

# 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	ACTION CODE	WELL NO.	COUNTY	LAT DEG	LAT MIN	LAT SEC	LON DEG	LON MIN	LON SEC	
085000056	111881	W11	MF-33	MARTIN	027	07	42.00	080	35	28.00	

## WELL LOCATION CARD TWO

1	17	20	37	39	42	45	61
STATION I. D.	SURVEY DATE	ACTION CODE	QUARTERSECTIONS	SEC	TOWN-SHIP	RANGE	WATER MANAGEMENT DISTRICT PLANNING AREA
		W12	1/4; 1/4; 1/4	36	39S	37E	UPPER EAST COAST

## WELL DATUM CARD

1	17	20	26	32	38	44	59
STATION I. D.	SURVEY DATE	ACTION CODE	KELLY BUSH-ING (FEET)	LAND SUR-FACE (FT)	TOP OF CASING (FT)	OTHER (FT) (SEE NOTES)	DATUM (CHECK ONE)
		W21		10			MSL- ; LS- ; TOC-X

## WELL OWNERSHIP CARD

1	17	20	37	54	57	64	80
STATION I. D.	SURVEY DATE	ACTION CODE	NAME OF OWNER	AREA CODE	TELEPHONE	WELL USE	
		W31		GABBAE PALM			

## WELL ORIGIN CARD

1	17	20	37	54	71	76
STATION I. D.	SURVEY DATE	ACTION CODE	DRILLER/ DRILLING COMPANY	OFFICE OF DRILLER (CITY)	DRILLING METHOD	DATE COMPLETED
		W41	MCCOLLERS	VERO BEACH	ROTARY	

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).

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# 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.	
085000056	11.18.81	W5.1	1200	1200		420	7.8		YES- ; 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)
		W5.2	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
		W6.1	10	STEEL	8.0	0	420	0.8	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
		W6.2	02						

## 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
		W6.3	03						

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. 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						A B C D E F G H I J K L M N O P Q R S T						
085000056		1/1/81		W71 S. ANDERSON		P. DAUENHAUER		X X X X X X X X X 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	
I. D.		DATE		(WELLHEAD, ETC.)		FLUID	
		W81		WELLHEAD		FORMATION WATER	
						1/1/81 1400	

## FLUID QUALITY CARD TWO

1	17	20	25	32	35	41	47	53	60	64	70	75	
STATION		SURVEY CARD		TEMP. OF SAMPLE		FIELD SP. GRAVITY		FIELD CHLORIDE (MG/L)		DISSOLVED SOLIDS		SPEC. COND. (U-MHO/CM)	
I. D.		DATE		F		PH				STATIC WATER LEVEL (FEET)		W/L REF FROM	
		W82		824 °F						1470			

## COMMENT CARDS

1	17	20	40	60	76
STATION		SURVEY CARD		COMMENTS	
I. D.		DATE		- LINE 1	
		W91			

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

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.

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WELL LOG

WELL LOCATION

County MARTIN  
 Station I. D. 085000056  
 Date 11-18-81 Well No. MF-33  
 Latitude 027° 07' 42" Longitude 080° 35' 28"  
 Section 36 Township 39S Range 37E  
 Owner CABBAGE PALM Phone 597-3689  
 Driller McCullen's Date Drilled \_\_\_\_\_

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 1200' T. Depth - Logger 1200'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 420'  
 Bit Size \_\_\_\_\_ Casing Dia. I.D. \_\_\_\_\_  
 Hole Dia. 8" From \_\_\_\_\_ To \_\_\_\_\_ Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing STEEL Casing Thickness 0.3"  
 Type of Screen OPENHOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use \_\_\_\_\_  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 1.0 L.S.

FLUID QUALITY

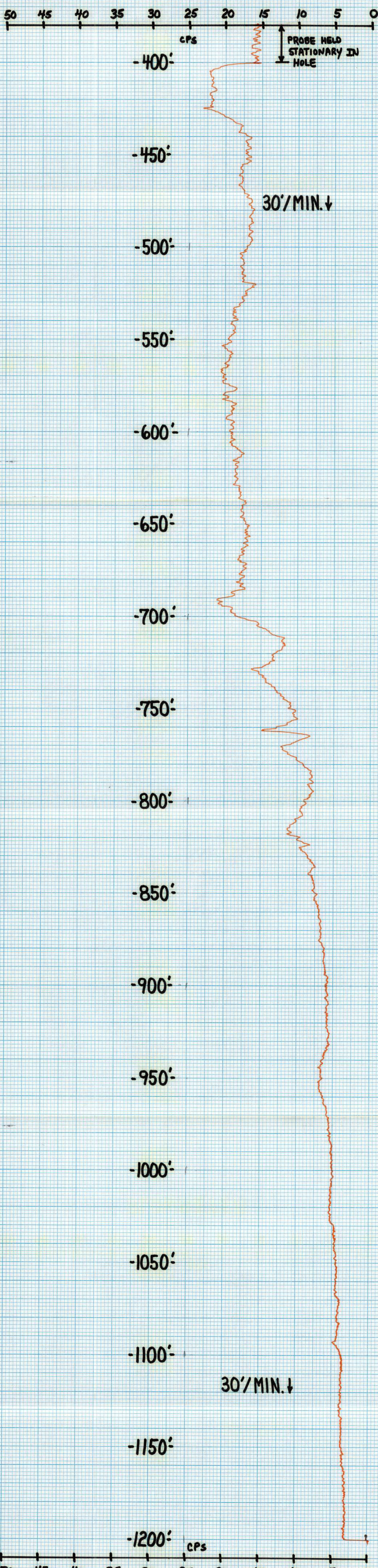
Date 11-18-81 Time 1400 Source of Sample WELL HEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORM. WATER  
 Temp. 82.4°F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1,470 umhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAMENHAWER  
 Comments: \_\_\_\_\_

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 \_\_\_\_\_

MF-33

FLOWMETER



FLOWMETER



WELL LOG

WELL LOCATION

County MARTIN  
Station I. D. 085000056  
Date 11-18-81 Well No. MF-33  
Latitude 027° 07' 42" Longitude 080° 35' 28"  
Section 36 Township 39S Range 37E  
Owner CABAGE PALM Phone 597-3689  
Driller McCuller's Date Drilled \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 1.0 I.S.

FLUID QUALITY

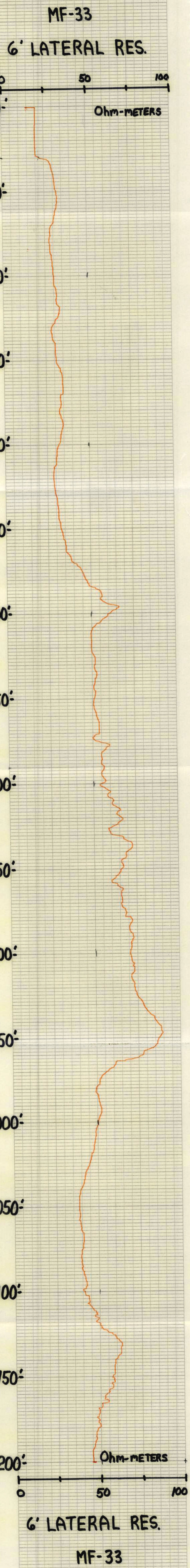
Date 11-11-81 Time 1400 Source of Sample WELL HEAD  
CI \_\_\_\_\_ mg/l Type of Fluid FORM. WATER  
Temp. 82.4 ° F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1,470 μmhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAWENHAUER

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
T. Depth - Driller 1200' T. Depth - Logger 1200'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 420'  
Bit Size \_\_\_\_\_ Casing Dia. I.D. \_\_\_\_\_  
Hole Dia. 8" From \_\_\_\_\_ To \_\_\_\_\_ Dia. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing STEEL Casing Thickness 0.3"  
Type of Screen OPENHOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Packing \_\_\_\_\_ Well Use \_\_\_\_\_  
Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

TYPE OF SURVEYS RUN

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



6' LATERAL  
MF-33  
11/20/81



WELL LOG

WELL LOCATION

County MARTIN  
 Station I. D. 085000056  
 Date 11-18-81 Well No. MF-33  
 Latitude 027° 07' 42" Longitude 080° 35' 28"  
 Section 36 Township 39S Range 37E  
 Owner CARRAGE PALM Phone 597-3689  
 Driller McCuller's Date Drilled \_\_\_\_\_  
 Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 1200' T. Depth - Logger 1200'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 420'  
 Bit Size \_\_\_\_\_ Casing Dia. I.D. \_\_\_\_\_  
 Hole Dia. 8" From \_\_\_\_\_ To \_\_\_\_\_ Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing STEEL Casing Thickness 0.3"  
 Type of Screen OPENHOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use \_\_\_\_\_  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

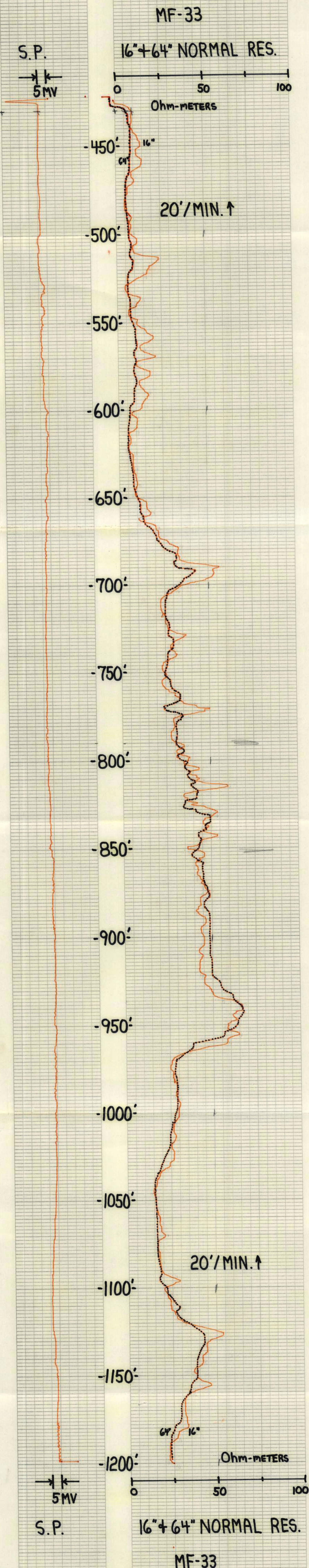
K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 1.0 C.S.

FLUID QUALITY

Date 11-11-81 Time 1400 Source of Sample WELL HEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORM. WATER  
 Temp. 82.4 °F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1,470 umhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAWENHAUER  
 Comments: \_\_\_\_\_

TYPE OF SURVEYS RUN

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



MF-33  
20'/min. ↑

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WELL LOG

WELL LOCATION

County MARTIN  
 Station I. D. 085000056  
 Date 11-18-81 Well No. MF-33  
 Latitude 027° 07' 42" Longitude 080° 35' 28"  
 Section 36 Township 39S Range 37E  
 Owner CABERGE PALM Phone 597-3689  
 Driller McCullen's Date Drilled \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. X 40 L.S.

FLUID QUALITY

Date 11-11-81 Time 1400 Source of Sample WELL HEAD  
 CI \_\_\_\_\_ mg/l Type of Fluid FORM. WATER  
 Temp. 82.4 ° F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1,470 μmhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAWENHAWER  
 Comments: \_\_\_\_\_

WELL CONSTRUCTION

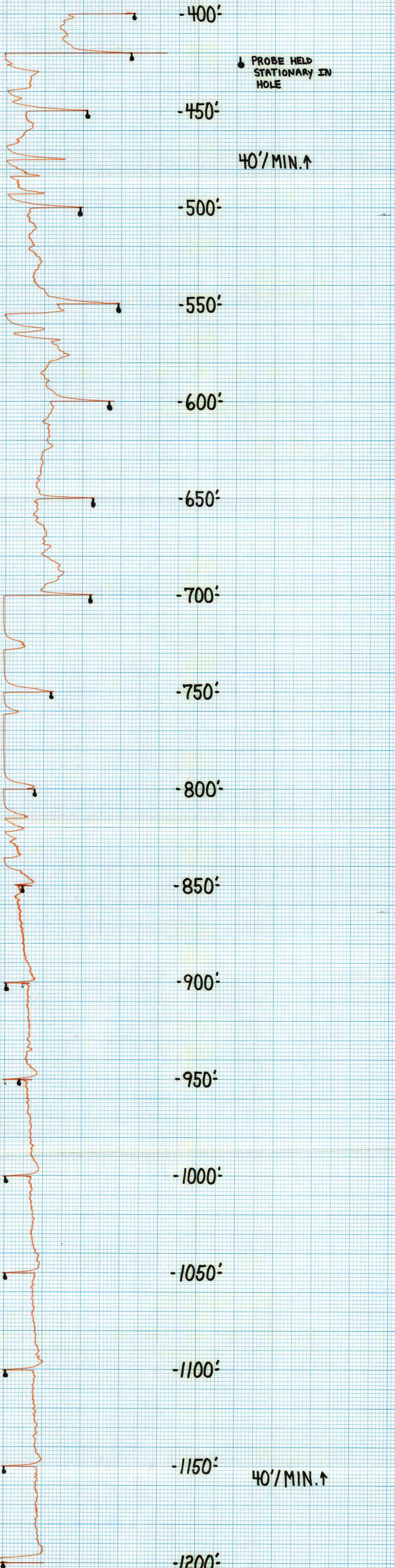
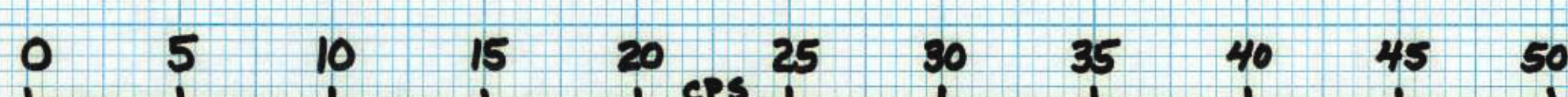
Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 1200' T. Depth - Logger 1200'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 420'  
 Bit Size \_\_\_\_\_ Casing Dia. I.D. \_\_\_\_\_  
 Hole Dia. 8" From \_\_\_\_\_ To \_\_\_\_\_ Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing STEEL Casing Thickness 0.3"  
 Type of Screen OPENHOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use \_\_\_\_\_  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

TYPE OF SURVEYS RUN

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

MF-33

FLOWMETER



FLOWMETER

MF-33

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 PRINTED IN U.S.A.



WELL LOG

WELL LOCATION

County MARTIN  
Station I. D. 085000056  
Date 11-18-81 Well No. MF-33  
Latitude 027° 07' 42" Longitude 080° 35' 28"  
Section 36 Township 39S Range 37E  
Owner ABBAGE PALM Phone 597-3689  
Driller McCullen's Date Drilled \_\_\_\_\_

WELL CONSTRUCTION

Drilling Method: Rot  Air  CT  Auger  Other \_\_\_\_\_  
T. Depth - Driller 1200' T. Depth - Logger 1200'  
Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 420'  
Bit Size \_\_\_\_\_ Casing Dia. I.D. \_\_\_\_\_  
Hole Dia. 8" From \_\_\_\_\_ To \_\_\_\_\_ Dia. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Casing STEEL Casing Thickness 0.3"  
Type of Screen OPENHOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
Type of Packing \_\_\_\_\_ Well Use \_\_\_\_\_  
Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 1.0 LS

FLUID QUALITY

Date 11-11-81 Time 1400 Source of Sample Well Head  
Cl \_\_\_\_\_ mg/l Type of Fluid FORM. WATER  
Temp. 82.4 °F Field Density @ \_\_\_\_\_ °C  
T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1470 umhos/cm  
Logged By: S. ANDERSON Witnessed By: P. DAMENHAUER  
Comments: \_\_\_\_\_

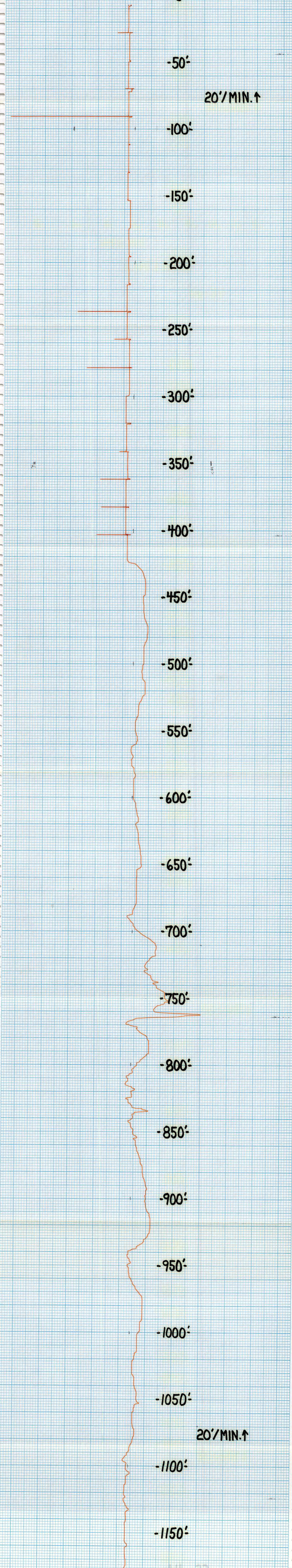
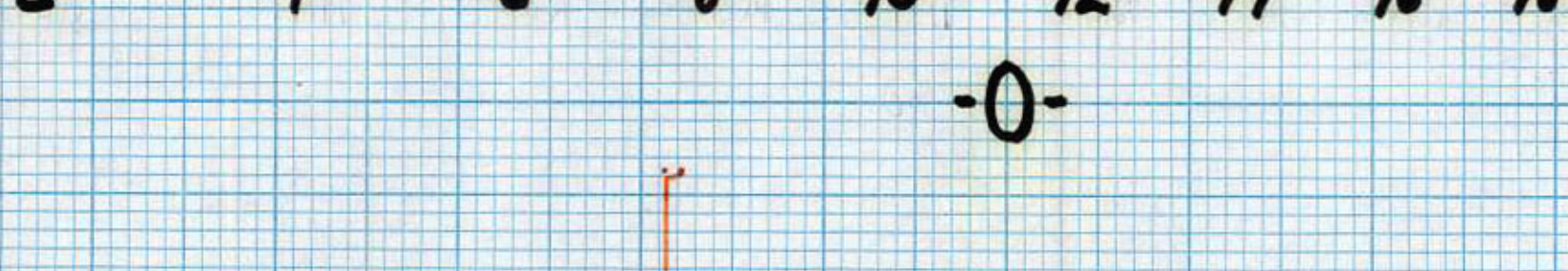
TYPE OF SURVEYS RUN

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

MF-33

CALIPER

HOLE DIA.



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WELL LOG

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WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
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 Hole Dia. 8" From \_\_\_\_\_ To \_\_\_\_\_ Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing STEEL Casing Thickness 0.3"  
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 Type of Packing \_\_\_\_\_ Well Use \_\_\_\_\_  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 1.0. L.S.

FLUID QUALITY

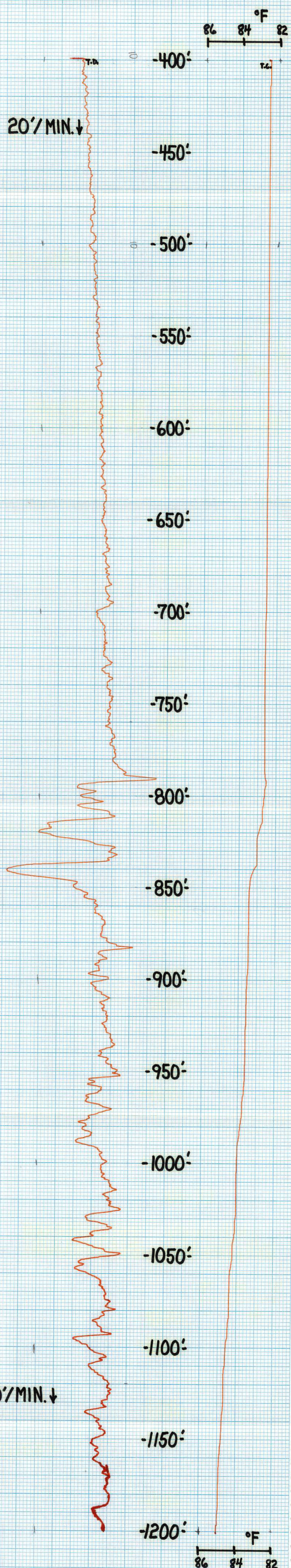
Date 11-11-81 Time 1400 Source of Sample WELL HEAD  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORM. WATER  
 Temp. 82.4 °F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1,470 μmhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAWENHAUER

Comments:

TYPE OF SURVEYS RUN

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

**MF-33**  
**TEMPERATURE DIFFERENTIAL**      **TEMPERATURE GRADIENT**



**TEMPERATURE DIFFERENTIAL**      **TEMPERATURE GRADIENT**  
**MF-33**

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WELL LOG

WELL LOCATION

County MARTIN  
 Station I. D. 085000056  
 Date 11-18-81 Well No. MF-33  
 Latitude 027° 07' 42" Longitude 080° 35' 28"  
 Section 36 Township 39S Range 37E  
 Owner CABRIALE PALM Phone 597-3689  
 Driller McCuller's Date Drilled \_\_\_\_\_

DATUM

K.B. \_\_\_\_\_ L.S. \_\_\_\_\_ T.O.C. 1.0 L.S.

FLUID QUALITY

Date 11-11-81 Time 1400 Source of Sample Well Head  
 Cl \_\_\_\_\_ mg/l Type of Fluid FORM. WATER  
 Temp. 82.4 °F Field Density \_\_\_\_\_ @ \_\_\_\_\_ °C  
 T.D.S. \_\_\_\_\_ mg/l Spec. Cond. 1,470 umhos/cm  
 Logged By: S. ANDERSON Witnessed By: P. DAWENHAUER

WELL CONSTRUCTION

Drilling Method: Rot.  Air  CT  Auger  Other \_\_\_\_\_  
 T. Depth - Driller 1200' T. Depth - Logger 1200'  
 Casing Depth Driller \_\_\_\_\_ Casing Depth Logger 420'  
 Bit Size \_\_\_\_\_ Casing Dia. I.D. \_\_\_\_\_  
 Hole Dia. 8" From \_\_\_\_\_ To \_\_\_\_\_ Dia. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Casing STEEL Casing Thickness 0.3"  
 Type of Screen OPENHOLE Screen Int. From \_\_\_\_\_ To \_\_\_\_\_  
 Type of Packing \_\_\_\_\_ Well Use \_\_\_\_\_  
 Static Water Level \_\_\_\_\_ Date \_\_\_\_\_  
 Yield Flow \_\_\_\_\_ Pump \_\_\_\_\_

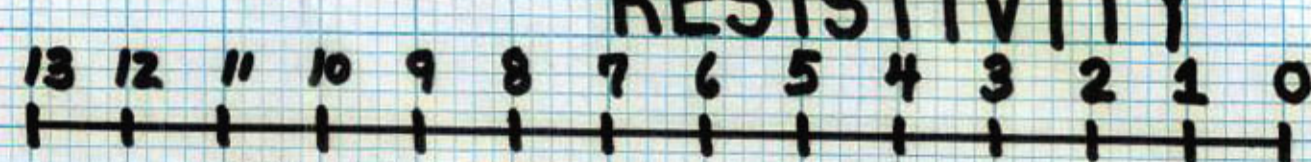
Comments:

TYPE OF SURVEYS RUN

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

MF-33

FLUID RESISTIVITY



Ohm-METERS

-400'

20'/MIN. ↓

-450'

-500'

-550'

-600'

-650'

-700'

-750'

-800'

-850'

-900'

-950'

-1000'

-1050'

-1100'

-1150'

-1200'

Ohm-METERS



FLUID RESISTIVITY

MF-33