

Considered: _____

WATER PERMIT NO. 1364-1

MAP No. Same

Name of Applicant City of McLaughlin

Post Office Address PO Box 392, McLaughlin SD 57642

Amount of Water Claimed .735 cfs Total Acres NA

Source of Water Supply groundwater

Water to be used for Municipal purposes County Corson

About _____ miles _____ of in McLaughlin.

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved 12/16/86 Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received August 7, 1986 Fee \$300.00 Remarks _____

8/7/86

Corrected Application Received _____ Period of Annual Use Jan 1 - Dec 31

WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

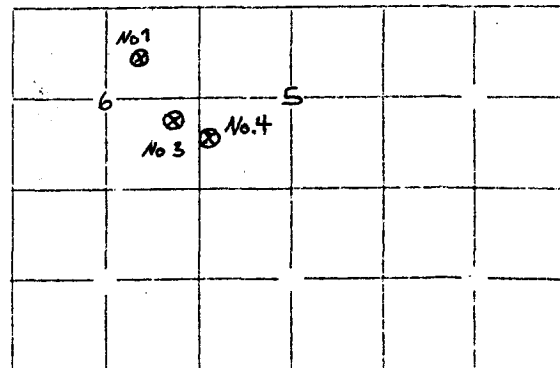
WI-1 Description same as Application YES _____ NO _____ REMARKS _____

Diversion Point well No. 1: SW 1/4 NE 1/4 section 6;

well No. 3: NE 1/4 SE 1/4 section 6; well No. 4:

NW 1/4 SW 1/4 section 5; all in T21N - R27E

Land to be Irrigated NA



Well Log: Driller Aberle Well Co No. 3
Huron Drilling No. 4
Christensen Supply No. 1 Licensed YES _____ NO _____

Depth of Well 125 ft 135 ft 105 ft REMARKS _____

Type of Map Plat PREPARED BY Helms & Associates Reviewed and the Number

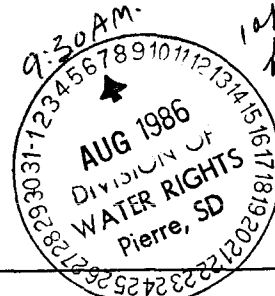
assigned on September 23, 1986 By Ron Duvall

No. 1364-1 Hydrologic Unit 10130102
 Map No. same Basin Missouri R
 Newspaper McLaughlin Messenger, Box 388 (Thu)

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use of water: Industrial ☐ Commercial ☐ Municipal ☒ Other Common Distribution System ☐
 Rural Water System ☐ Suburban Housing ☐ Geothermal Heat ☐ Institutional ☐ Recreational ☐
 Domestic ☐ (above 18gpm) Other ☐

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐☐ Amend Permit No. _____ with old priority date retainedChange diversion point(s) ☐ Add diversion point(s) ☐ Other ☐☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____☐ Construction to use water reserved by Future Use Permit No. _____1. Name of Applicant City of McLaughlin Phone No. 823-4428Post Office Address PO Box 392 State SD 57642
(Street, RR or Box) Zip Code2. Amount of water claimed (c.f.s) 0.29 cfs, 0.245 cfs, 0.20 cfs TOTAL 0.735 cfs3. Source of water supply Wells (City # 1, 3, & 4)4. Location of point of diversion Well No 1: SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 6; Well No 3: NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 6;Well No. 4: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 5; all in T21N, R27EWithin City of McLaughlin County Corson5. Counties where water will be used Corson6. Annual period during which water is to be used Yearly Jan 1 - Dec 31

7. Give a brief description of proposed project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

Existing wells drilled in August, 1971, May, 1976 & August, 1978. See attached well logs and location map.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
County of CORSON)^{ss}I, City of McLaughlin the applicant, certify that I have read the foregoing application, have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.Signed [Signature]Subscribed and sworn to before me this 6th day of August, 1986My Commission Expires Butch Schneidh
July 30, 1989 Notary Public (or other qualified officer)

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1364-1
City of McLaughlin PO Box 392, McLaughlin
(Applicant) (Post Office Address)
SD 57642 With the following qualifications.
(State) (Zip Code)

The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner, under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

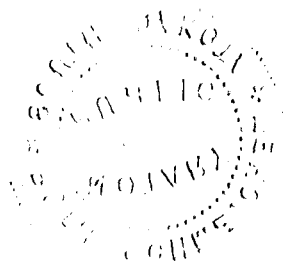
Date of first receipt of application August 7, 1986.

Date of return to applicant for correction, amendments or changes required _____, 19____.

Date of receipt of corrected application _____, 19____. Approved December 10, 1986.

The Water Management Board hereby approves this Water Permit No. 1364-1 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is August 7, 1986.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before _____, 19____.
3. The whole of said work is to be completed on or before _____, 19____.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is _____, 19____.
5. The water appropriated shall be used for the purpose of municipal use
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 0.735 cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served and to which water is actually and beneficially applied for municipal use on or before _____, 19____; said water to be used during the following described annual period: Jan 1 - Dec 31



WATER MANAGEMENT BOARD
 By: John H. [Signature]
Chief Engineer
 Division of Water Rights
 Dept. of Water and Natural Resources
FEB 17 1987
 _____, 19____

Location of the diversion points for Water Permit No. 1364-1

Well# 1: 1300 feet south, 1380 feet west from the Northeast corner of Section 6,

Well# 3: 1970 feet north, 788 feet west from the Southeast corner of Section 6,

Well# 4: 1340 feet north, 157 feet east from the Southwest corner of Section 5,

All in T21N-R27E

Supplemental Information

(type or print in ink)

Note: All information listed below is in the following order; Well #1,3 & 4

1. Well Information - Proposed construction

- a) Drill Hole Diameter 16", 20", 16" Depth 125', 135', 105'
- b) Casing Type Steel (all) Diameter 8" (all) Thickness _____
- c) Screen Type Stainless Steel (all) Diameter 8" (all) Thickness _____
- d) Gravel Pack Thickness 4", 6", unknown Length of Gravel Pack 99', 50', unknown
- e) Depth to Top of Water Bearing Material 30', 35', 35'
- f) Depth of Water (ground surface to water level) 32', 36', 35'
- g) Distance to nearest existing domestic well: 650 feet

On applicants property X On property owned by others _____

2. Dugout Information Estimates

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam please give their name and address

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Outlet Dimensions:
Pipe diameter _____

Spillway width _____

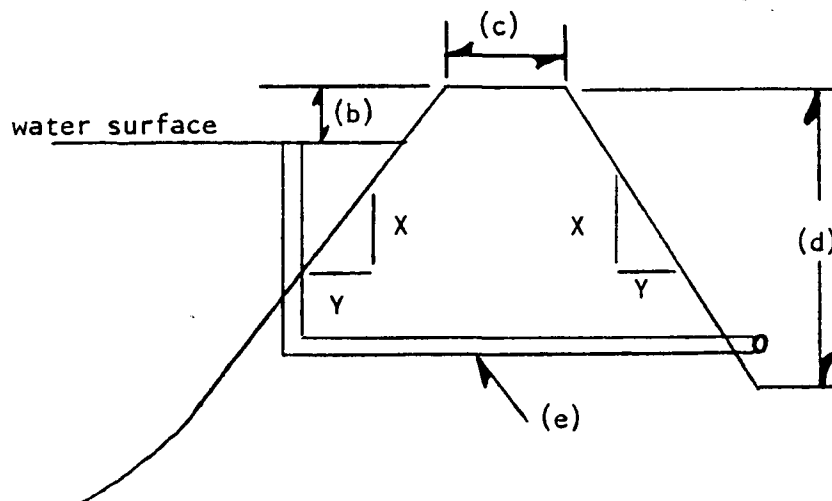
f) X & Y Slope
Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Bacteriological Sample(s)

- a. How many samples were collected? One
1. # safe: One # unsafe: _____
- b. Have unsafe bacteriological samples been collected recently?
1. If yes, describe what has been done to eliminate the source of contaminants: _____
- c. Are bacteriological samples being submitted as required? _____

Yes No N/A

☐ ☒ ☐

☒ ☐ ☐

14. Chemical Sample(s)

- a. # of samples collected and type: Complete sample from Higher Well

15. Certification

- a. Is a certified operator required? Lornie Hach, IW and IWD
- b. Is the operator certified? _____
- c. Does the operator desire training, PLP and/or certification? _____

☒ ☐ ☐

☒ ☐ ☐

☒ ☐ ☐

16. Water Rights

- a. Have water rights been obtained?
1. License or permit #(s): 445-1 for 4 wells and surface impoundment.

☒ ☐ ☐

Improvements

- a. Are improvements planned to the water system?
1. If yes, describe: _____

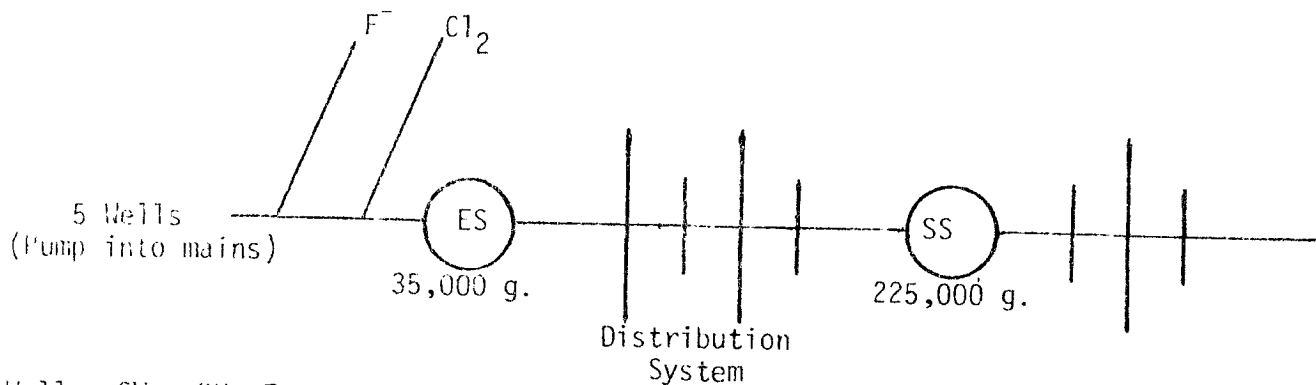
☐ ☒ ☐

General Comments:

19. Flow Diagram of Facility:

McLaughlin, SD

Class I Water Treatment
Class I Water Distribution



Well	SW	PH	Football	Lefty	Higher
Date	1968	1972	1977	1960	1978
Depth	160'	160'	160'	160'	160'
Dia.	6"	6"	6"	6"	6"
GPM	35	130	80	82	70

RELATIONS: See Attached Sheet(s)

9/79

Recommendations for McLaughlin

1. A free chlorine residual of 0.3 mg/l should be detectable at any point in the distribution system. This should be tested for regularly.
2. As a reminder, the United States Fire Insurance Services do not recommend the use of water mains smaller than 6 inches in diameter. A pumper fire truck should never be connected to a fire hydrant serving mains less than 6 inches in diameter because contamination of the water supply could result from back siphonage conditions or damage to the distribution system could result from possible negative pressures. To be assured of adequate fire and back siphonage protection, all future water main installations must be 6 inches in diameter or larger. The Department of Water and Natural Resources recommends that when using less than 6 inch diameter mains, only flushing hydrants be installed.
3. McLaughlin's Water Right #445-1 is for four wells and a surface impoundment. These wells were Well #1 (drilled in 1928), Well #2 (1947), and the Railroad Wells (both in 1927). It appears that none of these wells are currently being used. The Division of Water Rights will be notified as to the wells in use. A new water right may have to be applied for in view of the fact that your water right is for four wells and McLaughlin is now using five wells. For more information please contact Division of Water Rights, Department of Water and Natural Resources, Joe Foss Building, Pierre, South Dakota 57501. Telephone (605) 773-3352.

Bacteriological Sampling and Analysis

The State Department of Water and Natural Resources requires that all public water supplies submit water samples on a routine basis to the State Health Laboratory in Pierre or other EPA certified laboratory. Bacteriological samples should be collected from different points in the distribution system so that the water sampling record will provide an indication of the water quality within the entire distribution system.

Your water analysis record for 1982 is as follows:

Samples Submitted	<u>11</u>	Safe Samples	<u>11</u>
Samples Required	<u>1/mo.</u>	Unsafe Samples	<u>0</u>
Survey Samples	<u>1 safe</u>	Recheck Samples	<u>0</u>

Fluoride Sampling and Analysis

The State Fluoridation Law requires that the fluoride level be adjusted within a range of 0.9 to 1.7 mg/l with 1.2 mg/l being the optimum level for South Dakota. The Law also requires that representative water samples be collected from the distribution system and submitted to the State Health Laboratory in Pierre for fluoride analysis. Studies have shown that a fluoride concentration between 0.9 and 1.2 mg/l can prevent 35% of dental caries, however, a constant fluoride concentration at the optimum level of 1.2 mg/l can provide a 60 to 65% reduction in dental caries.

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

410510

Pierre, August 7, 1986

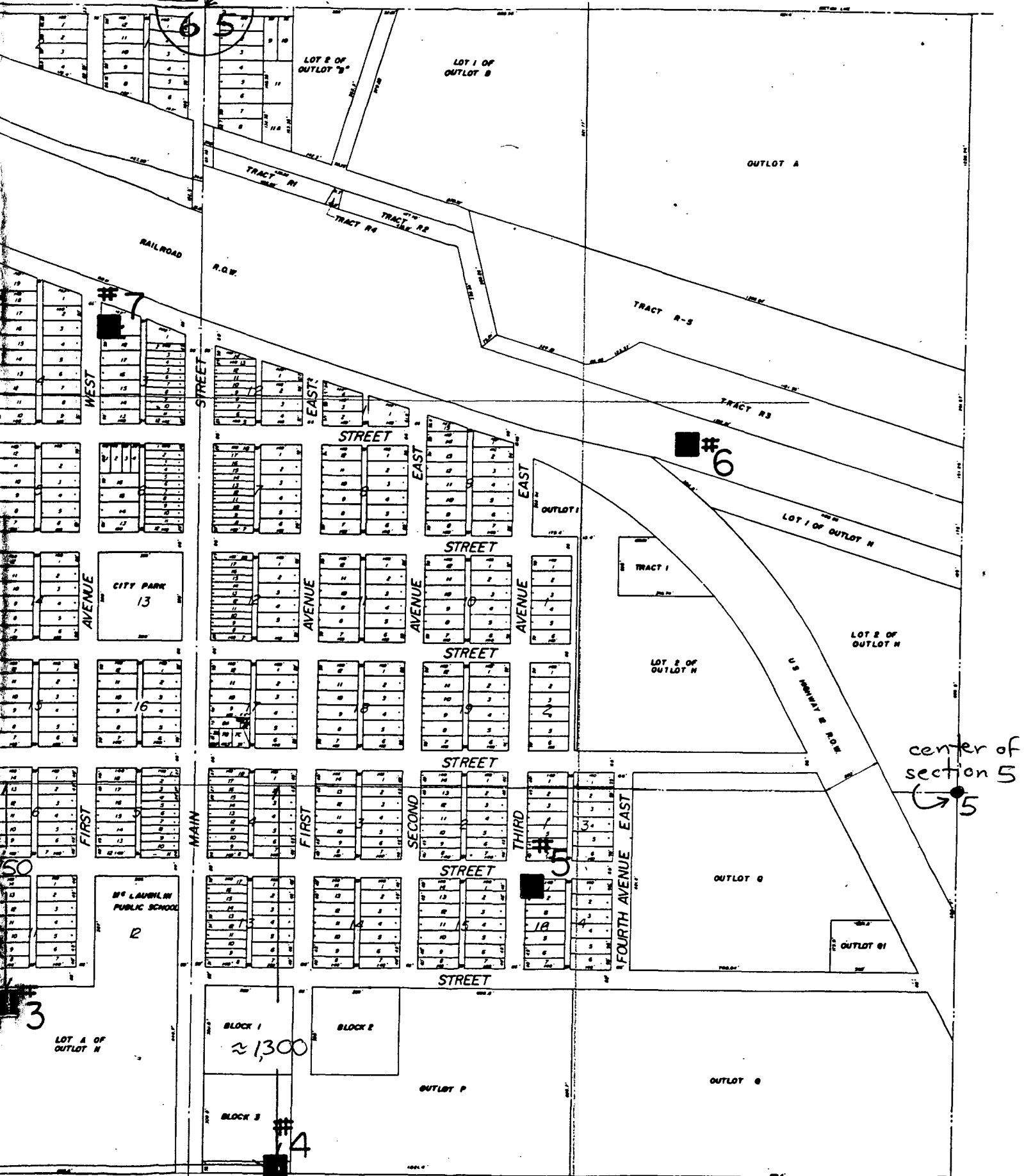
RECEIVED OF City of McLaughlin, Box 392, McLaughlin, SD 57642

the following amount in fees for services rendered as provided for by law:

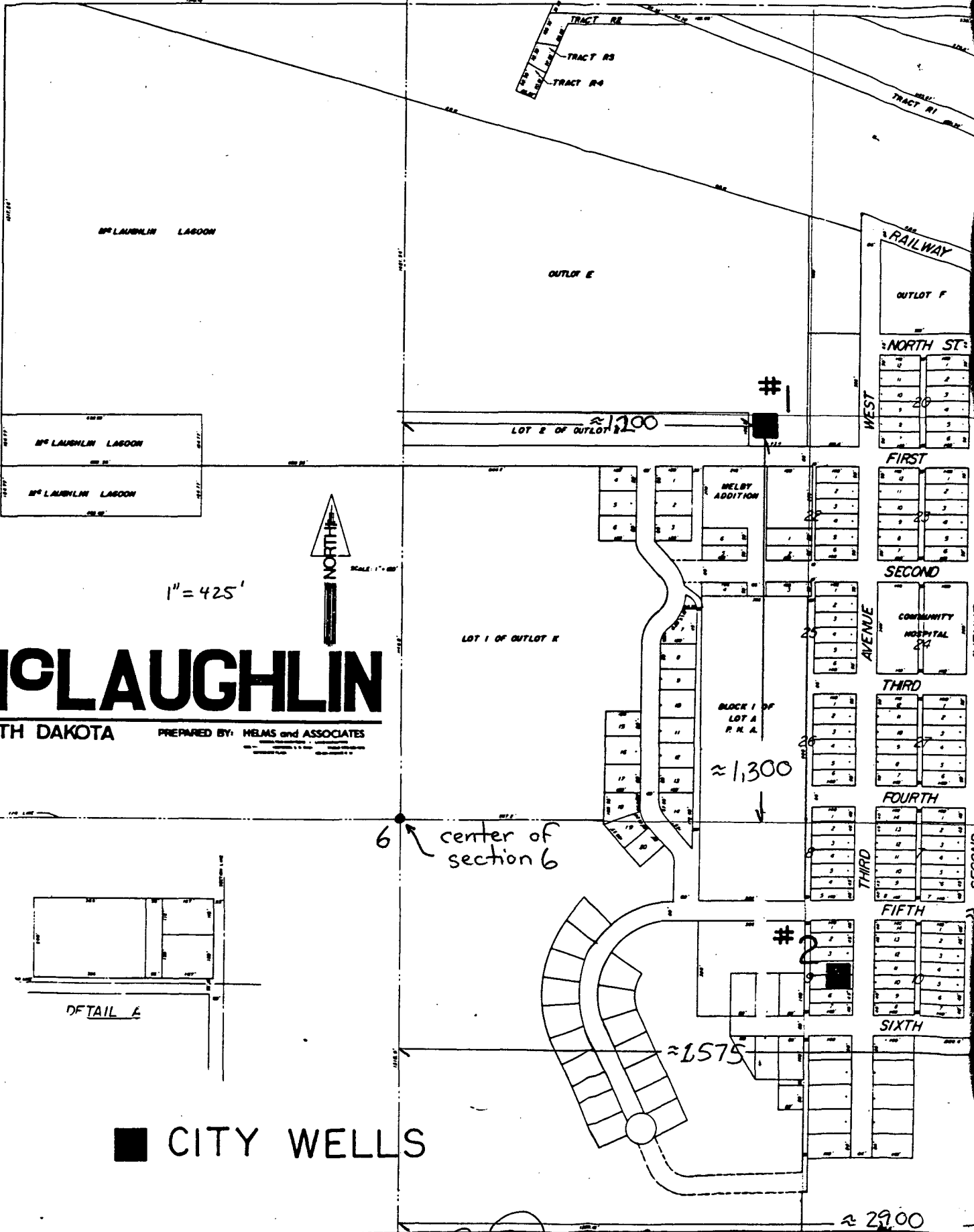
Fee for Application for Permit No. 1364-1 to Appropriate Water, to construct works and to put water to beneficial use	300	00
Fee for Application for Permit No. to Appropriate Water for Future Use		
Fee to retain Future Use Permit No. after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No.		
Fee for Filing Transfer Form		
Fee for Filing Extension Request		
Fee for Certified Copy of		
Fee for Print Copy of Map		
Fee for Certifying		
Fee for		
(Any Other Work Provided by Law)	Total	300 00

By John Hatch
Chief Engineer JOHN HATCH/ms

A



Wm. H. N. 177



McLAUGHLIN

SOUTH DAKOTA

PREPARED BY: HELMS and ASSOCIATES

Ron D. Small
Natural Resources Engineer

8/14/2000

City Well No. 1

ABERDEEN AREA INDIAN HEALTH SERVICE
P.L. 86-121

Near
Baseball
Diamond
City #1

W E L L L O G

Well Owner: PHS--City of McLaughlin, South Dakota Home No.:
Location: McLaughlin, South Dakota
Drilled By: Christensen Supply Company Date: 8-25-71
Project No.: AB-70-006 & 947 Contract No.: HSM80-71-298

Depth: Description of Formation:

0	to	5	gray clay
5	to	10	br. & gr. sand w/gravel
10	to	15	brown sandy clay
15	to	20	sand rock & sand
20	to	25	sand rock
25	to	30	rusty sand rock changing to
	to		gravel
30	to	35	gray sand w/trace of water
35	to	40	fine blue-gray sand w/water
40	to	45	course blue-gray sand w/water (hard drilling)
45	to	50	blue-gray sand w/ water

(See Attachment)

SIZES AND MATERIALS USED

All Depths Measured from Top Surface of ~~Well Casing~~ Top of Ground

Top Casing Line: Nominal I.D. 8 Material
Depth Cased 7' ft. to 60 ft. Wt/ft 28.55 ft.
Any Reduced Casing Sizes: no

Grout Envelope: Thickness 4 in.
Depth Grouted 26 ft. to 8 ft.

Pitless Adapter: Make Monitor Model 7PS81013S9-C4
Depth of Discharge 7 ft. CAP Type C4

Well Screen: Make Johnson Model
Type 304 stainless steel

Diameter 8" pipe size. Length 65 ft. Slot 35 in.
Depth Screened 60 ft. to 125 ft. Slot in.
 ft. to ft. Slot in.

Spacer(s) 4

Fitting at Top Fem.

Fitting at Bottom bail

Packer Description

Gravel or ~~SAND~~ Material .044" eff. size; U.S. 1.3 or .80-1.20 mm sand
Thickness 4" in. Depth 125 ft. to 26 ft.

(Attach Gradation Curve)

Total Depth to Bottom of Well 125 ft.
Total Depth to Bottom of Casing 60 ft.
Total Depth to Bottom of Drop Pipe ft.
Total Depth to Pump Inlet ft.

PUMP DATA

Pump Type: _____ Manufacturer _____
Model No. _____ Size (Diameter) _____ in. Length _____ in.
Series _____ GPM Serial No. _____
Motor Type: _____ Make _____
_____ volt _____ amp _____ wire _____ phase _____ H.P.
Serial No. _____
Drop Pipe: Nominal I.D. _____ in. Material _____
Length _____ ft. Wt/ft _____ lb.

Pump Test Data

Static Water Level: 31'8" _____ ft.
Pumped at 165 gpm for 5 1/2 hours with a resulting drawdown of 24 ft.
Bacteriological Test: Safe _____ Unsafe _____
Date _____ Date _____
Chemical Test: YES (X) NO ()

NOTES:

DRAWINGS

NOTES

50-55 Grey sand w/water hard drilling
55-60 fine green-grey sand w/water
60-65 same as above
65-70 same as above easy drilling
70-75 same as above easy drilling
75-80 course grey sand w/water--some clay
82-83 hard rock drilling
83-85 course grey sand w/water
85-87 gray sand w/water
87-92 course grey sand w/water
92-94 sand rock
94-95 sand w/water
95-100 course sand w/water-hard drilling
100-102 sand stone
102-105 fine sand w/water easy drilling
105-111 fine gray sand w/water
111-112 sand rock
115-120 same
120-125 same
125-130 same

(Attach any available information on materials and equipment; pump performance curves, pump test data (drawdown and recovery), and any other pertinent data.

FIELD PUMPING TEST Water Level Measurements

Well No. 1:

Location: McLaughlin, SD
Date: 8-25-71

TIME OF MEASUREMENT	ELAPSED TIME - MINUTES	TAPE MEASUREMENT		ELEC. ELEV. OF MARKER INCHES	DEPTH OF WATER FEET	DRAW-DOWN FEET	PUMP-ING RATE GPM	REMARKS
		MARK HELD FT.	WETTED PORT. INCHES					
10:25		52'			31'8"		1.65	static level
10:55	30	29'			54'8"	23	1.65	
10:56	31	28'				24	1.65	
10:57	32	28'				24	1.65	
10:58	33	28'				24	1.65	
10:59	34	28'				24	1.65	
11:00	35	28'				24	1.65	
11:05	40	28'			55'8"	24	1.65	
11:10	45	28'				24	1.65	
11:15	50	28'				24	1.65	
11:20	55	28				24	1.65	
11:25	60	28'				24	1.65	
11:30	65	28'				24	1.65	
11:40	75	28'				24	1.65	
11:50	85	28'				24	1.65	
12:00	90	28'				24	1.65	
12:10	100	28'				24	1.65	
12:20	110	28'				24	1.65	
12:30	120	28'				24	1.65	
12:40	130	28'				24	1.65	
12:50	140	28'				24	1.65	
1:00	150	28'				24	1.65	

From 1:00 to 4:00 PM readings taken every 30 minutes, and they remained the same.

September 16, 1971

Dakota Well Drilling
Selfridge, North Dakota 58568

Gentlemen:

We have examined the sample of water which you submitted for analysis. The results are as follows:

Laboratory Number 71-2185 - Water Sample
(City of McLaughlin, S. Dak.)

Total Solids:	428 ppm.
Fixed Solids:	282 ppm.
Total Hardness (as CaCO ₃)	294 ppm. or 17 gr./gal.
pH	8.1
Elec. Cond. (@ 25° C)	736 micromhos/cm
Alkalinity (as CaCO ₃)	
Carbonates	0
Bicarbonates	337 ppm.
Chloride (Cl)	1.0 ppm.
Sulfate (SO ₄)	67 ppm.
Iron (Fe)	0.29 ppm.
Nitrate (NO ₃)	0

The standards recommended by the United States Public Health Service relating to drinking and culinary water supplied by common carriers state that the mineral content should not exceed 1,000 ppm. (parts per million) total solids; 250 ppm. chlorides; 250 ppm. sulfates; 44 ppm. nitrates; 100 ppm. magnesium and 0.3 ppm. iron. We give you this information as a guide for evaluating your sample of water.

This is a good quality water as to mineral content. It is hard but hardness can contribute flavor character.

Yours truly,

STATE LABORATORIES DEPARTMENT

L. A. Koehler
State Food Commissioner & Chemist

Howard Hammond
Howard Hammond
Chemist

HH/lma

*Copy to
Addie Hay
McLaughlin
11-13-74
eas*

South of
School
City #3

Well Owner: MCLAUGHLIN COMMUNITY Home No.:
Location: McLaughlin, South Dakota (South Well)
Drilled By: Aberle Well Co. Date: 5-14-76
Project No.: AB-74-416 Contract No.: 241-76-0286

SIZES AND MATERIALS USED

Gravel or Sand Pack:	Material	Red flint & pea gravel	85-135'
	Thickness:	6 in.	Depth 85 ft. to 135 ft.

52' Formation stabilizer

Total Depth to Bottom of Well 135 ft.)
 Total Depth to Bottom of Casing 78 ft.)
 Total Depth to Bottom of Drop Pipe _____ ft.)
 Total Depth to Pump Inlet _____ ft.)

From Top of Casing

PUMP DATA

Pump Type: _____ Manufacturer _____
Model No.: _____ Size (Diameter) _____ in. Length _____ in.
Series _____ GPM Serial No. _____
Motor Type: _____ Make _____
_____ volt _____ amp _____ wire _____ phase _____ H.P.
Serial No. _____
Drop Pipe: Nominal I.D. _____ in. Material _____
Length _____ ft. Wt/ft _____ lb.

Pump Test Data

(Attach Test Pumping Results)

Static Water Level: 36 ft. Recovery to _____ ft. within _____ hrs.
Pumped at 170 gpm for 24 hours with a resulting drawdown of 95 ft.
Bacteriological Test: Safe ☒ Unsafe ☐
Date _____ Date _____
Date Chemical Test Sample Taken ☒ Submitted to _____

NOTES: _____

DRAWINGS

NOTES

*Test Pump shut in
Engineers Office*

(Attach any available information on materials and equipment, pump performance curves, pump test data (drawdown and recovery), and any other pertinent data.)

PREPARED BY: *James A. [Signature]*

DATE: 5-14-76

REVIEWED BY: _____

DATE: _____

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Pierre, South Dakota 57501
DRINKING WATER SUPPLY CHEMICAL ANALYSIS DATA

SAMPLE DATA

LABORATORY ANALYSIS (1)
(Results in mg/l unless noted)

Public Water Supply: McLaughlin Comm. Well		Sodium (Na)	288
McLaughlin, South Dakota		Potassium (K)	3.8
City Post Office: McLaughlin, S. Dak.		Calcium (Ca)	16.5
Sample Collector: Aberle Well Co.		Magnesium (Mg)	8.0
Date Collected: July 19, 1976		Manganese (Mn)	0.23
Depth: 135'	Diameter: 20"	Nitrate (as N)	<1
Date Built: June 19, 1976		Fluoride (F) (2.4)	<0.5
Surface Source:		Chloride (Cl)	10.5
Raw Sample: XX	Treated Sample:	Sulfate (SO ₄)	155
Treatment Process:		Bicarbonate (HCO ₃)	630
		Carbonate (CO ₃)	
		pH (Standard Units)	8.00
Comments:		Solids: Total	822 Diss.
		Iron (Fe)	0.47
		Turbidity (TU)	
Report to: Aberle Well Co.		Langelier Index @	OF.
Box 181		Alkalinity (m) (CaCO ₃)	516
Mobridge, South Dakota 57601		Alkalinity (p) (CaCO ₃)	
		Hardness (CaCO ₃)	74.1 mg/l 4.3 gpg
Copies to: Same as above		Conductivity @ 24°C.	1040 (µmho/cm)
		Arsenic (0.05)	
		Barium (1.0)	
		Cadium (0.01)	
		Chromium (0.05)	
Date Received: 7-20-76 (1330)		Lead (0.05)	
Analyst: JLF		Mercury (0.002)	
Report Sent: 7-26-76		Selenium (0.01)	
Posted: no		Silver (0.05)	
Filing: 5.2 McLaughlin		Endrin (0.0002)	
Pl-8-4-76		Lindane (0.004)	
Billed 7-21-76		Methoxychlor (0.1)	
Percentage of Error: 0.7 / 3.3		Toxaphene (0.005)	
Estimated Arrival:		2, 4-D (0.1)	
		2, 4, 5-TP (0.01)	

(1) Numbers in parenthesis denote maximum contaminant levels as set forth by the Federal Drinking Water Standards.

762251

Lab. No. _____

HURON DRILLING INC. DRILLERS LOG

PAGE NO. 4

City of McLaughlin JOB NAME	McLaughlin, So. Dak. LOCATION	8/11/78 DATE	9 RIG NO.	Tom Rathjen FOREMAN
--------------------------------	----------------------------------	-----------------	--------------	------------------------

Jt. No.	DEPTH	TIME	REMARKS
1	23		Yellow Clay
2	43		35-40 Fine sand streaks
3	63		45-55 Fine sand
4	83		55-63 Sand and hard shells
5	105		63-75 Fine sand open
			75-83 Fine sand some hard layers
			83-85 Hard Layers Tuff
			85-100 Fine sand
			100-105 Sand and clay
			Cased to 102 Feet

City Well No. 4

2nd well

WELL REPORT

HURON DRILLING CO.
Huron, S. D.

5089

City of McLaughlin
OWNER

August 25, 1978

DATE

DESCRIPTION

CASING LOG

Depth	ft.	62	ft.	8" Steel PE	pipe to	62	ft.
Flows	gpm						
Pumps	gpm	40	ft.	8" Stainless Steel Screen	pipe to	102	ft.
Head	ft.		ft.		pipe to		ft.
10 Ft. Johnson Stainless Steel Screen			ft.		pipe to		ft.
Perforations							

Pressure

REMARKS

Drilling Time

10 Ft. Johnson Stainless Steel Screen 8"-23 slot
30 Ft. taken out of Well #1 and used in well No. 2

Rig No. 9

Tom Rathjen

Foreman
DM

over 90 Bags 1/4 x 1/8 gravel

37 ft. static at first

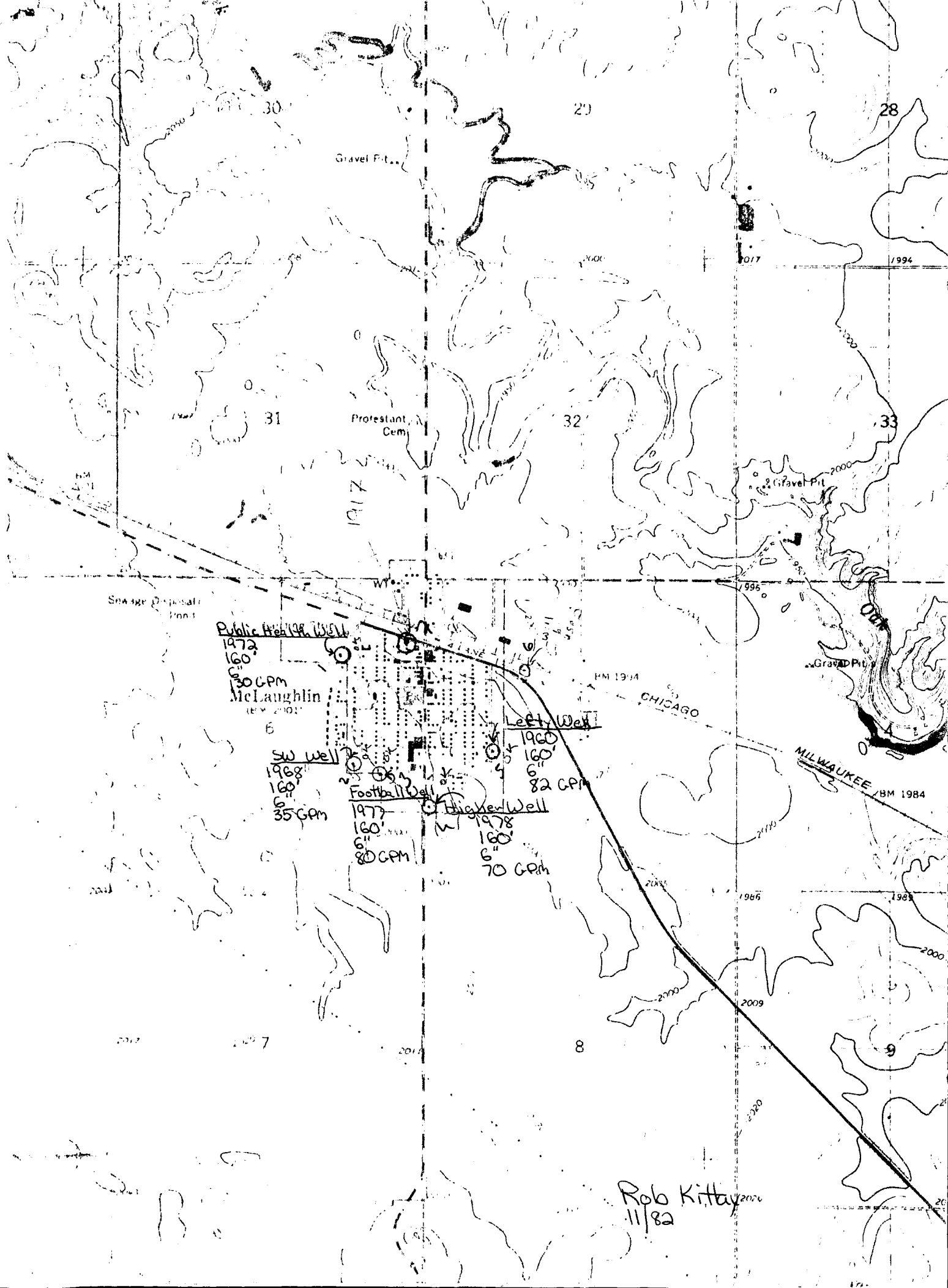
After start static 33 ft

Sent copies of Permit

MEMORANDUM

TO : BETTY WESTLUND, WATER RIGHTS
FROM : ROB KITTAY, DRINKING WATER *Rob*
SUBJECT : MCLAUGHLIN WATER RIGHT #445-1
DATE : NOVEMBER 22, 1982

McLaughlin Water Right #445-1 is for four wells and a surface impoundment. These are a Well #1 (drilled in 1928), Well #2 (1947), and two Railroad Wells (both in 1927). None of these wells are currently in use. Currently being used are five wells that are located on the enclosed map. I have no information on the current status of the surface impoundment.



WATER RIGHTS DIVISION
(605) 773-3352

March 3, 1983

City of McLaughlin
Box 392
McLaughlin, South Dakota 57642

Dear Sirs:

In answer to your phone call on March 3, 1983 regarding water rights for the City. Enclosed are copies of the cities vested right. It is our understanding the wells under this water right have been replaced and an additional well has been drilled.

Enclosed are our Forms and instructions to make application for a permit for the City.

If you have any questions please contact our office.

Sincerely,

Betty Westlund
Water Rights Specialist

BW:ms
Enc.

WATER RIGHTS DIVISION
(605) 773-3352

June 9, 1986

City of McLaughlin
c/o Lonnie Hach
Box 392
McLaughlin, South Dakota 57642

Dear Mr. Hach:

In reference to our telephone conversation of June 9, 1986, enclosed is a set of water permit application forms and an instruction sheet. You indicated the City has a total of 7 wells. Vested Right No. 445-1 covers 4 of the wells with priority dates as follows: 1927, 1928, 1947 and 1954. The application should be completed for the additional 3 wells.

If any of the wells are replacement wells for the wells authorized under Vested Right No. 445-1 a permit will not be required for that specific well(s). However, a well log of the replacement well(s) should be filed with our office.

If you have any questions, please contact us.

Sincerely,

Genny McMath
Natural Resources Analyst

GM:ms
Enc.

June 23, 1986

Terry Helms
Helms & Associates
P.O. Box 111
Aberdeen, South Dakota 57402-0111

RE: Water Rights for the City of McLaughlin

Dear Mr. Helms:

I have searched our files and was unable to find a map showing the location of the city's wells. As you will note by the enclosed copy of Vested Right No. 445-1, the four wells are cited to be "within the city limits".

When the new application is submitted for the City of McLaughlin, to cover the three additional wells, a map showing the exact location of these wells will be required. In order to update the City's Vested Right, it would be helpful to have all seven wells platted on the map.

If you have any questions or if I can be of further assistance, please advise.

Sincerely,

Genny McMath
Natural Resources Analyst

GM:ms

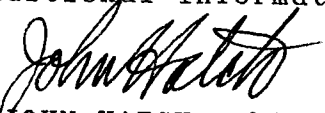
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1364-1, City of McLaughlin

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 1364-1, City of McLaughlin, PO Box 392, McLaughlin SD.

The Chief Engineer is recommending APPROVAL of Application No. 1364-1 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate well having prior water rights.

See the attached report for additional information.


JOHN HATCH, Chief Engineer
October 9, 1986

REPORT ON APPLICATION NO. 1364-1
CITY OF MCLAUGHLIN
October 2, 1986

Application No. 1364-1 proposes to appropriate 0.735 cubic feet of water per second from three wells; 125, 135 and 105 feet deep; located in the SW 1/4 NE 1/4, NE 1/4 SE 1/4 Section 6; NW 1/4 SW 1/4 Section 5; all in T21N, R27E. The water is for municipal use by the City of McLaughlin.

Aquifer: Fox Hills Formation

Geology and Hydrology

The well logs which accompany this application, and a review of the areal geology map of the area (Stevenson, 1956), indicate the wells, which were drilled in 1971, 1976 and 1978, are completed into the Timber Lake and Trail City members of the Upper Cretaceous, Fox Hills Formation.

The Trail City member is stratigraphically the lowest member of the Fox Hills Formation. It conformably overlies the Pierre shale, with the basal contact transitional over several feet of strata. The member consists of interlensing buff colored, coarse silt to sandy silt, and dark gray silty clay to clay. The Trail City member is 55-110 feet thick and becomes more sandy near the contact with the overlying Timber Lake member (Morgan, 1943).

The Timber Lake member of the Fox Hills Formation is a buff to gray, medium to fine grained, massive, cross-laminated sandstone 40-87 feet thick (Stevenson, 1956). The Timber Lake member outcrops at the site of the McLaughlin city wells.

The Fox Hills Formation underlies approximately 1,326,720 acres of Corson County and contains an estimated 9,950,400 acre-feet of recoverable water in storage (Allen, 1984). The Fox Hills Aquifer is under water table conditions in this area and has a regional potentiometric gradient to the west-northwest (Thorstenson, 1979). Reported specific capacity values for the Fox Hills Formation are variable, because the lithology of the Fox Hills is variable, but are generally low. Specific capacity values calculated from well information submitted with this application vary from 1.8 gpm/ft to 6.9 gpm/ft Rahn (1979) estimates an average porosity for the Fox Hills Formation of 20% and an effective porosity of 5%.

Precipitation falling on the outcrop, supplemented by leakage from overlying formations, is the main source of recharge to the Fox Hills Formation. There are no known recharge estimates available for the Fox Hills Formation in South Dakota. The Division of Water Rights does not have any observation wells in the area, and there is no historical data (water levels) available.

Review of Existing Permits

There is one existing groundwater permit in the area:

Permit No. 445-1, City of McLaughlin for 0.70 cfs from four city wells.

The Division of Water Rights does not have any records of any domestic wells in the area.

Conclusions

1. The McLaughlin city wells have been in use for several years without any reported interference problems.
2. The Fox Hills Formation is a viable source of groundwater in the area.
3. There is a reasonable probability that there is unappropriated water available that may be appropriated without interference with existing water rights.



KEN BUHLER

Natural Resources Engineer

Reference

Stevenson, R.E., 1956, Areal Geology of McLaughlin Quadrangle, South Dakota Geologic Survey, Vermillion SD.

Morgan, R. E; Petsch, B.C., 1943, Report of Investigation No. 49, A Geological Survey of Dewey and Corson Counties, SD, USD, Vermillion SD.

Allen, J.C., Illes, D., Peters, A., 1984, Ground Water Resource Inventory, Draft Final Analysis of Ground Water and Streamflow Data, Western Dakotas Region of South Dakota, SDGS, Vermillion SD.

Thorstenson, D.C.; Fischer, D. W., 1979, The Geochemistry of the Fox Hills-Basal Hell Creek Aquifer in Southwestern North Dakota and Northwestern South Dakota, Water Resources Research Vol 15, No. C.

Rahn, P.H., 1979, Ground Water Resources of Western South Dakota, US Army Corp of Engineers, SDSM & T Project #2533, Rapid City SD.

Division of Water Rights, 1986, "Domestic Well Log and Water Permit Files", DWNR, Water Rights Division, Joe Foss Building, Pierre SD.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

October 15, 1986

NOTE:

TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT THE
NEWSPAPER RIGHT AWAY.

City of McLaughlin
Box 392
McLaughlin, South Dakota 57642

Dear Sir:

Your Application No. 1364-1 for a permit to appropriate water for

municipal use, has been examined and found to
comply with the South Dakota Water Laws and applicable rules. A notice of
your intent to appropriate water has been sent to the Publisher of the

McLaughlin Messenger printed at McLaughlin

South Dakota. For your information, a copy of this notice, the recommendation
of the Chief Engineer and a report on the application are enclosed. Please
review this notice prior to publication and notify this office, if you have
any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your notice
of intent to appropriate water and to arrange for payment. Early contact with
the paper can eliminate delays. The publisher has been instructed to publish
your notice once each week for two consecutive weeks with the last publication
to occur at least thirty days before the board meeting. We must receive
Proof of Publication before the application can be considered by the Water
Management Board.

Sincerely,

RON DUVALL
Natural Resources Engineer

enclosures



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

October 15, 1986

McLaughlin Messenger
Box 388
McLaughlin, South Dakota 57642

Dear Sir:

Enclosed is a Notice of Intent to Appropriate Water by City of McLaughlin
Application No. 1364-1, in Corson County, South Dakota. Please
publish this notice once each week for two consecutive weeks in your paper. The
first publication should be on, or before October 23, 1986.

The APPLICANT MUST VERIFY TO YOU THAT THE NOTICE IS TO BE PUBLISHED, before you
make the first publication. The applicant is to pay the cost of publication and
should make the necessary arrangements with you to pay these costs.

A copy of BOTH publications must be sent to the Water Rights Division. IMMEDIATELY
after the FIRST publication, return a copy of the notice with the FIRST Publication
Transmittal form on the bottom of this page. The first copy is needed to check
the publication for errors so any corrections can be made before the second
notice is published.

Please be sure the SECOND publication is returned with the enclosed Proof of
Publication form. The permit application cannot be considered by the Water
Management Board until proof of publication has been received.

Thank you for your assistance.

Sincerely,

RON DUVAL
Natural Resources Engineer

cc: applicant

***** CUT HERE *****

FIRST Publication Transmittal No. _____ Date _____
TO: Water Rights Division
Joe Foss Building
Pierre SD 57501-3181

We are in receipt of your letter dated _____ and Notice of Hearing to
Appropriate Water by Application No. _____. The notice was first published
in our issue dated _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

NAME _____ NEWSPAPER _____

Equal Opportunity Employer

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Corson) ss.



I, Mark E. Lofgren hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the McLaughlin Messenger

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the _____

McLaughlin Messenger of McLaughlin

County of Corson and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

10/23/86

10/30/86

Mark E. Lofgren
(Signature)

Owner - Public
(Title)

**Notice of Hearing on
Application No. 1364-1 to
Appropriate Water**

Notice is hereby given that the City of McLaughlin whose mailing address is Box 392, McLaughlin, South Dakota has made an application for a permit to appropriate .735 cubic feet of water per second from three wells (Fox Hills Formation) 125, 135 and 105 feet deep located in the SW 1/4 NE 1/4, NE 1/4 SE 1/4 Section 6; NW 1/4 SW 1/4, Section 5; all in T21N-R27E. The water is for municipal use by the City of McLaughlin.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1364-1 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of

water and 4) is in the public interest.

This application will be considered by the Water Management Board at Joe Foss Building, Room 216, 523 E. Capitol, Pierre, South Dakota, December 10, 1986 at 10:00 a.m.

The recommendation of the Chief Engineer is no final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by November 28, 1986. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel. If legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3-1.

46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNRR, Joe Foss Bldg., Pierre, SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by November 28, 1986. (Mess. Oct. 23-30)

Cost of Pri

[Signature]

My commission
March 16, 1986

No. 1364-1

Instruction to Newspaper - Publish first publication of the following Notice on or before October 23, 1986 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 1364-1 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No. _____~~

Notice is hereby given that the City of McLaughlin whose mailing address is
Box 392, McLaughlin, South Dakota has made an application for a permit

to appropriate .735 cubic feet of water per second from three wells (Fox Hills Formation) 125, 135 and 105 feet deep located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 6; NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 5; all in T21N-R27E. The water is for municipal use by the City of McLaughlin.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1364-1 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Joe Foss Building, room 216, 523 E. Capitol, Pierre, South Dakota, December 10 1986 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by November 28, 1986. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2 46-5-30.4, 46-5-31; ~~(ground)~~ 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; ~~(future use)~~ 46-5-38 thru 46-5-40; ~~(transfer lands)~~ 46-5-30.4, 46-5-33 thru 46-5-35; ~~(10,000 AFA)~~ 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; ~~(future use)~~ 74:02:01:24 thru 74:02:01:25; ~~(10,000 AFA)~~ 74:02:01:15:02 thru 74:02:01:15:05.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by November 28, 1986.



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

Water Rights Division
605 773-3352

FEB 17 1987

Mayor Ron Dumdei
City of McLaughlin
PO Box 392
McLaughlin SD 57642

Dear Mayor Dumdei:

Enclosed is your Water Permit No. 1364-1 as approved by the Water Management Board authorizing the water diversion system and apply the water to beneficial use, not exceeding the limits as specified in the Water Permit.

We will schedule an inspection so that the Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in black ink, appearing to read "John Hatch". The signature is written in a cursive, flowing style.

JOHN HATCH, Chief Engineer
Water Rights Division

JH: ks

enclosure

Wells # 1, 3, & 4 are the wells we applied for water rights.

Wells 2, 5, 6, & 7 we have water rights on.

Well # 1 - Bull Park Well Drilled in 1971
approx. 125' Deep.

Well # 2. SW Well Drilled in approx. 1960
approx. 110' Deep

Well # 3 Leonard Drilled in 1976
approx. 135' Deep.

Well # 4. Hiev' Drilled in 1978
approx. 105' Deep

Well # 5 Lefty Drilled in approx. 1956
approx. 125' Deep

Well # 6 Railroad Drilled in approx. 1927
approx. 85' Deep.

Well # 7 Brick Pump Hse. Drilled approx. in ^{the} 1940's
approx. 100' Deep.

This is the best information I can give you. We applied for water rights on wells 1, 3, & 4 in August. of 1986.

Louis Paul
City Rep.





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

August 16, 2000

1364-1

Lornie Hach, Public Works Supt.
City of McLaughlin
PO Box 392
McLaughlin SD 57642

Dear Mr. Hach:

On July 11, 2000 the investigation of McLaughlin's water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 1364-1, was completed by Ron Duvall, a staff engineer with our program. The final water right document, the water license, can now be issued.

State law require that we charge a \$50.00 fee for the investigation and issuance of the water license. Upon receipt of the \$50.00 fee, we will complete processing the water license. The check or money order for the fee should be made payable to the "Water Rights Program". Enclosed is an invoice for that amount.

Your licensed water right will be similar to a property right that can not be lost as long as the water use continues and you abide by the permit requirements.

If you have any questions regarding the water permit, investigation of your water use system or payment of the fee, please contact Genny McMath with our program at (605) 773-3352.

Sincerely,

Karen Schlaak
Water Rights Program

c: Della Hauck, Finance Officer

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

Nº 416623

Pierre, September 7, 2000

RECEIVED OF City of McLaughlin, P.O. Box 169, McLaughlin SD 57542
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct
and to put water to beneficial use _____

Fee for Application for Permit No. _____ to Appropriate Water, for Future
Use _____

Fee to retain Future Use Permit No. _____ after period of seven years.

Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water
License No. 1364-1

50 00

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

50 00

By

Stanley Erbele
Chief Engineer

Permit No. 1364-1
Missouri River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, July 11, 2000, made a thorough examination of the water use system constructed by City of McLaughlin of PO Box 392, McLaughlin SD 57642 holder of Permit No. 1364-1, bearing the priority of August 7, 1986 authorizing the diversion of 0.735 cu. ft. per second of the waters of ground water (Fox Hills Formation) for municipal purposes, in Corson County.

Inspection contact & relationship to permit holder, if applicable: **Lornie Hach, Public Works Supt.**

A. Works used to divert the water:

Well Information:

- 1) Drilling Firm: Christensen Supply Co
- 2) No. of Wells Well No. 1
- 3) Depth(s) 125 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 8 inches
- 2) Length 53 feet
- 3) Type steel

Screen:

- 1) Type Johnson stainless
- 2) Length 65 feet

-
- 1) Well Drilling Firm: Aberle Well Co.
 - 2) No. of Wells Well No. 3
 - 3) Depth(s) 135 feet
 - 4) Well log is available Y

Casing:

- 1) Diameter 8 inches
- 2) Length 78 feet
- 3) Type steel

Screen:

- 1) Type Johnson stainless
- 2) Length 50 feet

- 1) Well Drilling Firm: Huron Drilling
- 2) No. of Wells Well No. 4
- 3) Depth(s) 102 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 8 inches
- 2) Length 62 feet
- 3) Type steel

Screen:

- 1) Type Johnson stainless
- 2) Length 40 feet
- 3) Static water level _____ feet

Wells have submersible units (7 to 7.5 hp)

Well No. 1: 130 gpm

Well No. 3: 80 gpm

Well No. 4: 70 gpm

Total gpm: 280 gpm (0.62 cfs)

Report of Examination of Works

Permit No. 1364-1

B. Works used to transport\apply water to place of use:

Water is diverted to a 66,000 gallon water tower and to a 300,000 gallon reservoir on a hill for distribution to the city.

C. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Exceptions to compliance are: none

The system is in good condition with the points of diversion located as follows: Well No. 1: ≈ 1,200 feet E & ≈ 1,300 feet N (SW¼NE¼ sec 6); Well No. 3: ≈ 1,575 feet E & ≈ 750 feet S (NE¼SE¼ sec 6); Well No. 4: ≈ 2,900 feet E & ≈ 1,300 feet S (NW¼SW¼ sec 5); all from the center of section 6-21N-27E. The works are capable of diverting and conveying to the place of use 0.62 cu. ft. per second of water which is to be used for municipal purposes. Water has been put to beneficial use to the maximum extent and the license should be issued for 0.62* cfs.

* Vested Right No. 445-1 held by the City of McLaughlin authorizes a diversion of 0.60 cfs. A portion of this diversion is being assigned to No. 1364-1 since two of the wells authorized by No. 445-1 have been abandoned. This transfer of diversion authority is permissible since the water source is the same, the total combined diversion does not exceed the amount of water authorized by Nos. 445-1 and 1364-1, and no forfeiture due to nonuse has occurred. Following is the amount of water and priority date assigned to Nos. 445-1 and 1364-1:

	Amount of CFS	Priority Date
Vested Right No. 445-1	0.26	January 1, 1927
Water Right No. 1364-1	0.06	January 1, 1927
"	0.18	January 1, 1928
"	0.10	January 1, 1947
"	0.28	August 7, 1986
Total diversion for No. 1364-1 0.62 cfs		

Comments or other permit(s) associated with the project: 445-1 | All structures, wells and lands on map Y



Ron Duvall
Natural Resources Engineer
DENR, Water Rights Program

Date report completed: August 14, 2000



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

August 18, 2000

Lornie Hach, Public Works Supt.
City of McLaughlin
PO Box 169
McLaughlin SD 57642

Dear Mr. Hach:

I am writing in regard to my visit with you and the inspection I completed of the city's wells on July 11, 2000. The city has a Vested Right No. 445-1 and Water Permit No. 1364-1 which cover all of the city's wells.

The reason for the inspection was to validate Claim No. 445-1 and issue a water license for Permit No. 1364-1. Issuance of the water license is the last step in getting a water right in South Dakota. However, this letter concerns primarily validation of Vested Right Claim No. 445-1.

Enclosed is a Notice scheduling a hearing for the Water Management Board to consider validation of Claim No. 445-1. You are being provided notice because we are recommending validation of the claim for 0.60 cubic feet per second (270 gpm) rather than 0.70 cfs described on the original claim. The reason for the reduction is because the surface water portion of the vested right claim (0.10 cfs) has been abandoned. The surface water use was for a dry draw dam used as a city pool.

Please feel welcome to attend the Water Management Board on September 28, 2000 at the Radisson Motel in Rapid City SD. However, if you agree with validation of No. 445-1 for 0.60 cfs, then there is no reason that you would need to attend the board meeting. But again, you are certainly welcome to attend anyway.

Following validation of Claim No. 445-1 by the Water Management Board and receipt of the \$50.00 license fee (which Karen Schlaak sent a letter regarding on August 16, 2000), we will issue you your validation document and a license for both No. 445-1 and 1364-1. Please be advised that a portion of the diversion rate authorized by No. 445-1 will be assigned to No. 1364-1. This assignment is being done since two of the wells (railroad wells) have been abandoned so the amount of water authorized for these abandoned wells is being transferred to the wells still in use. Please refer to the enclosed "Report of Examination of Works" for the details.

Please call me at (605) 773-3352 if you have any questions. I will try to clear up any concerns you may have.

Sincerely,

Ron Duvall
Natural Resources Engineer
Water Rights Program

enclosures

c: Della Hauck, Finance Officer

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1364-1

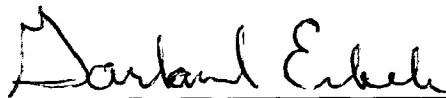
(1) The City of McLaughlin, PO Box 169, McLaughlin SD 57642 made Application No. 1364-1, August 7, 1986 for a water permit to divert 0.735 cubic feet of water per second (cfs) from groundwater, Corson County, South Dakota for municipal purposes. Permit No. 1364-1, with a priority date of August 7, 1986 was approved December 10, 1986 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water.

Vested Right No. 445-1 authorizes a diversion of 0.60 cfs. A portion of this diversion (0.34 cfs) is being assigned to No. 1364-1 since two of the wells authorized by No. 445-1 have been abandoned.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.62 cubic feet of water per second for beneficial use. The location of the diversion points are: Well No. 1: $\approx$ 1,200 feet east and 1,300 feet north (SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 6); Well No. 3: $\approx$ 1,575 feet east and 750 feet south (NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 6); and Well No. 4: $\approx$ 2,900 feet east and 1,300 feet south (NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 5); all from the center of Section 6-T21N-R27E.

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

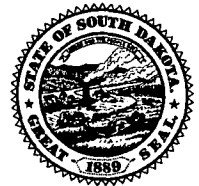
(4) Pursuant to South Dakota Water Law 46-5-30.1 the City of McLaughlin, PO Box 169, McLaughlin SD 57642 the holder and/or owner of Water Right No. 1364-1 is issued a license to appropriate water, the right to use 0.62 cubic feet of water per second from groundwater (three wells) with priority dates of January 1, 1927 (0.06 cfs), January 1, 1928 (0.18 cfs), January 1, 1947 (0.10 cfs) and August 7, 1986 (0.28 cfs) from the location specified in (2) of this license for municipal use. This license is subject to any limitations or qualifications listed in Water Right No. 1364-1 and subject to South Dakota State Law.



GARLAND ERBELE, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

OCT 23 2000

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

OCT 23 2000

Lornie Hach, Public Works Supt.
City of McLaughlin
PO Box 169
McLaughlin SD 57642

Dear Mr. Hach:

The Water Management Board has validated the enclosed Vested Water Right No. 445-1. This validation gives legal status to the claim and is the final document for the city's vested right.

Also enclosed are reissued Vested Water License No. 445-1, Water License No. 1364-1 and the receipt for payment of the \$50 license fee.

As long as you use the water beneficially, as stated in the validation and water licenses, State Water Laws provide that the City of McLaughlin has a continuing right to use the water.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
605 773-3352

enclosure