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AMENDED

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

APR 10 1998

WATER RESOURCES DEPT. SALEM, OREGON

(START CARD) # 104104

(1) OWNER: Hale Farms Name, Address PO Box 110, City Hermiston, State OR, Zip

(2) TYPE OF WORK: Deepen

(3) DRILL METHOD: Rotary Air

(4) PROPOSED USE: Irrigation

(5) BORE HOLE CONSTRUCTION: Depth of Completed Well 2210 ft.

Table with columns: HOLE Diameter, SEAL Material, Amount sacks or pounds. Row 1: 14, 100, 674, cement, 400, 674, 20,000#

How was seal placed: Method D, Backfill placed from, Gravel placed from

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded

(7) PERFORATIONS/SCREENS:

Table for perforations/screens with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner

(8) WELL TESTS: Minimum testing time is 1 hour. Yield gal/min 3000est, Drawdown N/A, Drill stem at 2210, Time 1 hr.

Temperature of water 77degrees, Depth Artesian Flow Found, Was a water analysis done?

(9) LOCATION OF WELL by legal description: Umatilla County, Township 3N, Range 29E, Section 12, NW 1/4, NW 1/4, Tax Lot 3600, Street Address of Well (or nearest address) NW of Stage golch & I-84 Junction

(10) STATIC WATER LEVEL: 164.6 ft. below land surface, Date 4-2-98

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Rows: 1690-1868, 2004-2050, 2157-2167

(12) WELL LOG: Table with columns: Material, From, To, SWL. Rows: 8" to 10", Basalt med hard fractures, Basalt hard black, basalt med hard fractures, basalt hard fractures h2o, basalt very hard, basalt med hard, basalt med hard, basalt hard, basalt hard fracture H, basalt med red H2O, basalt med hard black, Basalt very hard black, basalt red med soft H2O, basalt med hard fracture, basalt hard black

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WATER RESOURCES DEPT. SALEM, OREGON

WATER RESOURCES DEPT. SALEM, OREGON

Date started 2-7-97 Completed 4-2-98

(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 well construction standards.

Signed Steve Zimmerman, WWC Number 1620, Date 4/3/98

(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.

Signed, WWC Number, Date 4/5/98

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id# 7

(START CARD) # 104104

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765) WATER RESOURCES DEPT.

SALEM, OREGON
Well Number: 7

(1) OWNER: Hale Farms
Name Hale Farms
Address PO Box 110
City Hermiston State OR Zip _____

(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 _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No
Explosives used Yes No
Depth of Completed Well 2210 ft.
Type _____ Amount _____

HOLE		SEAL		Amount
Diameter	From To	Material	From To	sacks or pounds
14	100 674	cement	400 674	20,000#

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

Casing/Liner	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
Casing:	123/4	+1	674	3/8	XX		X	
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
						<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
 Pump Bailer Air Artesian
Yield gal/min 3000est Drawdown N/A Drill stem at 2210 Time 1 hr.

Temperature of water 77degrees 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 Umatille Latitude _____ Longitude _____
Township 3N Nor S. Range 29E E or W, WM.
Section 12 NW 1/4 NW 1/4
Tax Lot 3600 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) NW of Stage golch & I-84 Junction

(10) STATIC WATER LEVEL:
164.6 ft. below land surface. Date 4-2-98
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
1690	1868		
2004	2050		
2157	2167		

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
8" to 10"	847	1281	
Basalt med hard fractures	1281	1534	
Basalt hard black	1534	1656	
basalt med hard fractures	1658	1690	
basalt hard fractures h2o	1690	1868	
basalt very hard	1868	1903	
basalt med hard hard	1903	1928	
basalt med hard	1928	1983	
basalt hard	1983	2004	
basalt hard fracture H2O	2020	204 2028	
basalt med red H2O	2028	2050	
basalt med hard black	2050	2082	
Basalt very hard black	2082	2157	
basalt red med soft H2O	2157	2167	
basalt med hard fracture	2167	2185	
basalt hard	2167	2210	

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FEB 25 1999

WATER RESOURCES DEPT
SALEM, OREGON

WATER RESOURCES DEPT
SALEM, OREGON

Date started 2-7-97 Completed 4-2-98

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed Steve Zimmerman WWC Number 1620 Date 4/3/98

(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 well construction standards. This report is true to the best of my knowledge and belief.
Signed [Signature] WWC Number 720 Date 4/5/98 723