

4-78

150 300

500 1000

Mike

8/14/78

25301

These three sand samples
are from a new municipal
well at Rock Rapids, Iowa
Will you process as usual
and make a log please.

The location

100N.-45W.

Lyon County

The north side of Rock
Rapids between the
main road and the

We later obtained complete
construction, W/4. 1st

25301

Lyon

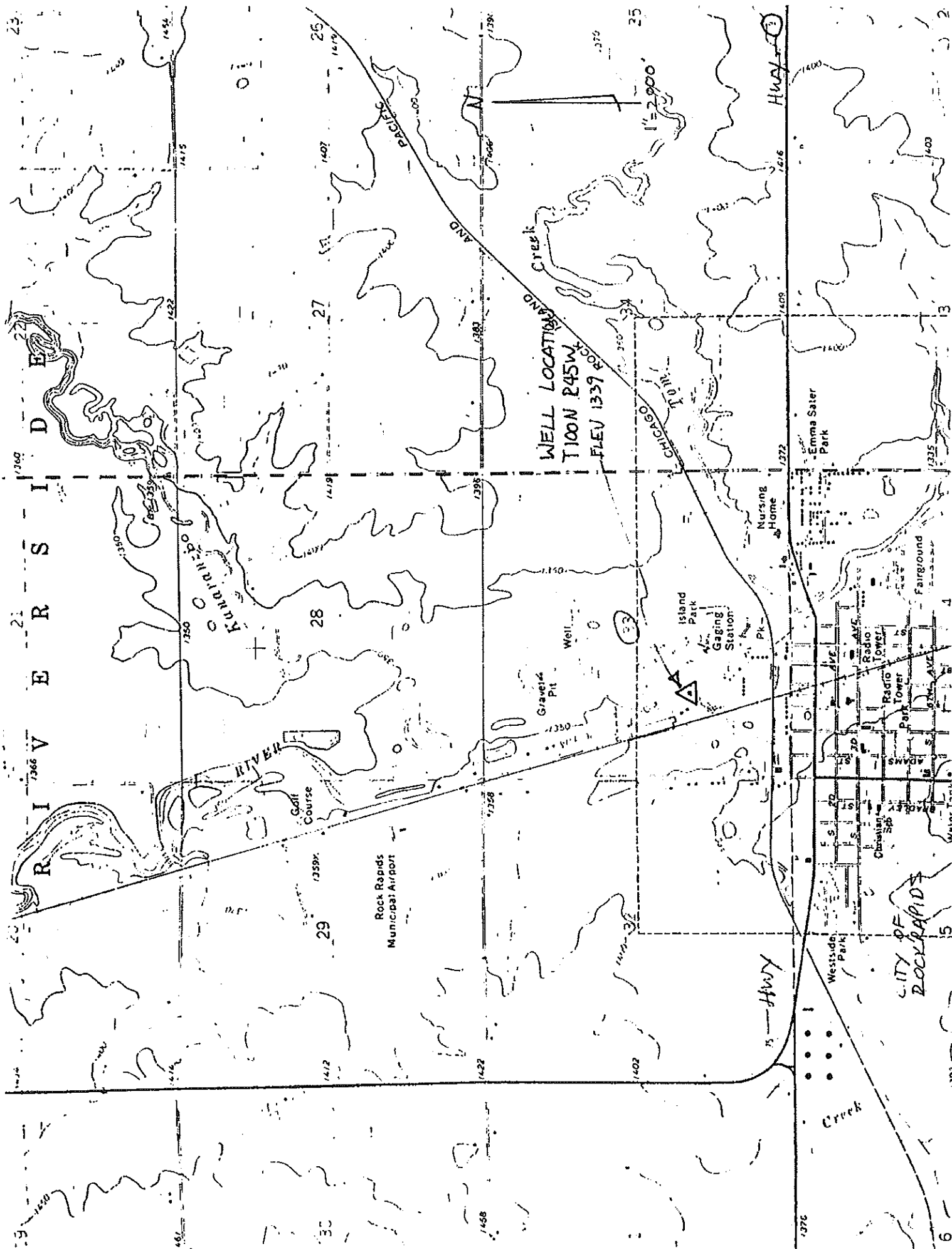
Name. Rock Rapids

Loc. 100T-45W Sec. 33

SW 1/4 - NE 1/4 - SW 1/4 Dn

I.O. —

Bedrock —



DeWild Grant Reckert & Associates Co.
Architectural Engineering and Planning

315 First Avenue
Rock Rapids, Iowa 51246
Telephone 712 472 2531

600 Sioux City Federal Plaza Bldg
Sioux City, Iowa 51101
Telephone 712 277 3049

300 National Bank of South Dakota Bldg
Sioux Falls, South Dakota 57102
Telephone 605 339 4157

27224.5
Div 3

7 August 1978

Iowa Geologic Survey
123 North Capitol Street
Iowa City, Iowa 52242

Attention: Mr. Orville Van Eck

Re: Gravel samples
Rock Rapids, Iowa

Dear Mr. Van Eck:

Enclosed please find three (3) sample containers from a well recently constructed in Rock Rapids, Iowa for the municipal water system. Also enclosed are copies of sieve analysis as performed by Ed Lacey & Sons and a map locating the well from which the samples were taken.

If you have any questions regarding this transmittal, please contact us.

Very truly yours,

DEWILD GRANT RECKERT
& ASSOCIATES COMPANY

David P. Kunath

DPK:mrw
Enclosure

cc: Ed Lacey & Sons

Ed H. Lacey & Sons
Trent, South Dakota 57065
Ph. 605-428-5686

7' x 12" p.s. -
1/4" x 10" - 07/01/07

Gravel Analysis

Name: Rock Rapids City

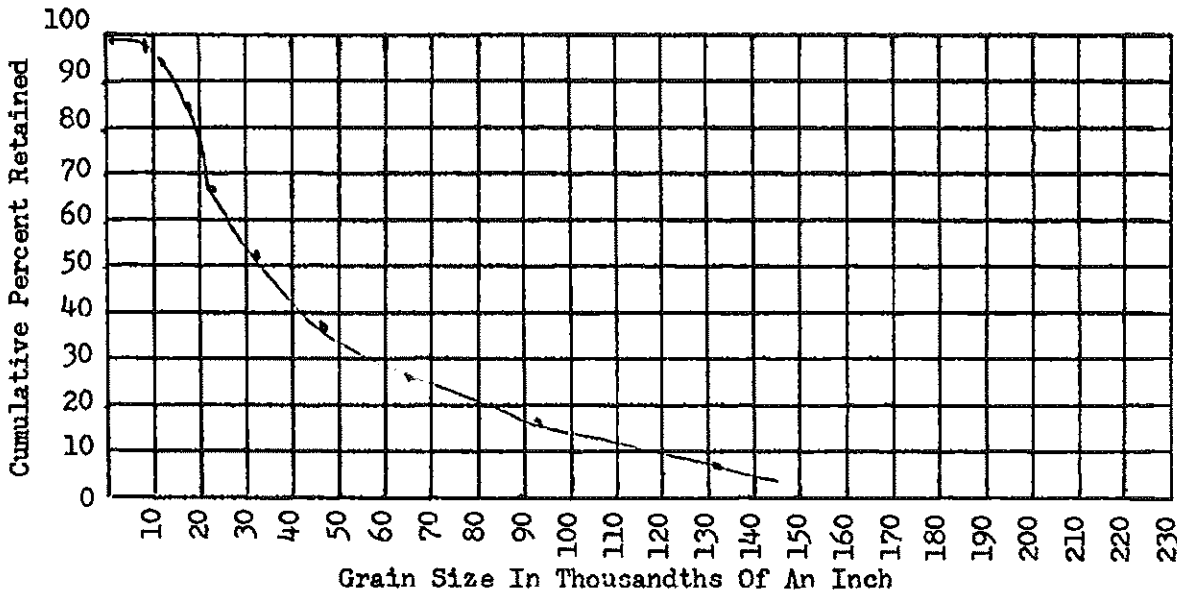
Date: 8-1-78

Address: _____

Well Bore Sample

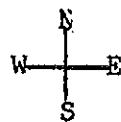
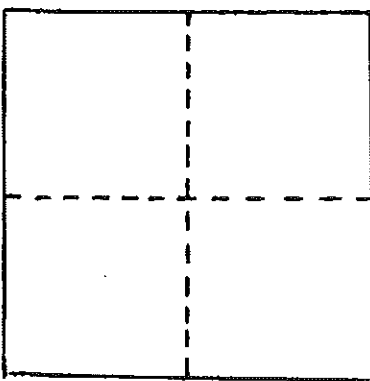
Legal Description: _____

20-24' Depth



70% = .022

	Sieve Size In Thousandths									
	Dust	.0082	.0116	.0164	.0232	.0328	.046	.065	.093	.131
Weight	6	10	29	52	45	40	36	29	27	23
Percent Retained	2.0	3.3	9.8	17.5	15.1	13.6	12.1	9.8	9.1	7.7
Percent Totals	99.9	97.9	94.6	84.8	67.3	52.2	38.7	26.6	16.8	



Classification	Grain Sizes
Gravel	0.080" and Up
Very Coarse Sand	0.040" to 0.080"
Coarse Sand	0.020" to 0.040"
Medium Sand	0.010" to 0.020"
Fine Sand	0.005" to 0.010"
Very Fine Sand	0.003" to 0.005"
Silt and Clay	Below 0.003"

Ed H. Lacey & Sons
Trent, South Dakota 57065
Ph. 605-428-5686

Gravel Analysis

Name: Rock Rapids City

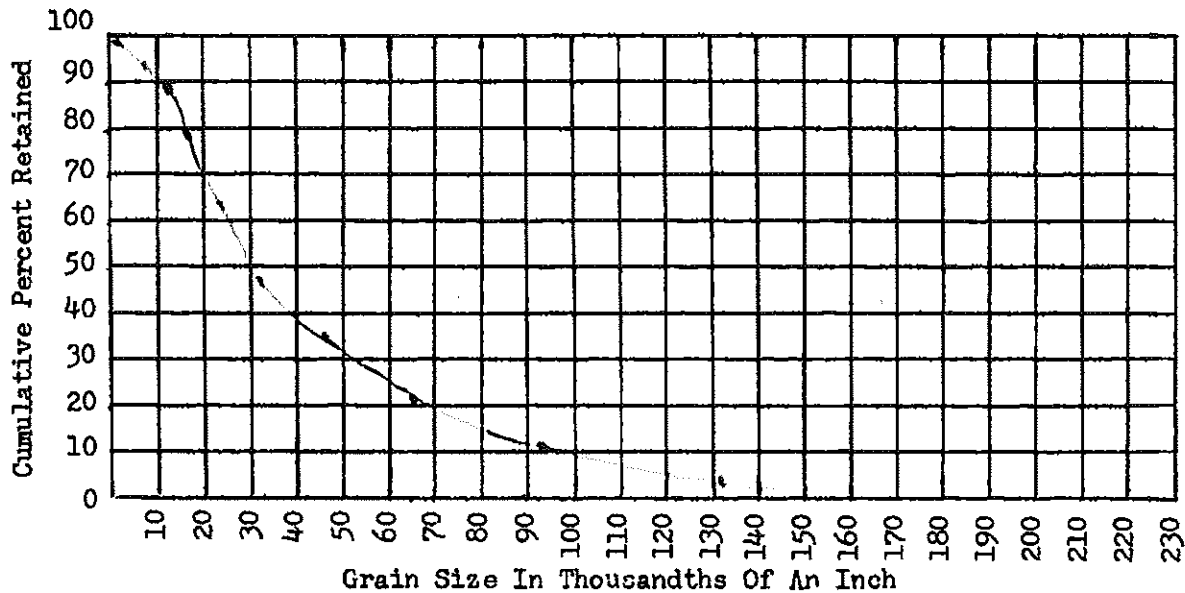
Date: 8-11-78

Address: _____

Well Bore Sample

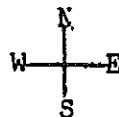
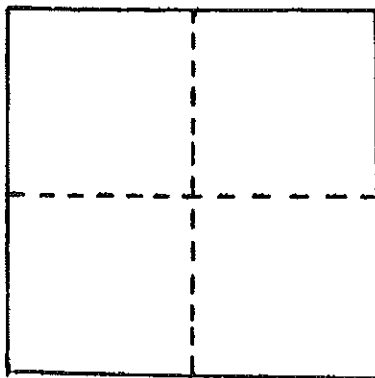
Legal Description: _____

16-20 Depth



70% = .075

		Sieve Size In Thousandths									
		Dust	.0082	.0116	.0164	.0232	.0328	.046	.065	.093	.131
Weight		15	12	26	40	39	33	35	25	20	10
Percent Retained		5.9	4.7	10.2	15.7	15.3	12.9	13.7	9.8	7.8	3.9
Percent Totals		99.9	94	89.3	79.1	63.4	48.1	35.2	21.5	11.7	



Classification	Grain Sizes
Gravel	0.080" and Up
Very Coarse Sand	0.040" to 0.080"
Coarse Sand	0.020" to 0.040"
Medium Sand	0.010" to 0.020"
Fine Sand	0.005" to 0.010"
Very Fine Sand	0.003" to 0.005"
Silt and Clay	Below 0.003"

Johnson Division
P.O. Box 3118 - St. Paul, Minnesota 55185
Telephone 612-636-3900 - Telex 29-7451

PAGE 01

MARKING INSTRUCTIONS

SHIPMENT
PACKING LIST 08/01/78

JOHNSON ORDER
NUMBER
W-61233

UOP Inc.

ED LACEY
P.O. BOX 796
TRENT
SOUTH DAKOTA

ED LACEY
P.O. BOX 796
TRENT
SOUTH DAKOTA

INVOICE TO

27224.5
DUV 2
408 OKL.

CUST. ORDER DATE	CUSTOMER ORDER NUMBER	CUST. NO.	DATE SHIPPED	SHIP VIA	SHIPPING INSTRUCTIONS
07/01/78	VERBAL	472009	8-3	WYVWA	DUNCAN

ITEM NO.	PROD CODE	ITEM NUMBER/DESCRIPTION	NOMINAL DIAMETER U/M	LENGTH U/M	SLOT U/M	QUANTITY ORDERED	PREVIOUS QUANTITY SHIPPED	SHIPMENT COMPLETE /PARTIAL	FRT. COLLECT OR QUANTITY THIS SHIPMENT
IX	042	TYPE 304 STAINLESS STEEL HI-Q SCREEN, WELD RING TOP X PLATE BOTTOM	12.000 PS	7.000	.070	1			1

COPIES TO SHOP

TIME _____

DATE _____

BY _____

Rock Rapids City

WEIGHT	NO. OF BOXES	FREIGHT COSTS	SHIPPED VIA	UOP-14-2246	SHIPPING COPY	JOHNSON ORDER NUMBER W-61233
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