rock " Soft Red Brown 140 to 145 " nt 145 to 180 " " " Black 180 to 186 " Hard Black Rock 186 to 202 " Medium Grey Rock 11 Ħ 202 to 212 " Soft 212 to 249 " Medium Brown Rock 249 to 256 " Hard Brown 256 to 280 " Soft Brown Rock 280 to 367 " Medium Grey Rock Black Rock tt 367 to 410 " 410 to 440 " Ħ Grey 440 to 450 " Black " 11 Grey " 450 to 651 " "

3N/35-12 RAT/ FII) UMATILLA

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Spanne Gunder

UMAT 3961

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APRIL 22, 1938 MILTON CITY, OREGON Test made Fairbanks, Morse Turbine Pump Pump #32523, Seattle No. 7310 6 Stage 12" Imp. -747-E Fig 6920 - 1750 R.P.M. Outside column 9" O.D. Length 150 ft. shaft 1-5/8" Dia. Capacity 1000 G.P.M. at Water to Water head 300 Ft. Motor Fairbanks, Morse 100 H.P. Type HSZU - 1800 R.P.M. Motor No.324047 - Fr.JL163B - 3 ph. 60 cycle 440 Volt. 118 Amps. F.Load Speed 1755 R.P.M. Test Data:-Pump Started at 2:55 P.M.; Stopped at 5:30 P.M. Length of air line below pump floor level 177' + 5'7" =182'7" Draw down gauge before pumping = 37 lbs. = 85.5 ft. Pumping at no pressure on discharge. Draw gauge 10# = 23.1 Ft. Pumping level 140 Ft. Capacity thru 9.5" orifice in 12" O.D. Pipe 10" = 1400 G.P.M. K. W. demand at power 1 mile distance 90 K.W. X 1.34 = 1201 H.P. Discharge pressure 30# = 69.3 Ft. Draw down gauge reading 14# = 32.25 Ft. Capacity thru 9.5" orifice 8" = 1200 G.P.M. Discharge pressure 50# = 115.5 Ft. Draw down gauge 10 lbs = 30.98 Ft. Discharge thru 9.5" orifice 7" = 1150 G. P. M. Motor Speed 1762 - 1775 - 1760 R.P.M. Motor In Put 127 Amps - 121 - 125 - P.Factor 90% Discharge pressure 80 lbs. = 184.8 Ft. Draw down gauge = 21 lbs. = 48.5 Ft. Discharge thru 9.5" orifice 5-1/4" = 1000 G.P.M. NE3EIVE Motor Speed 1752 - 1754 - 1760 R. P. M. Motor In Put 125 Amps - 124 - 122. P. Factor 88% STATE BLG.

•	UMAI	3961 Umatilla		5N/35-12F()
		Board of Health	-	
	REPORT OF MINERAL	ANALYSIS OF	WATER	
Location of	source Hilt-Frankler	Description of source	41	
Analysis by	MP Date 11/10/03	Collected by	Date	5/25/5
	RE:	SULTS	·	·. •
	Turbidity	Faute nar m	<u>11(()0n</u>	· · ·
	Color: Apparent	True 3		-
	Odor: Hot	Cold		<u> </u>
	Total Solids	U		<u>.</u> .
	Loss on Ignition			÷
	Silicon (SiO ₂)			
	Chloride (Cl)			*
	Sulfate (SO ₄)			• •
	Calcium (Ca)	·	5 	
	Magnesium (Mg)	**** ********************************	2	
	Aluminum (Al)		•	
	Orthophosphates (PO ₄)	,	10	-
	Metaphosphates (PO ₃)6			
)	Alkalinity (as CaCO ₂); Carbo			
		bonate 78		
	Hardness (as CaCO ₃)	(j	· · · · · ·	
	Sodium and Defon time (as N			
	Iron (Fe)			
	Manganese (Mn)			
	Fluoride (F))	
	Carbon Dioxide (CO ₂)		5	
	pH 7.9	•		
	Remarks	• •	4 <u>.</u>	

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STATE ENGINEER Salem, Oregon

State	Well No.	<u>5N/35-1</u>	2F(1)	
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County UMATILLA

Application No.

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Water Level Record

OWNER: MILTON FREEWATER OWNER'S NO. # 1

Description of measuring point:

Date	Water Level Feet (alaxys) Feet (below) Land Surface	DATE	WATER	Date	Water Level Feet (allow) Land Surface	DATE	WATER
- 28-37	85.5	(- 55	145	4 - 57	:40	10 - 59	Ing 193
	107	8	149	8	160		164
		9		9			
5 - 52	136		140		165	12	165
-15-54	137	10	139	10	160	1-60	168
- 30	136	11	142		156	2	174
<u>+</u>	138	12	140	12	158	3	186
5	135	2 - 56	140	1-58	/55	4	165
6	145	3	138	3	155	5	170
7	147	4	145	4	153	6	175
Ą	136	5	142	5	155	7	183
10	132	7	151	8	165	8	180
//	125	8	154	10	150	9	176
ī č	132	9	155	11	157	10	174
1 - 55	135	. 10	. 150	12	150	11	173
2	132	11	148	3 - 59	145	1- 61	169
3	134	12_	145	4	150	2	182
4	134	1 - 57	148	8	164	4	195
5	134	2	/47	9	173	5	190
REMARKS	:						
		المراجع المالة موج على الحار المراجع من م الية المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع ا				·····	·····
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			State Pri	nting 89314			·4 F

STATE ENGINEER Salem, Oregon

State	Well	No.	5N/	35-1	2F(1)
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County UMATICLA

Application No.

Water Level Record

OWNER: MILTON FREENATER OWNER'S NO. #1

Description of measuring point:

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Date	Water Level Feet (Inove) Land Surface	Remarks	Date	Water Level Feet (above) Feet (below) Land Surface	Remarks
6 - 61	182		4-20-64	181	
1	180		5-18	183	
1]	170		6-15	196	
2	172		7-13	205	· · · · · · · · · · · · · · · · · · ·
1-62	190		8-24	204	
12	188		9-21	205	
1-63	200		10-26	202	
2	200		12-28	193	
3	200				
4	204				
5	195				
6	207				
0-28	200				· · · · · · · · · · · · · · · · · · ·
1-20	19.3				
2-2	194				
-13-64	188				
2-24	185		·····		and the second state of th
3-17	210				
REMARKS	•				