

COUNTY Atchison (ACTUALLY IN MISSOURI) just across ^{the} river from the City of Atchison

LOCATION 55-37W-19E CA

DATE July 26, 1967

PERFORMED BY Layne-Western for Midwest Solvents

DISCHARGE variable 1000 - 1950 gpm

LENGTH OF TEST 180 min recovery for 15 min

OF OBSERVATION WELLS none

DISTANCE(S) TO PUMPING WELL .75'

WATER LEVEL = 13' 2"

AQUIFER TYPE ALLUVIAL (Missouri River)

DEPTH OF TEST WELL 92'

SCREEN 25' at bottom of well in medium to coarse sand & gravel

COMMENTS The T and S values calculated for this test seem reasonably good.

METHOD	COMPUTER ANALYSIS			
	T (gpd/ft)	S	RMS error	r
DR.VQ	266,587	2.22×10^{-5}	.476	.75' (using partial data)
DR.VQ	273,050	1.35×10^{-5}	.33	.75' (using complete data)

WELL INFORMATION



Layne-Western Company

1. CONTRACT MIDWEST SOLVENTS

2. City, State ATCHISON, KANSAS

3. Well No. 3-New at Test Hole No. 1961

4. Well Location (attach map) 400' N. OF
FARRELL WELL ON HWY

5. Driller R.L. SANSBURY

6. DATE JULY 26TH, 1967

7. Date Started JULY 13, 1967

Completed JULY 25, 1967

8. Drill Crew Man Hrs. 275

9. Working Days

Drilling ONE

Other SEVEN

10. MATERIAL IN WELL

	LENGTH FT. IN.	DIA. IN.	GAGE NO.	WALL THICK- NESS IN.	MATERIAL	TYPE	NO.
Screen	25' 0"	18"	—	—	STAINLESS STEEL	SHUTTER Refractive	Openings
Inner Casing	70' 0"	18"	—	409	STD. STEEL	WELDED Welded Screwed	
Outer Casing	—	—	—	—	—	Welded Screwed	

11. GRAVEL

Size 1/8 x 1/4 COARSE

Tons 20 TONS

12. SEALING CASING

Puddled Clay ☒ (Yes) (No)

With Bags Bentonite Added
or

With Bags Cement

Seal Material Placed in
Well With

Bottom of Well Screen
Sealed With STEEL PLATE

13. WELL DIMENSIONS

A. Total Depth 95' 0"
(From Top of Inner Casing to Bottom of
Well)

B. Height of Inner Casing 3'
(Above Ground Level)

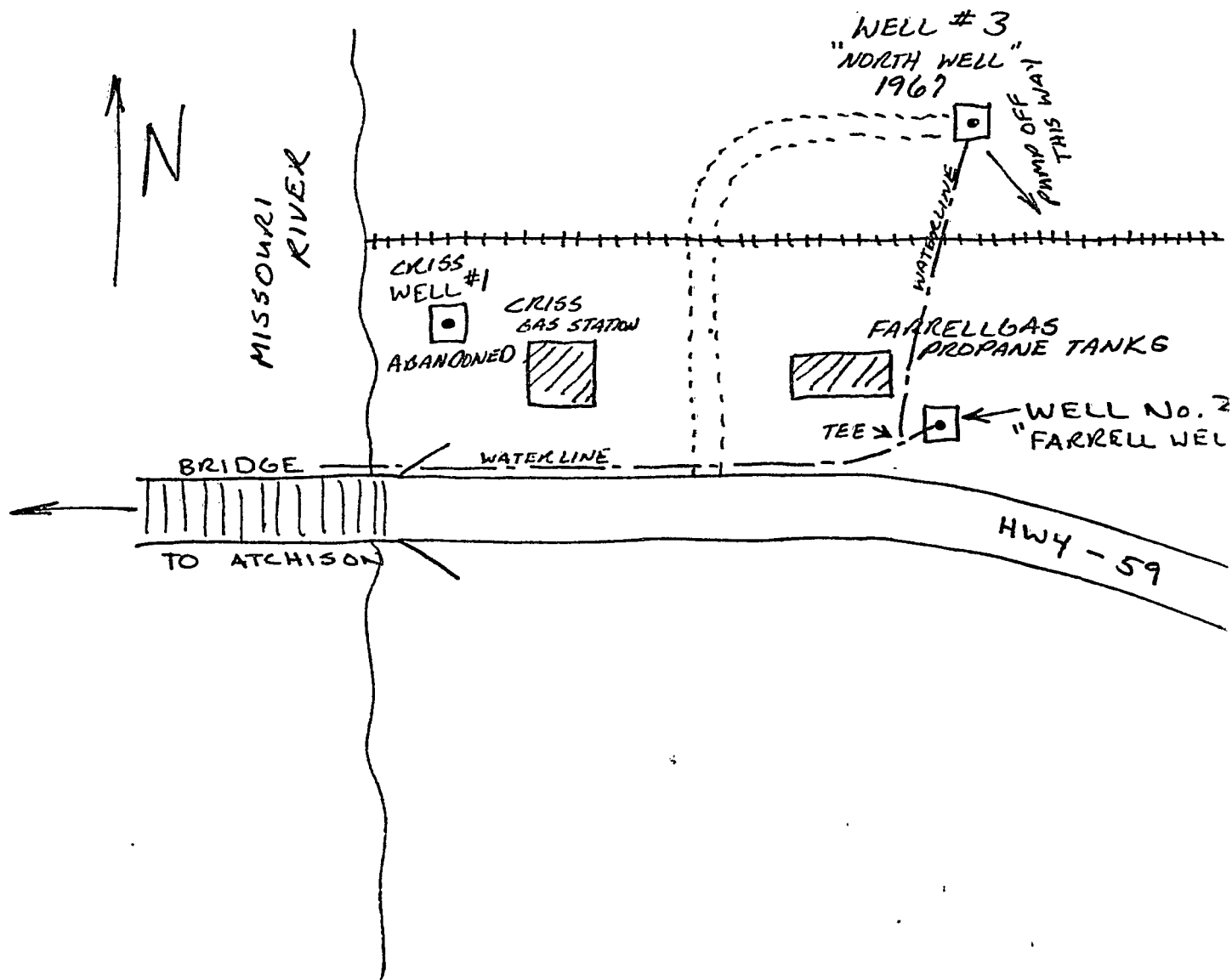
C. Distance to Top of Gravel 20'
(From Ground Level)

D. Diameter of Drill Hole 34"

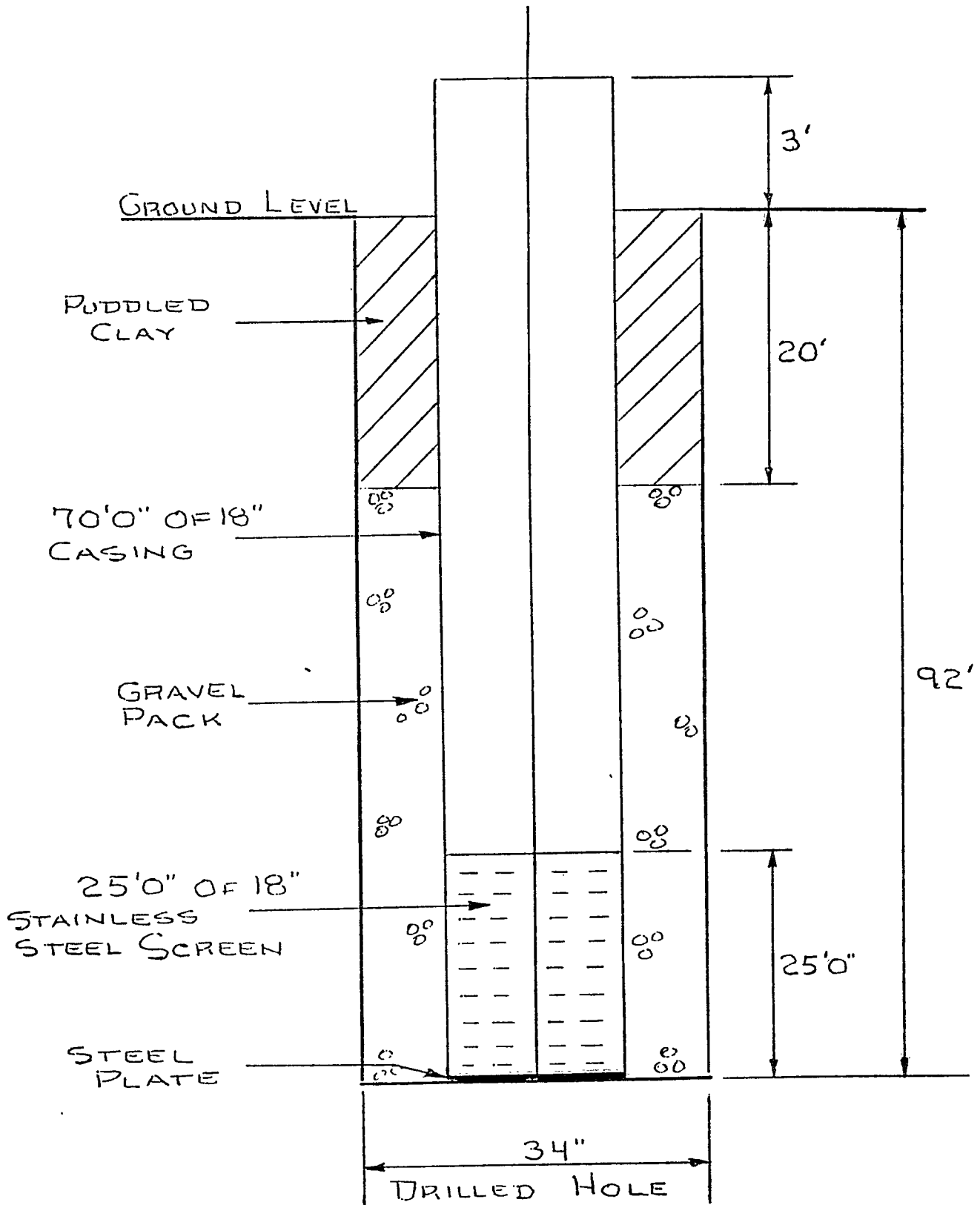
Comments



MAP OF WELL LOCATION



[illegible]



AUG, 1967

PUMPING TEST

A:

Test pump

.....in.....Bowl.....Stages

Permanent pump

Length of columnFt.

Length of BowlFt.

Length of suctionFt.

$\sqrt{= .75'}$

B. Measured water level 13' 2" Ft. from top of 18 In.

dia. casing which is 3 Ft. above ground.

ORIFICE

9" x 12"

C. Length of airlineFt. from top of casing.

.....x.....

7-20-67

TIME	INCHES ORIFICE MANOMETER	GPM	ALT. GAGE READING	WATER LEVEL	DRAW DOWN
8:00 AM		0		13' 2"	0
8:01	1	1000	$= 133.69 \text{ ft}^3/\text{m}$	20' 11"	7' 9" 7.8
8:30	30	1000		21' 7 $\frac{3}{4}$ "	8' 5 $\frac{3}{4}$ " 8.48
9:00	60	1000		21' 8 $\frac{1}{4}$ "	8' 6 $\frac{1}{4}$ " 8.52
9:01	61	1500	$- 2' 0.53$	25' 9 $\frac{1}{2}$ "	12' 7 $\frac{1}{2}$ " 12.63
9:30	90	1500		26' 6 $\frac{1}{2}$ "	13' 4 $\frac{1}{2}$ " 13.38
10:00	120	1500		26' 7 $\frac{1}{2}$ "	13' 5 $\frac{1}{2}$ " 13.46
10:01	121	1950	$= 260.7$	30' 8"	17' 6" 17.5
10:30	150	1950		31' 3 $\frac{1}{2}$ "	18' 1 $\frac{1}{2}$ " 18.13
11:00	180	1950		31' 4"	18' 2" 18.17
11:01	RECOVERY			16' 6"	3' 4" 3.34
11:05				16' 2"	3' 0" 3.0
11:10				16' $\frac{3}{4}$ "	2' 10 $\frac{3}{4}$ " 2.90
11:15				16' 0"	2' 10" 2.83

15. Permanent Pump No. installed by

Layne

Permanent air line lengthFt. Date.....

Month

Day

Year

KC 918

PUMPING TEST

11.00.00
Atkinson Kansas

DATE July 20th 1967

WELL NO. _____

TEST HOLE NO. 1961

12" X 4" ORIFICE

0 INCH ON TAPE IS 13' 2" FT. TO BOTTOM OF ELECTRIC PROBE
MEASURED TO TOP OF 18" INCH CASING 3' FEET ABOVE GROUND LEVEL

DAY	TIME	TAPE READING	DEPTH TO WATER		INCHES ON ORIFICE	GPM	
7-20-67	7:00	0' 0"	13' 2"		0	0	
	:01	1	11' 92"	7.7	7.5	1000	133.64 1 1/4
	:02	2	11' 11"	7.98	7.5	1000	
	:03	3	11' 12"	8.02	7.5	1000	
	:04	4	11' 13"	8.08	7.5	1000	
	:05	5	11' 14"	8.17	7.5	1000	
	:10	10	11' 15"	8.27	7.5	1000	
	:15	15	11' 16"	8.34	7.5	1000	
	:20	20	11' 17"	8.42	7.5	1000	
	:25	25	11' 18"	8.46	7.5	1000	
	:30	30	11' 19"	8.48	7.5	1000	
	:40	40	11' 20"	8.5	7.5	1000	
	:50	50	11' 21"	8.5	7.5	1000	
	9:00	60	12' 0"			1000	
	:01	61	12' 02"	12.62	12.5	1500	200.5 4 3/4
	:02	62	12' 04"	12.75	12.5	1500	
	:03	63	12' 06"	12.92	12.5	1500	
	:04	64	12' 08"	13.02	12.5	1500	
	:05	65	12' 10"	13.08	12.5	1500	
	:10	70	12' 15"	13.21	12.5	1500	
	:15	75	12' 20"	13.27	12.5	1500	
	:20	80	12' 25"	13.34	12.5	1500	
	:25	85	12' 30"	13.35	12.5	1500	
	:30	90	12' 35"	13.38	12.5	1500	
	:40	100	12' 40"	13.42	12.5	1500	
	:50	110	12' 45"	13.44	12.5	1500	
7-20-67	10:00	120	13' 5' 1/2"	13.46	12.5	1500	
	:01	121	17' 0"	17.5	30.5	19.50	260.7 4 3/4
	:02	122	17' 02"	17.6	30.5	19.50	
	:03	123	17' 04"		30.5	19.50	
	:04	124	17' 06"		30.5	19.50	
	:05	125	17' 08"		30.5	19.50	
	:10	130	17' 10"		30.5	19.50	
	:15	135	17' 12"	18.02	30.5	19.50	
	:20	140	17' 14"		30.5	19.50	
	:25	145	17' 16"		30.5	19.50	
	:30	150	17' 18"	18.12	30.5	19.50	
	:40	160	17' 20"		30.5	19.50	
	:50	170	17' 22"	18.17	30.5	19.50	
	11:00	180	17' 24"		30.5	19.50	
	11:01		17' 26"				
	11:02		17' 28"				
	11:03		17' 30"				
	11:04		17' 32"				
	11:05		17' 34"				

COUNTY Atchison

LOCATION 7-17E-8ADA

DATE 4-1-70

PERFORMED BY Layne-western for Atchison^{county} RWD#4

DISCHARGE 60 gpm

LENGTH OF TEST 420 min

OF OBSERVATION WELLS NONE

DISTANCE(S) TO PUMPING WELL .34'

WATER LEVEL = 21.6'

AQUIFER TYPE Alluvial - ~~glacial~~? (Delaware River)

DEPTH OF TEST WELL 47'

SCREEN 5' in Typ C sand and gravel
fine, medium, and coarse

COMMENTS The first reading is at 30 minutes. A curve of this data would be very flat.

METHOD	COMPUTER ANALYSIS			
	T (gpd/ft)	S	RMS error	r
Thi's	21,688	9.3×10^{-5}	.058	.34'



WELL INFORMATION

Layne-Western Co. Inc.

1. CONTRACT ATCHISON COUNTY
R.W.D. #4
2. City, State ARRINGTON, KANSAS
3. Well No. 1 at Test Hole No. 1-70
4. Well Location (attach map)
1500' ± SOUTH OF E-W ROAD
45' WEST OF N-S ROAD
5. Driller O.J. HARPER
6. DATE 3-31-70
7. Date Started 3-30-70
Completed 4-1-70
8. Drill Crew Man Hrs.
9. Working Days
Drilling
- Other:

10. MATERIAL IN WELL

	LENGTH FT. IN.	DIA. IN.	GAGE NO.	WALL THICK- NESS IN.	1/2" Detail of MATERIAL all v.	TYPE	NO.
Screen	<u>5' 0"</u>	<u>8"</u>	<u>7</u>	<u>.1875"</u>	<u>STAINLESS STEEL</u>	<u>SHUTTER</u>	<u>6 (.08")</u>
						Shutter Keystone	Openings
Inner Casing	<u>35' 4"</u>	<u>8"</u>	<u>—</u>	<u>.322"</u>	<u>STEEL (28.55 lb/ft.)</u>	<u>WELDED</u>	
						Welded Screwed	
Outer Casing	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Welded</u>	
						Welded Screwed	

11. GRAVEL

Size 1/4" x 1/8" fine side & #3 & #4 sand

Tons 2 1/2

12. SEALING CASING

Puddled Clay (Yes) (No)

With 6 Bags Bentonite Added to
or Seal gravel pack
With 3 Bags Cement + 15 gal. water

Seal Material Placed in
Well With

Bottom of Well Screen
Sealed With WASH PLUG

13. WELL DIMENSIONS

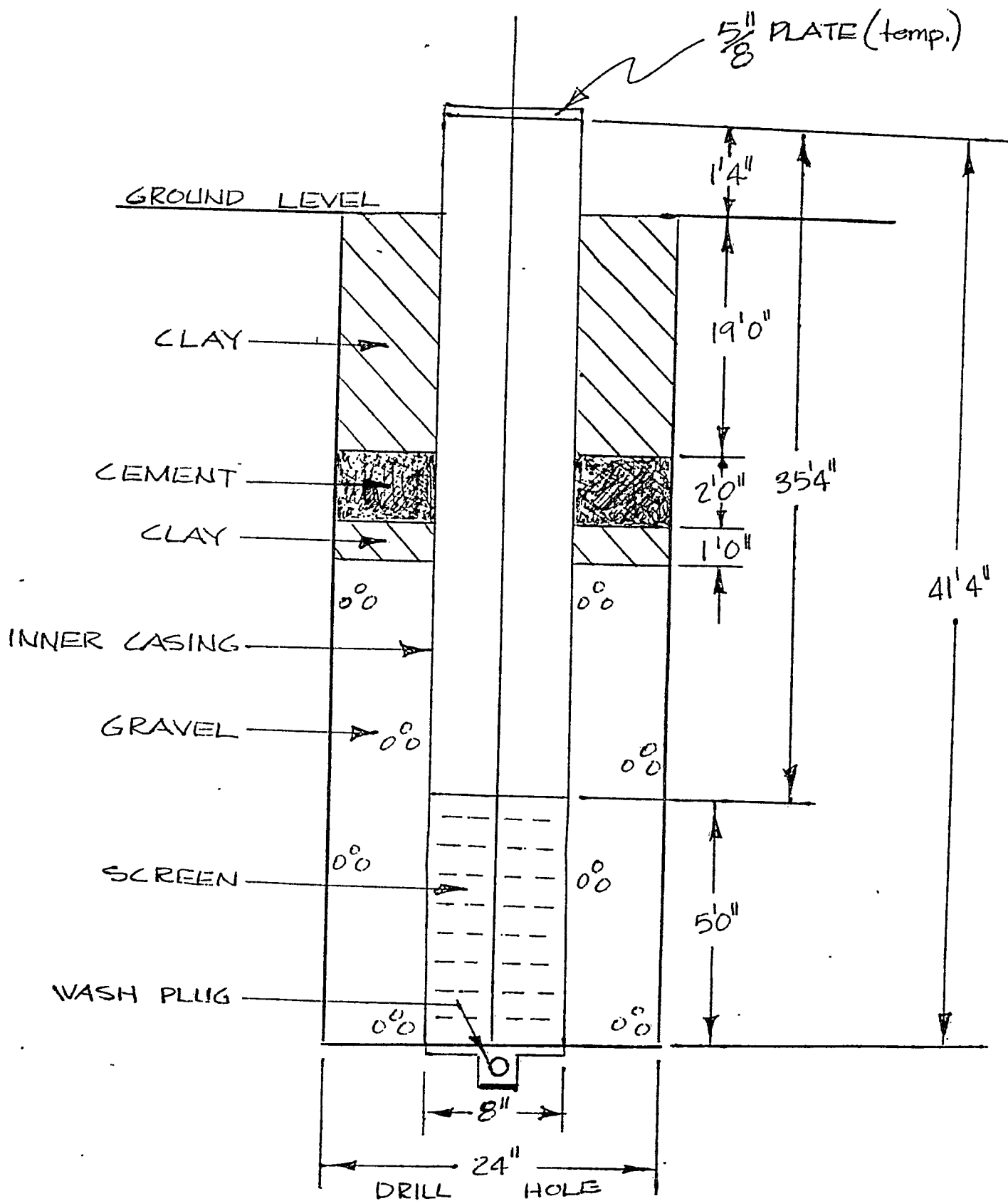
- A. Total Depth 41' 4"
(From Top of Inner Casing to Bottom of Well)
- B. Height of Inner Casing 1' 4"
(Above Ground Level)
- C. Distance to Top of Gravel 22'
(From Ground Level)
- D. Diameter of Drill Hole 24"

Comments REAMED VERY
SLOW FROM 0' 6" - 22' 0"

LOG OF WELL

[illegible]

CONSTRUCTION OF WELL



PUMPING TEST

Test pump 5 H.P. SUBMERSIBLE - 37' SETTING
in _____ Bowl _____ Stages

Permanent pump

Length of column _____ Ft.

Length of Bowl _____ Ft.

Length of suction _____ Ft.

File _____
Geohydro - TOWARD

$V = 34'$

B. Measured water level 21.6' Ft. from top of 8 In.

dia. casing which is 1'4" Ft. above ground.

ORIFICE

C. Length of airline _____ Ft. from top of casing.

TIME	INCHES ORIFICE MANOMETER	GPM	ALT. GAGE READING	WATER LEVEL	DRAW DOWN
7:00 am		0		21.6'	0
7:30		60		27.5'	5.9'
7:50		60		27.5'	5.9'
	PUMP	OFF 7:50 TO 8:00			
8:00				22.6'	
8:30	30	60 = 8.02 ft ³ /m		27.7'	6.1' 5.1
9:00	60	60		28.1'	6.5' 5.5
9:30	90	60		28.2'	6.6' 5.6
10:00	120	60		28.2'	6.6' 5.6
11:00	180	60		28.3'	6.7' 5.7
12:00	240	60		28.4'	6.8' 5.8
1:00 pm	300	60		28.5'	6.9' 5.9
2:00	360	60		28.6'	7.0' 6.0
3:00		60		28.6'	7.0' 6.0

WATER RECOVERED 28.6' TO 22.1' IN 50 MINUTES

15. Permanent _____ Pump No. _____ installed by _____
Layne

Permanent air line length _____ Ft. Date _____
Month Day Year

COUNTY Atchison

LOCATION 5-21E-29BAA?

DATE 5-13-67

PERFORMED BY USGS (St. Benedicts)

DISCHARGE 1305 gpm

LENGTH OF TEST $5 \frac{1}{2}$ hours recovery for 1 hour

OF OBSERVATION WELLS

DISTANCE(S) TO PUMPING WELL 100', 25', 75', 50'

WATER LEVEL = 10.51'

AQUIFER TYPE ALLUVIAL (Missouri River)

DEPTH OF TEST WELL ? cannot locate log
SCREEN

COMMENTS Using the Theim method gives large errors and lower T values. The leaky method will not converge and therefore indicates ~~that~~ this aquifer is not under leaky conditions. Storage values can not be determined from this test. The plot shows a good fit for the 100' observation^{well} using the Theis method.

COMPUTER ANALYSIS

METHOD	T (gpd/ft)	S	RMS error	r
REC	549,331	—	—	100'
RIC	375,441	—	—	25'
leaky	does not	converge	—	100'
leaky	does not	converge	—	25'
Theis	256,186	.00043	(.671)	25' , .00 = 827
Theis	577,596	1.97×10^{-13}	.072	75'
Theis	545,060	.000006	.072	100'

COUNTY Addison

LOCATION 5-ZIE-29 BAA continued

DATE

PERFORMED BY

DISCHARGE

LENGTH OF TEST

OF OBSERVATION WELLS

DISTANCE(S) TO PUMPING WELL

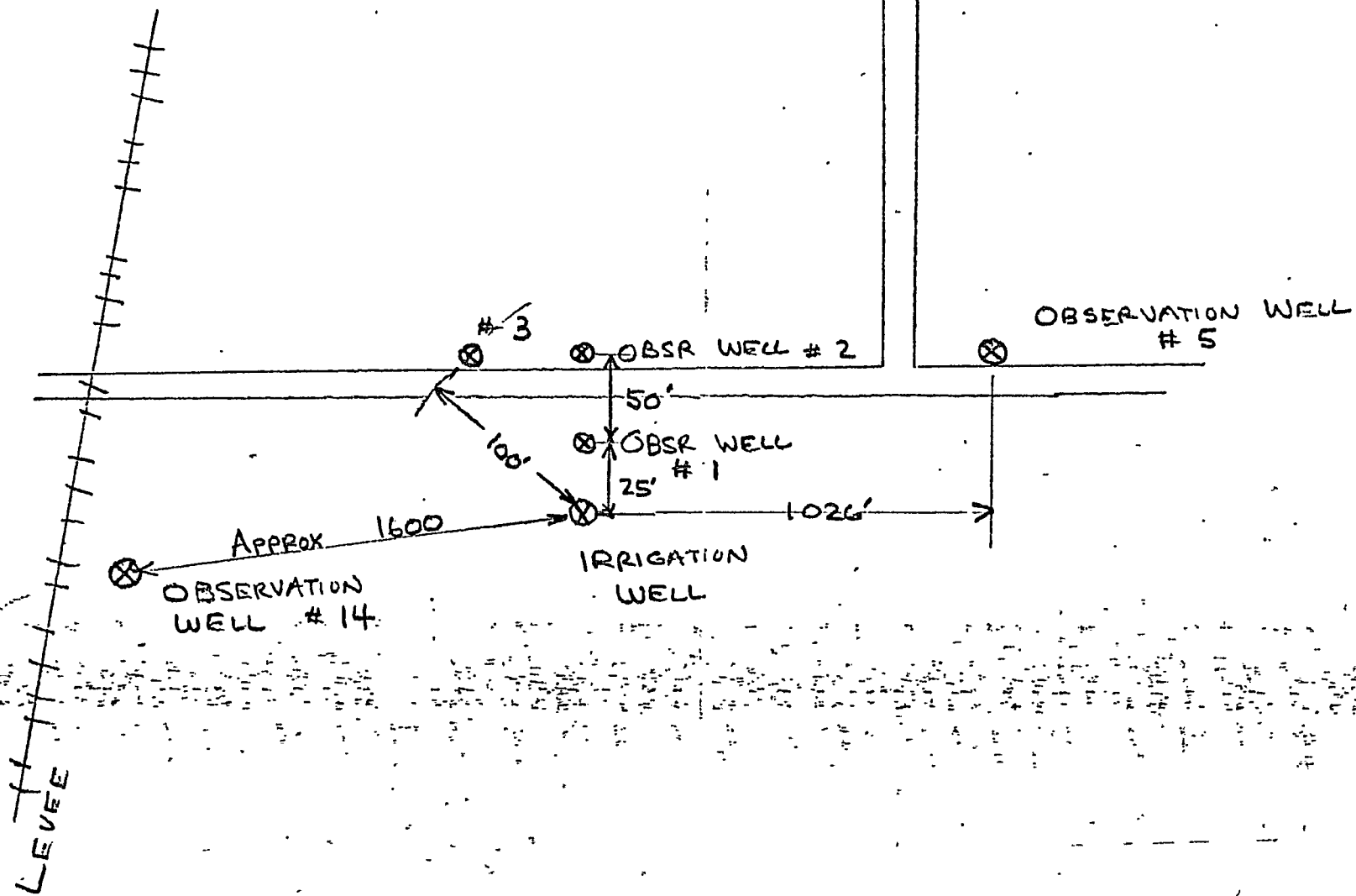
AQUIFER TYPE

DEPTH OF TEST WELL

SCREEN

COMMENTS

METHOD	COMPUTER ANALYSIS			
	T (gpd/ft)	S	RMS error	r
Theis	513,748	.000027	.095	50'
Theim	197,209	.0014	1.32	75', 25', 100' (to 120 min)
Theim	182,886	.0026	1.42	75', 50', 100' (to 65 min)
Theim	303,694	.00027	1.0	25', 50', 100' (to 65 min)
Theim	191,910	.0029	.78	25', 50', 100' (@ 20 min)
			.25	25', 50', 100' (to 20 min)



9-195a
rev.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey—Water Resources Branch
Water-level measurements (Office)

Owner _____ Field No. _____
Location obs well "2" Office No. _____
M.P. _____ Elev. M.P. _____

Constant		Depth Below		Altitude	By	Remarks
Date	Hour	M.P.	Land			
5-12	2030	10.35				Dist to Powell is
5-13	1030	10.34				75'
	1210	10.43				
	1225	10.42	9.3			Pumping class 15
	255	11.10	1.5	1.68		
	265	11.60	2.15	1.18		2.18?
	28.	11.86	3.3	1.44		2.44?
	30.	12.11	5'	1.69		2.69?
	33	12.24	6'	1.82		2.82?
	37.	12.35	11'	1.93		2.93
	43	12.46	18'	2.04		3.04
	48	12.439	23'	2.02		3.02
	53	12.479	28'	2.06		3.06
	1303	12.537	38'	2.12		3.12
	13	12.589	48"	2.17		3.17
	23	12.591	58"	2.17		3.17 ✓ eff of
	33	13	68'	2.58		3.58 Dist. to Powell is
	43	13.87	12.95	3.45	78'	* Datum change
	53	13.90	12.98	3.48	88'	* recorder down
	1430	(13.98)	13.06	3.56	125'	* these readings
	1457	(14.02)	13.10	3.60	152'	* Steel tape and
Remainder						

$r = 50'$

(18)

UNITED STATES
DEPARTMENT OF THE INTERIOR

Geological Survey—Water Resources Branch
Water-level measurements (Office)

Owner _____ Field No. _____

Location Recovery date _____ Office No. _____

M.P. _____ Elev. M.P. _____

Constant		Depth Below		Altitude	By	Remarks
Date	Hour	M.P.	Land			
1500.5	12.867	←			155 1/2	3.45
1	11.0					distances to water
1 1/2	10.87	✓				
2	10.71					
2.5	10.67					
3	10.57					
4	10.47					
5	10.4					
6	10.32					
8	10.26					
10	10.20					
12	10.17					
15	10.11					
18	10.09					
20	10.08					
25	10.04					
30	9.99					
40	9.95					
50	9.95					
60	9.91					

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey—Water Resources Branch
Water-level measurements (Office)

Field No. _____
Office No. _____
Elev. M.P. _____

Date	Hour	Depth Below		Altitude	By	Remarks
		M.P.C.	Sound			
10/27	10.00	11.00	0.51	10.49		
	10.11	11.00	2.49	10.51		
	12.13	11.00	0.49	10.51		1225
	12.24	11.00	0.49	10.51		Pump on at 12:24
	11'	22.00	4.00	20.10		9.89
	1 1/2'	22.00	1.55	20.45		9.94
	2'	22.00	1.37	20.63		10.12
	3'	22.00	1.20	20.80		10.29
	4'	22.00	1.10	20.90		10.39
	5'	22.00	—	—		
	5 1/2'	23.00	1.98	21.02		10.51
	7'	22.00	0.88	21.12		10.61
	9'	22.00	0.80	21.20		10.69
	11'	22.00	0.72	21.28		10.77
	13'	22.00	0.71	21.29		10.78
	15'	22.00	0.69	21.31		10.80
	20'	22.00	0.58	21.42		10.91
	25'	22.00	0.55	21.45		10.94
	30'	22.00	0.54	21.46		10.95
	51'	22.00	0.40	21.60		11.09
	62'	22.00	0.39	21.61		11.10
	98'	22.00	0.29	21.71		11.20
	120'	22.00	0.23	21.77		11.26
	23	11.19	21.81	11.30		

V = .75

18

Geological Survey—Water Resources Branch
Water-level measurements (Office)

Constant						By	Remarks
Date	Hour	Depth Below		Altitude			
		M.P.	Land				
5-13	①	64	clicks	- 60	sec.		
	②	62	"	- 61	sec.		
	③	62	"	- 61	sec.		
④ = 1305 gpm							

9-195a
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UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey—Water Resources Branch
Water-level measurements (Office)

$r = 25'$

Owner St. Benedicts Field No. 114
Location Observation Well #1 Office No. 114
M.P. Elev. M.P.

Constant		Depth Below		Altitude	By	Remarks
Date	Hour	M.P.	Land	Below M.P.		
		<u>H.M.P.</u>	<u>LESS</u>	<u>Below M.P.</u>		
5-12	2002			10.70		TAPE
5-13	7 35			10.69		Recorder
5-13	1035			10.69		
	1149			10.74		Pump turned on
	1225			10.70		Recoverat and
	1225 $\frac{1}{2}$		<u>1.4</u>	11.60		Begin test
	25-33 sec.		<u>1.55</u>	11.70		0.90
	25-55 sec.		<u>0.92</u>	12.70		1.00
	1226-15 sec.		<u>1.25</u>	13.70		2.00
	26-37 sec.		<u>1.62</u>	14.70		3.00
	12 27		<u>2</u>	15.00		4.00
	27 $\frac{1}{3}$		<u>2.3</u>	15.10		4.30
	28		<u>3</u>	15.18		4.40
	28 $\frac{1}{2}$		<u>3.5</u>	15.24		4.48
	12 30		<u>5</u>	15.36		4.54
	31		<u>6</u>	15.42		4.66
	32		<u>7</u>	15.47		4.72
	33		<u>8</u>	15.50		4.77
	34		<u>9</u>	15.54		4.80
	12 35		<u>10</u>	15.58		4.84
	12 37		<u>12</u>	15.63		4.88
						4.93

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey—Water Resources Branch
Water-level measurements (Office)

Owner St. Benedict's Field No. _____
Location Observation Well #1 Office No. _____
M.P. _____ Elev. M.P. _____

Date	Hour	Depth Below		Altitude	By	Remarks
		M.P.	Land			
5-13-67	12:40	15		15.67		4.97
	12:45	20		15.75		5.05
	12:49	24		15.78		5.08
	12:55	30		15.82		5.12
	12:59	34		15.85		5.15
	13:03	38		15.88		5.18
	13:16	44		15.91		5.21
	13:25	65		15.96		5.26
	13:37	72		16.00		5.30
	13:48	81		16.03		5.33
	14:05	100		16.06		5.36
	14:25	120		16.11		5.41
	14:55	130		16.16		5.46
	15:00	155		16.17		5.47
	15:00					Pump off
	15:00-24 sec.	.4		15.17		4.47 start recovery
	15:00-48	.8		14.17		3.47
	15:01-11	1.15		13.17		2.47
	15:01-35	1.58		12.17		1.47
	15:02	2		11.89		1.19
	15:02-30 sec.	2.5		11.80		1.10

460
50 25
150
11

UNITED STATES
DEPARTMENT OF THE INTERIOR

Geological Survey—Water Resources Branch
Water-level measurements (Office)

Owner St. Benedicts Field No. _____

Location Observation Well # 1 Office No. _____

M.P. _____ Elev. M.P. _____

$r = 25'$

Constant		Depth Below		Altitude	By	Remarks
Date	Hour	M.P.	Land			
	1503		3	11.72		1.02
	1503 - 30 sec.		7.5	11.67		0.97
	1505		5	11.54		.84
	1506		6	11.49		.79
	1507 - 30 sec.		7.5	11.43		.73
	1509 - 30		9.5	11.37		.67
	1512 - 30		12.5	11.32		.62
	1515			11.28		.58
	1518			11.25		.55
	1524			11.20		.50
	1540			11.12		.42
	1550			11.09		.39
	1600			11.06		.36
	1623			11.00		.30
	1635			10.98		.28
	1658			10.95		.25
	1707			10.94		.24
	1737			10.91		.21
	1802			10.88		.18
	1807			10.86		.16

9-194
November 1919

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

St. Benedict

WATER LEVEL MEASUREMENTS (Field)

Measured by

9.91

CF

Location of Project

Ops Well # 3

DATE	HOUR	WELL NO.	TAPE READING AT—		DEPTH TO WATER	REMARKS
			Meas. point	Water level		
5/13/67	9 38		15.00	4.98	10.02	
	1001			9.91		
	10.40			9.91		
	11.19			10.33		(pump started)
	11.43			9.99		(pump started)
	11.53			9.94		
	12-06	30"		9.94		
	12-20			9.92		
	12-25			9.92		
		30"				Pump started
	12-26	2 1				
		30 1/2		11.84	1.92	
	12-27	7		12.07	2.15	
		20 2 1/2		12.21	2.29	
	12-28	2		12.26	2.34	
		30		12.44		
	12-29	4		12.44	2.52	
	30	30" 4 1/2		12.47	2.55	
	30	5		12.48	2.56	
	31	6		12.55	2.63	
	32	7		12.58	2.66	
	12-34	9		12.64	2.72	

135

U. S. GOVERNMENT PRINTING OFFICE

16-51805-2

12.70/2.78

gpm = 1305
= 174.465

r = 100

9-194
November 1949

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

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WATER LEVEL MEASUREMENTS (Field) Measured by Sirley

Location of Project St. Benedict, Ohio, Well #3

DATE	HOUR <i>(P.M.)</i>	WELL NO.	TAPE READING AT—		DEPTH TO WATER	REMARKS
			Meas. point	Water level		
5-11-49	12-26	11'		12.71	2.79	9.52
	12-38	13'		12.75	2.83	
	12-40	15'		12.76	2.84	
	1-43	18'		12.81	2.89	
	1-45	20'		12.84	2.92	✓
	1-47	22'		12.87	2.95	
	12-50	25'		12.87	2.97	✓
	12-53	28'		12.90	2.98	
	12-56	31'		12.94	3.02	
	1-00	35'		12.97	3.05	
	1-10	45'		13.04	3.12	
	1-20	55'		13.08	3.16	
	30	65'		13.08	3.16	
	2-00	95'		13.19	3.27	
	2-30	125'		13.24	3.32	
	3-00	155'		13.28	3.36	
	1	156		11-40	1.48	Pump Stopped
	2	157		11-17	1.25	Recovery
	2½	157½		11-00	1.08	Period
	3	158		10-97	1.05	✓
	4	159		10-88	0.96	
	5	160		10-82	0.90	
	6	161		10-77	0.85	

(78)

3

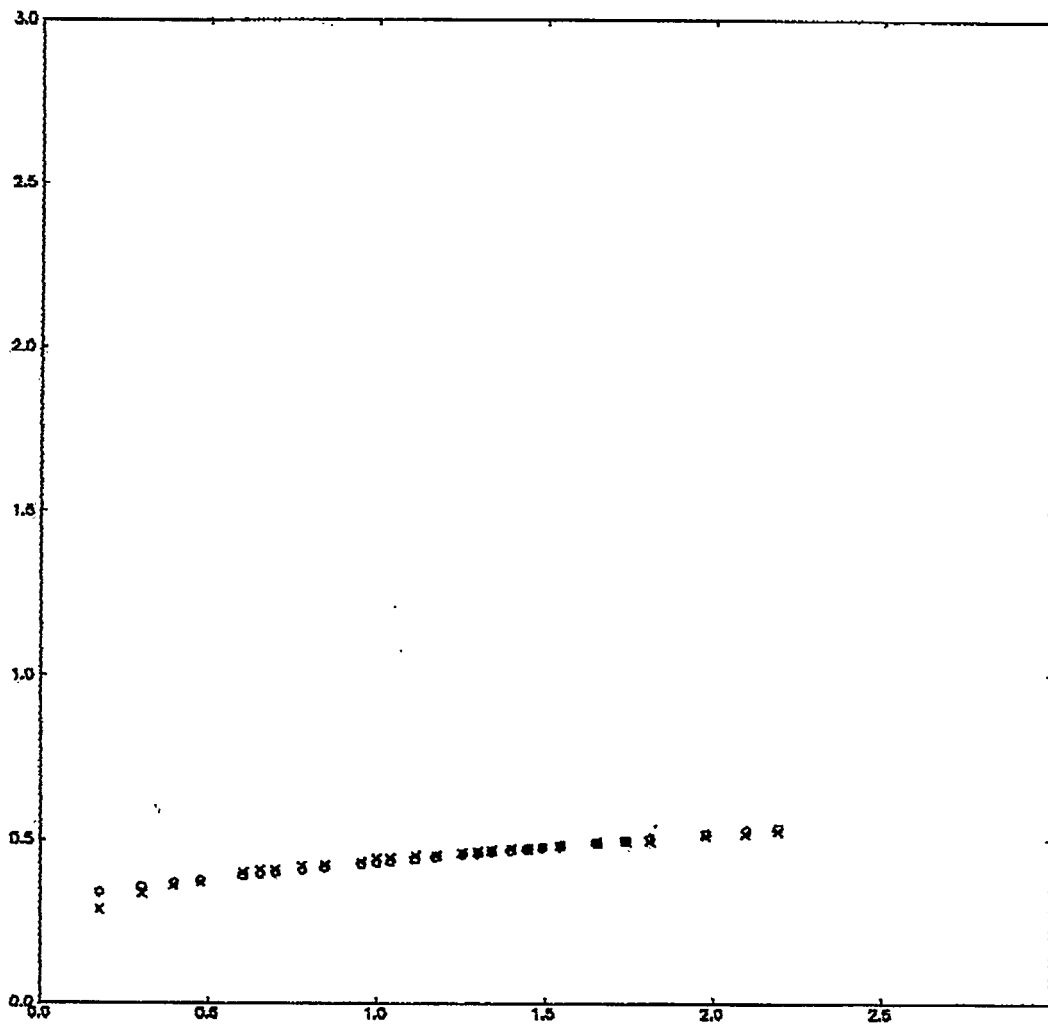
Measured by[illegible]

DATE 05/21/85 TIME 13:20:21 PLOT# 1 PATH= :SI1:PLOT:WK:LOGPLOT.SAINT.PLOT

LOGPLOT.SAINT.BENEDICT
PLOT NO. 1

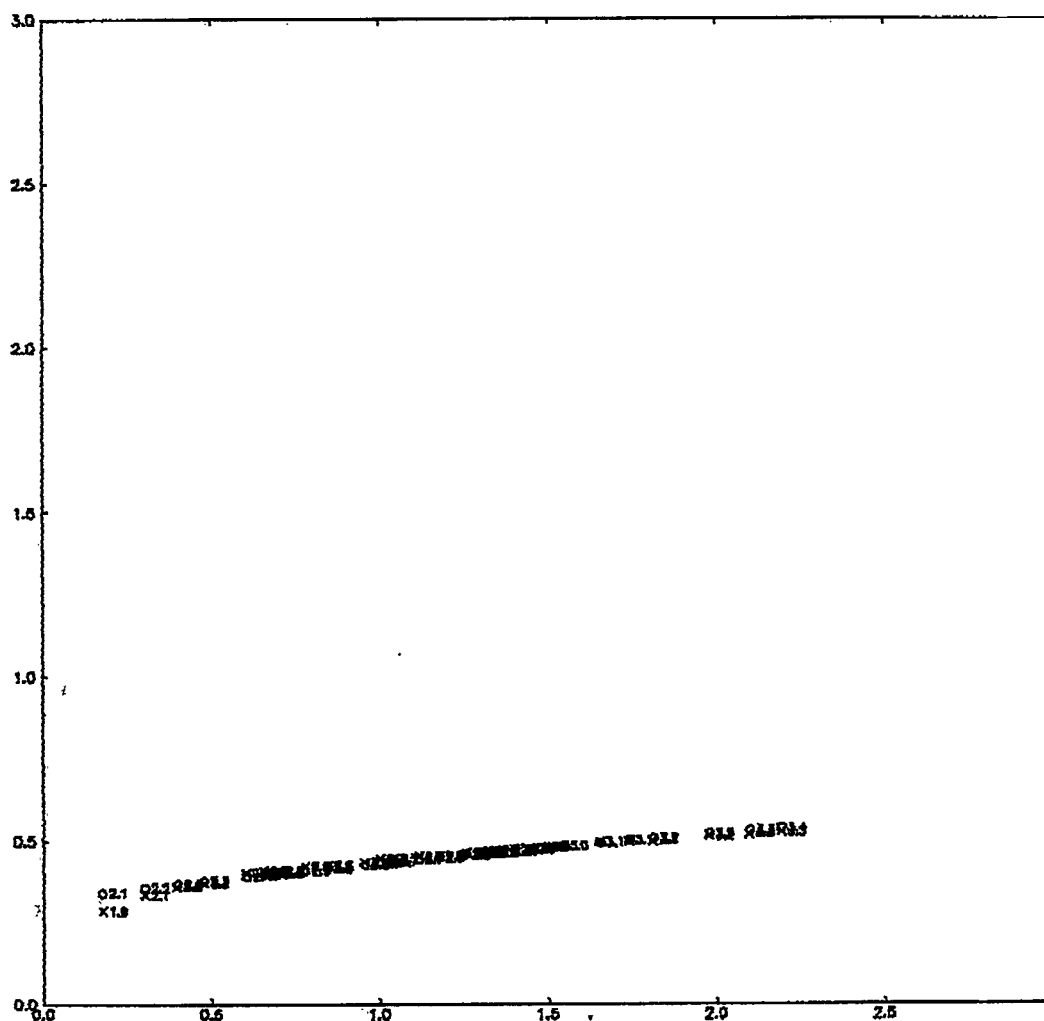
TIME 10:58:43

DATE 05/21/85



SAINT. CLI
(100')

* LABEL SAINT-BENEDICT
PLOT NO. 1 DATE 05/21/85 TIME 10:57:56



SAINT, CL
(100')