

PUMP TEST REPORT
for
Ground Water Application
G2-28210

Prepared for:

William Lindeman
202 N. Military Rd.
Winlock, Wa. 98596

Prepared by:

Dennis Paul Mickelsen
15017 NE 36th St
Vancouver, Wa. 98682

October 5, 1995

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INTRODUCTION:

This report will summarize the results of a pumping test conducted on September 25, 1995. The pump test was performed at the request of the Washington State Department of Ecology. The well site is located in the NE1/4 of th SE1/4 of Section 12, Township 11 N., Range 1 W. W.M., Lewis County, Washington.

The pumping test was initiated on September 25th. by Technicians from Rogers Machinery Company, Inc., Centralia, Wa. The test began by stepping the pumping rate up to determine an acceptable pumping rate for the well. The Technician determined an acceptable pumping rate and the test was monitored overnight by Dennis Mickelsen. The test was concluded after 24 hours and the recovery was monitored by the Technician. The test was concluded on September 26th.

This report will provide information on the history of this well, the pump test setup, and tabular and graphical representation of the pump test results.

GENERAL INFORMATION:

The well is located in Section 12, T 11 N., R 1 W. Lewis County, Washington. The well was drilled in 1979 by the previous owner. The well was drilled to 107 ft and is 10 inches in diameter. The completed well is 108.5 ft in depth from the top of the casing. A bailer test was conducted at that time drawing 50 gpm with 5 ft of drawdown after 2 hours. Previous to this test, no tests have been conducted using a pump.

This pump test was conducted at the request of the Department of Ecology to determine the best withdrawal rate for this well. The water right application G2-28210 was filed on June 26, 1991 requesting to withdraw public ground water at a rate of 600 gpm for irrigation of 250 acres, stockwater, and domestic supply. The preliminary permit for withdrawal to conduct a pump test was issued October 12, 1992 and has been extended to October 12, 1995.

PROCEDURES:

The pump test was conducted on September 25th and 26th, 1995 using a 20 Hp submersible pump rented from Rogers Machinery Company, Inc. The power supply was provided by a 60 kw diesel powered generator. Flow measurements and drawdown measurements were conducted by manually reading a flow meter and standard electric water probe at the suggested time intervals.



The pump was installed and the pump test initiated by Technicians from Rogers Machinery Company, Inc. The test was started by step testing the well to determine a safe rate of withdrawal. The rate of 250 gpm was selected and Dennis Mickelsen monitored the test until 24 hours was complete. The Technician from Rogers Machinery Company, Inc. returned to monitor the recovery of the well at the conclusion of the pumping test.

PUMPING TEST RESULTS:

The pumping test was conducted at a rate of 250 gpm. This rate was determined by the initial step rate testing of the well. The pumping rate of 250 gpm was maintained for 24 hours and the drawdown had stabilized in the third hour of the test. The drawdown stabilized and maintained the same level for the remainder of the test. The linear drawdown and stabilization would indicate that no boundary conditions were encountered in the pumping test. The test was also conducted during the dry season when the need for irrigation water would be near its highest daily demand. The time of the test should give a reasonable dry season drawdown curve.

The Hydraulic Conductivity is estimated from the data recorded, the well log, and an assumed radius of influence for sand and gravel of 1000 ft to be 120.5 ft/day. There should be no adverse impacts on surrounding wells. The nearest well is approximately 1000 feet from this location. It is a domestic well approximately 90 feet deep.

The tabular measurements and a graphical representation of the pumping test and the recovery of the well are included with this report .

Respectfully Submitted,



Dennis Paul Mickelsen E.I.T.



PUMPING TEST DATA - Drawdown and Recovery

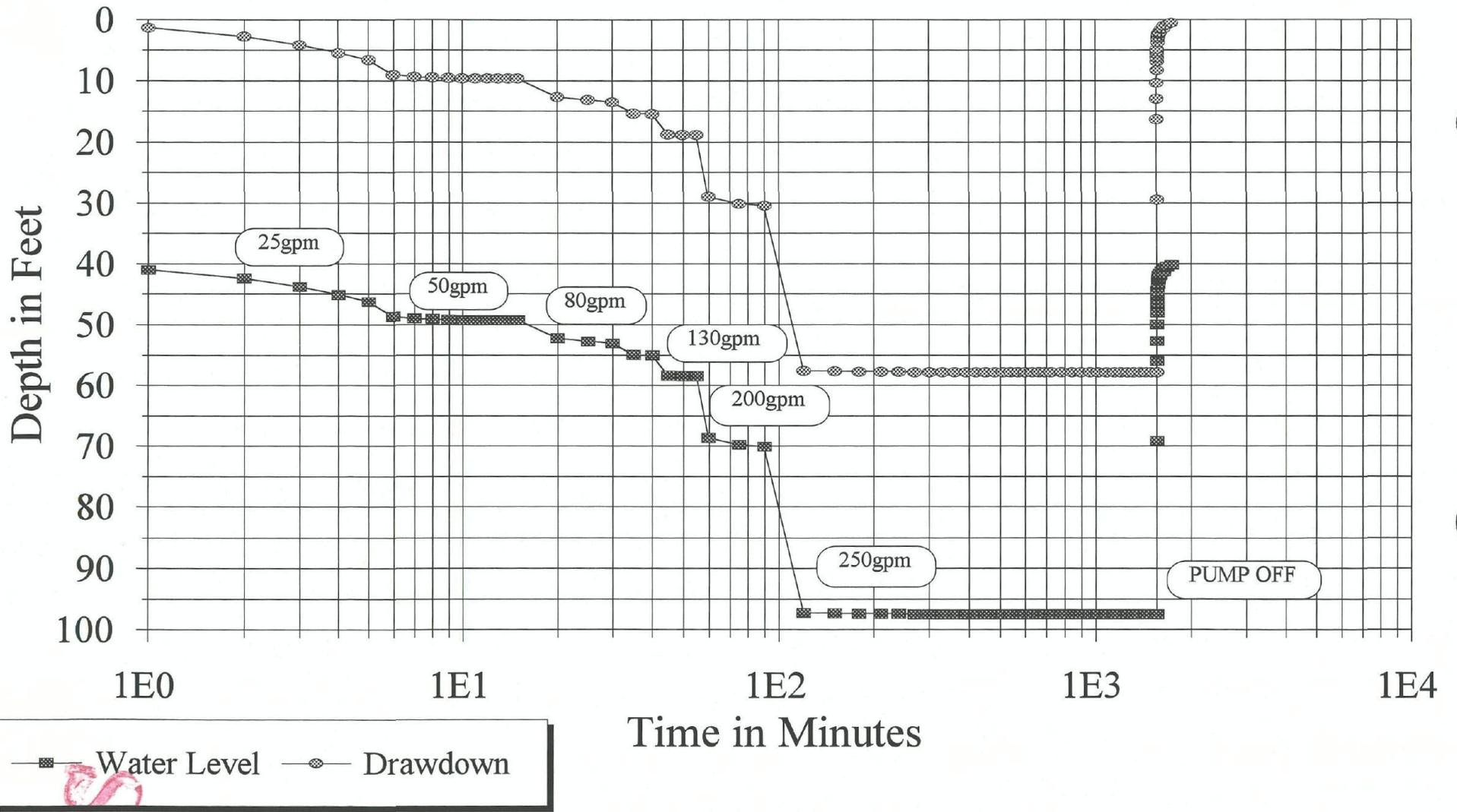
Time minutes	Discharge gpm	Measurement feet	Drawdown feet
0	0	39.66	0
1	25	41	1.34
2	25	42.4	2.74
3	25	43.8	4.14
4	25	45.1	5.44
5	25	46.25	6.59
6	50	48.66	9
7	50	49	9.34
8	50	49.1	9.44
9	50	49.2	9.54
10	50	49.25	9.59
11	50	49.25	9.59
12	50	49.25	9.59
13	50	49.25	9.59
14	50	49.25	9.59
15	50	49.25	9.59
20	80	52.3	12.64
25	80	52.8	13.14
30	80	53.1	13.44
35	100	55	15.34
40	100	55.1	15.44
45	130	58.4	18.74
50	130	58.5	18.84
55	130	58.5	18.84
60	200	68.66	29
75	200	69.8	30.14
90	200	70.1	30.44
120	250	97.25	57.59
150	250	97.33	57.67
180	250	97.42	57.76
210	250	97.46	57.8
240	250	97.46	57.8
270	250	97.5	57.84
300	250	97.5	57.84
330	250	97.5	57.84
360	250	97.5	57.84
390	250	97.5	57.84
420	250	97.5	57.84
450	250	97.5	57.84
480	250	97.5	57.84
510	250	97.5	57.84
540	250	97.5	57.84

Time minutes	Discharge gpm	Measurement feet	Drawdown feet
570	250	97.5	57.84
600	250	97.5	57.84
630	250	97.5	57.84
660	250	97.5	57.84
690	250	97.5	57.84
720	250	97.5	57.84
780	250	97.5	57.84
840	250	97.5	57.84
900	250	97.5	57.84
960	250	97.5	57.84
1020	250	97.5	57.84
1080	250	97.5	57.84
1140	250	97.5	57.84
1200	250	97.5	57.84
1260	250	97.5	57.84
1320	250	97.5	57.84
1380	250	97.5	57.84
1440	250	97.5	57.84
1500	250	97.5	57.84
1560	250	97.5	57.84
1561	0	69.17	29.51
1562	0	56	16.34
1563	0	52.66	13
1564	0	50	10.34
1565	0	48	8.34
1566	0	46.5	6.84
1567	0	45.83	6.17
1568	0	45.2	5.54
1569	0	44.83	5.17
1570	0	44.5	4.84
1575	0	43.38	3.72
1580	0	42.67	3.01
1585	0	42.42	2.76
1590	0	42	2.34
1595	0	41.88	2.22
1600	0	41.75	2.09
1605	0	41.66	2
1620	0	41.25	1.59
1635	0	41.2	1.54
1650	0	40.66	1
1680	0	40.5	0.84
1740	0	40.2	0.54



PUMPING TEST

Drawdown and Recovery Data



STATE OF WASHINGTON, COUNTY OF Lewis

Certificate of Ground Water Right

Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the State Supervisor of Water Resources thereunder.

THIS IS TO CERTIFY That MARK KIRKWOOD

of Walla, Washington, has made proof to the satisfaction of the State Supervisor of Water Resources of Washington, of a right to the use of the ground waters of a well

located within Francis Layton D.L.G. No. 30

Sec. 12, Twp. 11 N., R. 1 W. W.M.,

for the purpose of irrigation

under and subject to provisions contained in Ground Water Permit No. 6720 issued by the State Supervisor of Water Resources and that said right to the use of said ground waters has been perfected in accordance with the laws of Washington, and is hereby confirmed by the State Supervisor of Water Resources of Washington and entered of record in Volume 11 at page 5784-A;

that the right hereby confirmed dates from June 10, 1944; that the quantity of ground water under the right hereby confirmed for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 140 gallons per minute; 10 acre-feet per year, for the irrigation of 20 acres.

Special provisions required by the Supervisor of Water Resources:

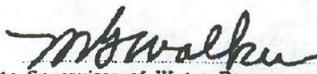
A description of the lands to which such ground water right is appurtenant:

A tract of land situated in the Francis Layton Donation Land Claim in Sec. 12, T. 11 N., R. 1 W.W.M., described as follows: Beginning at a point north 3°06' east 20.0 feet and south 86°33'30" east 20.0 feet from the southeast corner of the Francis Layton D.L.G.; thence north 3°06' east along the east boundary of the G. Layton Road 147.5 feet to the true place of beginning; thence continuing north 3°06' east 1779.9 feet; thence south 86°33'30" east 1521.35 feet; thence south 3°06' west 49.35 feet; thence south 86°33'30" east 66.5 feet; thence south 3°06' west 1009.65 feet to the north boundary of the G. Layton Road; thence north 86°33'30" west along said boundary 1211.35 feet; thence north 3°06' east 147.5 feet; thence north 86°33'30" west 147.5 feet to the place of beginning, containing 60.2 acres.

The right to the use of the ground water aforesaid hereby confirmed is restricted to the lands or place of use herein described, except as provided in Sections 6 and 7, Chapter 122, Laws of 1929.

WITNESS the seal and signature of the State Supervisor of Water Resources  affixed this

6th day of January, 1944


State Supervisor of Water Resources.



Report of Examination on Ground Water

Received date June 18, 1964 Date of exam August 18, 1964 Appl. No. 7283

Name Mark Kitchendell Address Route 1, Box 434, Tolson, Washington

Type of works a well Dimensions 8" x 120'

Progress of work well complete - 5 h.p. submersible pump, sprinkler system not installed

Quantity applied for 140 g.p.m. g.p.m. 40 acre-foot per year

Legal sub. Prussia / Sec. 12 Twp. 11 N. Rge. 1 W.M.M. County Lewis

Use Irrigation

Irrigation-acreage: Present 0 Planned 20 Possible 20

Municipal: Population _____ as of _____

Industrial _____

Time pump will be operated During irrigation season (April 1 to October 1)

Other water rights appurtenant to this land None known

Proximity to existing works, springs, wells, or streams John Fulton, north and east 200 yards.

Area _____ Sub-area _____ Zone _____

RECOMMENDATIONS

Approved for 140 g.p.m. 40 acre-foot per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

The water requirement for the irrigation of this land is calculated on each acre needing 2 acre-foot per year, or 40 acre-foot annually for 20 acres.

Signed at Olympia, Washington
on this 21 day of August, 1964.

Dean Wood
DEAN WOOD, Engineer
Division of Water Resources



WATER WELL REPORT

STATE OF WASHINGTON

File Original and First Copy with the Director of Water Resources
Second Copy - Contractor's Copy
Third Copy - Driller's Copy

Application No. 7203

Permit No.

(1) OWNER:

Name Mark Kirkendall
Address RT 1 Box 434
Talceda, Wash.

(2) LOCATION OF WELL:

County Spokane Order's number, if any -
Section 12 T. 11 R. 1W W.M.
Bearing and distance from section or subdivision corner
550' E & 425' S of ctr 12

(3) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
If abandonment, describe material and procedure in Item 11.

(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
Bin Diam. from 0 ft. to 110 ft. Gage 250 w/
Diam. from ft. to ft. Gage
Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? Yes No
Type of perforator used Drive Down
SIZE of perforations 1/4 in. by 1 1/4 in.
1/4 by 1 1/4 perforations from 42 ft. to 44 ft.
" " " perforations from 50 ft. to 72 ft.
" " " perforations from 74 ft. to 107 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) 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.

(9) CONSTRUCTION:

Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? Yes No To what depth? ft.
Material used in seal -
Did any strata contain unusable water? Yes No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 37 ft. below land surface Date 6/18/64
Artesian pressure lbs. per square inch Date
Water is controlled by (Cap. valve, etc.)

(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.
Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level

Date of test
Peller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes No

(12) WELL LOG:

Diameter of well 8 inches.
Depth drilled 135 ft. Depth of completed well 135 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
Top Soil	0	4
Clay & Boulders	4	30
gravel cemented	30	42
gravel + water	42	44
gravel cemented	44	60
Sand + gravel	60	62
Gravel cemented	62	69
Sand coarse water	69	69
gravel coarse water	69	72
gravel cemented	72	74
gravel coarse water	74	76
gravel cemented	76	84
Sand coarse	84	84
gravel coarse	84	87
gravel cemented	87	90
gravel coarse water	90	109
Clay grey	107	134
Shale Dark Blue	134	135
Work started	June 18, 1964	Completed June 20, 1964

(13) PUMP:

Manufacturer's Name
Type: Sub H.P. 5

Well Driller's Statement:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Williams Drilling Co.
(Person, firm, or corporation) (Type or print)
Address RT 1 Box 128 Talceda Wash.
[Signed] W.T. Williams
(Well Driller)
License No. Date 7/8 1964



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

CERTIFICATE OF WATER RIGHT

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

CERTIFICATE NUMBER G2-22100C	PERMIT NUMBER G2-22100P	APPLICATION NUMBER G2-22100	PRIORITY DATE March 20, 1974
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NAME MARK KIRKENDALL			
ADDRESS (STREET) Box 370 Rt 1	(CITY) Toledo	(STATE) Washington	(ZIP CODE) 98591

This is to certify that the herein named applicant has made proof to the satisfaction of the Department of Ecology of a right to the use of the public waters of the State of Washington, as herein defined, and under and specifically subject to the provisions contained in the Permit issued by the Department of Ecology, and that said right to the use of said waters has been perfected in accordance with the laws of the State of Washington, and is hereby confirmed by the Department of Ecology and entered of record as shown.

PUBLIC WATER TO BE APPROPRIATED

SOURCE well	TRIBUTARY OF (IF SURFACE WATER)		
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MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 20	MAXIMUM ACRE-FEET PER YEAR 1.5
QUANTITY, TYPE OF USE, PERIOD OF USE 1.5 acre-foot per year domestic supply and stockwater continuously		

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION/WITHDRAWAL 300 feet south and 425 feet west from the north quarter corner of Sec. 13

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) Bellevue	SECTION 13	TOWNSHIP N. 11	RANGE, (E. OR W.) W.M. 1 W	W.R.I.A. 2	COUNTY Lewis
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY WATER TO BE USED ON

A part of the Jonathan C. Davis D.L.C. (said D.L.C. being in Secs. 11, 12, 13 and 14, T. 11 N., R. 1 W.N.M.) described as follows:
beginning at a point on the east line of said D.L.C. 735 feet south of the northeast corner thereof; thence west 5280 feet; thence south along the west line of said D.L.C. 1155 feet; thence east 5280 feet to the easterly boundary of said D.L.C.; thence north along the easterly boundary of said D.L.C. 1155 feet to the point of beginning.



DESCRIPTION OF PROPOSED WORKS

well - 4" x 60'

DEVELOPMENT SCHEDULE

BEGINNING DATE	COMPLETION DATE	DATE COMPLETE APPLICATION OF WATER TO BE MADE
Started	Completed	March 1, 1976

PROVISIONS AND RECOMMENDATIONS

"The installation of an access port as described in attached Ground Water Bulletin No. 1 shall be required prior to issuance of final certificate of water right. The applicant may, for his own convenience, wish to install an airline and gate in addition to the access port."

Owing to the proximity of neighboring wells, the applicant is reminded of his responsibility toward same and advised that he may be required to regulate his withdrawal and pumping rate if existing rights are injuriously affected.

It is recommended that this application be approved for 20 gallons per minute and 1.5 acre-foot per year for domestic supply and stockwater. Domestic supply includes lawn and garden irrigation up to 1/4 acre.

The above quantities are within normal water demands for domestic supply and stockwater.

Signed at Olympia, Washington,
this 13th day of March, 1975.


GARY E. HANSON, Resources Management
Department of Ecology

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CERTIFICATE OF GROUND WATER RIGHT

(Issued in accordance with the provisions of Chapter 83, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology thereunder.)

THIS IS TO CERTIFY That **MARK AND EDITE KIRKENDOLL**
of **Toledo, Washington** has made proof
to the satisfaction of the Department of Ecology of a right to the use of the public ground waters of
the State of Washington from **a well**
located within **that part of J. C. Davis D.L.C. No. 37 comprising the S^{1/2}S^{1/2}SE^{1/4}**
Sec. **11**, Twp. **11** N., R. **1** W. W.M.,
for the purpose(s) of **irrigation**
under and specifically subject to provisions contained in Ground Water Permit No. **9796**
issued by the Department of Ecology and that said right to the use of said ground waters has been per-
fected in accordance with the laws of Washington, and is hereby confirmed by the Department of Ecology
and entered of record in Volume **G 2-00552 C** at page **1**, that the priority of the right hereby confirmed
dates from **April 14, 1970**; that the quantity of ground water under the right hereby con-
firmed for the aforesaid purposes, is limited to an amount actually beneficially used for said purposes,
and shall not exceed **120 gallons per minute; 68 acre-feet per year from April 1 to**
October 1, each year, for the irrigation of 30 acres.

A description of the lands to which such ground water right is appurtenant is as follows:

The north 1135 feet of the south 2375 feet of the J. C. Davis D.L.C. No. 37, within
Secs. 11, 12, 13, and 14, T. 11 N., R. 1 W.W.M. LESS rights of way.

The right to use of water aforesaid hereby confirmed is restricted to the lands or place of use herein
described, except as provided in RCW 90.03.380, 90.03.390 and 90.44.020.

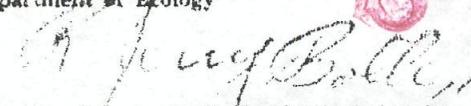
This certificate of ground water right is specifically subject to relinquishment for nonuse of water
as provided in RCW 90.14.180.

Given under my hand and seal of this office at Olympia, Washington, this **21st** day
of **March**, 19 **73**

JOHN A. BIGGS, Director
Department of Ecology

Engineering Data

OK **TM**

by 
R. Jerry Sollen, Assistant Director

Report of Examination on Ground Water

Received date April 14, 1970 Date of exam June 19, 1970 Appl. No. 10779

Name Mark and Edith Kirkendoll Address Rt. 1, Box 370, Toledo, WA

Type of works a well Dimensions 8" x 100'

Progress of works Started (well drilled and pump installed)

Quantity applied for 200 g.p.m.

Legal sub that / part of J. C. Davis D.L.C. No. 37, comprising the SW 1/4 Sec. 11 Twp. 11 N. Rge. 1 W. County Lewis acre-foot per year

Use Irrigation

Irrigation-acreage: Present 0 Planned 30 Feasible 30

Municipal: Population _____ as of _____

Industrial _____

Time pump will be operated April 1 to October 1

Other water rights appurtenant to this land None

Proximity to existing works, springs, wells, or streams _____

Area _____ Sub-area _____ Zone _____

RECOMMENDATIONS

Approved for 200 g.p.m. 68 acre-feet per year, subject to existing water rights. (1 acre-foot 325,850 gallons.)

The installation of an access port as described in attached Ground Water Bulletin No. 1 shall be required prior to issuance of final certificate of water right. The applicant may, for his own convenience, wish to install an air-line and gage in addition to the access port.

The water requirement for pasture for this area is 27 inches per acre (which includes 30 percent loss) from April 1 to October 1 or 68 acre-foot per year for the irrigation of 30 acres.

Signed at Olympia, Washington
this 25 day of JUNE, 1970.


BRUCE N. CAMERON, Engineer
Division of Water Management



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane • PO Box 47775 • Olympia, Washington 98504-7775 • (206) 753-2353

August 5, 1994

William Lindeman
202 N Military Road
Winlock, Washington 98596-9664

Dear Mr. Lindeman:

Re: Extension on Preliminary Permit No. G 2-28210

In response to your request a one year extension of the above referenced preliminary permit is granted. This preliminary permit extension expires on October 12, 1995.

The preliminary permit is intended to allow you an opportunity to test pump your well, so we can determine a realistic withdrawal rate for your system. This extension is subject to the original provisions of the preliminary permit, and in no way implies or guarantees that a formal water right permit will be granted to withdraw water from this well.

If you have questions, please call Jill Van Hulle, at (206) 407-0274.

Sincerely,

Gale Blomstrom
Water Resources Supervisor

GB:SF:th



8/4/84

Sal Bloomstrom:

Regarding Preliminary Permit, Application G2-28210.

In light of the expense of this test to me and the fact that your department is pushing back consideration of water right applications for 2-3 years, I would like to request an extension of my preliminary permit for another year.

Thank you,

Sincerely,

William W. Anderson

extend to:
10-12-95

S

CHRISTINE O GREGOIRE
Director



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

October 12, 1993

William W. Lindeman
202 N. Military Road
Winlock, WA 98596-9664

Dear Mr. Lindeman:

Re: Preliminary Permit to Test a Well in Conjunction with Water Right
Application G2-28210

In response to your request a one-year extension of the above referenced Preliminary Permit is granted. This preliminary permit extension expires on October 12, 1994.

The Preliminary Permit is intended to allow you an opportunity to test pump your well, so we can determine a realistic withdrawal rate for your system. This extension is subject to the original provisions of the Preliminary Permit, and in no way implies or guarantees that a formal water right permit will be granted to withdraw water from this well.

If you have questions, please call Jill Van Hulle, at (206) 586-5560.

Sincerely,

Gale Blomstrom
Water Resources Supervisor

GB:JV:th

cc: Temp. Permit File
G2-28210

Grand Prairie Farms
785-3859
202 N. Military Rd.
Winlock, Wa. 98596
Sept. 28, 1993

pd 100.00
✓ 9781

State of Washington
Department of Ecology
7272 Cleanwater Lane, LU-11
Olympia, Wa. 98504-6811

RECEIVED
'93 SEP 29 10:59

DEPARTMENT OF ECOLOGY
SW REGIONAL OFFICE

Attn: Jill Van Hulle
Re: Ground Water Application G2-28210

A year ago I was granted a preliminary permit allowing me to gather test information on my well. That permit expires on October 9, 1993, and I am writing to request an extension of this permit for another year, if that is possible. I am sorry this letter is not more than 30 days prior to my expiration date. I neglected to reread my permit details until today, and realized I had missed that deadline.

I am still hoping to qualify for a permit for irrigation water from this well, but I am having trouble getting the information you need. I contacted a local well-driller, and a local pump and equipment company, and neither seemed to feel that they could perform the testing required. I finally found an outfit in Oregon (Schneider Equipment, Inc. of St. Paul) who seemed familiar with this procedure and assured me they would respond with an estimate of the cost and their time schedule. But so far they they have failed to come through with anything.

Obviously I regret now that I didn't push harder to get this done early in the summer, but it stayed cool and damp so long this year that I didn't even need to irrigate so I kept putting it off, assuming that Schneider would work me into their schedule before it was too late. I sincerely appreciate your consideration on this matter, and hope an extention of time to meet the test requirements requested will be possible. Thank you very much.

Sincerely,
William W. Lindeman
William W. Lindeman

P.S. When I called concerning this matter, I was also told a fee of \$100.00 has been added by the legislature, retroactive on pending permits. I am enclosing a check for this amount.

S

CHRISTINE O. GREGOIRE
Director



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

October 12, 1992

William Lindeman
202 N. Military Road
Winlock, WA 98596

Dear Mr. Lindeman;

Re: Ground Water Application G2-28210

As per our conversation, I am sending you this letter as a Preliminary Permit to pump test your well.

On June 26, 1991, you filed water right application G2-28210 to secure rights to withdraw public ground water at a rate of 600 gallons per minute (gpm) from a well. The water is to be used for the irrigation of 250 acres and single domestic supply. The well site is located in the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 12, Township 11 N., Range 1 W.W.M., Lewis County, Washington.

A well log, on file with this office, indicates that your well was drilled in 1979. A bailer test, performed at the time of drilling, demonstrates that the well produced approximately 50 gallons per minute. It is my understanding that the well has never been tested, with a pump, to determine its production capacity. I am requesting that you have this well tested so that we can determine the best withdrawal rate for your permit.

Under the provisions of Chapters 90.03.250 and 90.44.020 Revised Code of Washington, the Department of Ecology may issue a preliminary permit to test a well so that an applicant may gather information needed to assess potential impacts of a proposed project. This letter serves as a preliminary permit to test the above referenced well. This preliminary permit is issued subject to the following conditions:

1. The effective date of this preliminary permit is October 12, 1992.
2. A maximum of one production well may be tested under this permit. The well shall be constructed and reported in accordance with Chapter 173.160, Minimum Standards for the Construction and Maintenance of wells.
3. The well shall be tested in accordance with the enclosed DSHS pump test policy. A pump test report, including drawdown and recovery data, shall be submitted to this office.

Drawdown and recovery data should be measured in the well at the following recommended time intervals:

William Lindeman
Page 2
October 12, 1992

<u>Time Since Pumping Started (or Stopped) in minutes</u>	<u>Time Intervals Between Measurements in minutes</u>
0 - 10	0.5 - 1
10 - 15	1
15 - 60	5
60 - 300	30
300 - 1440	60
1440 - termination of test	240 (4 hrs)

At the completion of testing, the production well shall be securely capped pending analysis of the test data and issuance of the Department's formal report of examination. No water may be withdrawn for consumptive use, other than for testing purposes, unless and until a formal water right permit has been issued.

4. The maximum instantaneous withdrawal under this permit is 600 gpm.
5. All water wells within the state shall be constructed in accordance with the Minimum Standards for Construction and Maintenance of Wells, Chapter 173-160, Washington Administrative Code (WAC) by a driller licensed in the State of Washington.
6. In accordance with WAC 173-160-205, wells shall not be located within certain minimum distances of potential sources of contamination. These minimum distances shall comply with local health regulations, as appropriate. In general, wells shall be located at least 100 feet from a sewer, septic tank, privy, or other source of contamination. Wells shall not be located within 1,000 feet of a solid waste landfill.
7. All expenses, liabilities, and risks incurred during the construction and testing of this well shall be borne by William Lindeman. In issuing this preliminary permit, Ecology in no way guarantees or implies that a water right permit will be granted to withdraw water from this well.
8. This preliminary permit expires on October 9, 1993, unless sooner revoked by the Department of Ecology, or a formal permit is issued. This preliminary permit may be extended if a written request justifying an extension is made at least 30 days prior to expiration.

Any person wishing to appeal this action may obtain a review by submitting a written request to the Washington Pollution Control Hearings Board with a copy to the Director of the Department of Ecology, within 30 days from receipt of this letter. These procedures are consistent with the provisions of Chapter 43.21B RCW and associated rules and regulations.

If you have any questions, please call (206) 586-6380.

Sincerely,

Gale Blomstrom
Gale Blomstrom
Water Resources Supervisor

GB:VW:th

cc: Jill Van Hulle
File G2-28210
Temp. File

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