

# 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	A CARD C	WELL NO.	COUNTY	LAT DEG	LAT MIN	LAT SEC	LON DEG	LON MIN	LON SEC	
021000039	060480	W11C	-20240	COLLIER	026	09	100.0	081	25	39.00	

## WELL LOCATION CARD TWO

1	17	20	37	39	42	45	61
STATION I. D.	SURVEY DATE	A CARD C	QUARTERSECTIONS	SEC	TOWN-SHIP	RANGE	WATER MANAGEMENT DISTRICT PLANNING AREA
		W12	NE1/4; 1/4; 1/4	05	50S	29E	LOWER WEST COAST

## WELL DATUM CARD

1	17	20	26	32	38	44	59
STATION I. D.	SURVEY DATE	A CARD C	KELLY BUSH-ING (FEET)	LAND SUR-FACE (FT)	TOP OF CASING (FT)	OTHER (FT) (SEE NOTES)	DATUM (CHECK ONE)
		W21			00		MSL- ; LS-X; TOC-

## WELL OWNERSHIP CARD

1	17	20	37	54	57	64	80
STATION I. D.	SURVEY DATE	A CARD C	NAME OF OWNER	AREA CODE	TELEPHONE	WELL USE	
		W31	S. F. W. M. D.	305	686,880,0	MONITOR	

## WELL ORIGIN CARD

1	17	20	37	54	71	76
STATION I. D.	SURVEY DATE	A CARD C	DRILLER/ DRILLING COMPANY	OFFICE OF DRILLER (CITY)	DRILLING METHOD	DATE COMPLETED
		W41	S. F. W. M. D.	WPB	ROTARY	060480

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).

Jan

# 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.	
0210000039	060480	W51	300	300				9/16	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		OPEN HOLE					

## 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							

## 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							

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.

# WELL SURVEY REPORT

FORM RP-39  
Rev. 12/79

(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
021000039	060480	W71	S. ANDERSON	P. DAUENHAUER	X	XX						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
		P = SONIC TRAVEL TIME

## 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	DRILL MUD	060480	1300

## 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	860	F				10100				

## 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	1ST PART OF A	SERIES	

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

NOTES: COLUMNS 1-16 ARE DUPLICATED IN EACH CARD.  
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 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.

# 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	CARD C	WELL NO.	COUNTY	LAT DEG	LAT MIN	LAT SEC	LON DEG	LON MIN	LON SEC	
021000039	080680	W11C	2024D	COLLIER	026	09	1000	081	25	3900	

## WELL LOCATION CARD TWO

1	17	20	37	39	42	45	61
STATION I. D.	SURVEY DATE	CARD C	QUARTERSECTIONS	SEC	TOWN-SHIP	RANGE	WATER MANAGEMENT DISTRICT PLANNING AREA
		W12	NE1/4; 1/4; 1/4	05	50S	29E	LOWER WEST COAST

## WELL DATUM CARD

1	17	20	26	32	38	44	59
STATION I. D.	SURVEY DATE	CARD C	KELLY BUSH-ING (FEET)	LAND SUR-FACE (FT)	TOP OF CASING (FT)	OTHER (FT) (SEE NOTES)	DATUM (CHECK ONE)
		W21		00			MSL- ; LS- ; TOC-X

## WELL OWNERSHIP CARD

1	17	20	37	54	57	64	80
STATION I. D.	SURVEY DATE	CARD C	NAME OF OWNER	GROVE/PROPERTY NAME	AREA CODE	TELEPHONE	WELL USE
		W31	S. F. W. M. D.		305	6868800	MONITOR

## WELL ORIGIN CARD

1	17	20	37	54	71	76
STATION I. D.	SURVEY DATE	CARD C	DRILLER/ DRILLING COMPANY	OFFICE OF DRILLER (CITY)	DRILLING METHOD	DATE COMPLETED
		W41	S. F. W. M. D.	W. P. B.	ROTARY	080680

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

(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.	
021000039	080680	W51	900	898	264	264	5.80	5.2	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	0	P.V.C.	6.0	0	2.64	0.3	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							

## 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							

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*

# W E L L S U R V E Y R E P O R T

FORM RP-39  
Rev. 12/79  
(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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
I. D.	DATE	C			X	X	X	X	X								X	X						
021000039	080680	W71	S. ANDERSON	P. DAUENHAUER																				

\*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	DRILL MUD & WATER	080680	1600

## 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	82.40°F					6628			≈30.00	

## 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 BEGAN TO	FLOW AS WE LOGGED	DRILLING MUD

1	17	20	40	60	76
STATION	SURVEY	CARD	COMMENTS	COMMENTS	COMMENTS
I. D.	DATE	C	- LINE 4	- LINE 5	- LINE 6
		W92	SLOWLY BROKE DOWN	WITH TIME	

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 COLLIER  
Station I. D. 021000039  
Date 06-04-80 Well No. C-2024D  
Latitude 026°09'10" Longitude 081°25'39"  
NE 1/4 Section 05 Township 50S Range 29E  
Owner S.F.W.M.D. Phone 686-8800  
Driller S.F.W.M.D. Date Drilled 06-04-80

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other   
T. Depth - Driller 300' T. Depth - Logger 300'  
Casing Depth Driller            Casing Depth Logger             
Bit Size 9.6" Casing Dia. I.D.             
Hole Dia.            From            To            Dia.            From            To             
Type of Casing OPEN HOLE Casing Thickness             
Type of Screen OPEN HOLE Screen Int. From            To             
Type of Packing            Well Use MONITOR  
Static Water Level            Date             
Yield Flow            Pump           

DATUM

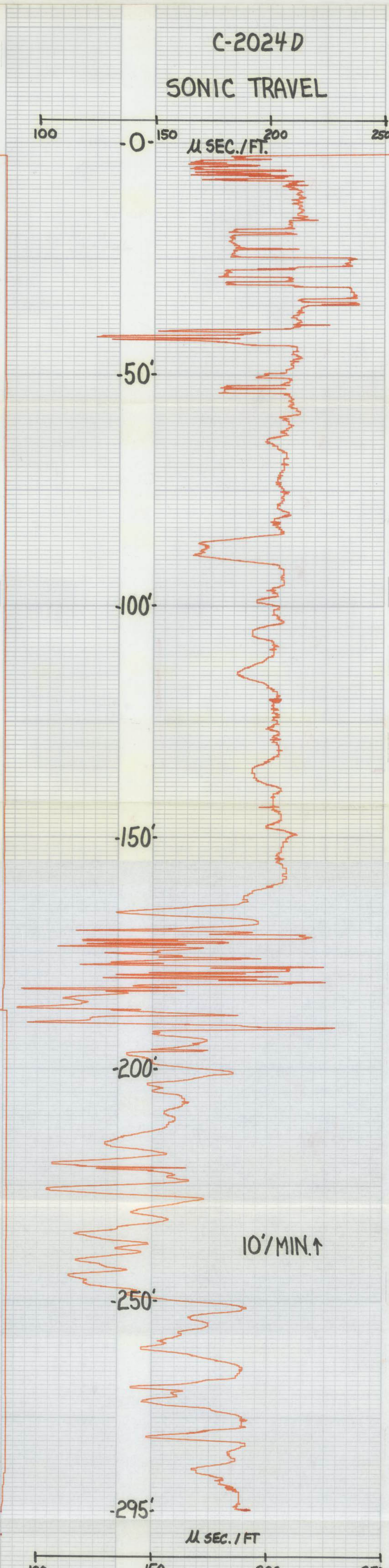
K.B.            L.S. 0.0-LS T.O.C.           

FLUID QUALITY

Date 06-04-80 Time 1300 Source of Sample WELLHEAD  
Cl            mg/l Type of Fluid DRILL MUD  
Temp. 86.0 F Field Density            @            °C  
T.D.S.            mg/l Spec. Cond. 1010.0 umhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAVENHAUER  
Comments: 1ST PART OF A SERIES

TYPE OF SURVEYS RUN

Lateral 6'  Density   
Caliper  ccl   
Flow meter  Fluid Sampler   
16", 64" normals  Temperature   
Neutron  Delta Temp.   
Natural Gamma  SP   
Fluid Resistivity  Sonic Travel Time



SONIC TRAVEL  
T.C.-0  
1' SPACING

C-2024D





WELL LOG

WELL LOCATION

County COLLIER  
Station I. D. 021000039  
Date 06-04-80 Well No. C-2024D  
Latitude 026°09'10" Longitude 081°25'39"  
NE 1/4 Section 05 Township 50S Range 29E  
Owner S.F.W.M.D. Phone 686-8800  
Driller S.F.W.M.D. Date Drilled 06-04-80

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other   
T. Depth - Driller 300' T. Depth - Logger 300'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger \_\_\_\_\_  
Bit Size 9.6" Casing Dia. I.D. \_\_\_\_\_  
Hole Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing OPEN HOLE Casing Thickness \_\_\_\_\_  
Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Packing \_\_\_\_\_ Well Use MONITOR  
Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

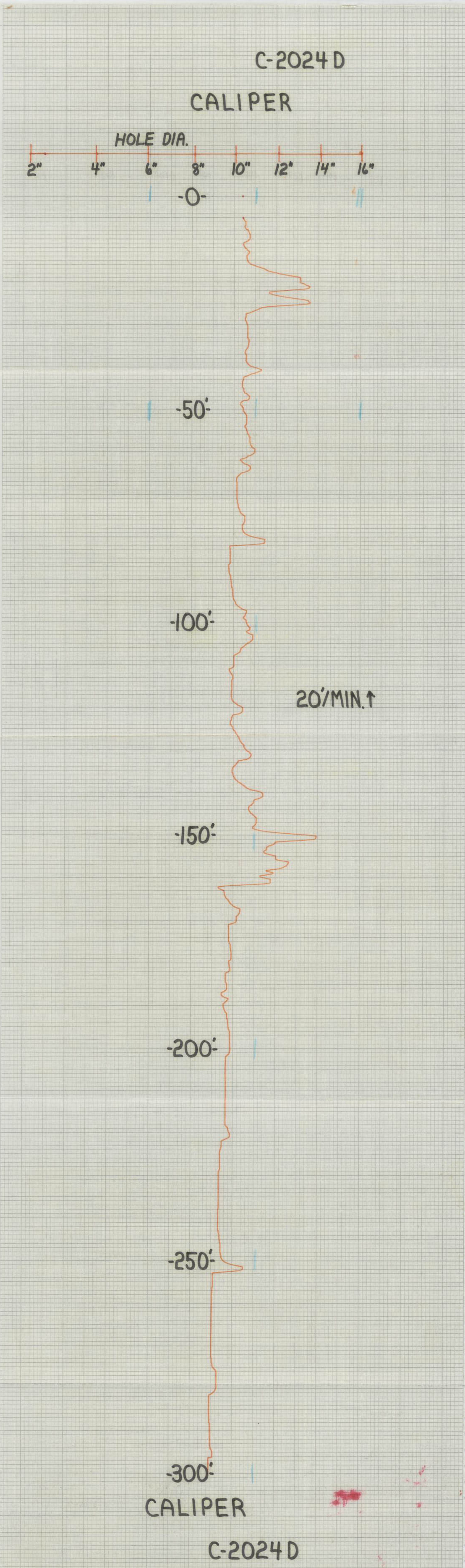
K.B. \_\_\_\_\_ L.S. 0.0.65 T.O.C. \_\_\_\_\_

FLUID QUALITY

Date 06-04-80 Time 1300 Source of Sample WELLHEAD  
Cl \_\_\_\_\_ mg/l Type of Fluid DRILL MUD  
Temp. 86.0 F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1010.0 umhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER  
Comments: 1ST PART OF A SERIES

TYPE OF SURVEYS RUN

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







WELL LOG

WELL LOCATION

County COLLIER  
 Station I. D. 021000039  
 Date 06-04-80 Well No. C-2024 D  
 Latitude 026°09'10" Longitude 081°25'39"  
 NE 1/4 1/4 Section 05 Township 50S Range 29E  
 Owner S.F.W.M.D. Phone 686-8800  
 Driller S.F.W.M.D. Date Drilled 06-04-80

DATUM

K.B. \_\_\_\_\_ L.S. 0.0.65 T.O.C. \_\_\_\_\_

FLUID QUALITY

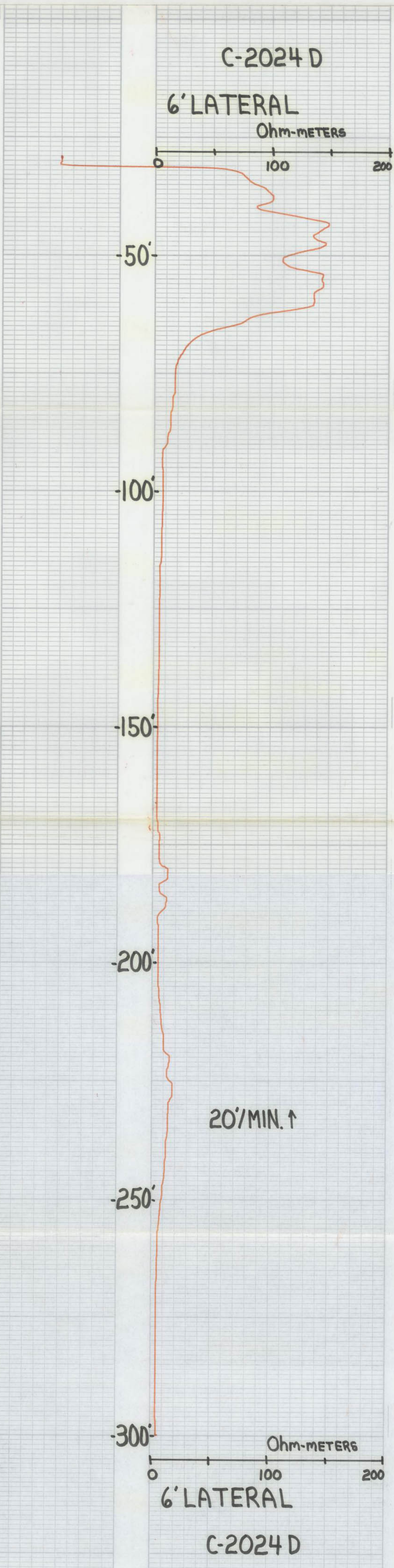
Date 06-04-80 Time 1300 Source of Sample WELLHEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid DRILL MUD  
 Temp. 86.0 F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1010.0 μmhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER  
 Comments: 1ST PART OF A SERIES

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 300' T. Depth - Logger 300'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger \_\_\_\_\_  
 Bit Size 9.6" Casing Dia. I.D. \_\_\_\_\_  
 Hole Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing OPEN HOLE Casing Thickness \_\_\_\_\_  
 Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use MONITOR  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

TYPE OF SURVEYS RUN

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







WELL LOG

WELL LOCATION

County COLLIER  
Station I. D. 021000039  
Date 08-06-80 Well No. C-2024D  
Latitude 026° 09' 10" Longitude 081° 25' 39"  
NE 1/4 1/4 Section 05 Township 50S Range 29E  
Owner S.F.W.M.D. Phone 686-8800  
Driller S.F.W.M.D. Date Drilled 08-06-80

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other   
T. Depth - Driller 900' T. Depth - Logger 898'  
Casing Depth Driller 264' Casing Depth Logger 264'  
Bit Size 5.2" Casing Dia. I.D. 5.80"  
Hole Dia. 6.0 From 0 To 264' Dia. From 0 To 264'  
Type of Casing P.V.C. Casing Thickness 0.3"  
Type of Screen OPEN HOLE Screen Int. From      To       
Type of Packing      Well Use MONITOR  
Static Water Level      Date       
Yield Flow ≈ 300 GPM. Pump     

DATUM

K.B.      L.S.      T.O.C. 0.0 L.S.

FLUID QUALITY

Date 08-06-80 Time 1600 Source of Sample WELL HEAD  
Cl      mg/l Type of Fluid DRILL MUD & WATER  
Temp. 82.4°F Field Density      @      °C  
T.D.S.      mg/l Spec. Cond. 662.8 μmhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER

Comments: WELL BEGAN TO FLOW AS WE LOGGED, DRILLING MUD SLOWLY BROKE DOWN WITH TIME

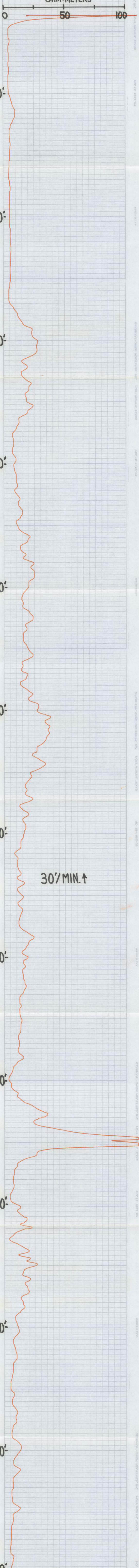
TYPE OF SURVEYS RUN

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

C-2024D

6' LATERAL

Ohm-METERS



C-2024D

6' LATERAL

Ohm-METERS





WELL LOG

WELL LOCATION

County COLLIER  
Station I. D. 021000039  
Date 06-04-80 Well No. C-2024D  
Latitude 026°09'10" Longitude 081°25'39"  
NE 1/4 1/4 Section 05 Township 50S Range 29E  
Owner S.F.W.M.D. Phone 686-8800  
Driller S.F.W.M.D. Date Drilled 06-04-80

DATUM

K.B. \_\_\_\_\_ L.S. 0.0.65 T.O.C. \_\_\_\_\_

FLUID QUALITY

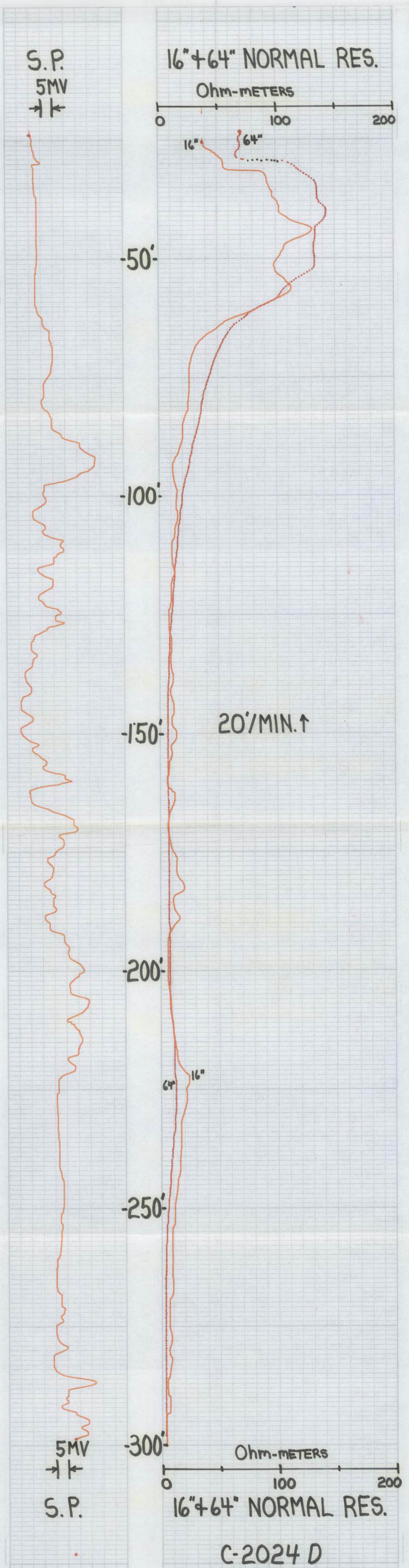
Date 06-04-80 Time 1300 Source of Sample WELLHEAD  
Cl \_\_\_\_\_ mg/l Type of Fluid DRILL MUD  
Temp. 86.0 F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1010.0 μmhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER  
Comments: 1ST PART OF A SERIES

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
T. Depth - Driller 300' T. Depth - Logger 300'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger \_\_\_\_\_  
Bit Size 9.6" Casing Dia. I.D. \_\_\_\_\_  
Hole Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_ Dia. \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing OPEN HOLE Casing Thickness \_\_\_\_\_  
Type of Screen OPEN HOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Packing \_\_\_\_\_ Well Use MONITOR  
Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

TYPE OF SURVEYS RUN

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







WELL LOG

WELL LOCATION

County COLLIER  
 Station I. D. 021000039 Well No. C-2024D  
 Date 08-06-80 Well No. C-2024D  
 Latitude 026° 09' 10" Longitude 081° 25' 39"  
 NE  $\frac{1}{4}$  Section 05 Township 50S Range 29E  
 Owner S.F.W.M.D. Phone 686-8800  
 Driller S.F.W.M.D. Date Drilled 08-06-80

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 0.0 L.S.

FLUID QUALITY

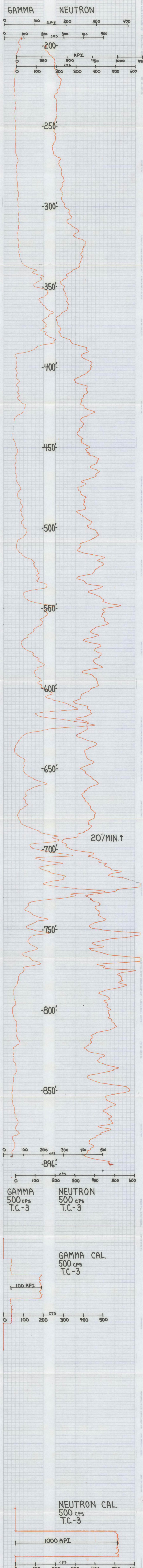
Date 08-06-80 Time 1600 Source of Sample WELL HEAD  
 Cl. \_\_\_\_\_ mg/l Type of Fluid DRAWN MUD & WATER  
 Temp. 82.4°F Field Density @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 662.8  $\mu$ mhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DOVENHAUER

WELL CONSTRUCTION

Drilling Method: Rot  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 900' T. Depth - Logger 898'  
 Casing Depth Driller 264' Casing Depth Logger 264'  
 Bit Size 5.2" Casing Dia. I.D. 5.80"  
 Hole Dia. 6.0 From 0 To 264 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 MONITOR  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow 300 GPM Pump \_\_\_\_\_

TYPE OF SURVEYS RUN

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







WELL LOG

WELL LOCATION

County COLLIER  
 Station I. D. 021000039  
 Date 08-06-80 Well No. C-2024D  
 Latitude 026° 09' 10" Longitude 081° 25' 39"  
 NE 1/4 Section 05 Township 50S Range 29E  
 Owner S.F.W.M.D. Phone 686-8800  
 Driller S.F.W.M.D. Date Drilled 08-06-80

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 0.0 L.S. \_\_\_\_\_

FLUID QUALITY

Date 08-06-80 Time 1600 Source of Sample WELL HEAD  
 CI \_\_\_\_\_ mg/l Type of Fluid DRILL MUD & WATER  
 Temp. 82.4°F Field Density \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 662.8 μmhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAVENHAUER

WELL CONSTRUCTION

Drilling Method: Rot  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 900' T. Depth - Logger 898'  
 Casing Depth Driller 264' Casing Depth Logger 264'  
 Bit Size 5.2" Casing Dia. I.D. 5.80"  
 Hole Dia. 6.0" From 0 To 264' 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 MONITOR  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow ≈ 300 GPM. Pump \_\_\_\_\_

COMMENTS

WELL BEGAN TO FLOW AS WE

LOGGED, DRILLING MUD SLOWLY BROKE

DOWN WITH TIME

TYPE OF SURVEYS RUN

Lateral 6'   
 Caliper  Density   
 Flow meter  Fluid Sampler   
 18" 24" normals  Temperature   
 Neutron  Delta Temp.   
 Natural Gamma  SP   
 Fluid Resistivity

CALIPER

C-2024D

HOLE DIA.

2" 4" 6" 8" 10" 12" 0-

-50'

-100'

-150'

-200'

-250'

-300'

-350'

-400'

-450'

-500'

-550'

30'/MIN. ↑

-600'

-650'

-700'

-750'

-800'

-850'

-890'

CALIPER

C-2024D





WELL LOG

WELL LOCATION

County COLLIER  
 Station I. D. 021000039  
 Date 08-06-80 Well No. C-2024D  
 Latitude 026° 09' 10" Longitude 081° 25' 39"  
 NE  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  Section 05 Township 50S Range 29E  
 Owner S.F.W.M.D. Phone 686-8800  
 Driller S.F.W.M.D. Date Drilled 08-06-80

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other   
 T. Depth - Driller 900' T. Depth - Logger 898'  
 Casing Depth Driller 264' Casing Depth Logger 264'  
 Bit Size 5.2" Casing Dia. I.D. 5.80"  
 Hole Dia. 6.0 From 0 To 264 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 MONITOR  
 Static Water Level      Date       
 Yield Flow ≈ 300 GPM Pump     

DATUM

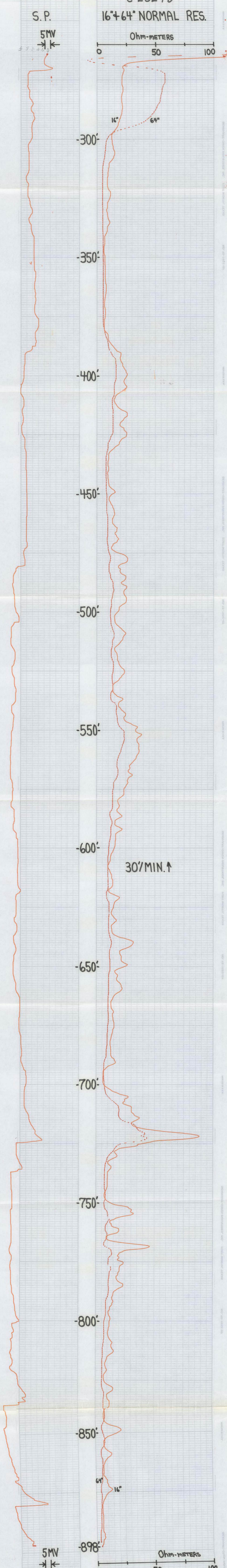
K.B.      L.S.      T.O.C. 0.0 L.S.

FLUID QUALITY

Date 08-06-80 Time 1400 Source of Sample WELL HEAD  
 Cl      mg/l Type of Fluid DRILL MUD & WATER  
 Temp. 82.40 F Field Density      @      °C  
 T.D.S.      mg/l Spec. Cond. 662.8  $\mu$ mhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER  
 Comments: WELL BEGAN TO FLOW AS WE LOGGED, DRILLING MUD SLOWLY BROKE DOWN WITH TIME

TYPE OF SURVEYS RUN

Lateral 6" Caliper	<input checked="" type="checkbox"/>	Density	<input type="checkbox"/>
Flow meter	<input type="checkbox"/>	cci	<input type="checkbox"/>
16", 64" normals	<input checked="" type="checkbox"/>	Fluid Sampler	<input type="checkbox"/>
Neutron	<input type="checkbox"/>	Temperature	<input type="checkbox"/>
Natural Gamma	<input checked="" type="checkbox"/>	Delta Temp.	<input type="checkbox"/>
Fluid Resistivity	<input checked="" type="checkbox"/>	SP	<input checked="" type="checkbox"/>







WELL LOG

WELL LOCATION

County COLLIER  
 Station I. D. 021000039  
 Date 10-16-80 Well No. C-2024D  
 Latitude 026° 09' 10" Longitude 081° 25' 39"  
 NE  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  Section 05 Township 50S Range 28E  
 Owner S.F.W.M.D. Phone 305-616-8800  
 Driller S.F.W.M.D. Date Drilled 08-06-80

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 0.0 15.

FLUID QUALITY

Date 10-16-80 Time 1400 Source of Sample WELLHEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
 Temp. 82.6°F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 6024 umhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DRENNHAUER

WELL CONSTRUCTION

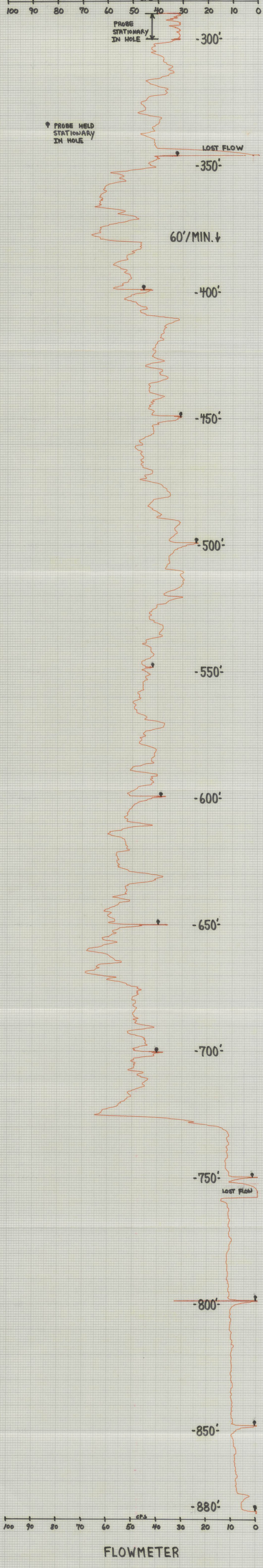
Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 900' T. Depth - Logger 898'  
 Casing Depth Driller 264' Casing Depth Logger 264'  
 Bit Size 5.2" Casing Dia. I.D. 5.80"  
 Hole Dia. 6.0 From 0 To 264' Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing P.V.C. Casing Thickness 0.3"  
 Type of Screen OPEN MESH Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use MONITOR  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

Comments:

TYPE OF SURVEYS RUN

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

C-2024D  
FLOWMETER







WELL LOG

WELL LOCATION

County COLLIER  
Station I. D. 021000039  
Date 10-16-80 Well No. C-2024D  
Latitude 026° 09' 10" Longitude 081° 25' 39"  
NE  $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  Section 05 Township 50S Range 29E  
Owner S.F.W.M.D. Phone 305-666-6800  
Driller S.F.W.M.D. Date Drilled 08-06-80

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 0.015

FLUID QUALITY

Date 10-16-80 Time 1400 Source of Sample WELLHEAD  
Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
Temp. 82.6°F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 6024  $\mu$ mhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAUENHAUER  
Comments: \_\_\_\_\_

WELL CONSTRUCTION

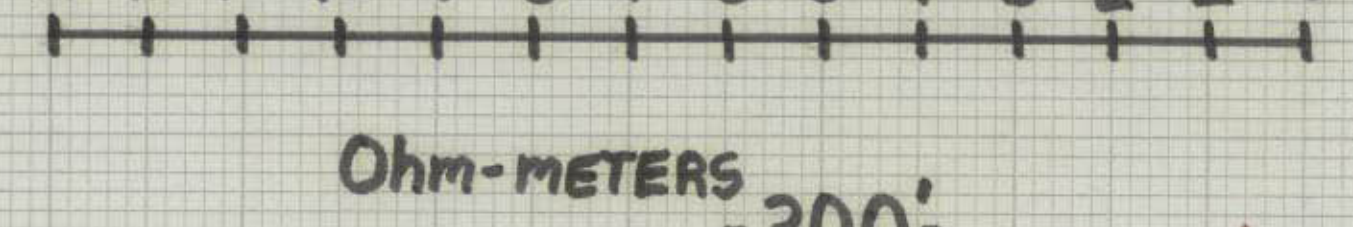
Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
T. Depth - Driller 900' T. Depth - Logger 898'  
Casing Depth Driller 264' Casing Depth Logger 264'  
Bit Size 5.2" Casing Dia. I.D. 5.80"  
Hole Dia. 6.0" From 0 To 264' Dia. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing P.V.C. Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Packing \_\_\_\_\_ Well Use MONITOR  
Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

TYPE OF SURVEYS RUN

Lateral 0' ( ) Density ( )  
Caliper ( ) ccl ( )  
Flow meter (X) Fluid Sampler ( )  
16", 64" normals ( ) Temperature (X)  
Neutron ( ) Delta Temp. ( )  
Natural Gamma ( ) SP ( )  
Fluid Resistivity (X)

C-2024D

FLUID RESISTIVITY



Ohm-METERS -300'

-350'

20'/MIN. ↓

-400'

-450'

-500'

-550'

-600'

-650'

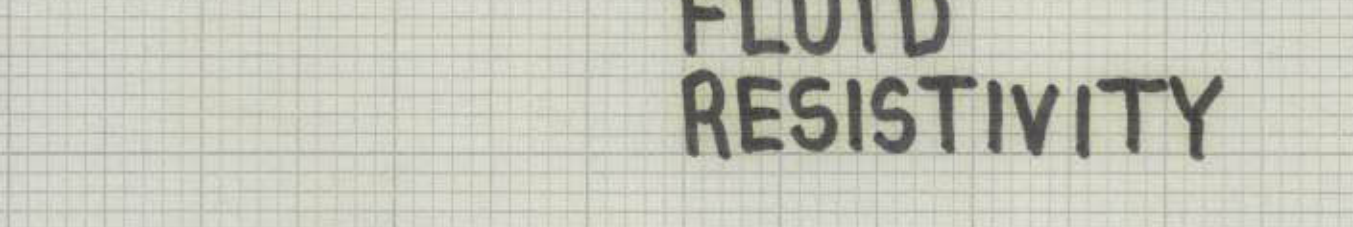
-700'

-750'

-800'

-850'

Ohm-METERS -895'



FLUID RESISTIVITY

C-2024D





WELL LOG

WELL LOCATION

County COLLIER  
 Station I. D. 021000039  
 Date 10-16-80 Well No. C-2024D  
 Latitude 026° 09' 10" Longitude 081° 25' 39"  
 NE ¼ ¼ ¼ Section 05 Township 50S Range 29E  
 Owner S.F.W.M.D. Phone 305-616-8800  
 Driller S.F.W.M.D. Date Drilled 08-06-80

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 0.0 15.

FLUID QUALITY

Date 10-16-80 Time 1400 Source of Sample WELLHEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORMATION WATER  
 Temp. 82.6°F % Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 6024 µmhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAENHAEVER

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 900' T. Depth - Logger 898'  
 Casing Depth Driller 264' Casing Depth Logger 264'  
 Bit Size 5.2" Casing Dia. I.D. 5.80"  
 Hole Dia. 6.0 From 0 To 264 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 MONITOR  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

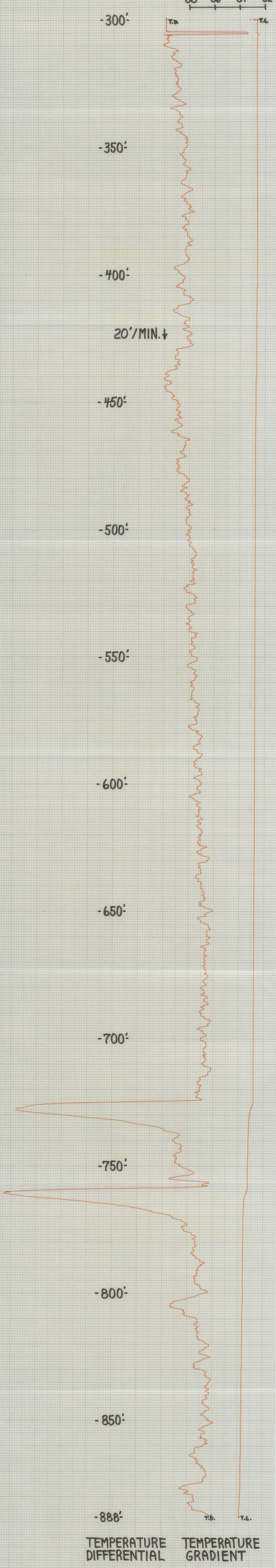
TYPE OF SURVEYS RUN

Lateral 6'	( )	Density	( )
Caliper	( )	ocl	( )
Flow meter	( )	Fluid Sampler	( )
16", 64" normals	( )	Temperature	( )
Neutron	( )	Delta Temp.	( )
Natural Gamma	( )	SP	( )
Fluid Resistivity	<u>9L</u>		

C-2024D

TEMPERATURE DIFFERENTIAL TEMPERATURE GRADIENT

88 86 84 82  
 °F



TEMPERATURE DIFFERENTIAL TEMPERATURE GRADIENT

C-2024D