

Water Right Conditions
Tracking Slip

Groundwater/Hydrology Section

FILE # G 15898

ROUTED TO: WATER RIGHTS

TOWNSHIP/

RANGE-SECTION: 39 S / 1 E - 24

CONDITIONS ATTACHED? yes no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: DOUG W.

TO: Water Rights Section

April 29, 2003

FROM: Ground Water/Hydrology Section Douglas Woodcock

Reviewer's Name

SUBJECT: Application G- 15898 Supersedes review of _____

Date of Review(s)

PUBLIC INTEREST PRESUMPTION; GROUNDWATER

OAR 690-310-130 (1) *The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525.* Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. **This review is based upon available information and agency policies in place at the time of evaluation.**

A. GENERAL INFORMATION: Applicant's Name: John Weisinger

A1. Applicant(s) seek(s) 0.22 cfs from 1 well(s) in the Rogue Basin, Tolman subbasin Quad Map: Ashland

A2. Proposed use: Irr, Comm, Frost, Pond Seasonality: Comm is year-round, otherwise seasonal

A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, example: 2250' N, 1200' E fr NW cor S 36
1	JACK 20515	BEDROCK	0.22	39S/1E-24 SW NW	1370' S, 130' E fr NW cor S 24
2					
3					
4					
5					

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval	Casing Intervals	Liner Intervals	Perforations Or Screens	Well Yield	Draw Down	Test Type
1	2235	155	24	2/18/88	161	0-18	0-18	-1-161	100-160	100		A

Use data from application for proposed wells.

A4. Comments: **Well elevation was taken from GEOHYDROLOGIC STUDY AND PUMP TEST REPORT, CLEAR SPRINGS RESORT, FERERRO GEOLOGIC, 1994. This study conducted an aquifer test for the area and utilized the Weisinger well (JACK 20515) as an observation point for the 72-hour test. JACK 20515 is developed in sandstone of the Hornbrook Fm. The beds dip to the NE about 22° from horizontal.**

A5. Provisions of the Rogue Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water are, or are not, activated by this application. (Not all basin rules contain such provisions.)

Comments: _____

A6. Well(s) # _____, _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction. Name of administrative area: _____

Comments: _____

B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130 (b) (c)

B1. Based upon available data, I have determined that ground water for the proposed use:

- a. is over appropriated, is not over appropriated, or cannot be determined to be over-appropriated during any period of the proposed use;
- b. will not or will likely be available in the amounts requested without injury to prior ground water rights;
- c. will not or will likely to be available within the capacity of the ground water resource; or
- d. will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource:
 - i. The permit should contain condition #(s) 7B, 7C April;
 - ii. The permit should be conditioned as indicated in item 2 below.
 - iii. The permit should contain special condition(s) as indicated in item 3 below;

- B2. a. Condition to allow ground water production from no deeper than _____ ft. below land surface;
- b. Condition to allow ground water production from no shallower than _____ ft. below land surface;
- c. Condition to allow ground water production only from the _____ ground water reservoir between approximately _____ ft. and _____ ft. below land surface;
- d. Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.

Describe injury –as related to water availability– that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc): _____

B3. Ground water availability remarks: The Clear Springs aquifer test demonstrated the confined nature of the deep sandstone and the interference that can propagate out from a pumping well. To date, interference between wells does not appear acute or substantial. This local area does have above average well yields but is surrounded by lower yielding wells. There are several low-yield wells in Crowson Rd area, roughly ~2000 ft to the north. Several of them have been deepened. One of the wells on Crowson Rd (JACK 20429) has been deepened to 642 feet. That well experienced a nine-foot drawdown in response to the Clear Springs' well test. Though both JACK 20429 and the Weisinger well (JACK 20515) are equidistant from the Clear Springs well, the Weisinger well saw no apparent drawdown during the test (Ferrerro, 1996).

Water level data from the Weisinger well and one of the Clear Springs' dedicated observation wells shows GW storage in the aquifers fluctuates with annual precipitation. The Weisinger well is a used well and shows greater fluctuation over time. Evidence of interference is not evident as only a few measurements are taken each year. The Clear Springs is a flowing artesian well and shows less than 10 feet of seasonal fluctuation but has a regular summertime interference of 3-4 ft. This interference is not considered substantial. Both wells show a good response to the wet spring of 2003 after 2 years of lesser rainfall.

In general the area can be summed up as low ground water storage, mixed well yields, and water levels oscillating in response to annual precipitation.

References: GRID-Web; USGS 7.5 min Ashland Quad 1983 provisional; Geohydrologic Study And Pump Test Report, Clear Springs Resort, Ferrero Geologic, 1994; WRIS; Geologic Map of the outcrop area of the Hornbrook Formation, Oregon and California, Nielsen, et al, 1983

C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. **690-09-040 (1):** Evaluation of aquifer confinement:

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
1	Marine sandstone of the Hornbrook Fm.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer confinement evaluation: Aquifer test at the Clear Springs property next door.

C2. **690-09-040 (2) (3):** Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Tolman Cr	2211	2150	1200	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	2	Clayton Cr	2211	2040	3700	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	3	Neil Cr	2211	1950	3800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>	<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"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Basis for aquifer hydraulic connection evaluation: Little information is available regarding the connection between local SW and GW. The Clear Springs test showed that drawdown could occur on the other side of Tolman Cr from the pumping well. But this does not necessarily imply connection with the stream. The aquifer in this vicinity is an inclined fractured sandstone beneath a less permeable sandstone, and the SW connection could be nonexistent to strong, depending on the pervasiveness of the fracture system. Given the uncertain nature of the local hydraulic connection it is difficult to make the call, with a good degree of confidence, that the connection is within ¼ mile and thus assumed PFSI. Well logs along Tolman Cr indicate first water found is fairly deep. In contrast, there are wells along Neil Cr that indicate water was located at a very shallow depth. Neil Cr is the more down-gradient stream in the area. Neil Cr is the likely gaining stream due to the lower elevation, both topographically and hydrologically.

C3a. **690-09-040 (4):** Evaluation of stream impacts for each well that has been determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. If Q is not distributed by well, use full rate for each well. If modeled, include description and model parameters in Comments (C3b). Any checked box indicates the well is assumed to have the potential to cause substantial interference with surface water.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
1	3	<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"/>
		<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"/>
		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be **hydraulically connected and less than 1 mile** from a surface water source. **Complete only if Q is distributed among wells.** Otherwise same evaluation and limitations apply as in C3a above.

SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
	<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"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: There are no instream rights or calculated flows for any of the streams within one mile of the well.

C4a. **690-09-040 (5):** Estimated impacts on surface water sources as percent or qualitative fraction* of proposed pumping rate. Limit evaluation to one year of pumping.

Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL
1	2	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL
1	3	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL	VL

*VL = Very Low (<5%), L = Low (5-25%), I = Intermediate (25-75%), H = High (>75%).

Basis for impact evaluation: This is an estimate of timing and impact on the nearby streams. It is not anticipated that interference would be observed within the first year of pumping.

C4b. **690-09-040 (5):** Evaluation of paragraphs under subsection 5. A determination of **Low** denotes no connection or a very indirect connection between surface water and ground water; **High** denotes hydraulic connection that would likely reduce surface water availability in the first year of pumping. Do not equate "Low" and "High" between C4a and C4b.

- (a) The potential to reduce surface water availability in Tolman Cr is **Low** or **High**
- The potential to reduce surface water availability in Clayton Cr is **Low** or **High**
- The potential to reduce surface water availability in Neil Cr is **Low** or **High**
- The potential to reduce surface water availability in _____ is **Low** or **High**

Basis: See above C4a

(b) **The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.**

C4b. 690-09-040 (5):. Evaluation of paragraphs under subsection 5 continued.

(c) The **percentage** of appropriation in the first year of use that will be at the expense of surface water <5% %

Basis: See C4a

(d) The timing of interference will be **immediate** (within one year), or **delayed**;

Basis: Interference will occur in the basin. It is just that the connection is likely so low that the impact will occur over an extended period of time.

(e) The potential for cumulative adverse impacts: A graphical distribution of POAs and summary of permitted rights **are** or **are not** available at this time of review.

Impacted stream	Impacted basin or sub-basin	Existing Ground Water Rights (cfs)

Comments: _____

C5. **If properly conditioned**, the surface water source(s) can be adequately protected from interference, and/or ground water use under this permit can be regulated if it is found to substantially interfere with surface water:

- i. The permit should contain condition #(s) 7B;
- ii. The permit should contain special condition(s) as indicated in "Remarks" below;
- iii. The permit should be conditioned as indicated in item 6 below;

C6. **If the well is not reconstructed**, it will interfere with surface water. Well reconstruction, as follows, will adequately protect surface water from interference. If the ground water use under this permit is found to have the potential for substantial interference with surface water, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.:

The well should be reconstructed as follows: _____

C7. **SW / GW Remarks** _____

D. WELL CONSTRUCTION, OAR 690-200

D1. Well #: _____ Logid: _____

D2. **THE WELL does not meet current well construction standards based upon:**

- a. review of the well log;
- b. field inspection by _____;
- c. report of CWRE _____;
- d. other: (specify) _____

D3. **THE WELL construction deficiency:**

- a. constitutes a health threat under Division 200 rules;
- b. commingles water from more than one ground water reservoir;
- c. permits the loss of artesian head;
- d. permits the de-watering of one or more ground water reservoirs;
- e. other: (specify) _____

D4. **THE WELL construction deficiency is described as follows:** _____

D5. **THE WELL** a. **was, or** **was not** constructed according to the standards in effect at the time of original construction or most recent modification.

b. I don't know if it met standards at the time of construction.

D6. **Route to the Enforcement Section.** I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

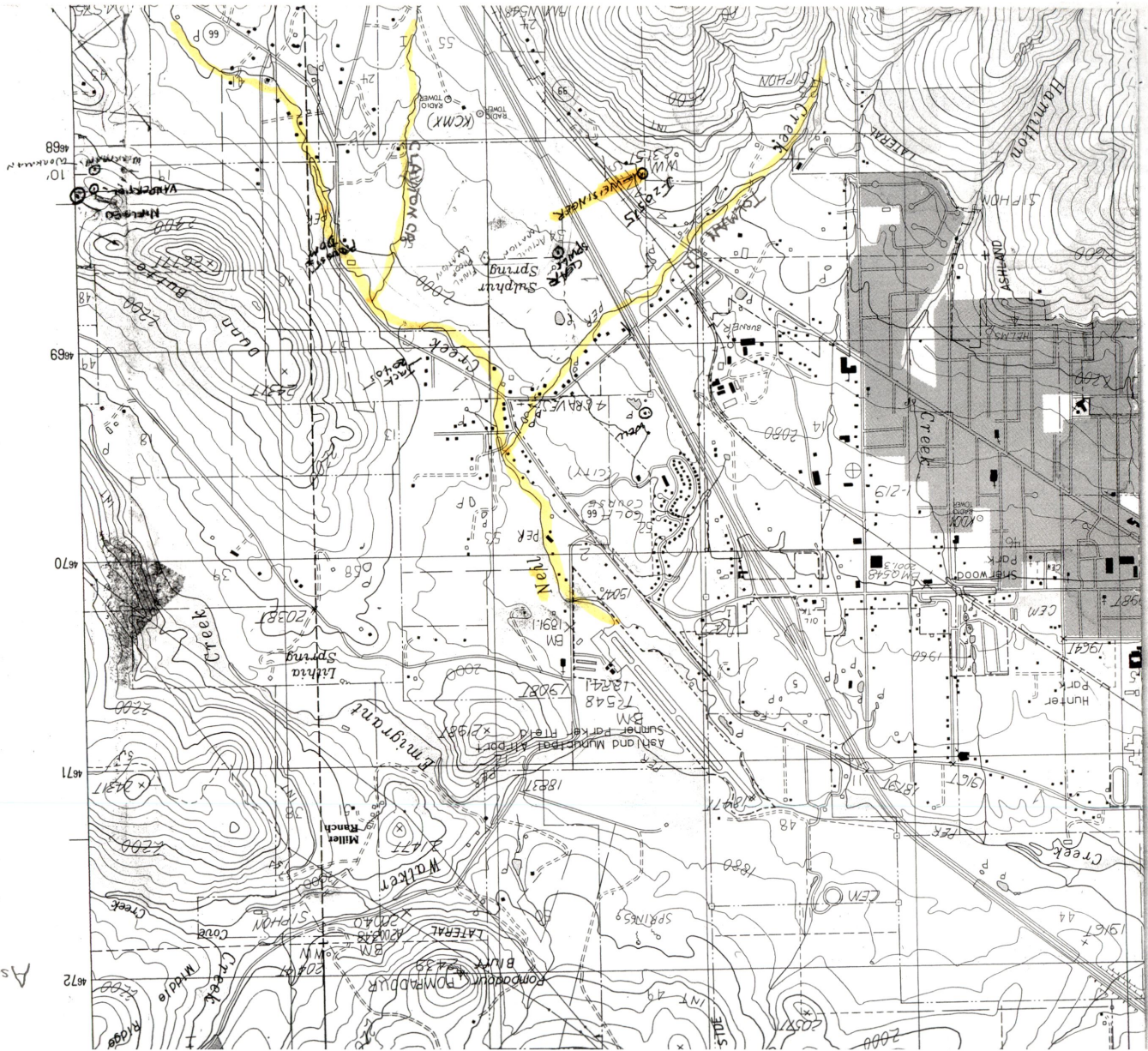
D7. Well construction deficiency has been corrected by the following actions: _____

_____, 200_____.

(Enforcement Section Signature)

D8. **Route to Water Rights Section (attach well reconstruction logs to this page).**

Ashtand Quad



RECEIVED

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

MAR 17 1988

Jack
20515

39E/1E-23

(1) OWNER: WATER RESOURCES DEPT

Name John Weisinger
Address 3150 Siskiyou Blvd
City Ashland State OR Zip 97502

(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 Depth of Completed Well 161 ft.
Refrigerants used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
10	0	18	cement	0	18	8 sacks
6	18	161				

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:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
6	+2	18	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	-7	161	.250	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method skill saw
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
100	160	6"	100	1/8		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100		160	1 hr.

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 Jackson Latitude _____ Longitude _____
Township 39 N or S, Range 1e E or W, WM.
Section 23 1/4 1/4
Tax Lot 2700 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) same

(10) STATIC WATER LEVEL:

24 ft. below land surface. Date 2-18-88
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 155

From	To	Estimated Flow Rate	SWL
155	156	100	24

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
soil, red	0	3	
clay, brown	3	5	
sandstone, brown	5	11	
" , green	11	31	
" , brown	31	35	
" , white	35	53	
" , grey	53	62	
" , blue	62	66	
" , white	66	70	
" , brown	70	71	
" , white	71	155	
" , blue, fractured	155	157	24
" , blue	157	161	

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DEC 16 2002
WATER RESOURCES DEPT
SALEM, OREGON

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DEC 26 2002
WATER RESOURCES DEPT
SALEM, OREGON

Date started 2-17-88 Completed 2-18-88

(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 Frank Canova WWC Number 1432
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 well construction standards. This report is true to the best of my knowledge and belief.

Signed John Studebaker WWC Number 674
Date _____

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

JACK
 1431

1400 Arnold Lane
 Medford, Oregon 97301

395/1E/K
 44980

(START CARD) # 44980

(1) OWNER: Well Number _____
 Name Dom Provost
 Address 4224 Highway 66 S
 City Ashland State Ore Zip 97520

(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 Depth of Completed Well 300 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
12	0	18	cement	0	18	24sacks
6	18	300				

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:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 8	+2	18½	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: 6	-3	300		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 18½'

(7) PERFORATIONS/SCREENS:

Perforations Method saw
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
160	300	6	613	1/8	6	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
200-300 gpm		298	1 hr.

Temperature of Water 57 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 Jackson Latitude _____ Longitude _____
 Township 39S N or S. Range 1E E or W. W
 Section 24 ¼ _____ ¼ _____
 Tax Lot 101 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) _____
same as #1

(10) STATIC WATER LEVEL:
flow ft. below land surface. Date 8/15/92
 Artesian pressure 3 lb. per square inch. Date 8/15/92

(11) WATER BEARING ZONES:
 Depth at which water was first found 170'

From	To	Estimated Flow Rate
170	300	200-300

(12) WELL LOG: Ground elevation _____

Material	From	To
Adobe, top soil, brown	0	2
Clay, hard brown	2	10
Sandstone, gray	10	170
Sandstone, fract, gray	170	300

Date started 8/14/92 Completed 8/15/92

(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. My used and information reported above are true to my best knowledge and belief.
 Signed Frank Penada WWC Number 14 Date 8/15/92

(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 is true to the best of my knowledge and belief.
 Signed John Studabala WWC Number 67 Date 8/28/92

Jack
20429

39/1-13

NOTICE TO WATER WELL CONTRACTOR:
The original and first copy of this report are to be filed with the
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

RECEIVED
JUN 15 1965
STATE ENGINEER

WATER WELL REPORT
STATE OF OREGON
(Please type or print)

State Well No. _____
State Permit No. _____

(1) OWNER: SALEM OREGON
Name George Gamache
Address 488 Crocuson Rd.
Ashland Ore

(2) LOCATION OF WELL:
County JACKSON Driller's well number 205
1/4 1/4 Section 13 T. 39S R. 1E W.M.
Bearing and distance from section or subdivision corner _____

(3) TYPE OF WORK (check):
Well Deepening Reconditioning Abandon
andonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check): Domestic Industrial Municipal
Irrigation Test Well Other

(5) TYPE OF WELL: Rotary Driven
Cable Jetted
Dug Bored

(6) CASING INSTALLED: Threaded Welded
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

(7) PERFORATIONS: Perforated? Yes No
Type of perforator used _____
Size of perforations _____ in. by _____ in.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

(8) SCREENS: Well screen installed? Yes No
Manufacturer's Name _____
Type _____ Model No. _____
Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(9) CONSTRUCTION:
Well seal—Material used in seal _____
Depth of seal _____ ft. Was a packer used? _____
Diameter of well bore to bottom of seal _____ in.
Were any loose strata cemented off? Yes No Depth _____
Was a drive shoe used? Yes No
Was well gravel-packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____

(10) WATER LEVELS:
Static level 30 ft. below land surface Date 6-9-65
Artesian pressure _____ lbs. per square inch Date _____

(11) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " " " " "
" " " " " " "
" " " " " " "
Bailer test 5 1/2 gal./min. with 85 ft. drawdown after 1 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 58 Was a chemical analysis made? Yes No

(12) WELL LOG: Diameter of well below casing _____
Depth drilled 30 ft. Depth of completed well 120 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
<u>old Hole</u>	<u>0</u>	<u>90</u>
<u>shale choystone grey with water at 90</u>	<u>90</u>	<u>120</u>

Work started 6-7 1965 Completed 6-9 1965
Date well drilling machine moved off of well 6-9 1965

(13) PUMP:
Manufacturer's Name _____
Type: _____ H.P. _____

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Dallas S. DeLap Well Drilling
(Person, firm or corporation) (Type or print)
Address 749 Eagle Mill Rd Ashland Or.
Drilling Machine Operator's License No. 62
[Signed] Dallas S. DeLap
(Water Well Contractor)
Contractor's License No. 36 Date 6-13, 1965

The original and first copy of this report are to be filed with the

WATER WELL REPORT

State Well No. 391E-1301
State Permit No. deepened
PERWM-2-10-82 KRT new re 4

WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310
within 30 days from the date of well completion.
SALEM, OREGON

(1) OWNER:

Name RICHARD HANSEN
Address 1390 TOLMAN CR. RD
ASHLAND, OR

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Driven
Cable Jetted
Dug Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

(5) CASING INSTALLED:

4 " Diam. from 2 ft. to 301 ft. Gage CL 160
PVC CL 160 LINER
Threaded Welded

(6) PERFORATIONS:

Perforated? Yes No.
Type of perforator used SAW
Size of perforations 1/8 in. by 4-6 in.
100 perforations from 251 ft. to 301 ft.

(7) SCREENS:

Well screen installed? Yes No
Manufacturer's Name _____ Model No. _____
Type _____ Diam. _____ 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?
Field: _____ gal./min. with _____ ft. drawdown after _____ hrs.
Bailer test _____ gal./min. with _____ ft. drawdown after 1 hrs.
Artesian flow _____ g.p.m.
Temperature of water 59° Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used _____
Well sealed from land surface to _____ ft.
Diameter of well bore to bottom of seal _____ in.
Diameter of well bore below seal _____ in.
Number of sacks of cement used in well seal _____ sacks
How was cement grout placed? _____
Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County JACKSON Driller's well number 81-19
1/4 1/4 Section 13 T. 39 R. 1E W.M.
Bearing and distance from section or subdivision corner
TL 1300

(11) WATER LEVEL: Completed well.

Depth at which water was first found 133 ft.
Static level 86 ft. below land surface. Date 4-26-88
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 6
Depth drilled 178 ft. Depth of completed well 301 ft.

Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
WELL BRIDGED AT 92 FT BY DECOMPOSED & BROKEN GRANITE & BROKEN BLACK SHALE. AT 115 FT ENCOUNTERED BROKEN SHALE AND DECOMPOSED GRANITE IN AN ORANGE SILT. ORIGINAL WELL BOTTOM AT 123 FT. WELL PRODUCING APPROX 1/2 GPM AFTER 20 MIN. AIR TEST AT			
SHALE BLACK	123		
BROKEN AT 133			86
SOFT LAYERS AT 188, 199		212	86
SHALE BLACK	212		86
(SOMEWHAT STICKY COMPARED WITH PREVIOUS FORMATION) SOFT LAYERS AT 254, 272		301	

Work started 4-23 1981 Completed 4-26 1981
Date well drilling machine moved off of well 4-27 1981

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Richard Hansen Date 4-28 1981
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1364

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name STUDEBAKER Well Drilling
(Person, firm or corporation) (Type or print)
Address 4876 HWY 66 ASHLAND OR
[Signed] John Studelake
(Water Well Contractor)
Contractor's License No. 679 Date 4-28 1981

WATER WELL REPORT

RECEIVED

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310
within 30 days from the date
of well completion.

STATE OF OREGON JUN 18 1981 State Well No. 39/10-130
(Please type or print)

WATER RESOURCES DEPT Permit No. _____
(Do not write above this line)
Permit 2-10-81 RTH SW4 SW4 SALEM, OREGON deepening

(1) OWNER:
Name RICHARD HANSEN
Address 1390 TOLMAN CR RD
ASHLAND, OR
(2) TYPE OF WORK (check):
New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 12.

(10) LOCATION OF WELL:
County JACKSON Driller's well number 81-25
1/4 1/4 Section 13 T. 39 R. 1E W.M.
Bearing and distance from section or subdivision corner TL 130

(3) TYPE OF WELL: Rotary Driven
Cable Jetted
Dug Bored
(4) PROPOSED USE (check): Domestic Industrial Municipal
Irrigation Test Well Other
(5) CASING INSTALLED: PVC CLASS 100
Threaded Welded
4 " Diam. from -1 ft. to 642 ft. Gage CL 100
" Diam. from _____ ft. to _____ ft. Gage _____
" Diam. from _____ ft. to _____ ft. Gage _____

WELL AT 488 CROWSON RD, ASHLAND
(11) WATER LEVEL: Completed well.
Depth at which water was first found 345 ft.
Static level 11 ft. below land surface. Date 5-18-8
Artesian pressure _____ lbs. per square inch. Date _____

(6) PERFORATIONS: Perforated? Yes No.
Type of perforator used SAW
Size of perforations 1/8-3/16 in. by 3-5 in.
32 perforations from 626 ft. to 642 ft.
13 perforations from 481 ft. to 489 ft.
13 perforations from 389 ft. to 409 ft.
27 perforations from 153 ft. to 173 ft.

(12) WELL LOG: Diameter of well below casing 6
Depth drilled 341 ft. Depth of completed well 642 ft.
Formation: Describe color, texture, grain size and structure of materials and show thickness and nature of each stratum and aquifer penetrated with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

(7) SCREENS: Well screen installed? Yes No
Manufacturer's Name _____ Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

MATERIAL	From	To	SWL
SANDSTONE FINE GRAY WITH BLACK GASTR RIBS AT 345, 388, 399, 430	301		11
SANDSTONE FINE GREEN WITH RIBS OF BROWN SHALE	440	460	
SILTSTONE GRAY LAMINATED WITH GREEN SHALE	460	504	
SANDSTONE FINE GREEN WITH RIBS OF BROWN SHALE & BROWN SILTSTONE	504	612	11
SANDSTONE FINE GRAY LAMINATED WITH DARK GRAY	612		
SILTSTONE		623	
SANDSTONE FINE GREEN LAMINATED WITH BROWN SHALE AND SILTSTONE	623	642	

(8) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom?
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " " " "
" " " " " "
AIR test 2 3/4 gal./min. with 641 ft. drawdown after 1 hrs.
Artesian flow _____ g.p.m. _____
Temperature of water 59° Depth artesian flow encountered _____ ft.

* DRILLING COMPLETED AND RIG MOVED 5-16-81 MOVED BACK ON TO SET LINER ON 5-19-81
Work started 5-14 1981 Completed 5-19 1981
Date well drilling machine moved off of well 5-16 1981

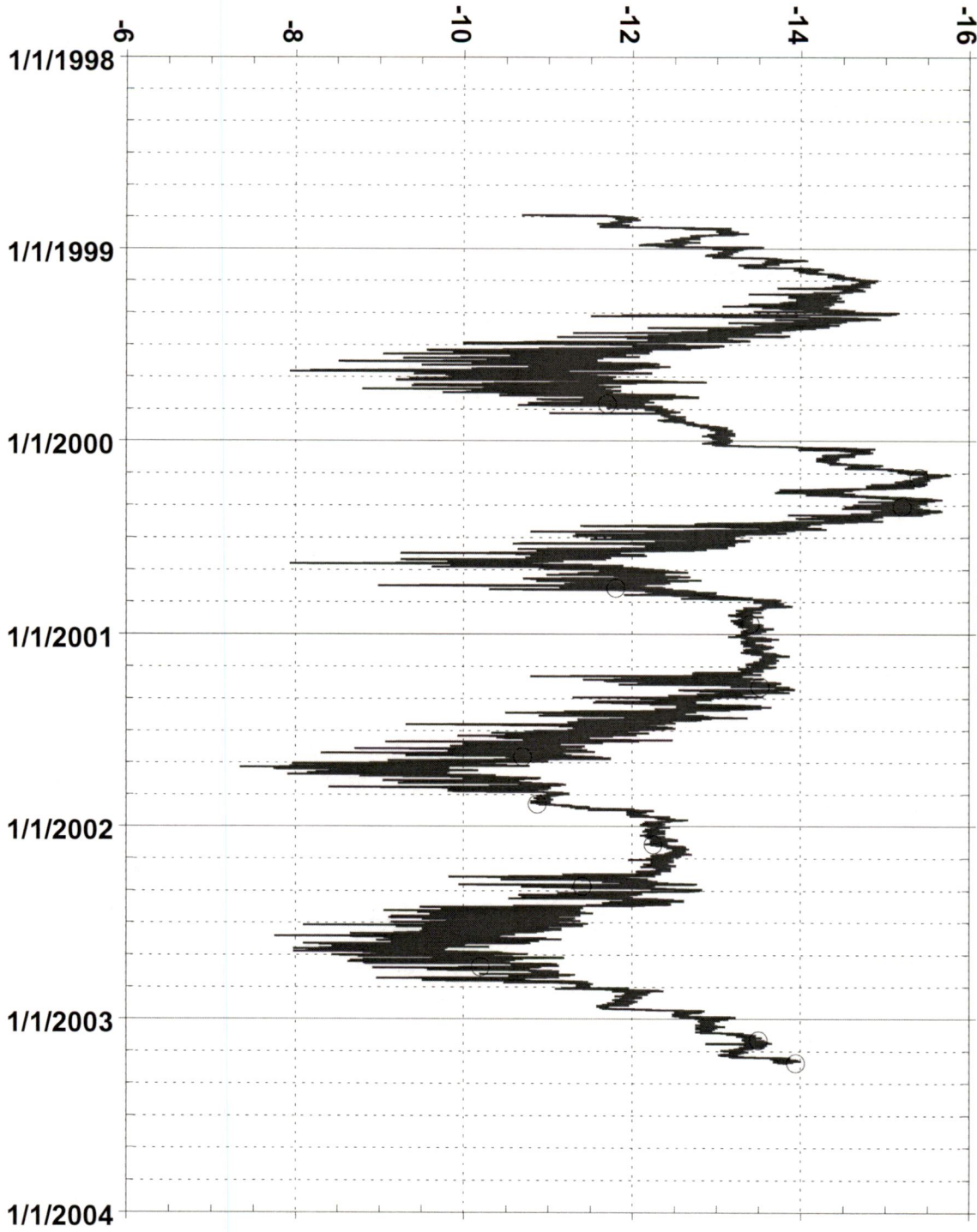
(9) CONSTRUCTION:
Well seal—Material used _____
Well sealed from land surface to _____ ft.
Diameter of well bore to bottom of seal _____ in.
Diameter of well bore below seal _____ in.
Number of sacks of cement used in well seal _____ sacks
How was cement grout placed? _____

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Richard Hansen Date 5-21, 1981
(Drilling Machine Operator)
Drilling Machine Operator's License No. 1364

Was a drive shoe used? Yes No Plugs _____ Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name STUDEBAKER Well Drill
(Person, firm or corporation) (Type of print)
Address 4876 Hwy 66 Ashland
[Signed] John Studelake
(Water Well Contractor)
Contractor's License No. 679 Date 5-21, 1981

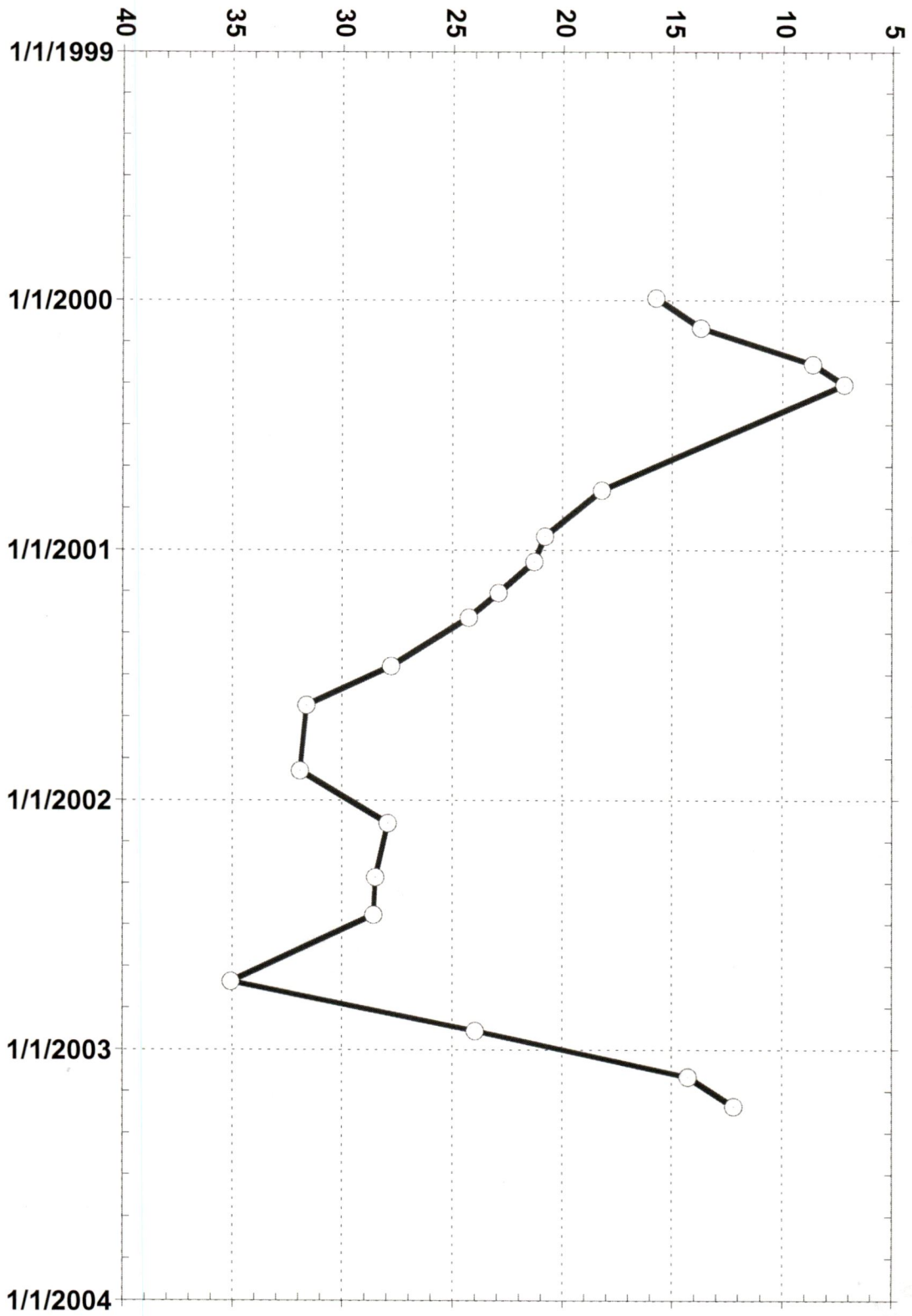
Water Level (feet above TOC)



— Corr. ft h2o atoc
○ Standpipe (ft atoc)

Provost Well nr. Ashland
39S-01E-24

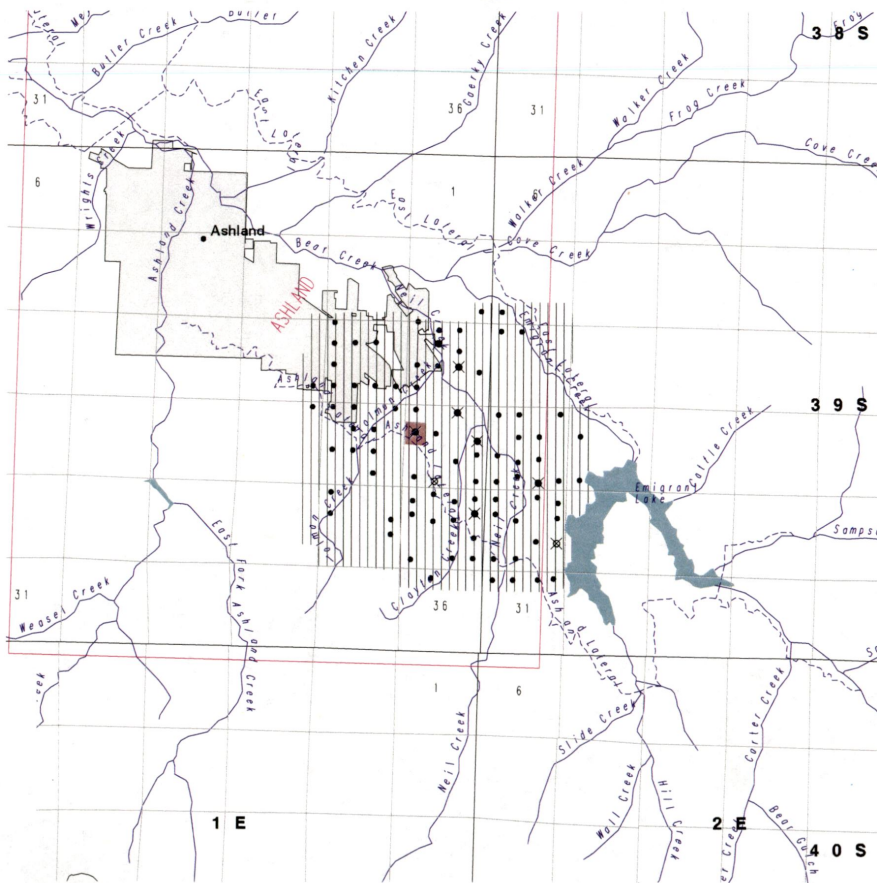
Depth To Water (feet below ground surface)



Weisinger - JACK 20515
39S-01E-Section 23 TL2700

Wells in the vicinity of application G 15898

- Application well(s) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ⊗ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- ▲ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- - - Regulated GW Area



WELL LOGS WITHIN 1 MILE OF APPLICATION G 15898

ABANDON: 6
 RECONDITIONED: 14
 REPAIRED: 8
 CONVERSION: 0
 DEEPENINGS: 40
 NEW CONSTRUCT: 324

 COMMUNITY USE: 0
 DOMESTIC USE: 372
 INDUSTRIAL USE: 2
 INJECTION USE: 0
 IRRIGATION USE: 6
 THERMAL USE: 0
 LIVESTOCK USE: 0

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 15898

\$RECNO	APPLICATION	PERMIT	CLAIM	LOC-QQ	USE_CODE
1	S 4193	S 2420		0 39.00S 1.00E13SE	IR
1	0	0		0 39.00S 1.00E13SE	IL
1	G 7377	G 6824		0 39.00S 1.00E13SE	IS
1	0	0		0 39.00S 1.00E13SE	I*
2	0	0		0 39.00S 1.00E13NW	IR
2	G 8306	G 7708		0 39.00S 1.00E13NW	IS
3	G 13287	G 13736		0 39.00S 1.00E24NW	QM
4				39.00S 1.00E24SW	
5	G 3674	G 3448		0 39.00S 1.00E24SE	IS
5	G 3674	G 3448		0 39.00S 1.00E24SE	IS
6	G 8056	G 7462		0 39.00S 1.00E24SE	IR
7	P 79713	0		0 39.00S 1.00E25SE	LV
7	G 5706	G 4954		0 39.00S 1.00E25SE	DO
7	G 5706	G 4954		0 39.00S 1.00E25SE	DO
7	G 5706	G 4954		0 39.00S 1.00E25SE	DO
8	G 7954	G 7332		0 39.00S 2.00E19SW	IR
9	G 10493	G 9482		0 39.00S 2.00E30NE	IR

NO CONDITIONED WELLS WITHIN 1 MILE OF APPLICATION G 15898

APPLICATION G 15898 FALLS WITHIN THESE QUAD(S)

ASHLAND
