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WATER RESOURCES DEPT
SALEM, OREGON

Attachment 2

Well Logs

Transfer Application for Certificate 83916

T 11107

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 1953
 ENGINEER
 SALEM, OREGON

File

UMAT
 4277

Application No. U 490
 Permit No. U 442
 Well No. 2
 6N/35-17M(1)
 UMATILLA CO

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)

CARL Burggtoff

Date of Report 5/12, 1953

1. Location of well: 1388.5' N 0.5W corner of Section 17 Twp. 6N Rgs. 35, W. M.
2. Name of nearest natural surface stream East Branch Mud Creek
3. Distance from well to that stream: 1/2 mile 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: _____ feet.
5. Date of beginning drilling or digging. Dec. 9 1951
6. Date well was completed Oct. 1952

LOG OF MATERIALS ENCOUNTERED

Character of Material	Depth at which encountered	Thickness of stratum
<u>Top Soil</u>	<u>At surface</u>	<u>25</u> ft.
<u>Gravel</u>	<u>25</u> ft.	<u>100</u> ft.
<u>Sand</u>	<u>125</u> ft.	<u>10</u> ft.
<u>Rock</u>	<u>133</u> ft.	<u>10</u> ft.
<u>Gravel</u>	<u>143</u> ft.	<u>20</u> ft.
<u>Sand - Clay mixture</u>	<u>165</u> ft.	<u>100</u> ft.
	ft.	ft.
	ft.	ft.
	ft.	ft.

Remarks: _____

WELL INFORMATION

8. Diameter of well 12 inches. Depth of well 265 feet.
9. Depth at which water was first encountered 45 feet.
10. Water level when completed: 45 feet below ground surface.
11. Additional information regarding well; such as soil conditions, quick sand, caves, obstructions, rock, etc.: Volcanic Ash
Water Level - 60' Below L.S.G. (11-9-61)

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PUMP INFORMATION

12. Manufacturer of pump: Johnston Pump Co.
 13. Address: Los Angeles
 14. Data on name or base plate: W. J. 3891
 15. Data on pump bowl assembly: _____
 16. Size of pump: 6"
 17. Rated capacity: 500 gallons per minute.
 18. Rated speed: 1800 revolutions per minute.
 19. Number of stages: 10
 20. Size of intake pipe: 6"
 21. Size of discharge pipe: 6"
 22. Length of intake pipe: 150'
 23. Length of discharge pipe: 6'
 24. Suction lift, (difference in elevation between water surface in well and pump) 45 to 110
 25. Discharge lift, (difference in elevation between pump and end of discharge line) 70'
 26. Depth of pump intake below ground surface: 130 feet.
 27. Remarks: _____

MOTOR OR ENGINE INFORMATION

28. Name of manufacturer: U. S. Elec. Motors Inc.
 29. Address: _____
 30. Type of motor or engine: Elec. Turbine
 31. Data on name or base plate: 60 cycles - 40°C Rating
74 amps - 3 phase
EFU Type
NRR
 32. Rated horsepower: 30
 33. Rated speed of motor or engine: 1800 revolutions per minute.

34. Rated Capacity of Pump (with described motor)

g.p.m. at	ft. head
g.p.m. at	ft. head
g.p.m. at	ft. head
g.p.m. at	ft. head
<u>400</u> g.p.m. at	<u>270</u> ft. head

35. Remarks: _____

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CAPACITY TEST

36. Date of test: Feb. 1952 ^{to Sept. 1952}
 37. Temperature of water 49°F. or ___°C.
 38. Motor speed during test: 1750
 39. Test made by (weir, tank or other means): Orifice

Pounds pressure	TOTAL HEAD	*Total lift in feet	Gallons per min.	*Feet to water level	*Draw-down	+Time
65 lbs.	Gauge at pump	Total 45 ft. in.	250	45 ft.	15 ft.	15 M.
65 lbs.	Gauge at pump	Total 45 ft. in.	275	50 ft.	5 ft.	15 M.
65 lbs.	Gauge at pump	Total 60 ft. in.	300	60 ft.	15 ft.	15 M.
65 lbs.	Gauge at pump	Total 60 ft. in.	325	60 ft.	15 ft.	15 M.
65 lbs.	Gauge at pump	Total 80 ft. in.	350	80 ft.	35 ft.	30 M.
65 lbs.	Gauge at pump	Total 110 ft. in.	400	110 ft.	65 ft.	60 M.
65 lbs.	Gauge at pump	Total 130 ft. in.	475	130 ft.	85 ft.	15 M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.
___ lbs.	Gauge at pump	Total ___ ft. in.		___ ft.	___ ft.	___ M.

- * Difference in elevation between water level in well and outlet of pump test line.
 * Distance from ground level to water surface in well.
 * Distance water level is lowered during time interval.
 + Hour and minute at which observation was made.

41. Installation will work efficiently under normal head of ___ ft.
 42. Water is discharged into: Aluminum Pipe
 43. Was water lowered to pump intake by test? Yes
 44. Remarks: Well was tested at open discharge at well.

GENERAL INFORMATION

45. Name of contractor or other party who drilled or dug well: Heitshuman Bros. Address: Princeton, Ore
 46. Pump and motor were installed by: Lott Supply Co. Address: Walla Walla Wash.
 47. Capacity test was made by: Lott Supply + Heitshuman Bros. Address: Bros.
 48. General remarks: Well tested at completion + again at start of pumping season

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WATER RESOURCES DEPT
SALEM, OREGON

AMMATED 54461

STATE OF OREGON
WATER SUPPLY WELL REPORT

WELL ID. # L 41955
START CARD # W130327

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

(1) LAND OWNER Well Number _____
Name Mike Lucy
Address 51686 StateLine Rd
City Milton-Freewater State OR Zip 97132

(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 127 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
10"	0 20'	Bedmilt	0 50'	120	200
6"	20' 127'				

How was seal placed: Method A B C D E
 Other grout

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

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 6"	21'	74'	230	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 5"	66'	127'	250	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
Final location of shoe(s) 74

(7) PERFORATIONS/SCREENS:
 Perforations Method Skull Saw
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
66'	127'	1/8" x 7/16"	13/2	5"	20"	<input type="checkbox"/>	<input checked="" type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gal/min 25 Drawdown 1' Drill stem at _____ Time _____
Temperature of water 58° Depth Artesian Flow Found _____
Was a water analysis done? NO Yes By whom _____
Did any strata contain water not suitable for intended use? NO Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL, by legal description:
County Umatilla Latitude _____ Longitude _____
Township 6 or S Range 35 or W. WM.
Section 17 SW 1/4 114 1/4
Tax Lot 602 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 51686 STATELINE ROAD
Milton-Freewater OR 97132

(10) STATIC WATER LEVEL:
43 ft. below land surface. Date 2-14-02
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 75'

From	To	Estimated Flow Rate	SWL
75'	127'	30-35 gpm	43'

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
20' ss - 100% silt	0	5	
cobbles - 29	5	2	0
clay Brown cobbles - sm	22	30	0
cobbles - 12' - 15' dia	30	32	0
cobbles - sm. Fine	32	45	0
cobbles - sm - sand coarse	45	65	0
cobbles - 12' dia clay 1/2"	68	127	73

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SALEM, OREGON

Date started 2-6-02 Completed 2-14-02

(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.
Signed _____ WWC Number _____ 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.
Signed Shawn H. Harding WWC Number 1587 Date 2-14-02

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UMAT 54461

FEB 21 2002

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # 41955
START CARD # 4138327

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

(1) LAND OWNER Well Number _____
Name Mike Lucat
Address 51686 Stateline Rd
City Milton Freewater State OR Zip 97862

(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 127 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
10"	0	20'	Best mix	0	20'	250 @ 165
6"	20'	127'				

How was seal placed: Method A B C D E
 Other poured
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6"	21'	74'	2.50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	5"	66'	127'	2.50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
Final location of shoe(s) 74'

(7) PERFORATIONS/SCREENS:

Perforations Method Skull Saw
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
66'	127'	1/8 x 7'	312	5"	20'	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Flowing Time
25	1'		1 hr.

Temperature of water 58° Depth Artesian Flow Found _____
Was a water analysis done? NO Yes By whom _____
Did any strata contain water not suitable for intended use? NO Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Umatilla Latitude _____ Longitude _____
Township 6 or S Range 35 or W. WM.
Section 35C SW 1/4 NW 1/4
Tax Lot 600 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 83926 Highway 339
Milton Freewater OR 97862

(10) STATIC WATER LEVEL:
43 ft. below land surface. Date 2-14-02
Artesian pressure _____ lb per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 75'

From	To	Estimated Flow Rate	SWL
75'	127'	30-35 gpm	43'

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
Loess-Topsail	0	5	0
cobbles-Lg	5	22	0
clay Brown cobbles-sm	22	30	0
cobbles-med-clay th.	30	32	0
cobbles-sm. Fine	32	45	0
cobbles-sm. sand coarse	45	68	0
cobbles-med clay th.	68	127	43'

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SALEM, OREGON

Date started 2-6-02 Completed 2-14-02

(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.
Signed _____ WWC Number _____
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.
Signed Heed Harding WWC Number 1589
Date 2-14-02