

# WELL STATION IDENTIFICATION

FORM RP-37 - Rev. 10/78

PAGE 1 OF 2

(COMPLETE THIS FORM ONLY FOR THE INITIAL SURVEY OF EACH WELL)

## WELL LOCATION CARD ONE

1	10	16	20	37	54	57	59	63	66	68	71
STATION I. D.	SURVEY DATE	YH CARD C	WELL NO.	COUNTY	LAT DEG	LAT MIN	LAT SEC	LON DEG	LON MIN	LON SEC	
0711000009	022681	W11	L-3004D	LEE	026	38	20.00	082	02	27.00	

## WELL LOCATION CARD TWO

1	17	20	37	39	42	45	61
STATION I. D.	SURVEY DATE	YH CARD C	QUARTERSECTIONS	SEC	TOWN-SHIP RANGE	WATER MANAGEMENT DISTRICT PLANNING AREA	
		W12	SW1/4; NE1/4; SE1/4	18	44S 22E	LOWER WEST COAST	

## WELL DATUM CARD

1	17	20	26	32	38	44	59
STATION I. D.	SURVEY DATE	YH CARD C	KELLY BUSH-ING (FEET)	LAND SUR-FACE (FT)	TOP OF CASING (FT)	OTHER (FT) (SEE NOTES)	DATUM (CHECK ONE)
		W21		50	80		MSL-X; LS-; TOC-

## WELL OWNERSHIP CARD

1	17	20	37	54	57	64	80
STATION I. D.	SURVEY DATE	YH CARD C	NAME OF OWNER	GROVE/PROPERTY NAME	AREA CODE	TELEPHONE	WELL USE
		W31	PINE IS. WATER AS				WATER SUPPLY

## WELL ORIGIN CARD

1	17	20	37	54	71	76
STATION I. D.	SURVEY DATE	YH CARD C	DRILLER/ DRILLING COMPANY	OFFICE OF DRILLER (CITY)	DRILLING METHOD	DATE COMPLETED
		W41	TAMIAMI DRILLING	FT. MYERS	REVERSE AIR	

NOTES: COLUMNS 1-16 ARE DUPLICATED IN EACH CARD.  
 COLUMN 16 IS AN ACTION CODE WITH THE FOLLOWING PERMISSABLE STATES - 1 (CREATE NEW RECORD),  
 2 (CHANGE ALL VALUES), OR 9 (DELETE OLD RECORD).

JANE

# WELL STATION IDENTIFICATION

FORM RP-38 - Rev. 10/78

PAGE 2 OF 2

(COMPLETE THIS FORM ONLY FOR THE INITIAL SURVEY OF EACH WELL)

## WELL DESCRIPTION - CONSTRUCTION CARD ONE

1	10	16	20	27	34	41	48	54	59	68
STATION I. D.	SURVEY DATE	CARD C	TOTAL DEPTH -DRILLER (FT)	TOTAL DEPTH -LOGGER (FT)	CASING DEPTH -DRILLER (FT)	CASING DEPTH -LOGGER (FT)	CASING I.D. (INCHES)	BIT SIZE (INCHES)	DRILLER LOG AVAIL.	
0710000090	022681	W51	774	770		450	980		YES-X; NO-	

## WELL DESCRIPTION - CONSTRUCTION CARD TWO

1	17	20	37	54	59	64	69	73
STATION I. D.	SURVEY DATE	CARD C	TYPE OF SCREEN	TYPE OF PACKING	DIA. OF SCREEN	SLOT SIZE (INCHES)	SCREEN BEGINS	SCREEN ENDS (FT)
		W52	OPEN HOLE					

## WELL DESCRIPTION - CONFIGURATION CARD. SECTION ONE (TOP)

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD C	SEC	TYPE OF CASING	NOM. DIA. (INCHES)	BEGIN DEPTH	END DEPTH (FEET)	THICKNESS (INCHES)	TYPE OF ANNULUS FILL
		W610	10	P.V.C.	100	0	298	02	CEMENT

## WELL DESCRIPTION - CONFIGURATION CARD. SECTION TWO

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD C	SEC	TYPE OF CASING	NOM. DIA. (INCHES)	BEGIN DEPTH	END DEPTH (FEET)	THICKNESS (INCHES)	TYPE OF ANNULUS FILL
		W6202	2	P.V.C.	90	298	450	02	CEMENT

## WELL DESCRIPTION - CONFIGURATION CARD. SECTION THREE

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD C	SEC	TYPE OF CASING	NOM. DIA. (INCHES)	BEGIN DEPTH	END DEPTH (FEET)	THICKNESS (INCHES)	TYPE OF ANNULUS FILL
		W6303	3						

NOTES: COLUMNS 1-16 ARE DUPLICATED IN EACH CARD.  
 COLUMN 16 IS AN ACTION CODE WITH THE FOLLOWING PERMISSABLE STATES - 1 (CREATE NEW RECORD),  
 2 (CHANGE ALL VALUES), OR 9 (DELETE OLD RECORD).  
 CARD TYPES <W64>, <W65>, .... <W69> MAY ALSO BE USED TO PROVIDE DATA FOR A TOTAL OF NINE SECTIONS.

JANE

# WELL SURVEY REPORT

FORM RP-39 -- Rev. 10/78

(USE ONE FORM/DAY/WELL)

## SURVEY CARD

1	10	16	20	37	54	56	58	60	62	64	66	68	70	72
STATION	SURVEY	CARD	LOGGED BY	WITNESSED BY	*	*	*	*	*	*	*	*	*	*
I. D.	DATE	C			A	B	C	D	E	F	G	H	I	J
0711000009022681	W71	S. ANDERSON	P. DAUENHAUER		X	X					X	X		

\*INSERT AN <X> IN EACH COLUMN FOR WHICH A SURVEY WAS CONDUCTED. SURVEY CODES ARE LISTED BELOW:

A = CALIPER	F = NATURAL GAMMA	K = TEMPERATURE GRADIENT
B = FLOWMETER	G = FLUID RESISTIVITY	L = DELTA TEMPERATURE
C = 16-INCH NORMAL RESISTIVITY	H = GAMMA GAMMA DENSITY	M = SPONTANEOUS POTENTIAL
D = 64-INCH NORMAL RESISTIVITY	I = CASING COLLAR LOCATOR	N = POINT RESISTANCE
E = NEUTRON POROSITY	J = FLUID SAMPLER	O = 6-FOOT LATERAL RESISTIVITY

## FLUID QUALITY CARD ONE

1	17	20	37	54	60	63
STATION	SURVEY	CARD	SAMPLE SOURCE	TYPE	DATE	TIME
I. D.	DATE	C	(WELLHEAD, ETC.)	FLUID	SAMPLED	SAMPLED
	W81	WELLHEAD	WATER		0.22.681	1.4.00

## FLUID QUALITY CARD TWO

1	17	20	25	32	35	41	47	53	60	64	70	75
STATION	SURVEY	CARD	TEMP. OF	FIELD SP.	FIELD	CHLORIDE	DISSOLVED	SPEC. COND.	STATIC WATER	W/L REF	FLOW RATE	PUMP RATE
I. D.	DATE	C	SAMPLE	F GRAVITY	PH	(MG/L)	SOLIDS	(U-MHO/CM)	LEVEL (FEET)	FROM	(GAL/MIN)	(GAL/MIN)
	W82	81.8°F						37.200				

*no such character on key punch machine*

## COMMENT CARDS

1	17	20	40	60	76
STATION	SURVEY	CARD	COMMENTS	COMMENTS	COMMENTS
I. D.	DATE	C	- LINE 1	- LINE 2	- LINE 3
	W91	WELL WILL BE USED	FOR R.O. PLANT BY	PINE ISLAND	

1	17	20	40	60	76
STATION	SURVEY	CARD	COMMENTS	COMMENTS	COMMENTS
I. D.	DATE	C	- LINE 4	- LINE 5	- LINE 6
	W92	WATER AUTHORITY	?		

*spelling*

NOTES: COLUMNS 1-16 ARE DUPLICATED IN EACH CARD.  
 COLUMN 16 IS AN ACTION CODE WITH THE FOLLOWING PERMISSABLE STATES - 1 (CREATE NEW RECORD),  
 2 (CHANGE ALL VALUES), OR 9 (DELETE OLD RECORD).  
 CARD TYPES <W93>, <W94>, .... <W99> MAY ALSO BE USED TO PROVIDE UP TO A TOTAL OF TWENTY-SEVEN COMMENT LINES.

JANE





WELL LOG

WELL LOCATION

County LEE  
 Station I. D. 071000009  
 Date 02-26-81 Well No. L-3004D  
 Latitude 026° 38' 20" Longitude 082° 02' 27"  
 SW 1/4 SW 1/4 SW 1/4 Section 17 Township 44S Range 22E  
 Owner PINE IS. WATER AUTH Phone \_\_\_\_\_  
 Driller TAMIAMI Date Drilled \_\_\_\_\_  
 WELL CONSTRUCTION  
 Drilling Method: Rot. Air CT Auger Other REVERSE AIR  
 T. Depth - Driller 778' T. Depth - Logger 778'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 450'  
 Bit Size \_\_\_\_\_ Casing Dia. I.D. 9.80"  
 Hole Dia. 10" From 0 To 450 Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing P.V.C. Casing Thickness 0.3"  
 Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use WATER SUPPLY  
 Static Water Level \_\_\_\_\_ Date 02-26-81  
 Yield Flow ≈ 500 GPM Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 3.2' L.S. T.O.C. X

FLUID QUALITY

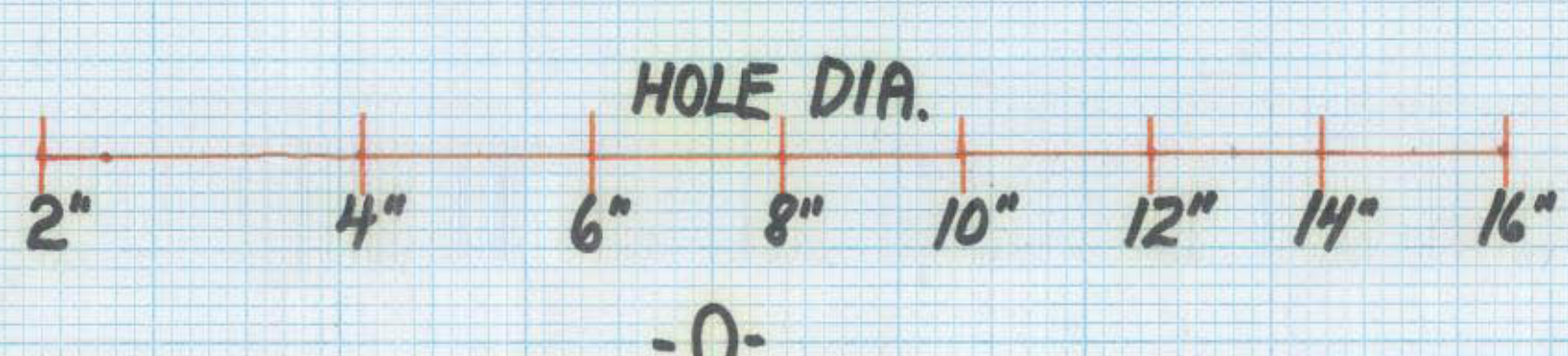
Date 02-26-81 Time 1400 Source of Sample WELL HEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
 Temp. 81.8°F °C \_\_\_\_\_ Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 3720 μmhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. PAUENHAUER  
 Comments: WELL WILL BE USED FOR R.O. PLANT BY PINE ISLAND WATER AUTHORITY

TYPE OF SURVEYS RUN

Lateral 6'  (X)  
 Caliper  (X) Density  ( )  
 Flow meter  ( ) ocl  ( )  
 16" 64" normals  ( ) Fluid Sampler  ( )  
 Neutron  (X) Temperature  ( )  
 Natural Gamma  (X) Delta Temp.  ( )  
 Fluid Resistivity  ( ) SP  ( )

L-3004D

CALIPER



CALIPER

L-3004D

GRAPHIC CORPORATION BUFFALO, NEW YORK  
 RECORDED IN CHARTERED GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK  
 6339





WELL LOG

WELL LOCATION

County LEE

Station I. D. 071000009

Date 02-26-81 Well No. L-3004D

Latitude 026°38'20" Longitude 082°02'27"

SW 1/4 SW 1/4 SW 1/4 Section 17 Township 44s Range 22E

Owner PINE IS. WATER AUTH. Phone \_\_\_\_\_

Driller TAMIAMI Date Drilled \_\_\_\_\_

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other REVERSE AIR

T. Depth - Driller 778' T. Depth - Logger 778'

Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 450'

Bit Size \_\_\_\_\_ Casing Dia. I.D. 9.80"

Hole Dia. 10" From 0 To 450 Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Type of Casing P.V.C. Casing Thickness 0.3"

Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_

Type of Packing \_\_\_\_\_ Well Use WATER SUPPLY

Static Water Level \_\_\_\_\_ Date 02-26-81

Yield Flow ≈ 500 GPM Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 3.2' L.S. T.O.C. X

FLUID QUALITY

Date 02-26-81 Time 1400 Source of Sample WELLHEAD

Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER

Temp. 81.8°F °C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C

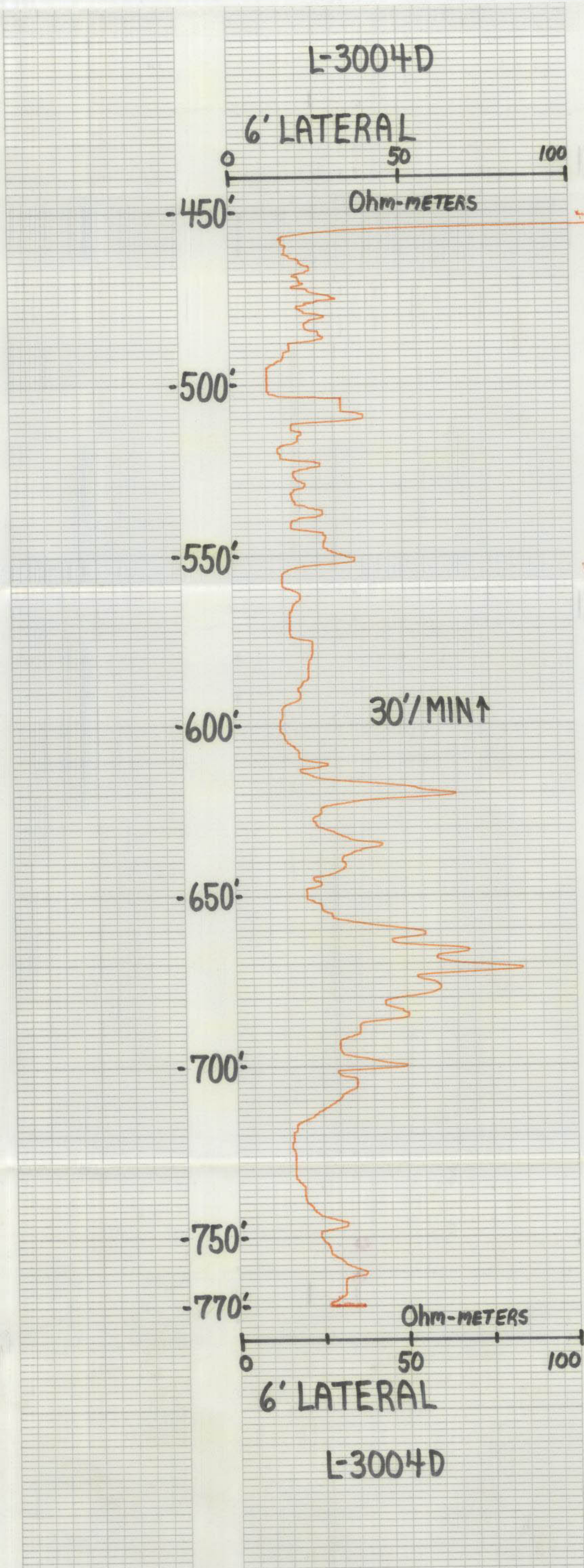
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 3720 umhos/cm

Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER

Comments: WELL WILL BE USED FOR RO. PLANT  
By PINE ISLAND WATER AUTHORITY

TYPE OF SURVEYS RUN

- |                   |                                     |               |     |
|-------------------|-------------------------------------|---------------|-----|
| Lateral 6'        | <input checked="" type="checkbox"/> | Density       | ( ) |
| Caliper           | <input checked="" type="checkbox"/> | ccf           | ( ) |
| Flow meter        | <input checked="" type="checkbox"/> | Fluid Sampler | ( ) |
| 16", 64" normals  | <input checked="" type="checkbox"/> | Temperature   | (X) |
| Neutron           | <input checked="" type="checkbox"/> | Delta Temp.   | (X) |
| Natural Gamma     | <input checked="" type="checkbox"/> | SP            | ( ) |
| Fluid Resistivity | <input checked="" type="checkbox"/> |               |     |







WELL LOG

WELL LOCATION

County LEE  
 Station I. D. 071000009  
 Date 02-26-81 Well No. L-3004D  
 Latitude 026°38'20" Longitude 082°02'27"  
 SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  Section 17 Township 44S Range 22E  
 Owner PINE IS. WATER AUTH. Phone \_\_\_\_\_  
 Driller TAMIAMI Date Drilled \_\_\_\_\_  
 WELL CONSTRUCTION  
 Drilling Method: Rot. Air CT Auger Other REVERSE AIR  
 T. Depth - Driller 778' T. Depth - Logger 778'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 450'  
 Bit Size \_\_\_\_\_ Casing Dia. I.D. 9.80"  
 Hole Dia. 10" From 0 To 450 Dia. From \_\_\_\_\_ To \_\_\_\_\_  
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 Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use WATER SUPPLY  
 Static Water Level \_\_\_\_\_ Date 02-26-81  
 Yield Flow ≈ 500 GPM Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 3.2' L.S. T.O.C. X

FLUID QUALITY

Date 02-26-81 Time 1400 Source of Sample WELLHEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
 Temp. 81.8°F  C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 3720  $\mu$ mhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAVENHAUER  
 Comments: WELL WILL BE USED FOR R.O. PLANT BY PINE ISLAND WATER AUTHORITY

TYPE OF SURVEYS RUN

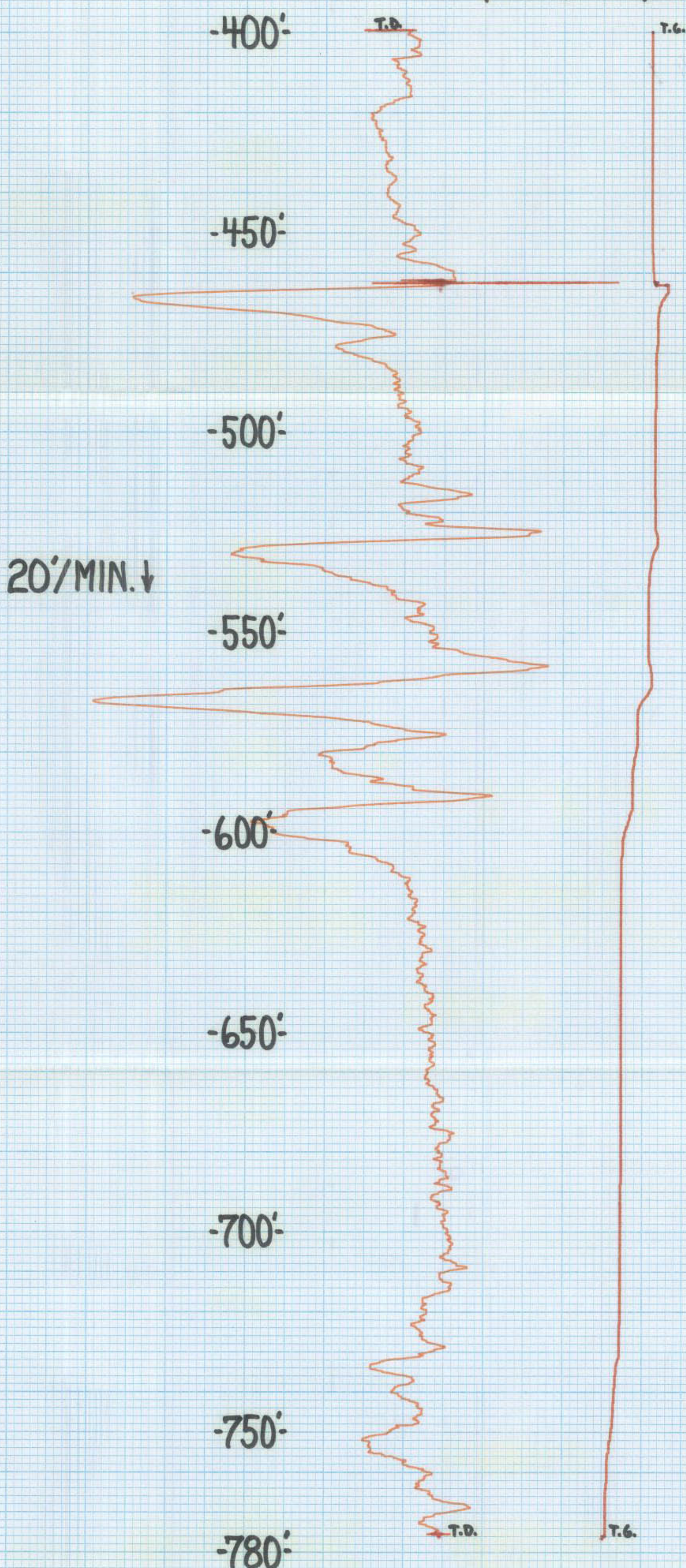
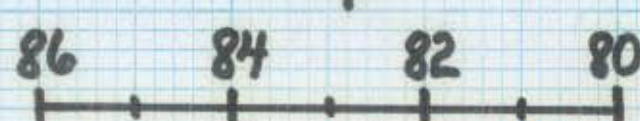
Lateral 6'	(X)	Density	( )
Caliper	(X)	ocl	( )
Flow meter	(X)	Fluid Sampler	( )
16", 64" normals	( )	Temperature	(X)
Neutron	(X)	Delta Temp.	(X)
Natural Gamma	(X)	SP	( )
Fluid Resistivity	( )		

L-3004D

TEMPERATURE DIFFERENTIAL

TEMPERATURE GRADIENT

°F



TEMPERATURE DIFFERENTIAL

TEMPERATURE GRADIENT

L-3004D





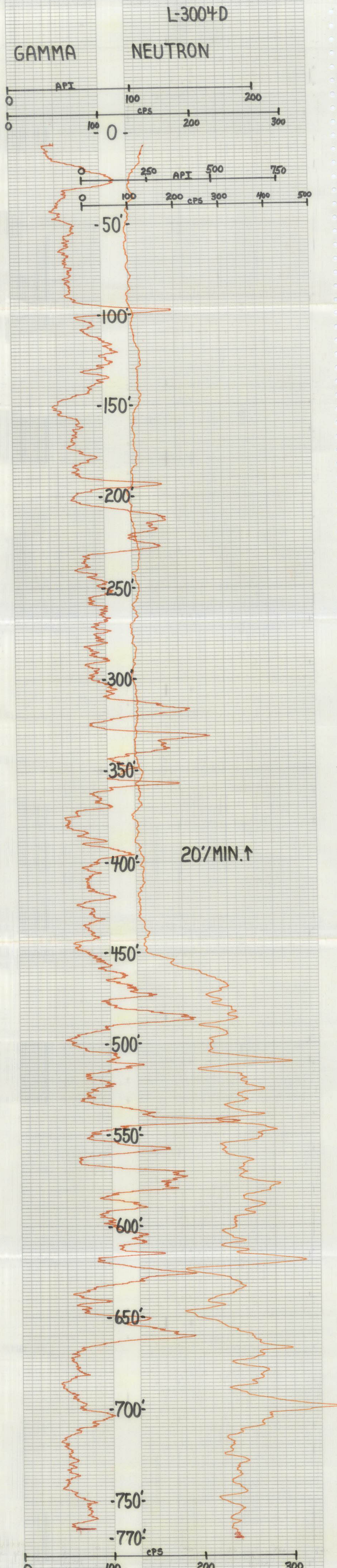
WELL LOG

**WELL LOCATION**  
 County LEE  
 Station I. D. 071000009  
 Date 02-26-81 Well No. L-3004D  
 Latitude 026° 38' 20" Longitude 082° 02' 27"  
 SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  SW  $\frac{1}{4}$  Section 17 Township 44S Range 22E  
 Owner PINE IS. WATER AUTH. Phone \_\_\_\_\_  
 Driller TAMIAI Date Drilled \_\_\_\_\_  
**WELL CONSTRUCTION**  
 Drilling Method: Rot. Air CT Auger Other REVERSE AIR  
 T. Depth - Driller 778' T. Depth - Logger 778'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 450'  
 Bit Size \_\_\_\_\_ Casing Dia. I.D. 9.80"  
 Hole Dia. 10" From 0 To 450 Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing P.V.C. Casing Thickness 0.3"  
 Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use WATER SUPPLY  
 Static Water Level \_\_\_\_\_ Date 02-26-81  
 Yield Flow ≈ 500 GPM Pump \_\_\_\_\_

**DATUM**  
 K.B. \_\_\_\_\_ L.S. 3.2' L.S. T.O.C. X  
**FLUID QUALITY**  
 Date 02-26-81 Time 1400 Source of Sample WELLHEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
 Temp. 81.9°F °C Field Density \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 3720 umhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. BARNHARTER  
 Comments: WELL WILL BE USED FOR R.O. PLANT  
BY PINE ISLAND WATER AUTHORITY

**TYPE OF SURVEYS RUN**

Lateral 6'	(X)	Density	( )
Caliper	(X)	cd	( )
Flow meter	(X)	Fluid Sampler	( )
16" 64" normals	( )	Temperature	(X)
Natural Gamma	(X)	Delta Temp.	(X)
Fluid Resistivity	( )	SP	( )



GAMMA 500 cps T.C.-2  
 NEUTRON 500 cps T.C.-3  
 L-3004D

GAMMA CAL. 500 cps T.C.-2  
 100 API

NEUTRON CAL. 1000 cps T.C.-3  
 1000 API

CPS 0 200 400 600 800 1000





WELL LOG

WELL LOCATION

County LEE  
Station I. D. 071000009  
Date 02-26-81 Well No. L-3004D  
Latitude 026°38'20" Longitude 082°02'27"  
SW 1/4 SW 1/4 SW 1/4 Section 17 Township 44S Range 22E  
Owner PINE IS. WATER AUTH. Phone \_\_\_\_\_  
Driller TAMIAMI Date Drilled \_\_\_\_\_

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other REVERSE AIR  
T. Depth - Driller 778' T. Depth - Logger 778'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 450'  
Bit Size \_\_\_\_\_ Casing Dia. I.D. 9.80"  
Hole Dia. 10" From 0 To 450 Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
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Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Packing \_\_\_\_\_ Well Use WATER SUPPLY  
Static Water Level \_\_\_\_\_ Date 02-26-81  
Yield Flow ≈ 500 GPM Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 3.2' L.S. T.O.C. X

FLUID QUALITY

Date 02-26-81 Time 1400 Source of Sample WELLHEAD  
Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
Temp. 81.8°F AC Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 3720 umhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAVENHAUER

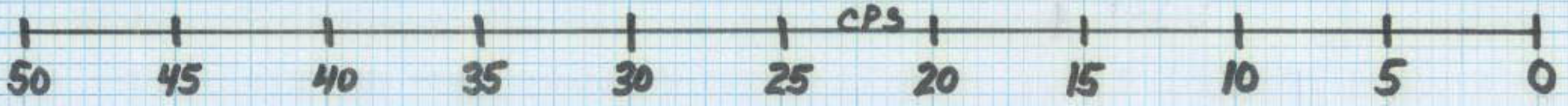
Comments: WELL WILL BE USED FOR R.D. PLANT BY PINE ISLAND WATER AUTHORITY

TYPE OF SURVEYS RUN

- |                   |     |               |     |
|-------------------|-----|---------------|-----|
| Lateral 6'        | (X) | Density       | ( ) |
| Caliper           | (X) | cci           | ( ) |
| Flow meter        | (X) | Fluid Sampler | ( ) |
| 16", 64" normals  | ( ) | Temperature   | (X) |
| Neutron           | (X) | Delta Temp.   | (X) |
| Natural Gamma     | (X) | SP            | ( ) |
| Fluid Resistivity | ( ) |               |     |

L-3004D

FLOWMETER



RERUN SECTION

-465-

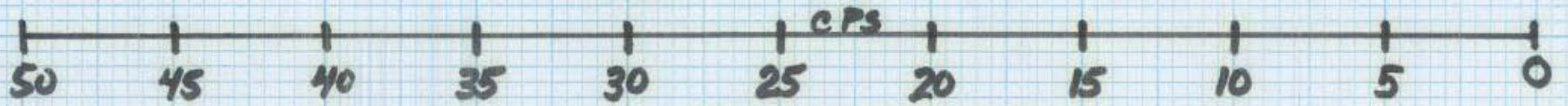
-500-

20'/MIN. ↑

-550-

PROBE HELD STATIONARY IN HOLE

-600-



FLOWMETER

L-3004D





WELL LOG

WELL LOCATION

County LEE  
Station I. D. 071000009  
Date 02-26-81 Well No. L-3004D  
Latitude 026°38'20" Longitude 082°02'27"  
SW 1/4 SW 1/4 SW 1/4 Section 17 Township 44S Range 22E  
Owner PINE IS. WATER AUTH. Phone \_\_\_\_\_  
Driller TAMIAMI Date Drilled \_\_\_\_\_

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other REVERSE AIR  
T. Depth - Driller 778' T. Depth - Logger 778'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 450'  
Bit Size \_\_\_\_\_ Casing Dia. I.D. 9.80"  
Hole Dia. 10" From 0 To 450 Dia. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing P.V.C. Casing Thickness 0.3"  
Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Packing \_\_\_\_\_ Well Use WATER SUPPLY  
Static Water Level \_\_\_\_\_ Date 02-26-81  
Yield Flow ≈ 500 GPM Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. 3.2' L.S. T.O.C. X

FLUID QUALITY

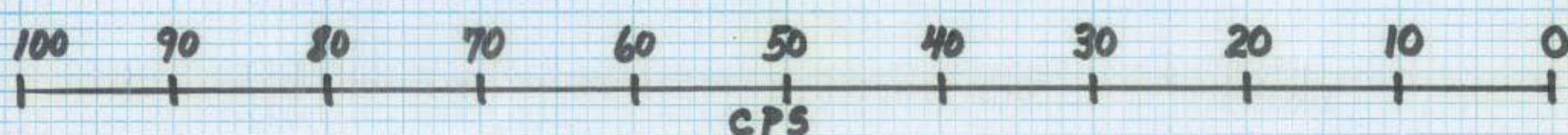
Date 02-26-81 Time 1400 Source of Sample WELLHEAD  
Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
Temp. 81.8°F °C Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 3720 umhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER  
Comments: WELL WILL BE USED FOR R.O. PLANT BY PINE ISLAND WATER AUTHORITY

TYPE OF SURVEYS RUN

Lateral 6'	(X)	Density	( )
Caliper	(X)	ocl	( )
Flow meter	(X)	Fluid Sampler	( )
16", 64" normals	( )	Temperature	(X)
Neutron	(X)	Delta Temp.	(X)
Natural Gamma	(X)	SP	(X)
Fluid Resistivity	( )		

L-3004D

FLOWMETER



-400'

-450'

-500'

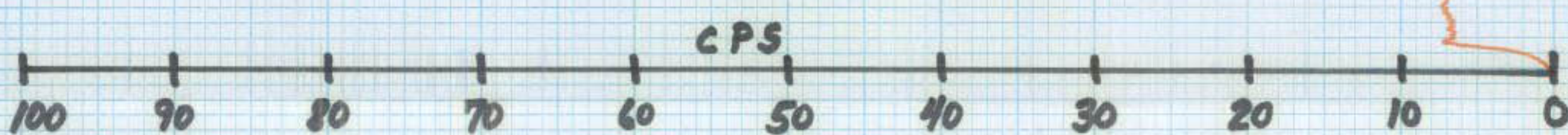
-550'

-600'

-650'

-700'

-750'



FLOWMETER

L-3004D

60'/MIN ↓

PROBE STATIONARY IN HOLE

6339

RECORDING CHART GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

MADE IN U.S.A.

6339

RECORDING CHART GRAPHIC CONTROLS CORPORATION