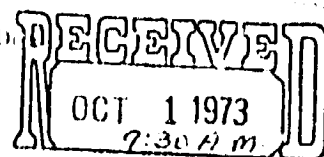


Water Right Number 2018-3

1. Considered November 14, 19 73
2. Name of Applicant City of Sioux Falls
3. Post Office Address Sioux Falls, S.D.
4. Amount of Water claimed 3.10
5. Source of Water supply ground water
6. Water to be used for Municipal use
Acres to be irrigated --
7. Water to be diverted and used in Minnehaha County
about 1N miles of Sioux Falls
8. Proof of Publication
Received 11-5-73
Not Received _____
9. Application
Approved _____
Subject to _____
Not Approved _____
Action Deferred _____
10. Remarks:

Map No. 1430-3 Water Division No. 3 BIG SIOUX RIVER
 (Blanks to be filled by the Engineer for the W. R. C.)


APPLICATION FOR PERMIT

STATE WATER RIGHTS COMM.
PIERRE, SOUTH DAKOTA

To Appropriate Water within the State of South Dakota

(NOTE: Draw a line through items not applicable)

 1. Name of Applicant City of Sioux Falls
 Postoffice address City Hall, 9th & Dakota State South Dakota
 If a corporation show date and place of incorporation -----
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract3. Name of diversion work Well #364. Amount of water claimed (cubic feet per second) 3.1 cfs5. Source of water supply Ground water6. Location of point of diversion NE 1/4 of the NE 1/4 of Sec 32 T 102 N, R49 Wbetween Hwy 38 on the north, diversion channel on the south;Silver Creek on the east and the Big Sioux River on the west. Minnehaha Co.7. Annual period or periods during which water is to be used continuous8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Municipal

9. For irrigation use, ----- Total number of acres to be irrigated -----

List below each forty-acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.

Attach sheet if more space is needed

 10. Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use 0 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Sioux Falls ARGUS LEADER

12. Principal Features of the Proposed Water Supply System

A. Works proposed to divert water from its natural source.

Sixteen foot diameter caisson 40 ft. deep with four to six perforated lateral collector pipes projecting from 120' to 155' horizontally into the water bearing sands and gravels

B. Works proposed to transport water to place of use.

Underground pipe line

C. Works proposed to apply water to beneficial use.

Existing water purification plant and distribution system

Estimated Total Cost \$ 200,000
 Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of Minnehaha
 I, Don Hahn the applicant, certify that I have read the foregoing application and 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: Don Hahn, Gen. Supt.Subscribed and sworn to before me this 3 day of October 1973
Charles H. Baker
 Notary Public (or other qualified officer)

MY COMMISSION EXPIRES

JULY 1, 1981

WATER RIGHT APPLICATION APPROVAL

The Water ^{Rights} Commission hereby approves Water Right Application No. 2018-3
CITY OF SIOUX FALLS CITY HALL, 9TH & DAKOTA
 (Applicant) (Post Office Address)
SOUTH DAKOTA With the following modifications:
 (State)

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

Date of first receipt of application OCTOBER 1 1973
 Date of return to applicant for correction, amendment or changes required --- 19---
 Date of receipt of corrected application --- 19---
 Approved NOVEMBER 14 1973 Recorded in Book 12 Page 276

WATER RIGHT PERMIT NO. 2018-3

The Water ^{Rights} Commission hereby grant and issues this Water Right Permit No. 2018-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is OCTOBER 1 1973
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 14 1974
3. The whole of said work is to be completed on or before NOVEMBER 14 1974
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 14 1974
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 injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 3.1 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 use and if for the irrigation purpose and appropriation must be limited to not more than it is needed for irrigation and be used for not more than the time of the growing season of the crop to which water is applied~~
USED FOR MUNICIPAL PURPOSES
 actually and beneficially ~~applied for irrigation~~ on or before NOVEMBER 14 1974 said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 16TH day of NOVEMBER 1973

WATER RIGHTS COMMISSION

By: Daniel Driscoll
 Chief Engineer, Executive Officer

Certificate of Construction Issued FEBRUARY 2 1978

Water License Issued FEBRUARY 2 1978

RABBIT WATER SYSTEMS

Date Drilled: 12/19/72

WELL LOG

Geologist: A. KieferSheet 1 of 2 SheetsProject: PI 1151Location: Sioux Falls, South DakotaWell No. TH36-72-1 Size: 5" Total Depth 43'6"Elevation (land surface at well) 1427.3 Approx: x Measured: Elevation (source of recharge) 1421 Approx: x Measured: Drilled By Minnehaha Waters, Inc. Static: 12.5' below l.s.

Material Description	Time	From	To
Top Soil		0	3
Drift		3	10
Fine Soil		10	12
Fine-coarse sand		12	27
Detailed Description of Bottom Samples			
Sand & gravel: cs. very fine sand;		27	30
granule-fine pebble gravel (5%)			
gray, subrounded, mostly clastic			
& carb. rxs.			
Sand & Gravel: coarse-very fine sand,		36	39
granule-fine pebble gravel,			
3%; coarse gravel. 1%; gray-brown			
subround, mostly clastic & carb. rxs.			
Sand and Gravel: Medium-very coarse		42	possible heave
sand, mostly quartz grains;			
granule-fine pebble gravel,			
gray-brown, subround, 50%, mostly			
clastic & carb. rxs.			
Sand and Gravel: fine-coarse sand,		42	44
mostly quartz; granule-medium (continued)			

NATURAL WATER SYSTEMS

Date Drilled: 12/19/72

WELL LOG

Geologist: A. Kiefer

Sheet 2 of 2 Sheets

Project: PJ 1151

Location: Sioux Falls, South Dakota

Well No. TH36-72-1 Size: 5" Total Depth 43'6"

Elevation (land surface at well) 1427.3 Approx: x Measured:

Elevation (source of recharge) 1421 Approx: x Measured:

Drilled By Minnehaha Waters, Inc. Static: 12.5' below l.s.

[illegible]

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

(1) Drill Hole, Diameter 19 feet, Depth 40 feet(2) Casing, Type Concrete, Diameter 16 feet, Thickness 18 inches
(wood, concrete, steel, etc)

(3) Perforated Screen.

Type Steel, Diameter 12", Length 120' to 155' horizontal(4) Gravel Pack, Thickness -----, Length of gravel pack -----

E. Dugout Information or Estimates. -----

(1) Surface dimensions -----, Depth -----

F. Fill out for Either a Well or a Dugout.

(1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Fine to coarse sand; medium pebble gravel;
5% coarse pebble gravel.Depth to top of water bearing material 12 feetDepth to bottom of water bearing material 43.5 feetThickness of water bearing material 31.5 feetDepth to water (ground surface to water level) 12.5 feet

(2) Distance to nearest existing household or livestock watering wells.

On same owner's property 136 rds. On property owned by others 103 rds.

G. Water Storage Dams. -----

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Lo. Wash, Gen. Supt.
Signature of Applicant
City Water Dept.

WATER LICENSE NO. 2018-3

(1) WHEREAS, On the 1st day of October A. D. 1973
the City of Sioux Falls

made Water Right Application No. 2018-3 for a permit to use 3.1 cubic feet per second of the waters
of groundwater

County of Minnehaha, State of South Dakota, for municipal
purposes; and

(2) WHEREAS, On the 16th day of November A. D. 1973
Permit No. 2018-3, with a date of priority of October 1, 1973
was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water
supply system therein described on or before the 14th day of November A. D. 1974 and for the
application to beneficial use of said water on or before the 14th day of November A. D. 1974

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to completion of the construction of the water supply system and is entitled to divert 3.1 cubic feet
per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota
relating to the application of water to beneficial use of the following extent,

water is diverted through the city water distribution system for
municipal use.

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to the City of Sioux Falls

~~XX~~
the holder _____ and owner _____ of said permit No. 2018-3 a water right, dating from October 1, 1973
to use of 3.1 cubic feet per second of the waters
of groundwater

in the County of Minnehaha and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at a point 625'S and 725'W of the NE corner,
Section 32, T102N, R49W

and conduct ~~XXXXXX~~ through the city water distribution system

for the purpose of municipal use

Subject to any limitations listed in Water Right Permit No. 2018-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 2nd day of February A. D.
Nineteen Hundred and seventy-eight

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Permit No. 2018-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That the City of Sioux Falls

Permit No. 2018-3, issued upon Application No. 2018-3, bearing date of priority of October 1,
1973 groundwater authorizing the diversion of 3.1 cu. ft. per second of the waters of Minnehaha
County of Minnehaha, State of South Dakota at
a point S25'S and 725'W of the NE corner, Section 32, T102N, R49W

, for irrigation

purposes, has S complied with the provisions of the laws of the State of South Dakota relating to proof of
completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory
condition for diverting and conveying to the place of intended use 3.1 cu. ft. per second of water.

Date February 2, 1973

By:

WATER RIGHTS COMMISSION

John Hatch
JOHN HATCH, Chief Engineer

2018-3

Publish first publication, on or before October 25, 19 73NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 4, 19 73Notice is hereby given that the City of Sioux Falls~~whose principal office address is~~ _____, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use3.1 cubic feet of water per second of time from ~~the~~ ground water through theCity Well #36

_____, the point of diversion of which is to be located in the _____

NE 1/4 NE 1/4of Section 32, Twp. 102N, Range 49W. Said water to be used for the purposeof providing ~~irrigation on the following described land:~~municipal supplies for the City of Sioux FallsThis application No. 2018-3 will be considered by the Water ~~Resources~~ Rights Commission at their office at Pierre upon the 14th day of November, 19 73, at 2:30 P. M. All interested persons may appear and be heard.~~WATER RESOURCES COMMISSION~~
WATER RIGHTS COMMISSION

By:

BURTON F. JONES, Water Rights Specialist

BFJ/bw

cc: Les Haeh, General Superintendent, Sioux Falls Water Department, City Hall,
9th and Dakota, Sioux Falls, S.D. 57102

AFFIDAVIT OF PUBLICATION -

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA, }
COUNTY OF MINNEHAHA } ss.

C. C. Lockhart, being duly sworn, says: That The Sioux Falls Argus-Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDC Supp. 65.0509, as amended published at Sioux Falls, Minnehaha County, South Dakota by Sioux Falls Newspapers Inc.; that affiant is and during all of said times was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

Thursday, the 25 day of October, 1973,
Thursday, the 1 day of November, 1973,
_____, the _____ day of _____, 19____,
_____, the _____ day of _____, 19____,
_____, the _____ day of _____, 19____,
_____, the _____ day of _____, 19____,
_____, the _____ day of _____, 19____.

and that \$10.43 was charged for publishing the same.

C. C. Lockhart

Subscribed and sworn to before me November 1, 1973,

Eleanor Tague
Notary Public, South Dakota

Eleanor Tague
My Commission Expires
June 30, 1974

(SEAL)

NO. 20183
NOTICE
INTENT TO APPROPRIATE WATER
Notice is hereby given that the City of Sioux Falls, South Dakota, has made an application, in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 3.1 cubic feet of water per second of time from ground water through the City Well No. 13, the point of diversion of which is to be located in the NE 1/4 of Section 32, Twp. 102N, Range 48W. Said water to be used for the purpose of providing municipal supplies for the City of Sioux Falls.
This application No. 20183 will be considered by the Water Rights Commission at their office at Pierre upon the 14th day of November, 1973, at 2:30 P.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION
BY: BURTON F. JONES,
Water Rights Specialist
Oct. 25; Nov. 1, 1973

RECEIVED
NOV 5 1973

STATE WATER RIGHTS COMMISSION
PIERRE, SOUTH DAKOTA

2018-3 2019-4

8-23-72 11-20-72

Chap. 1000000 11-20-72

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11-20-72 11-20-72

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RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 6295

PIERRE, January 5, 19 79

RECEIVED OF City of Sioux Falls

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

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)		
Fee for Inspecting Construction, and Issuing Cert. of Construction No. (2018-3)	12	0
Fee for Inspecting Beneficial Use, and Issuing Water License No. (2018-3)		
Fee for Issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	12	00

WATER RIGHTS COMMISSION

By John Hatch
Chief Engineer, Executive Officer
JOHN HATCH

97

Permit No. 2018-3

Well "36"

Water Division 3 Big Sioux River Water District

REPORT OF EXAMINATION OF WORKS AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by City of
Sioux Falls of City Hall 9th and Dakota, Sioux Falls, S.D. holder 57102
of Permit No. 2018-3, bearing date of priority of October 1, 1977
authorizing the diversion of 3.1 cu. ft. per second of the waters of Ground
for Municipal purposes, in Minnehaha County.

I have report on the condition of the same as follows:

The Water Use System consists of,

A. Works used to divert the water:
Motor - 45 Elec, ID# 9405315-G-419-R2075455, 1170 RPM
40 H.P.
Pump - Fairbanks Morris, Ser# K2V2074417, 1500 GPM, Total
Head 152 ft., 1170 RPM

B. Works used to transport water to place of use,
Undergr. and Pipeline

C. Works used to apply water to beneficial use.
Municipal Water System

The system is in the following condition: Excellent

The point of diversion is located 825 ft south and 725 ft west of the
NE corner of section 32, T102N R49W

The works are capable of diverting and conveying to the place of use 3.1cu. ft. per second of water which is to be used for Municipal Use

Water has been put to beneficial use to the maximum extent as follows:

comprising a total of _____ acres of land.

Well Data:

Depth 42 ftDepth to water 9 ft

16 ft diameter with 4 laterals
up to 173' long and 5" dia steel
slotted pipe collector, 1 ft from
Bottom

Pumping 1400 gpm (max)

Date November 17, 1977
La Roy W. McLaughlin
(Signature)

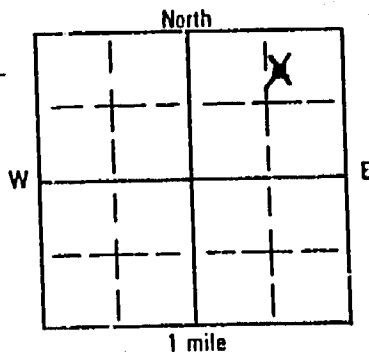
SOUTH DAKOTA WELL REHABILITATION REPORT

2018-2018-3
10-85

Location NE 1/4 NE 1/4 Sec 32 Twp 102N Rg 49W

County Minnehaha

Please mark well location with an "X"



Rehabilitation Completion Date 12/99

PROPOSED USE:

☐ Domestic ☒ Municipal ☐ Stock
☐ Irrigation ☐ Industrial

Well Owner: City of Sioux Falls, S.D.

Name _____
Address 224 West Ninth St., Sioux Falls

Describe original construction if possible?
(Attach original log if known)

Well 36 - Horizontal collector well
constructed in 1975. Well log and
plan and section view attached.

Description of condition of well before rehabilitation: Low carbon steel perforated lateral screens
last cleaned in 1993. By 1998 specific capacity had declined to 120 gpm/ft.
of drawdown.

Description of rehabilitation work completed: Installed three new 8-inch ID stainless steel
laterals, each 141 feet in length. Each lateral equipped with 134 feet
of stainless steel wire-wound screen (slot opening 0.080 to 0.125 inches)
orientation of laterals is shown on attached figure.

Recasing information: Material N/A Diameter _____ Inches Depth _____ Feet

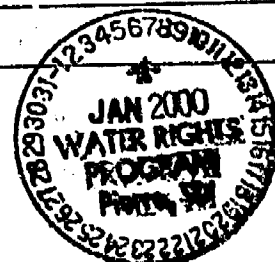
Describe screen or perforations 8-inch PS stainless steel Screen Location From 7' To 141' (horizontal)
From _____ To _____

Grout: ☐ YES ☒ NO Describe grouting procedure and grout Not application - only new screens
installed.

Well Test Data: 200 gpm, 11 feet of drawdown

Specific capacity 180 gpm/ft. Static water level 20 feet

If a flowing well GPM _____ Shut in _____ PSI



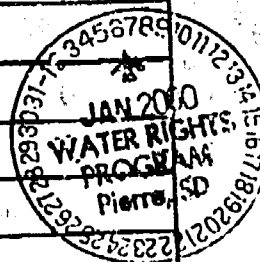
This well rehabilitation was completed under license # 673 And this report is true and accurate.
Drilling firm Collector Wells International, Inc.
Signature of Licensed Representative [Signature]
Signature of Well Owner [Signature] Water Dept City of Sioux Falls
Date December 16, 1999

Date Drilled: 12/19/72

WELL LOG

Geologist: A. KieferSheet 1 of 2 SheetsProject: PJ 1151Location: Sioux Falls, South DakotaWell No. TH36-72-1 Size: 5" Total Depth 43'6"Elevation (land surface at well) 1427.3 Approx: x Measured: Elevation (source of recharge) 1421 Approx: x Measured: Drilled By Minnehaha Waters, Inc. Static: 12.5' below l.s.

Material Description	Time	From	To
Top Soil		0	3
Drift		3	10
Fine Soil		10	12
Fine-coarse sand		12	27
Detailed Description of Bottom Samples			
Sand & gravel: cs. -very fine sand; granule-fine pebble gravel (5%) gray, subrounded, mostly clastic & carb. rxs.		27	30
Sand & Gravel: coarse-very fine sand, granule-fine pebble gravel, 3%; coarse gravel. 1%; gray-brown subround, mostly clastic & carb. Rxs.		36	39
Sand and Gravel: Medium-very coarse sand, mostly quartz grains; granule-fine pebble gravel, gray-brown, subround, 50%, mostly clastic & carb. Rxs.		42	possible heave
Sand and Gravel: fine-coarse sand, mostly quartz; granule-medium (continued)		42	44



WELL LOG

Sheet 2 of 2 Sheets

Project: PJ 1151

Location: Sioux Falls, South Dakota

Well No. TH36-72-1 Size: 5" Total Depth 43'6"

Elevation (land surface at well) 1427.3 Approx: x Measured:

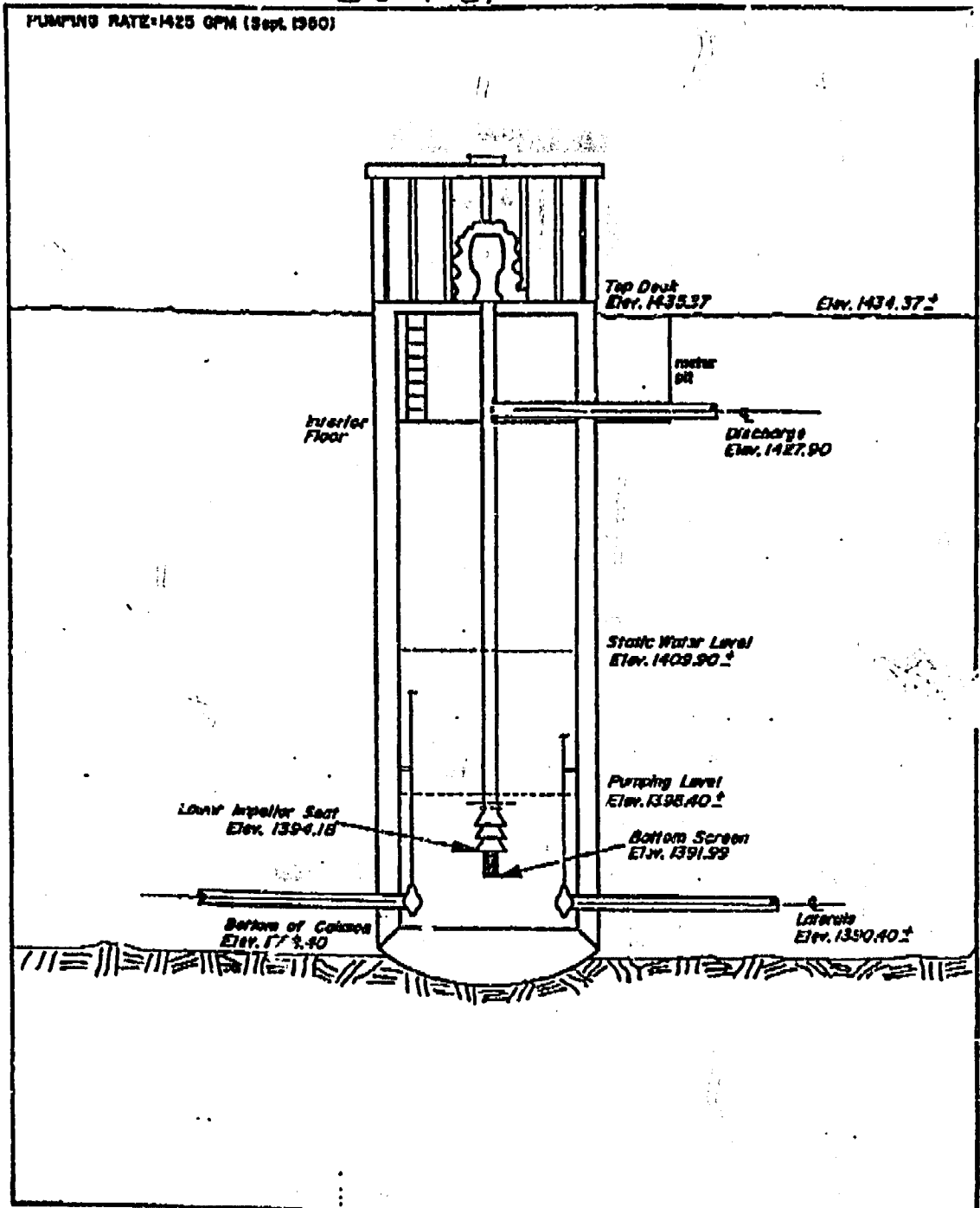
Elevation (source of recharge) 1421 Approx: x Measured:

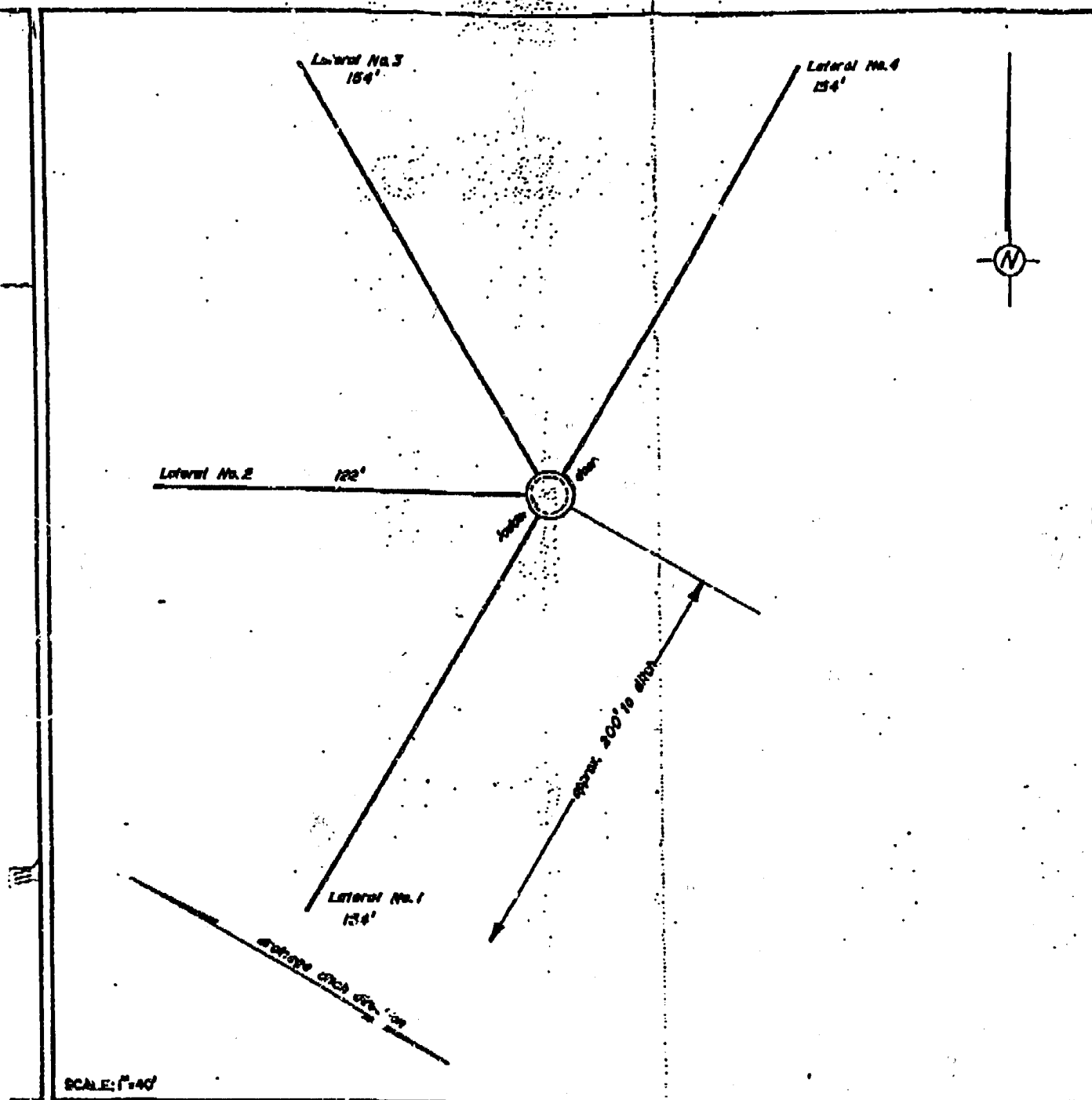
Drilled By Minnehaha Waters, Inc. Static: 12.5' below l.s.

[illegible]

#36 Well

PUMPING RATE=1425 GPM (Sept. 1960)





SECTION & PLAN VIEWS
WELL NO. 36
Sioux Falls, South Dakota

