Water Resources Department

MEMO JUNE 29, 2004

TO **Application G-** 15794

FROM **GW:** IVAN GALL
(Reviewer's Name)

SUBJECT **Scenic Waterway Interference Evaluation**

☒ Yes
☐ No

The source of appropriation is within or above a Scenic Waterway

☒ Yes
☐ No

Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

☒ At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

FLOW REDUCTION: *(To be filled out only if Preponderance of Evidence box is not checked)*

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO: Water Rights Section Date **June 28, 2004**

FROM: Ground Water/Hydrology Section **Ivan Gall**
Reviewer's Name

SUBJECT: Application G- **15794** Supersedes review of **September 16, 2002**
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: **Ron and Jacqueline Decker** County: **Jackson**

A1. Applicant(s) seek(s) **0.164** cfs from **2** well(s) in the **Rogue** Basin, **Constance Creek** subbasin Quad Map: **Boswell Mountain**

A2. Proposed use: **Irrigation of 13.4 acres, domestic** Seasonality: **Irrig. Mar 1- Oct 31, domestic year-round**

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

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	**JACK 3431**	**1**	**Bedrock**	**0.164**	**35S/02W-12NWSE**	**114' S, 728' E fr center S 12**
2	**Proposed**	**2**	**Bedrock**	**0.164**	**35S/02W-12NWSE**	**382' S, 278' E fr center S 12**
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 (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	**1430**	**37**	**8**	**1-29-77**	**82**	**0-19**	**0-20**	**na**	**na**	**100**	**74**	**Air**
2	**1440**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	

Use data from application for proposed wells.

A4. **Comments:** Well #2 is proposed and has not been drilled.

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, 400-010, 410-0070

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. * This finding is limited to the ground water portion of the over-appropriation determination as prescribed in OAR 690-310-130;

b. ☐ **will not** *or* ☐ **will** likely be available in the amounts requested without injury to prior water rights. * This finding is limited to the ground water portion of the injury determination as prescribed in OAR 690-310-130;

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, 7F, 7J,** ;
   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: * Require applicant to install and maintain a properly functioning, totalizing flow meter on each POA.**

The bedrock in the area is composed of upper Eocene siltstone, mudstone, sandstone, conglomerate, and coal of the Payne Cliffs Formation. The original sediments were river deposited with the provenance believed to be local. The main stem of Constance Creek west of the site has deposited older quaternary alluvium. The subject well log notes "blue claystone" from 2 to 82 feet bgs. Overlying the bedrock are 2 feet of "black soil". Well logs in the vicinity of the subject site suggest that the depth to bedrock is approximately 2 to 10 feet. Ground water appears to be encountered in fractures ranging from 30 to 150 feet bgs.

Well logs in Section 12 listed in GRID: 37 Well logs with yields of 5 gpm or less: 3 Highest well yield: 110 gpm

Well depth range: 7 logs with depths less than or equal to 100 feet, 3 wells over 300 feet deep

Number of Well Deepenings: 4 deepenings occurred, three in the mid-1980s

Based on the reported well yields, the area appears to be good for domestic ground water development. OWRD has permitted some wells in the area for irrigation rights. However, sustainable well yields at the reported rates (on well logs) in fractured rock of the Payne Cliffs Formation are suspect based on general knowledge of the area, well interference complaints, and claims by landowners of significant reductions in well yields during summer months and following drought.

Water level data from JACK 3423 (Benson Well, 35S/2W-12abd1) are available for this area from approximately 1989 to 1995. The data show seasonal fluctuations of approximately 40 to nearly 100 feet, and no long-term decline. This well is 205 feet deep, with water first found at 162 feet bgs, and a reported yield of 110 gpm.

Mary Blandau (***application G-15943***) conducted an aquifer test, indicating the hydraulic connection of her well with neighboring wells, supporting the conceptualization of a pervasively fractured bedrock system. However, the drawdown in neighboring wells, over the short-term of the test, was not substantial, and did not appear likely to cause well interference over the course of an irrigation season.

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	**Fractured bedrock**	☐	☒
2	**Fractured bedrock**	☐	☒
		☐	☐
		☐	☐
		☐	☐

Basis for aquifer confinement evaluation: Well yields in area are generally good, suggesting the aquifer is pervasively fractured. Although the aquifer is likely more confined with depth, the water-bearing zones of the applicant's wells are fairly shallow and likely more unconfined than confined.

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. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES	NO	ASSUMED	Potential for Subst. Interfer. Assumed? YES	NO
1	1	**Constance Creek**	**1422**	**1420**	**200**	☐	☒	☐	☐	☒
2	1	**Constance Creek**	**na**	**1420**	**700**	☐	☒	☐	☐	☒
						☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐

Basis for aquifer hydraulic connection evaluation: Surface water flow evaluation by staff during 2003-2004 indicated Constance Cr flows dominated by precipitation, with very little, if any, groundwater contribution. Groundwater likely discharges to Rogue River, located approx. 11,000 feet east of the site. Given distance and low primary permeability of aquifer material, and discontinuity of formations, hydraulic connection with the Rogue was not evaluated.

Water Availability Basin the well(s) are located within: Rogue River above Curry Gage 14359000 (#270)

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. Compare the requested rate against the 1% of 80% *natural* flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked ☒ box indicates the well is assumed to have the potential to cause PSI.

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?
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐
		☐	☐			☐		☐		☐

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?
			☐			☐		☐		☐
			☐			☐		☐		☐
			☐			☐		☐		☐
			☐			☐		☐		☐

Comments: ______________________________

C4a. **690-09-040 (5):** Estimated impacts on **hydraulically connected surface water sources greater than one mile** as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed Wells Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												

Distributed Wells Well SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
	%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS												
Interference CFS												
(A) = Total Interf.												
(B) = 80 % Nat. Q												
(C) = 1 % Nat. Q												
(D) = (A) > (C)												
(E) = (A / B) x 100	%	%	%	%	%	%	%	%	%	%	%	%

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

Basis for impact evaluation:

C4b. **690-09-040 (5) (b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.**

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, 7C, 7F, 7J,**

ii. ☒ The permit should contain special condition(s) as indicated in "Remarks" below;

C6. **SW / GW Remarks and Conditions ** Require applicant to install and maintain a properly functioning, totalizing flow meter on each POA.**

See file for staff report on Constance Creek flows. Constance Creek appears to gain little, if any, baseflow from groundwater discharge, and is dry during the summer months. The Rogue River is likely the regional groundwater discharge point for this aquifer, and this is the likely location of any impact to surface water. Given the distance involved and lack of a model to simulate impact, no evaluation was conducted to assess impact to river flow from the applicant's groundwater use.

References Used: USGS Boswell Mtn., Oregon 1:24,000 quadrangle map. 1983 provisional edition.

Wiley, T.J., and F.R. Hladky, 1991. Geology and Mineral Resources Map of the Boswell Mountain Quadrangle, Jackson County, Oregon. Oregon Dept. of Geology and Mineral Industries, GMS-70.

Application G-15794 continued Date June 28, 2004

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

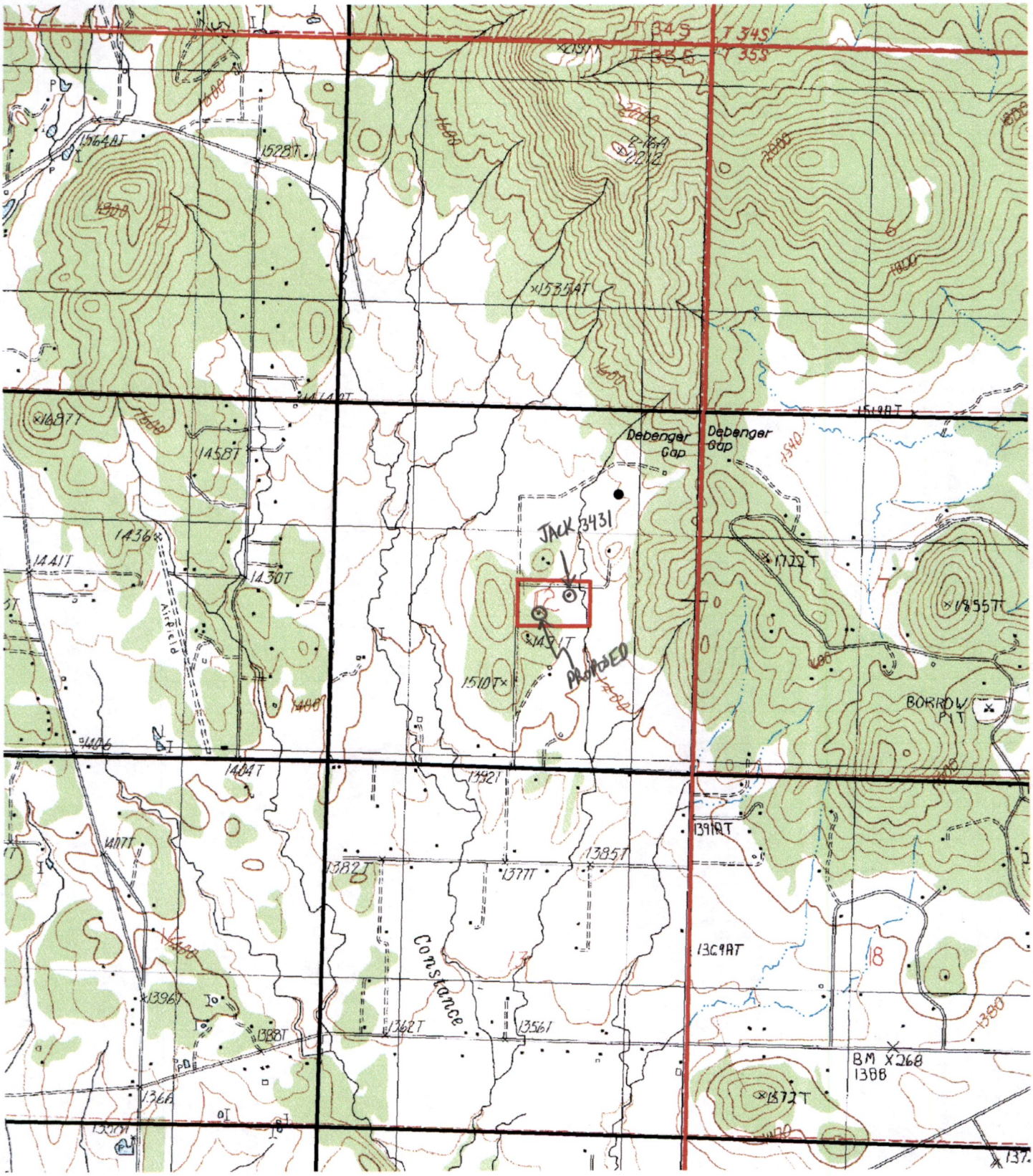
D7. ☐ Well construction deficiency has been corrected by the following actions: _____

_____ _____, 200____.

(Enforcement Section Signature)

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

35S - 02W - 12NWSE Taxlot 411
Ron and Jacqueline Decker G-15794
Boswell Mountain Quad
Scale 1:24,000



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.

JACK 3431

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED
FEB 4 1977
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 35S/2W-12
State Permit No.

(1) OWNER:
Name ANDY MULLINS
Address 4264 BEAGLE RD CENTRAL POINT, ORE

(2) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary [X] Driven [ ]
Cable [ ] Jetted [ ]
Dug [ ] Bored [ ]

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

CASING INSTALLED:
Threaded [ ] Welded [X]
6" Diam. from 0 ft. to 20 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:
Perforated? [ ] Yes [X] 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.

(7) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
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 [X] No If yes, by whom?
d: gal./min. with ft. drawdown after hrs.
" " "
" " "
AIR Return Bailer test 100 gal./min. with 74 ft. drawdown after 1 hrs.
Artesian flow g.p.m.
perature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Well seal—Material used Pressure Cement Grout
Well sealed from land surface to 19 ft.
Diameter of well bore to bottom of seal 9 5/8 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal 4 sacks
Number of sacks of bentonite used in well seal sacks
Brand name of bentonite
Number of pounds of bentonite per 100 gallons of water lbs./100 gals.
Was a drive shoe used? [ ] Yes [X] No Plugs Size: location ft.
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County JACKSON Driller's well number
¼ SE ¼ Section 12 T 35S R. 2W W.M.
Bearing and distance from section or subdivision corner
APPRO. 1400 N. AND 400' W. FROM S.E. CORNER.

(11) WATER LEVEL: Completed well.
Depth at which water was first found 37 ft.
Static level 8 ft. below land surface. Date 1-29-77
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 6"
Depth drilled 82 ft. Depth of completed well 82 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
SOIL, BLACK	0	2	
CLAYSTONE, BLUE	2	82	8

RECEIVED
JUL 09 2002
WATER RESOURCES DEPT
SALEM, OREGON

RECEIVED
JUN 27 2002
WATER RESOURCES DEPT
SALEM, OREGON

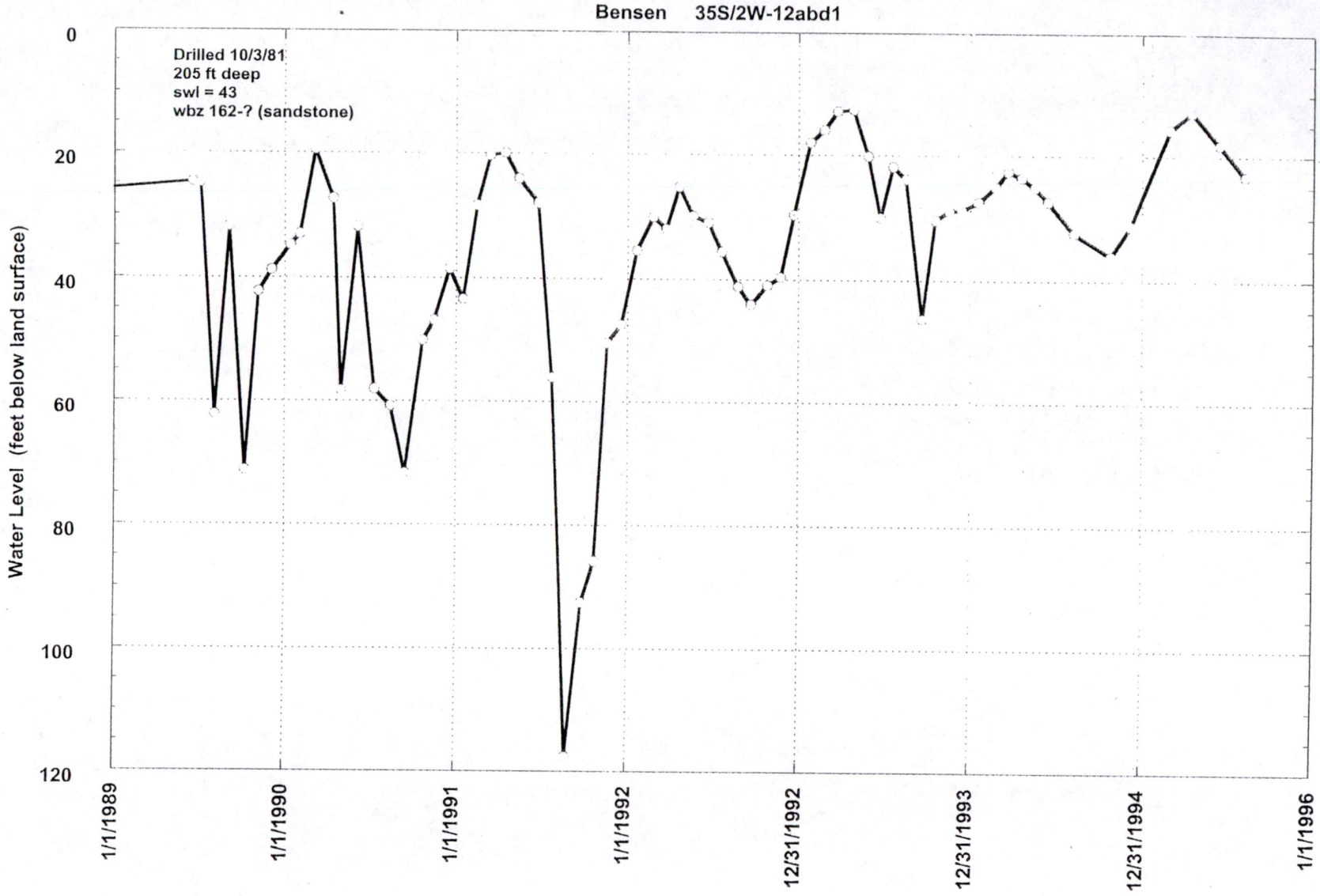
Work started 1-29 1977 Completed 1-29 1977
Date well drilling machine moved off of well 1-29 1977

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] Ronald J. Martinson (Drilling Machine Operator) Date 1-09, 1977
Drilling Machine Operator's License No. 622

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 MARTINSON WELL DRILLING (Person, firm or corporation) (Type or print)
Address 81 BALL Rd. EAGLE POINT, ORE.
[Signed] J. W. Martinson (Water Well Contractor)
Contractor's License No. 406 Date 1-29, 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119


Bensen 35S/2W-12abd1
Drilled 10/3/81
205 ft deep
swl = 43
wbz 162-? (sandstone)
Water Level (feet below land surface)
0
20
40
60
80
100
120
1/1/1989
1/1/1990
1/1/1991
1/1/1992
12/31/1992
12/31/1993
12/31/1994
1/1/1996

WATER WELL REPORT
STATE OF OREGON

JACK 3423

RECEIVED
OCT 20 1981
WATER RESOURCES DEPT
SALEM, OREGON

State Well No. 35s/2w-12ad

State Permit No. .....

(1) OWNER:
Name Mary Benson
Address 4278 Beagle Rd.
City Central Point, Oregon State 97502

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐
Thermal: ☐ Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Threaded ☐ Plastic ☐ Welded ☒
8 " Diam. from 0 ft. to 40 ft. Gauge 250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) 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.

(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.

(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 110 gal./min. with drill stem at 205 ft. 1½ hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 56 Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used cement
Well sealed from land surface to 31 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal 15 sacks
How was cement grout placed? pressure pumped
Was pump installed? no Type HP Depth ft.
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 108
SE ¼ NE ¼ Section 12 T. 35 R. 2W W.M.
Tax Lot # 100 Lot Blk Subdivision
Address at well location: same as 1

(11) WATER LEVEL: Completed well.
Depth at which water was first found 162 ft.
Static level 43 ft. below land surface. Date 10-3-81
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 8
Depth drilled 205 ft. Depth of completed well 205 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
soil brown	0	1	
claystone brown	1	15	
sandstone brown	15	26	
claystone gray	26	50	
sandstone gray	50	205	43

Work started 10-1 19 81 Completed 10-3 1981
Date well drilling machine moved off of well 10-3 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] (Drilling Machine Operator) Date 10-5, 19 81.
Drilling Machine Operator's License No. 483

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 Gribble Well Drilling (Person, firm or corporation) (Type or print)
Address 195 Country Lane Gold Hill, Oregon 97525
[Signed] (Water Well Contractor)
Contractor's License No. 705 Date 10-5, 19 81.

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

SP*12658-690