

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 85-7601

Exam Date: 8/23/2011

1. Current Owner: CITY OF LEWISTON
PO BOX 617
LEWISTON ID 83501
(208) 746-3671

2. Accompanied by: DAVE SIX
Phone No: 208-743-7461
Address: PO BOX 617 LEWISTON ID 83501

Relationship to Permit Holder: WATER SYSTEM MANAGER

3. **SOURCE**

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 85-2086A,
85-2099,85-2131,85-4017,85-4019,85-7015,85-7158,85-7646,86-4032,86-4034A,86-4034B,86-7090,86-7324

2. Other water rights with the same point of diversion: None at this time.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE1/4SE1/4 Sec. 12, Twp 35N, Rge 06W, B.M. NEZ PERCE County
GROUND WATER L4 (SW1/4SW1/4) Sec. 12, Twp 35N, Rge 06W, B.M. NEZ PERCE County
GROUND WATER NE1/4SE1/4 Sec. 1, Twp 35N, Rge 06W, B.M. NEZ PERCE County
GROUND WATER L6 (SW1/4NE1/4) Sec. 32, Twp 36N, Rge 05W, B.M. NEZ PERCE County
GROUND WATER L3 (SW1/4NW1/4) Sec. 32, Twp 36N, Rge 05W, B.M. NEZ PERCE County
GROUND WATER L2 (SW1/4NE1/4) Sec. 36, Twp 36N, Rge 06W, B.M. NEZ PERCE County

Method of Determination: GPS AND MAPS

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
35N 05W 5		X L 2	X		X L 3	X L 4	X	X	X	X	X	X		X			
35N 05W 6	X L 1	X L 2	X	X	X L 3	X L 4	X L 5	X	X	X L 6	X L 7	X	X	X	X	X	
35N 05W 7	X	X	X	X	X	X L 1	X L 2	X	X	X L 3	X L 4	X					
35N 05W 8	X	X	X	X	X	X	X	X									
35N 06W 1	X L 1	X L 2	X	X				X L 3				X L 5	X	X L 4	X	X	
35N 06W 12	X	X	X	X	X L 1		X L 2			X L 3	X L 4	X	X	X	X	X	
35N 06W 13		X			X	X	X	X	X	X	X	X					
35N 06W 14																X	
35N 06W 24					X	X											
36N 05W 29			X							X	X			X	X	X	
36N 05W 30										X L 4	X				X	X	
36N 05W 31	X	X	X	X	X	X	X	X	X	X	X L 6	X	X	X	X	X L 9	
36N 05W 32	X	X	X		X	X	X	X	X	X	X L 4	X		X	X		
36N 06W 25															X L 4	X L 5	
36N 06W 36	X L 1	X L 2						X L 5					X	X L 3	X L 4	X	

Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

Well or Diversion

<u>ID No.*</u>	<u>HP</u>		<u>FLOW</u>	<u>Motor</u>
WELL #1A	300 HP	DECREED LICENSED FLOW OF	4.0 CFS	E0005299 85-4017
WELL #2	75 HP	DECREED LICENSED FLOW OF	1.0 CFS	E0005527
WELL #3	200 HP	DECREED LICENSED FLOW OF	2.67 CFS	E0005298 85-2019
WELL #4	100 HP	DECREED LICENSED FLOW OF	1.11 CFS	E0005296
WELL #5	200 HP	DECREED LICENSED FLOW OF	2.22 CFS	E0005297
WELL #6	350 HP	LICENSED FLOW OF	4.01 CFS	E0005862

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

FLOW OF WELLS: 1A, 2,3,4,5, was from decreed license
 FOW OF WELL #6 was form meter on the pumping system. 1800 GPM = 4.01 CFS

2. Measurements:

E. FLOW CALCULATIONS

____Additional Computation Sheets Attached

Measured Method:

F. VOLUME CALCULATIONS

NO VOLUME ON THIS MUNICIPAL USE

2. Volume Calculations for Other Uses: NONE

G. NARRATIVE/REMARKS/COMMENTS

All 6 wells are connected with a delivery system. The amendment will add each of the 6 wells to this water right because each well was used in the development of 85-7601.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
MUNICIPAL	4/01 to 9/30	1.110 CFS	
<u>Totals:</u>		1.110 CFS	

2. Recommended Amendments☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other**I. AUTHENTICATION**Field Examiner's Name *Eric J. Taylor* Date 4-17-2013Reviewer *J. Taylor* Date 7/18-138



WELL #6.JPG



POD #1.JPG



WELL #1A.JPG



POD #2.JPG



WELL #2.JPG



POD #3.JPG



WELL #3.JPG



POD #4.JPG



WELL #4.JPG



POD #5.JPG



WELL #5.JPG



POD #6.JPG

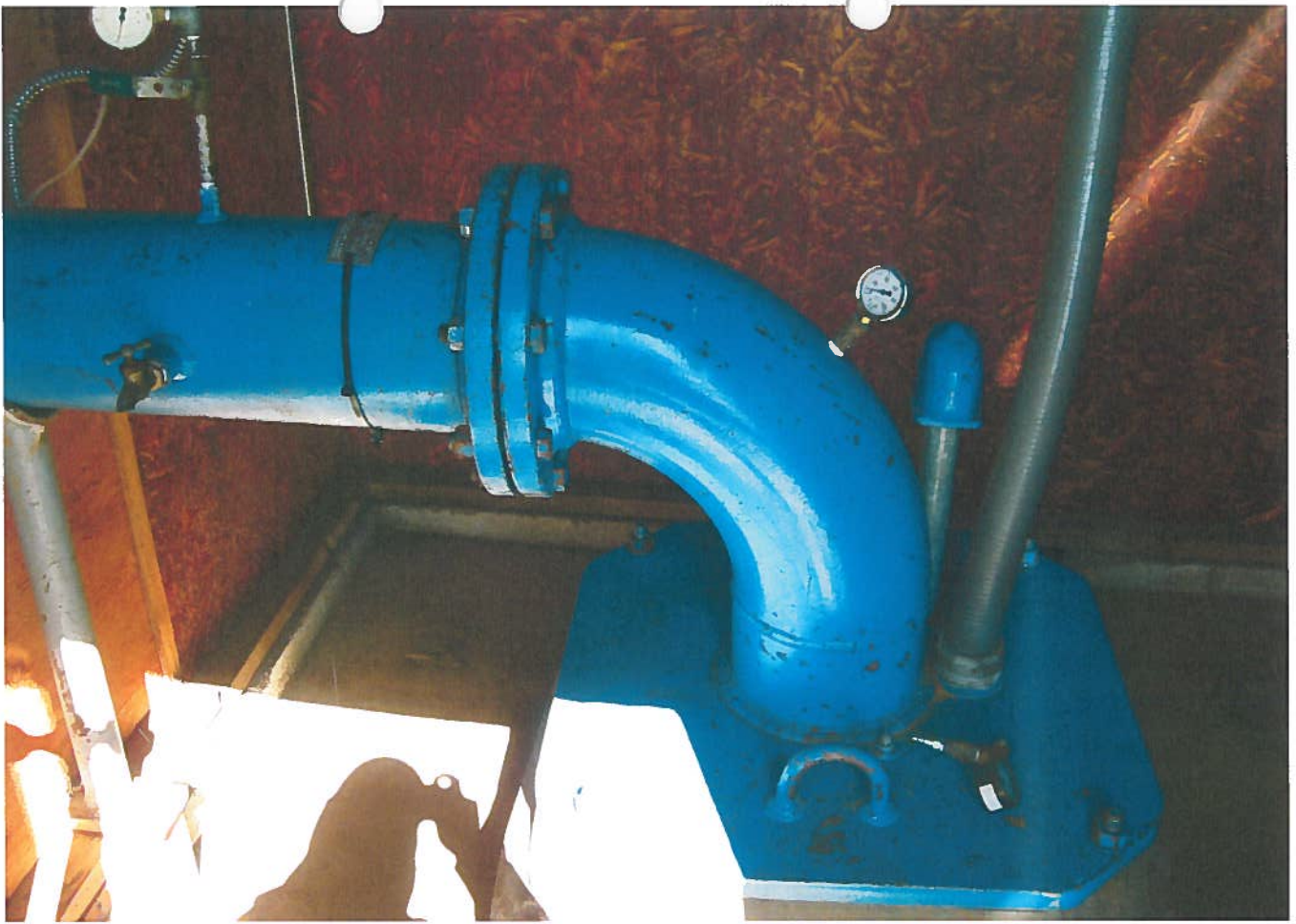
85-7601









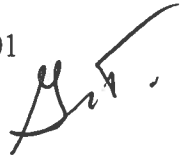




MEMO

TO: File No. 85-7601

FROM: G. Taylor

A handwritten signature in black ink, appearing to be 'G. Taylor', written over the 'FROM' line.

Re: Beneficial Use Field Report

The total diversion rate for the City of Lewiston's valid licenses plus this permit equals 15.41 cfs.

The total capacity of the City's wells was found to be 15.93 cfs in 2013.

Therefore, a combined limit condition is not required for this Water Right license.

Well 1-A

624688

WELL LOG

From Foot	To Foot	Type of Material	Water-bearing Formation Ass. Year No	Casing Perforated Ass. Year No
505	521	Hard grey basalt		
521	547	Hard dark basalt		
547	598	Brown soft basalt	Yes	no casing
598	606	Dark hard basalt		
606	646	Grey basalt, very hard		
646	679	Dark hard basalt		
679	698	Hard gray basalt		
698	732	Variegated basalt	Yes	no casing
732	735	Hard gray basalt		
This well was deepened in this operation from 505' to 735'				
If more space is required use Sheet No. 2				

WELL DRILLER'S STATEMENT

This well was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

Signed G. Jungmann Drilling Company

By [Signature]

Dated Feb. 17, 19 62

License No. 206

CITY OF LEWISTON, a municipal corporation,

lessee, the following premises, situate at: **Lewiston** station, in the
County of **Nez Perce** and State of **Idaho**, to-wit: **12250000** (2500)

Commencing at a point 40 feet west and 30 feet north of the northwest corner of Block 11 in the City of Lewiston as shown by the official and amended plat thereof now on file in the Auditor's office in said county; running thence north 65° 07' east a distance of 310.74 feet; thence north 14 feet to the true point of beginning; thence north 30 feet; thence east 30 feet; thence south 30 feet; thence west 30 feet to the true point of beginning, containing 900 square feet.

The above described premises are shown colored in RED on the plat dated "Office of the City Engineer, August, 1945" hereto attached and made a part hereof.

In consideration of the sum of one dollar to the lessee, the parties have agreed as follows:

TO HAVE AND TO HOLD subject to the provisions following for the term of **ninety-nine (99) years** commencing **January 1, 1946** and ending **December 31, 2044**.

1. The lessee shall occupy and continue to use the premises during the term for the purpose of **constructing and maintaining thereon a well and pumping equipment.**

If buildings have not already been constructed on said premises, the lessee shall begin the construction and complete as soon as practicable a building or buildings according to plans and specifications submitted to and approved by the Railway Company in advance of construction. In event of destruction thereof in whole or in part the lessee shall, within three months thereafter commence the work of repairing or rebuilding and complete the same within twelve months from said destruction.

2. As rental the lessee shall pay, in advance, the sum of **ten and no/100 (\$10.00)** dollars per year for the first five (5) years of the term. After the first five (5) years the parties shall then, and also at the end of each five (5) year period thereafter, agree upon the fair and reasonable rental to be paid during the succeeding five (5) years. If the parties fail to agree upon such rental the same shall be fixed by appraisers. Each party shall within 20 days choose one appraiser and should either party fail to do so, the party choosing the first appraiser may name the second appraiser; the two so chosen shall within 20 days select a third appraiser, and if they fail, the selection on application of either party may be made by any Justice of the Supreme Court of the State. The award of any two of such appraisers shall be binding upon the parties.

3. The lessee shall pay all general taxes and special assessments, applicable to said premises and the improvements thereon, during the term or prior to the effective date of termination, if this lease is terminated by notice or otherwise.

In case of non-payment of rental or taxes the same shall, until paid, constitute a lien upon any building or other property owned by the lessee located upon the premises, and the lien may be foreclosed according to law.

4. Rates being as favorable, the lessee shall do all transportation business over the railroad of the Railway Company.

5. All structures erected on the right of way hereunder shall be placed parallel with the main track. The lessee shall paint and keep painted, with the standard color of paint adopted by the Railway Company for its station buildings, or with aluminum paint, any frame building upon the premises. The lessee shall not place or permit to be placed any advertising matter upon any part of the leased premises or any improvements thereon except such as may be necessary to advertise the lessee's own business.

6. No building erected on the premises shall have a swinging door or window opening towards the railway tracks adjacent to said premises, which, when open, will restrict the clearance to less than 8.5 feet from the center line of said tracks.

The lessee shall not place or permit to be placed, or to remain, any material, structure, pole or other obstruction within 8.5 feet laterally of the center line, or within 23 feet vertically from the top of the rails, of said tracks.

The lessee agrees to indemnify and save harmless the Railway Company from all loss, damage, penalties, costs or judgments that may be assessed against or recovered from it on account of or in any manner growing out of a violation of the provisions of this paragraph 6.

7. It is understood by the parties that the leased premises are in dangerous proximity to the tracks of the Railway Company and that persons and property on or about the leased premises will be in danger of injury or destruction by fire or other causes incident to the operation of a railway, and the lessee accepts this lease subject to such dangers. It is therefore agreed, as one of the material considerations of this lease without which the same would not be granted, that the lessee assumes all risk of personal injury to or death of the lessee and to his or its officers, employees, customers or licensees while on or about said premises, and all risk of loss, damage or destruction to buildings or contents or to any other property brought upon or in proximity to the leased premises by the lessee, or by any other person with the consent or knowledge of the lessee, without regard to whether such loss be occasioned by fire or sparks from locomotive engines or other causes incident to or arising from the movement of locomotives, trains or cars, misplaced switches or in any respect from the operation of a railway, or to whether such loss or damage be the result of negligence or misconduct of any person in the employ or service of the Railway Company, or of defective appliances, engines or machinery. And the lessee shall indemnify and save harmless the Railway Company from all such injury, death or damage claims.

8. It is agreed that the provisions of paragraphs 6 and 7 are for the equal protection of any other railroad company or companies heretofore or hereafter granted the joint use of the Railway Company's property of which the above described premises are a part.

9. (a) If the lessee shall make default in any covenant or agreement herein assumed, and such default shall continue for a period of sixty days, the Railway Company may terminate this lease upon written notice of not less than sixty days.

(b) If the Railway Company shall require the premises for railroad purposes at any time during the term, or shall desire the same for any purpose whatever at any time after five years from the date hereof, it may terminate this lease upon written notice of not less than six months; but in case of such termination the Railway Company shall purchase from the lessee all his improvements, and pay a sum equal to their actual value at the time such notice is given, which shall not exceed the cost at the time of new similar improvements, with proper allow-

and for actual depreciation. If the parties fail to agree, such valuation shall be determined by three disinterested appraisers selected in the manner hereinbefore provided. But the value of such improvements to be paid shall not exceed the sum of _____ dollars.

(c) Notice of termination by the Railway Company shall be good if served personally upon the lessee, posted upon the leased premises, or by United States mail addressed to the lessee at _____

10. Upon the termination of this lease by notice pursuant to the provisions of paragraph 9 (a) the lessee, before the expiration date fixed in said notice, shall remove his or its improvements from the premises and fill all excavations thereon, and in case of failure to do so, the Railway Company may remove the improvements and fill the excavations at the cost of the lessee, or may appropriate the improvements to its own use without compensation.

11. The lessee shall not permit the accumulation of any material or refuse on the leased premises or adjacent to the tracks of the Railway Company and shall at all times keep same in a clean and sanitary condition to the satisfaction of the Division Superintendent of the Railway Company or a person from the engineering or inspection department of said railway.

12. The Railway Company reserves the right at any time to change the grade of its tracks without compensation to the lessee, and in event such change is made, or the grade of any highway is changed, the lessee shall bear all expense necessary to adapt the leased premises and improvements to the changed conditions.

13. The cost of making any necessary change in the Railway Company's telegraph line shall be borne by the lessee.

14. Without the written consent of the Railway Company, the lessee shall not assign this lease or any interest therein, or sublet, and no heir, executor, administrator, receiver, master, sheriff, trustee in bankruptcy or other assignee by operation of law shall assign or sublet without such written consent.

15. This lease is granted subject to the terms of that certain lease from the Camas Prairie Railroad Company to The Home Lumber Company numbered CP 934 and dated March 20, 1930.

16. No building erected on the premises shall have a foundation or any other structure extending below the surface of the ground except as may be necessary to support the structure.

17. The lessee shall not be bound to erect any building on the leased premises or on any portion thereof without the written consent of the Railway Company.

18. All structures erected on the premises shall be erected in accordance with the rules and regulations of the Railway Company.

19. The lessee shall not be bound to erect any building on the leased premises or on any portion thereof without the written consent of the Railway Company.

20. In case of non-payment of rent or taxes the same shall not be a forfeiture of the lease but shall be a lien in favor of the Railway Company.

21. The lessee shall not be bound to erect any building on the leased premises or on any portion thereof without the written consent of the Railway Company.

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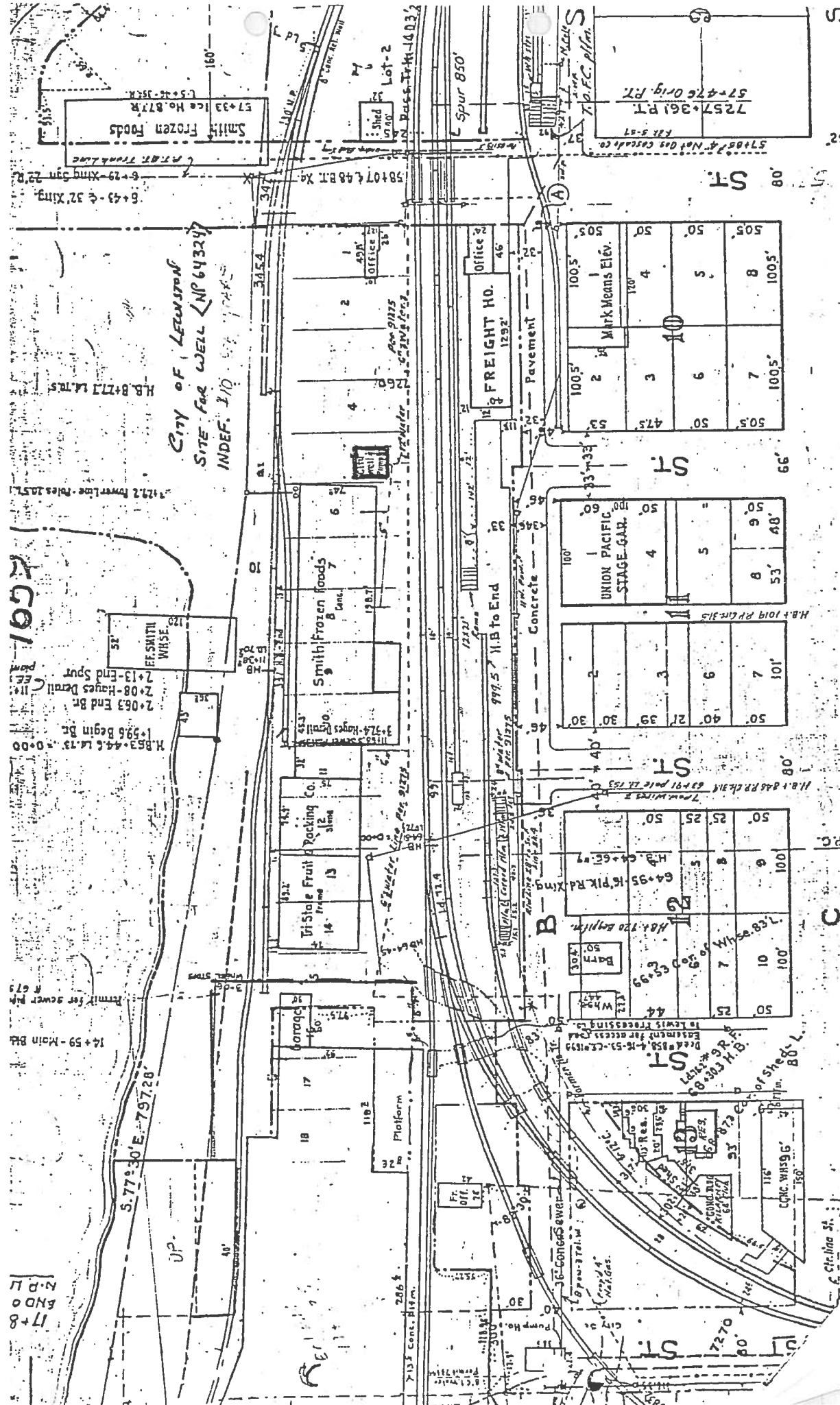
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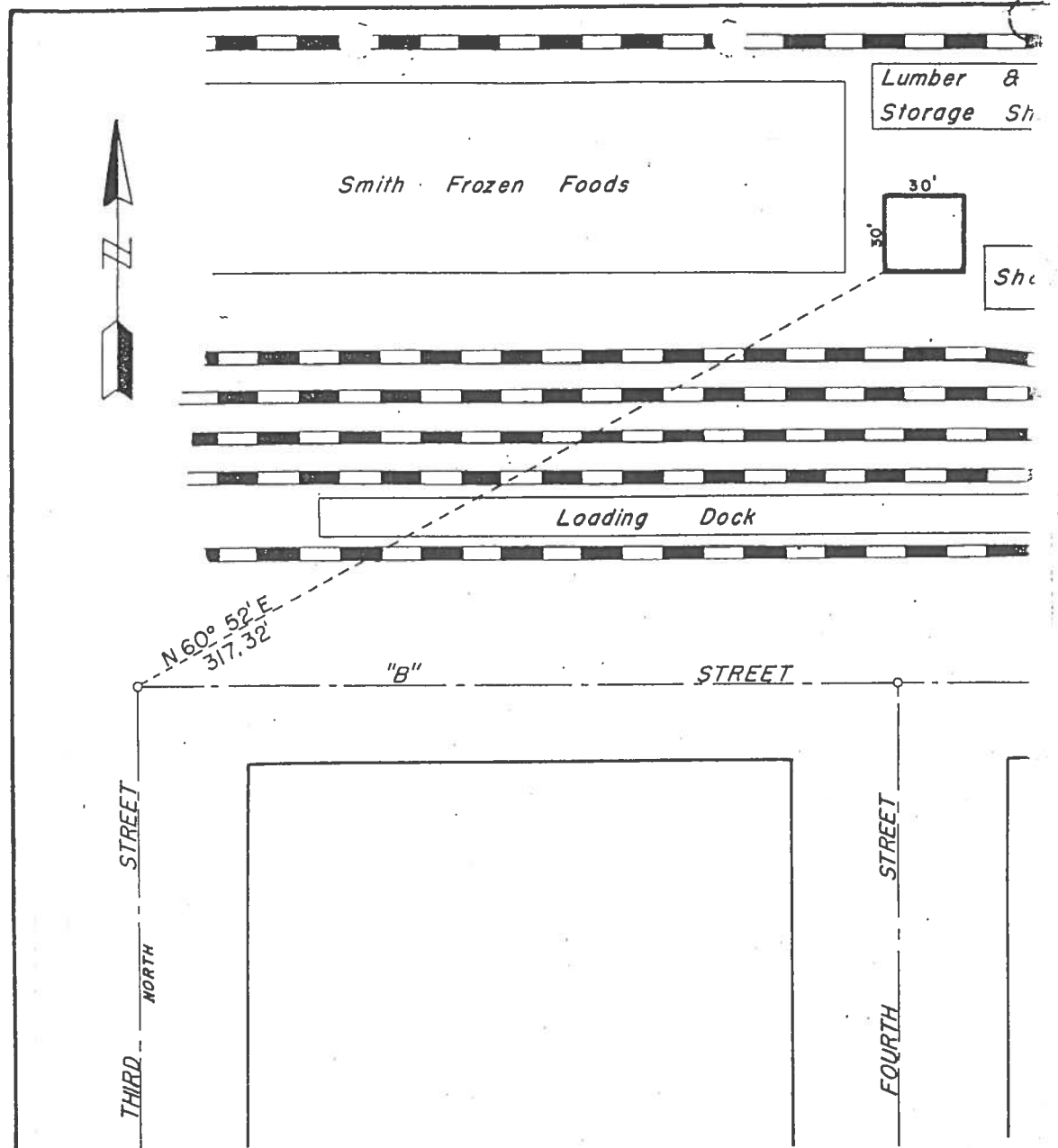
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Well # 1 + 1 A 399 "B" St.



CITY OF LEWISTON, IDAHO
ENGINEERING DEPARTMENT

LEASE
GRANTED BY N.P.R.R.
FOR CITY WELL SITE

LEASE NO. 64324, EXPIRES DEC. 31, 2044

SCALE: 1" = 50'

NOVEMBER, 1947

OFFICE OF W. R. HUGHES
CITY ENGINEER

Well #2

Page 1 of 2

WELL LOG AND REPORT TO THE
STATE RECLAMATION ENGINEER OF IDAHO

Log No. _____
Roc. _____, 17 _____
Well No. _____
Permit No. _____

(DO NOT FILL IN)

Owner: Potlatch Forests, Inc. Address: Lewiston, Idaho
Driller: Charles Jungmann Drilling Co. Address: 115 Rees Ave., Lic. No. 101
Walla Walla, Wash.
Location of Well: 1/4 1/4 Sec. _____, T. _____ N/S; R. _____ E/W _____ County,
and _____ feet N/S, and _____ feet E/W from _____ Corner of 1/4 1/4 Sec. _____
Size of Drilled Hole 12" x 10" Total depth of Well 153'
Give depth of standing water from surface 52' Water Temp. 59 °Farenheit
On pumping test delivery was 240 g.p.m. or _____ c.f.s. Drawdown was 3 feet.
Size of pump and motor used to make the test Hercules Gas 35 HP
Length of time pumped during check was 8 hr., _____ minutes.
If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____
If flowing well, describe control works _____
(TYPE AND SIZE OF VALVE, ETC.) 12" at 45 #
Water will be used for Domestic Weight of casing per linear foot 10" at 32 #
Thickness of casing _____ Casing material Steel
E.G., PIPE, CONCRETE, WOOD.
Diameter, length and location of casing 12" Casing 53' 11" at 53', 10" Casing 71' at 70'
(CASING 12" IN DIAMETER AND UNDER GIVE INSIDE DIAMETER;
CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER.)
Number and size of perforations None located _____ feet to _____ feet
from surface of ground.
Other perforations _____
Date of commencement of well January 21, 1965 Date of completion of well February 26, 1965
Type of well rig Cable Tool 22 W Bucyrus Erie

CASING RECORD

Gr. E/PV. 740,4

WELL LOG

[illegible]

WELL DRILLER'S STATEMENT

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

Signed Charles Jungmann Drilling Co.
By Charles Jungmann Owner

DO NOT FILL IN

Well 3

Owner CITY OF LEWISTON WELL NO. 3 Driller A. A. DURAND & SON

Address c/o R. C. Lowrie, City Engineer Address Walla Walla, Washington Lic. No. 565

Location of Well: NW 1/4 SW 1/4 Sec. 6, T. 35 N, R. 5 E, NE 1/4 Sec. 6, Nez Pierce County
 N 1/2 of Lot 7 Block 8 Riverview Addition - on Corner 7th & 16th Ave.
 and feet N/S, and feet E/W from corner of 1/4 Sec. 6

Water will be used for Municipal Water Supply Total depth of well 600'

Size of drilled hole Shown Below Weight of casing per linear foot Shown Below

Thickness of casing Standard Weights Casing Material Steel
 e.g., pipe, concrete, wood.

Diameter, length and location of casing Shown Below
 (Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

Number and size of perforations located feet to feet
 from surface of ground. Rock Well - No alluviums or perforations functioning to yield present supply

Other Perforations:

If flowing well, give flow in c.f.s. NO or g.p.m. and shut in pressure

If nonflowing well, give depth of standing water from surface 107' 6" (7/1/53 Confined Water)

If flowing well, describe control works

On pumping test delivery was 1200 g.p.m. or July 1953 c.f.s. Drawdown was 52 feet
 (Type and size of valve, etc.)

Length of time pumped during check was 6 hr. min. Water temp. 68 °Fahrenheit.

Date of commencement of well 3/12/53 Date of Completion of well 7/3/53

Type of well rig 36L-3 Bucyrus Erie Oil Field Spudder

Telescope Hole w/Underground Reduction CASING RECORD And Completed Open Hole Record

Diam. Casing	From Feet	To Feet	Length	Wt.	Remarks" - Seals, Grouting, Etc.
26 O.D.	G.S.	122	122	5/16"	Continuous Pressure Grout Seal Within Annular
20 O.D.	G.S.	177' 8"	177' 8"	5/16"	Space between Ground Surface & 177' 8"
16 O.D.	90	394	304	9/32"	16" O.D. Casing Mills Knife Perforated between 371' - 386' For Pump Test #2 but Pressure Grouted afterwards including footing of casing before Final Pump Test #3.
15 I.D.	394	600	206		Open Basalt Rock Hole

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

Final Well Pumping Test #3 on July 1, 1953 - Static Water Level - 107' 6" Drawdown of

Following Stabilized Pumping Rates: 700 G.P.M. at 23' - 818 G.P.M. at 28' - 1000 G.P.M. at 38' - 1218 G.P.M. at 53' - 1272 G.P.M. at 60'. Water Temp. 68 deg. F. Air Temp. 88 deg. F. Water Quality: PH 8 - Total Hardness 39 - Turbidity -0 - Fluorides 1.2 p.p.m.

Analysis by City of Lewiston Laboratory.

NW 1/4 SW 1/4 35N 5E

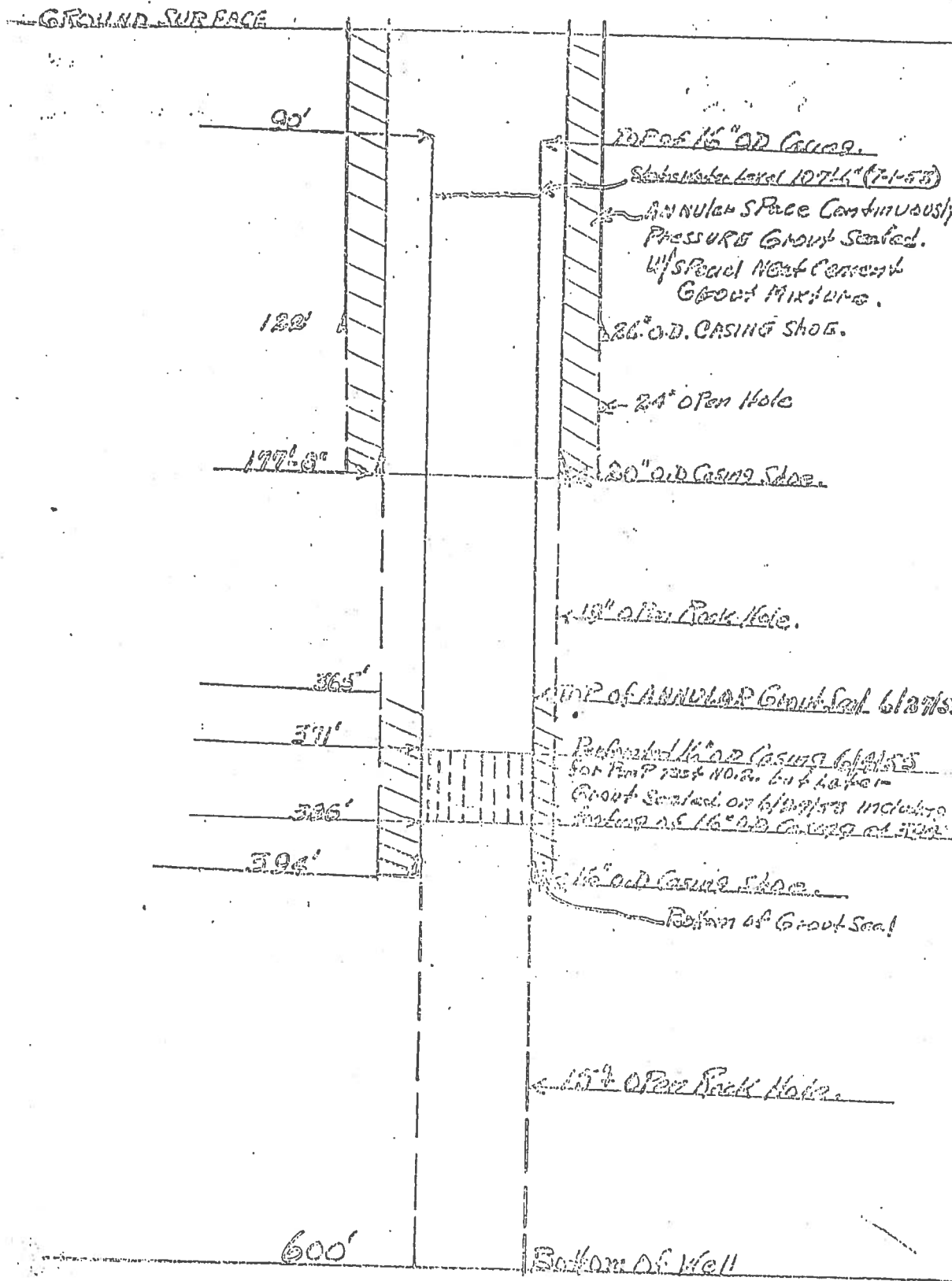
WELL LOG

NW SW S.6 35N 54

HALL AND SON - 1-ALL CODES COVER WATER WELLS, ETC.
 WELL AS A COMPLETED STRUCTURE REPORT
 by PAUL DURAND
 CITY OF LONDON, ONTARIO
 WATER SUPPLY - WELL No. 3.

FORT DURORE WELL
 AND PUMP SERVICE

JULY 16, 1953
 NOT TO SCALE
 Completed 7-2-53 600



Well 4

DEPTH OF WELL FEET	DISTANCE WIRE OFF E AT TOP OF CASING INCHES		DRIFT OF WELL INCHES	
	N	E	N	E
0	0	0	0	0
10	0	0	0	0
20	11/16	5/16	1.375	0.625
30	1 1/4	7/16	3.750	1.313
40	1 5/8	11/16	6.500	2.750
50	1 7/8	11/16	9.375	3.438
60	2 1/8	3/4	12.750	4.500
70	2 1/4	3/4	15.750	5.250
80	2 3/8	3/4	19.000	6.000
90	2 1/2	3/4	22.500	6.750
100	2 9/16	3/4	24.625	7.500
110	2 11/16	3/4	29.563	8.250
120	2 3/4	3/4	33.000	9.000
130	2 7/8	3/4	37.375	9.750
140	2 7/8	3/4	40.250	10.500
150	3 1/16	3/4	45.938	11.250
160	3 1/8	5/8	50.000	10.000
170	3 1/8	5/8		
180	3 1/8	5/8		
All readings same between 160' & 326' which would indicate wire was against casing.				
326	3 1/8	5/8		
	Bottom of Well			

The above data was taken by setting a tripod over the well and lowering a cage 7 1/2" dia. x 35 1/2" long on fine wire.

CITY OF LEWISTON, IDAHO

DEPARTMENT OF ENGINEERING

WELL No. 4 ALIGNMENT

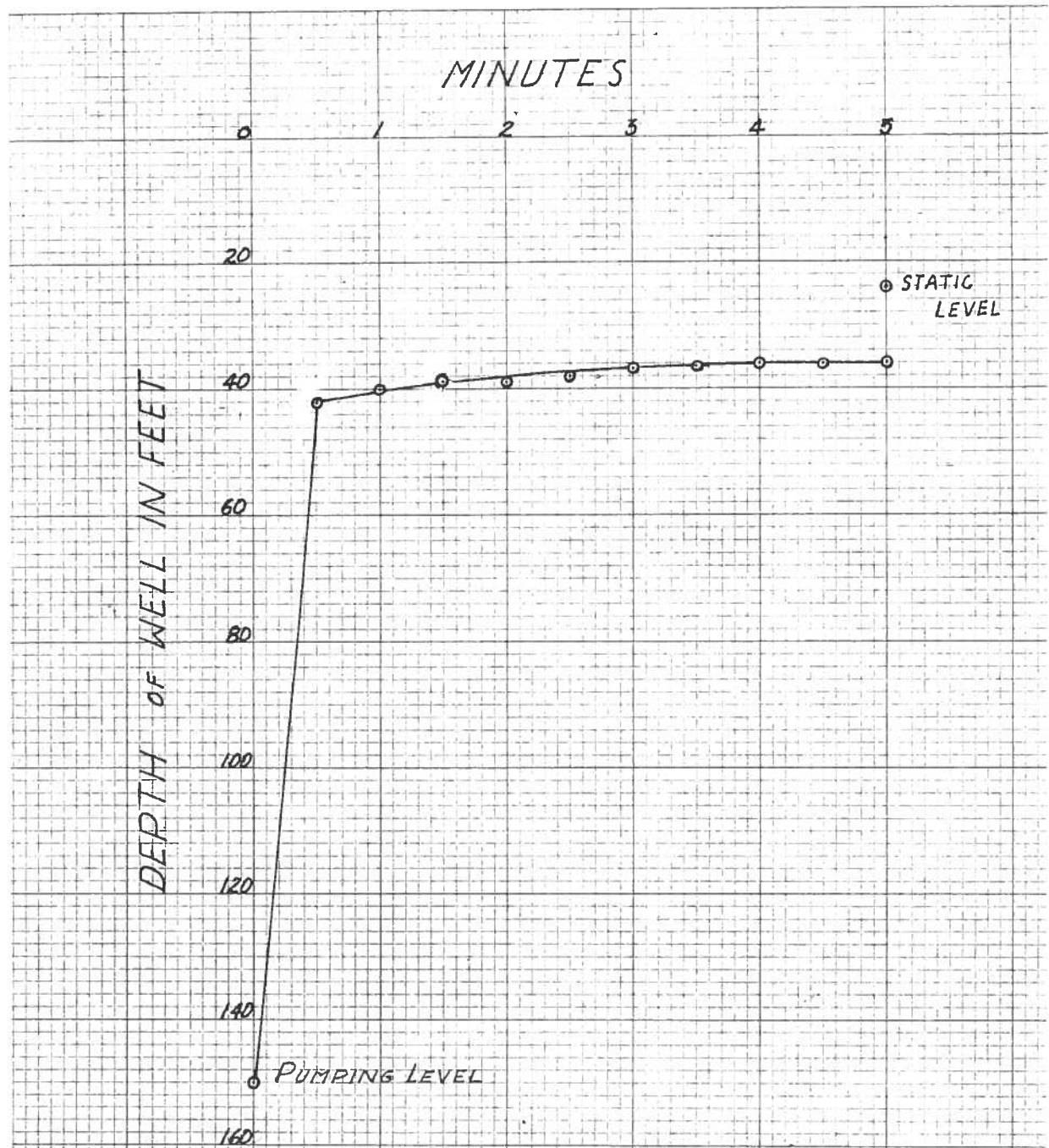
DIVISION		DESIGNED BY ERN	TRACED BY	CHECKED BY	SCALE	DATE 6-19-58
FILE NUMBER	PROJECT NUMBER	APPROVED BY			CITY ENGINEER	

FILE NUMBER

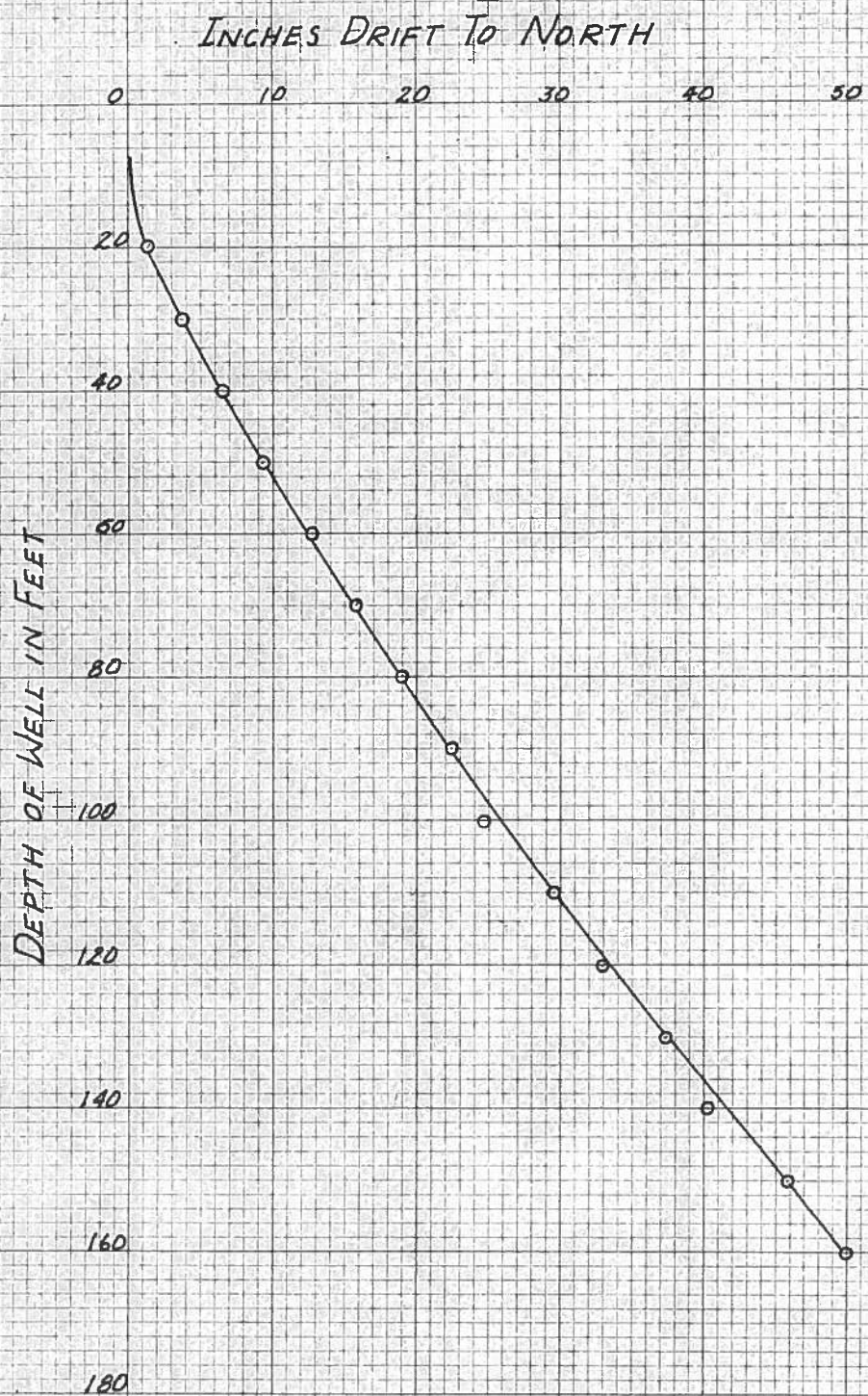
DEPTH OF WELL FEET	DISTANCE WIRE OFF E AT TOP OF CASING INCHES		DRIFT OF WELL INCHES	
	N	E	N	E
0	0	0	0	0
10	7/16	3/16	0.438	0.188
20	15/16	7/16	1.875	0.875
30	1 3/8	7/16	4.125	1.313
40	1 11/16	9/16	6.750	2.250
50	1 15/16	13/16	9.688	4.063
60	2 1/8	13/16	12.750	4.875
70	2 3/16	3/4	15.313	5.250
80	2 5/16	3/4	18.500	6.000
90	2 3/8	13/16	21.375	7.313
100	2 1/2	3/4	25.000	7.500
110	2 1/2	3/4	27.500	8.250
120	2 11/16	3/4	32.250	9.000
130	2 3/4	3/4	35.750	9.750
140	2 3/4	13/16	38.500	11.375
150	2 13/16	13/16	42.188	12.188
160	2 7/8	3/4	46.000	12.000
170	2 7/8	3/4		
180	2 7/8	11/16		
All readings same between 180' and 326' indicating wire was against casing				
326	2 7/8	11/16		
	Bottom of well			

The above data was taken by setting a tripod over the well and lowering a cage 11 1/2" x 38" on fine wire into the well.

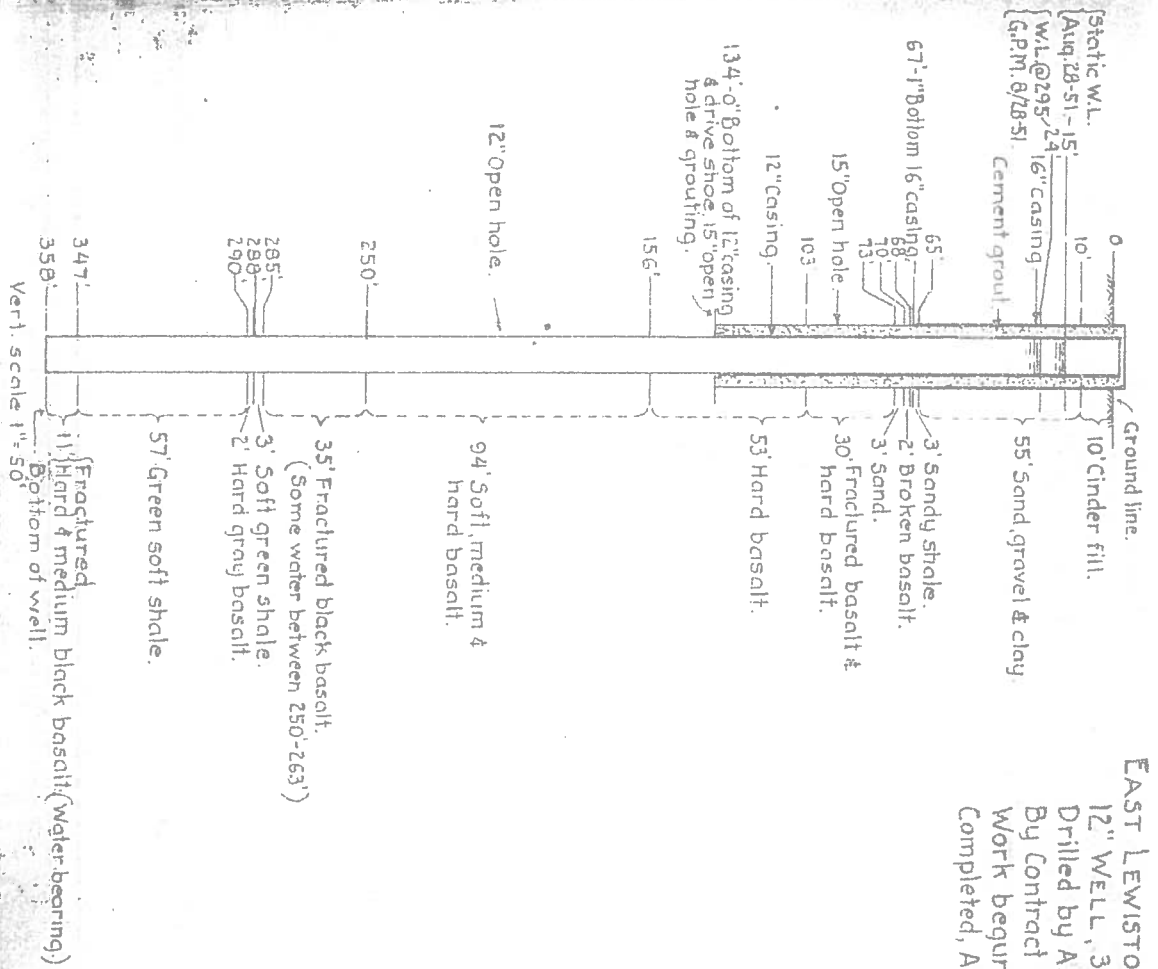
CITY OF LEWISTON, IDAHO			DEPARTMENT OF ENGINEERING		
WELL No. 4 ALIGNMENT					
DIVISION		DESIGNED BY ERN	TRACED BY	CHECKED BY	SCALE
FILE NUMBER		PROJECT NUMBER	APPROVED BY		DATE 6-19-58
					CITY ENGINEER



WELL No. 4 RECOVERY DATA
JUNE 13, 1958
MIDLAND DRILLING CO
E.R.N. CITY



WELL No. 4 ALIGNMENT WITH 7½" CAGE
6-19-58 By MIDLAND DRILLING CO.
E. R. N. CITY



EAST LEWISTON, IDAHO, A.F.E. 468-50.
12" WELL, 358' Deep.
Drilled by A.A. Durand & Son, Walla Walla, Wash.
By Contract dated, Nov. 28-50.
Work begun, June 18-51.
Completed, Aug. 31-51.

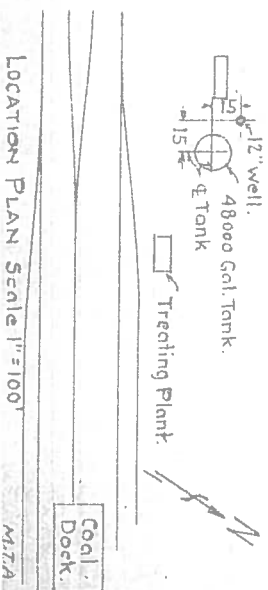
IDAHO 9
9/4-51.
C.B.R.R. DIV.

1 GRM per gal/100 = 17.12 P.P.M

WATER ANALYSIS, 8/28-51	
56.5 P.P.M. Calcium bicarbonate	3.3 G.P.G.
39 — Magnesium	2.3 "
14 — Sodium	0.8 "
109.5 sulfate	1.6 "
" chloride	2.4 "
Silica	0.0 P.P.M.
Iron	5 "
Turbidity	7.8 "
PH	12.0 G.P.G. actual.
Total dissolved solids	12.0 G.P.G. actual.

Expressed as CaCO₃

Note: See file 1449-6, For drilling and test data, Office of Engineer of Water Service. St. Paul.



3100 Country Club (give Well (S))
 DRESS: Lewiston, Idaho ADDRESS P. O. Box 437 Walla Walla, Wash. NO. 47
 Boise Meridian
 LOCATION OF WELL: Lot 4 1/4 1/4 Sec. 12, T. 35N, R. 6 E/W Nez Perce County
1/4 feet N/S, and 1/4 feet E/W from 1/4 corner of 1/4 1/4 Sec.
 ter will be used for Domestic-Industrial Total depth of well 600'
 ze of drilled hole 15 1/4"x12"x10" Weight of casing per linear foot 16" 62.5 lb.
10" 33 lb.
 ickness of casing See Weights Casing Material Standard Steel Pipe
 e.g., pipe, concrete, wood.
 ameter, length and location of casing See Log Below
 (Casing 12" in diameter and under give inside diameter;
 casing over 12" in diameter give outside diameter.)
 umber and size of perforations None located feet to feet
 om surface of ground.
 umber Perforations: None
 flowing well, give flow in c.f.s. or g.p.m. and shut in pressure
 onflowing well, give depth of standing water from surface
 flowing well, describe control works
 (Type and size of valve, etc.)
 pumping test delivery was 805 g.p.m. or c.f.s. Drawdown was 108 ft
 ight of time pumped during check was 12 hr. min. Water temp. 63° Fahrenheit
 e of commencement of well 8/18/53 Date of Completion of well 11/14/53
 e of well rig Bucyrus-Erie 29T Oil Field Spudder

FINISHED OPEN ROCK HOLE AND CASING RECORD

DEPTH OF WELL 600'

Diam.	From	To		"Remarks"--Seals, Grouting, Etc.
Casing	Feet	Feet	Length	
OD x 15 1/4"				
ID	G.S.	40'	40'	Casing - Natural Clay Seal (15' of Yellow & Pink Clay)
15 1/4"	40'	85	45'	Open Rock Hole
12"	85	305	220'	Open Rock Hole
I.D. x				
0-3/4"	305	330	25'	Casing - Liner
10"	330	600	270'	Open Rock Hole

GENERAL INFORMATION--Pumping Test, Quality of Water, Etc.

TEST NO. 1 - FINAL - NOVEMBER 13, 14, 1953 - 12 Hrs. S. W. L. 128' 204' 8-1-64

PM	PUMPING LEVEL	DRAWDOWN	
05'	236'	108'	Water Temp. 63 deg. F.
54'	192'	64'	Well Cleared Up and In
70'	166'	38'	Good Usable Condition
			Water Pure

RECEIVED
Form 238-7
7/94
DEC 13 1995

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

1/2

1. DRILLING PERMIT NO. 85-94-C-0082 - 000
Other IDWR No. 85-07601

2. OWNER:
Name City of Lewiston, Idaho
Address P.O. Box 617
City Lewiston State ID Zip 83501

3. LOCATION OF WELL by legal description:
Sketch map location must agree with written location.

N
W
E
S

Twp. 35 North ☒ or South ☐
Rge. 6 East ☐ or West ☒
Sec. 12 NW 1/4 SE 1/4 SE 1/4
Gov't Lot _____ County _____

Address of Well Site 445 Oconner Road
City Lewiston
(Give at least name of road + Distance to Road or Landmark)

Lt. _____ Blk. _____ Sub. Name _____

4. PROPOSED USE:
☐ Domestic ☒ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK
☐ New Well ☒ Modify or Repair ☐ Replacement ☐ Abandonment

6. DRILL METHOD
☒ Mud Rotary ☒ Air Rotary ☒ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Sacks or Pounds		
Neat Cement	0	60	3 yds		poured into hole around casing
Neat Cement	0	670	45 yds		pumped

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
Was drive shoe seal tested? Y ☐ N ☒ How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
20"	0	60	375	Steel	☒	☐	☒	☐
16"	0	638	344	Steel	☒	☐	☒	☐
13.375	625	990	500	Steel	☐	☒	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS N/A

☐ Perforations Method _____
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
						☐	☐
						☐	☐
						☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

560 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: _____

NWSESE 12 35N 6W

11. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1500 GPM	Approx 400"	850	6 Hrs.

Water Temp. 81 F Bottom hole temp. 81 F

Water Quality test or comments: N/A
* distance from kelly bushing approx 10'

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
26	*0	4	Topsoil		X
26	4	60	Clay and broken basalt #1		X
18 1/2	60	120	Black basalt soft		X
18 1/2	120	220	Black basalt fractured		X
18 1/2	220	255	Basalt with clay		X
18 1/2	255	277	Black and brown basalt		X
18 1/2	277	300	Black basalt hard		X
18 1/2	300	420	Clay, sand and broken basalt		X
18 1/2	420	484	Black basalt soft		X
18 1/2	484	494	White Sand	X	
18 1/2	494	510	Sand and broken basalt	X	
18 1/2	510	610	Gray basalt fractured hard		X
18 1/2	610	647	Gray basalt hard #2		X
18 1/2	647	670	Black basalt soft		X
18 1/2	670	700	Gray basalt hard		X
18 1/2	700	730	Black basalt		X
18 1/2	730	755	Black and brown basalt		X
15	755	796	Gray basalt medium hard		X
14 1/2	796	840	Gray basalt hard		X
14 1/2	840	946	Basalt hard		X
14 1/2	946	988	Black basalt & Red soft	X	
14 1/2	988	1010	Basalt Gray hard #3		X
12 1/2	1110	1126	Basalt gray med hard		X
12 1/2	1126	1137	Basalt red and black soft	X	
12 1/2	1137	1156	Basalt gray hard		X
12 1/2	1156	1178	Basalt red & black soft	X	
12 1/2	1178	1270	Basalt gray		X
12 1/2	1270	1298	Basalt red & black soft	X	
12 1/2	1298	1401	Gray basalt fractured		X
12 1/2	1401	1430	Basalt Black & Red	X	
			*1 Set 20" casing to this depth		
			*2 Set 16" casing to this depth		
			*3 Set 13.375" liner to this depth		

Completed Depth 1430 from ground level (Measurable)
Date: Started 5/2/95 Completed December 4/95

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the log was removed.

Firm Name AQUA DRILLING and ENGINEERING Firm No. 553

Firm Official Doug Galipeau Date 12/8/95

and Supervisor or Operator Doug Galipeau Date 12/8/95

(Sign once if Firm Official, Operator)

2/2

(Sign once as Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES