

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	
0850000600	012087	W11	M.F.-37	MARTIN	27	02	52	80	30	50	

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	sw1/4;sw1/4;sw1/4	26	38S38E	EU.E.C.	

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			30		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	GROVE/PROPERTY NAME	AREA CODE	TELEPHONE	WELL USE
		W31	CAUKINS CITRUS				INDUSTRIAL

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	ARNOLD & BEARSS	STUART, FL.	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).

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.	
0850000600	12087	W5.1	1200	1243	391	391	98		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)
		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
		W6.10		STEEL	100	0	391	02	

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
		W62	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
		W63	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 I. D.	SURVEY DATE	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
0850000600	012087	W71	E.P. DAUENHAEUER	A. TASSINARI	X	X	X	X	X	X	X	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 I. D.	SURVEY DATE	CARD	SAMPLE SOURCE (WELLHEAD, ETC.)	TYPE FLUID	DATE SAMPLED	TIME SAMPLED
		W81	WELLHEAD	WATER	012087	1300

FLUID QUALITY CARD TWO

1	17	20	25	32	35	41	47	53	60	64	70	75
STATION I. D.	SURVEY DATE	CARD	TEMP. OF SAMPLE	C FIELD SP. GRAVITY	FIELD PH	CHLORIDE (MG/L)	DISSOLVED SOLIDS	SPEC. COND. (U-MHO/CM)	STATIC WATER LEVEL (FEET)	W/L REF FROM	FLOW RATE (GAL/MIN)	PUMP RATE (GAL/MIN)
		W82	82.0	F		4040		13840				

COMMENT CARDS

1	17	20	40	60	76
STATION I. D.	SURVEY DATE	CARD	COMMENTS - LINE 1	COMMENTS - LINE 2	COMMENTS - LINE 3
		W91	HUNG. FLOWMETER	PARTIAL FLOW LOG	

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



WELL LOG

WELL LOCATION

County MARTIN
 Station I. D. 0850000060
 Date 01/20/87 Well No. MF-37
 Latitude 27°-02'-52" Longitude 80°-30'-50"
SW 1/4 SW 1/4 Section 25 Township 39S Range 38E
 Owner CAULKINS CITRUS Phone _____
 Driller ARNOLD & BEARS Date Drilled _____
 WELL CONSTRUCTION
 Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller 1260' T. Depth - Logger 1243'
 Casing Depth Driller 391' Casing Depth Logger 391'
 Bit Size _____ Casing Dia. I.D. 9.8"
 Hole Dia. 10" From 0' To 1243' Dia. From _____ To _____
 Type of Casing STEEL Casing Thickness 0.2"
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use INDUSTRIAL
 Static Water Level Flowing Date _____
 Yield Flow _____ Pump _____

DATUM

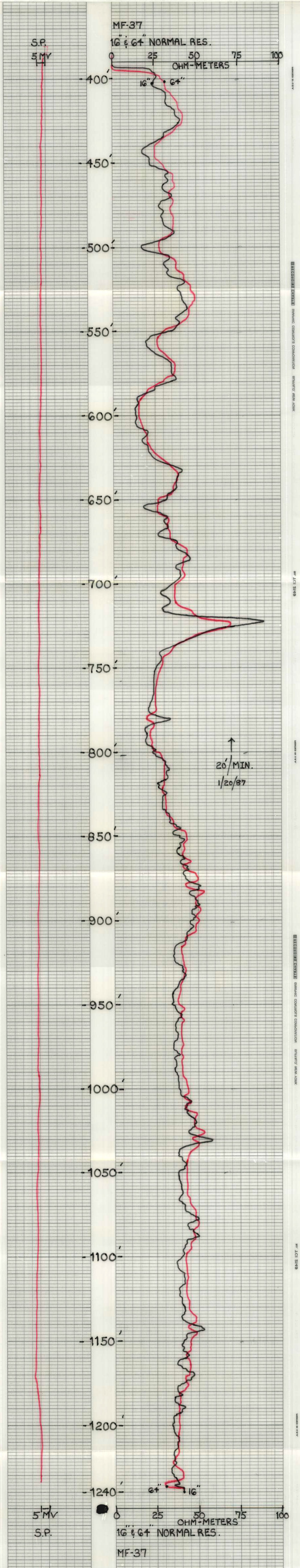
K.B. _____ L.S. _____ T.O.C. +3.0'

FLUID QUALITY

Date 01/20/87 Time 13:00 Source of Sample WELLHEAD
 Cl 404 mg/l Type of Fluid WATER
 Temp. 82.0 °F Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 1984.0 umhos/cm
 Logged By: E.P. DAUENHAUER Witnessed By: A. TASSINARI
 Comments: FLOWMETER HUNG UP

TYPE OF SURVEYS RUN

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





WELL LOG

WELL LOCATION

County MARTIN
Station I. D. Q850000060
Date 01/20/87 Well No. MF-37
Latitude 27°-02'-52" Longitude 80°-30'-50"
SW 1/4 S.W. 1/4 Section 25 Township 39S Range 38E

Owner Caukins Citrus Phone _____
Driller Arnold Beers Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot Air CT Auger Other _____
T. Depth - Driller 1260' T. Depth - Logger 1243'
Casing Depth Driller 391' Casing Depth Logger 391'
Bit Size _____ Casing Dia. I.D. 9.8"
Hole Dia. 10" From 0' To 1243' Dia. From _____ To _____
Type of Casing STEEL Casing Thickness 0.2"
Type of Screen OPEN HOLE Screen Int. From _____ To _____
Type of Packing _____ Well Use INDUSTRIAL
Static Water Level Flowing Date _____
Yield Flow _____ Pump _____

DATUM

K.B. _____ L.S. _____ T.O.C. +3.0'

FLUID QUALITY

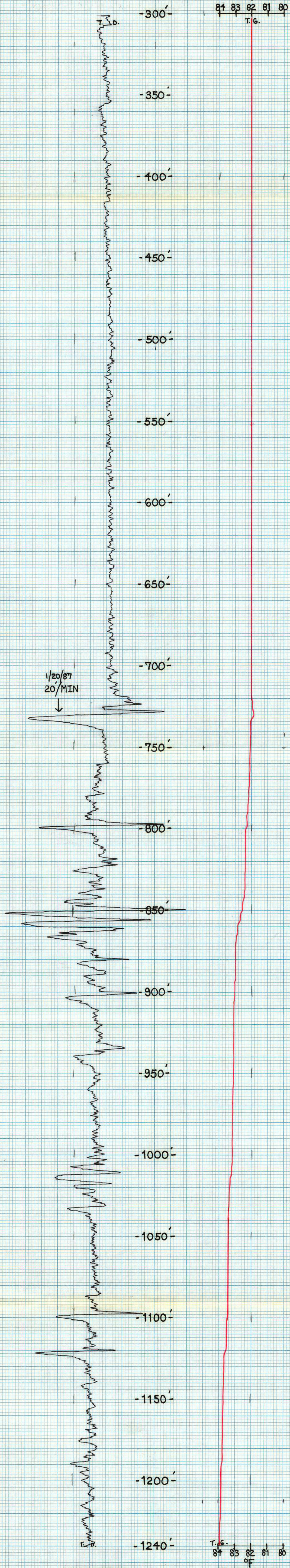
Date 01/20/87 Time 13:00 Source of Sample WELLHEAD
Cl 404 mg/l Type of Fluid WATER
Temp. 82.0 °F Field Density _____ @ _____ °C
T.D.S. _____ mg/l Spec. Cond. 1984.0 umhos/cm
Logged By: E.P. DAMENHAUER Witnessed By: A. TASSINARI

Comments: FLOWMETER HUNG UP

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-37
TEMPERATURE DIFFERENTIAL TEMPERATURE GRADIENT
°F
81 83 82 81 80
T.G.



TEMPERATURE DIFFERENTIAL MF-37 TEMPERATURE GRADIENT
°F
84 83 82 81 80

RECORDING CHARTER GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK



WELL LOG

WELL LOCATION

County MARTIN
 Station I. D. Q850000060
 Date 01/20/87 Well No. MF-37
 Latitude 27°-02'-52" Longitude 80°-30'-50"
 SW 1/4 Section 25 Township 39S Range 38E
 Owner CAULKINS CITRUS Phone _____
 Driller ARNOLD BEARSS Date Drilled _____
 Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller 1260' T. Depth - Logger 1243'
 Casing Depth Driller 391' Casing Depth Logger 391'
 Bit Size _____ Casing Dia. I.D. 9.8"
 Hole Dia. 10" From 0' To 1243' Dia. From _____ To _____
 Type of Casing STEEL Casing Thickness 0.2"
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use INDUSTRIAL
 Static Water Level Flowing Date _____
 Yield Flow _____ Pump _____

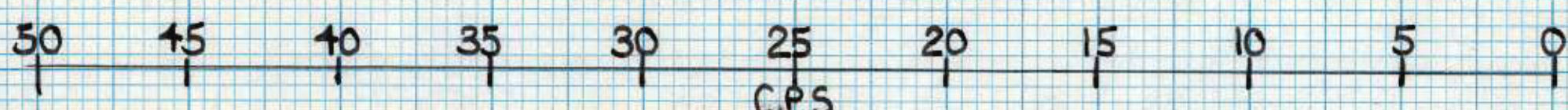
DATUM

K.B. _____ L.S. _____ T.O.C. +3.0'
 FLUID QUALITY
 Date 01/20/87 Time 13:00 Source of Sample WELLHEAD
 Cl 404 mg/l Type of Fluid WATER
 Temp. 82.0 °F Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 1984.0 umhos/cm
 Logged By: E.P. DAMENHAUER Witnessed By: A. TASSINARI
 Comments: FLOWMETER HUNG UP

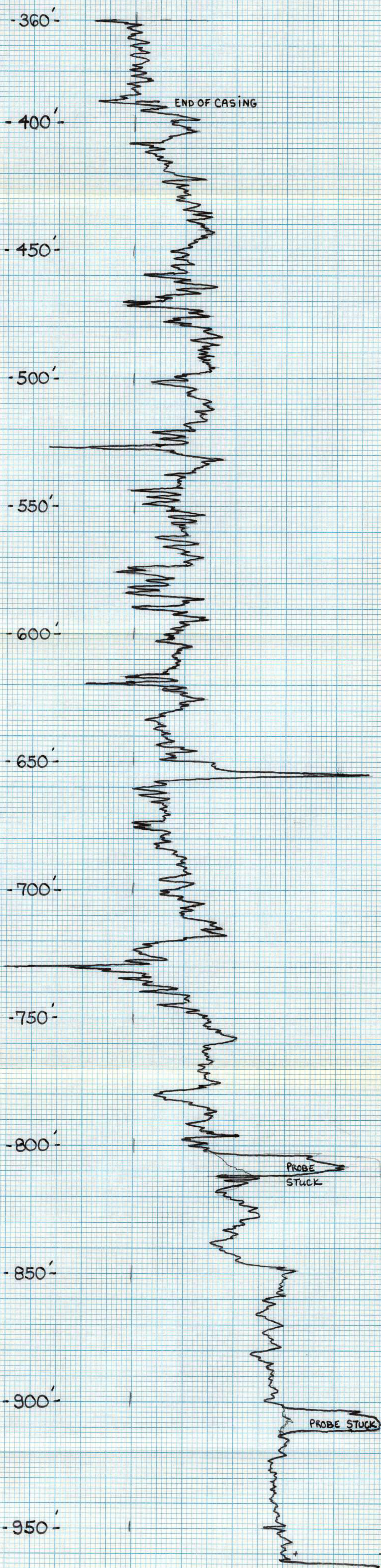
TYPE OF SURVEYS RUN

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

MF-37
FLOWMETER



STEADY
STATIONARY
FLOW



END OF CASING

PROBE STUCK

PROBE STUCK

6339
 RECORDING CHARTER GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
 6339
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 6339
 RECORDING CHARTER GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK



WELL LOG

WELL LOCATION

County MARTIN
Station I. D. 0850000060
Date 01/20/87 Well No. MF-37
Latitude 27°-02'-52" Longitude 80°-30'-50"
SW 1/4 Section 25 Township 39S Range 38E
Owner Calkins Citrus Phone _____
Driller Arnoldi Beass Date Drilled _____

DATUM

K.B. _____ L.S. _____ T.O.C. +3.0'

FLUID QUALITY

Date 01/20/87 Time 13:00 Source of Sample WELLHEAD
Cl 404 mg/l Type of Fluid WATER
Temp. 82.0 °F Field Density _____ °C
T.D.S. _____ mg/l Spec. Cond. 1984.0 umhos/cm
Logged By: E.P. DAMENHAUER Witnessed By: A. TASSINARI

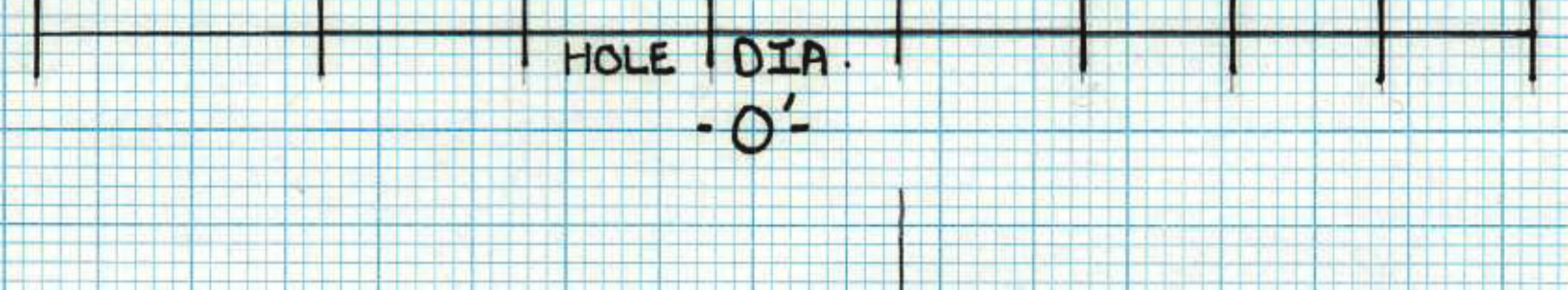
WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____
T. Depth - Driller 1260' T. Depth - Logger 1243'
Casing Depth Driller 391' Casing Depth Logger 391'
Bit Size _____ Casing Dia. I.D. 9.8"
Hole Dia. 10" From 0' To 1243' Dia. From _____ To _____
Type of Casing STEEL Casing Thickness 0.2"
Type of Screen OPEN HOLE Screen Int. From _____ To _____
Type of Packing _____ Well Use INDUSTRIAL
Static Water Level Flowing 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

MF-37
CALIPER



HOLE DIA. 0"



↑
20'/MIN.
1/16/87

CALIPER
MF-37

RECORDED BY: _____
DATE: _____
DRAWN BY: _____
DATE: _____
6339



WELL LOG

WELL LOCATION

County MARTIN
 Station I. D. 085000060
 Date 01/20/87 Well No. MF-37
 Latitude 29°-02'-52" Longitude 80°-30'-50"
 SW 1/4 NW 1/4 Section 26 Township 39S Range 38E
 Owner CAULKINS CITRUS Phone _____
 Driller ARNOLD BEARSS Date Drilled _____

DATUM

K.B. _____ L.S. _____ T.O.C. +3.0'

FLUID QUALITY

Date 01/20/87 Time 13:00 Source of Sample WELLHEAD
 Cl 404 mg/l Type of Fluid WATER
 Temp. 82.0 °F Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 1984.0 umhos/cm
 Logged By: E.P. DAMENHAUER Witnessed By: A. TASSINARI

WELL CONSTRUCTION

Drilling Method: Rot Air CT Auger Other _____
 T. Depth - Driller 1260' T. Depth - Logger 1243'
 Casing Depth Driller 391' Casing Depth Logger 391'
 Bit Size _____ Casing Dia. I.D. 9.8"
 Hole Dia. 10" From 0' To 1243' Dia. _____ From _____ To _____
 Type of Casing STEEL Casing Thickness 0.2"
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use INDUSTRIAL
 Static Water Level Flowing Date _____
 Yield Flow _____ Pump _____

Comments: FLOWMETER HUNG UP

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-37

FLUID RESISTIVITY

0 1 2 3 4 5 6 7 8 9 10 11 12 13
 OHM-METERS, -300-

+350'

-400'

-450'

-500'

-550'

-600'

-650'

-700'

-750'

-800'

-850'

-900'

-950'

-1000'

-1050'

-1100'

-1150'

-1200'

-1240'

0 1 2 3 4 5 6 7 8 9 10 11 12 13
 OHM-METERS

FLUID RESISTIVITY

↑
10'/MIN

6339
 RECORDED CHART
 GRAPHIC CONTROLS CORPORATION
 BUFFALO, NEW YORK
 PRINTED IN U.S.A.



WELL LOG

WELL LOCATION

County MARTIN
 Station I. D. 085000060
 Date 01/20/87 Well No. MF-37
 Latitude 27°-02'-52" Longitude 80°-30'-50"
 SW 1/4 Sec 26 Township 39S Range 38E
 Owner CAULKINS CITRUS Phone _____
 Driller ARNOLD BEARSS Date Drilled _____

DATUM

K.B. _____ L.S. _____ T.O.C. +3.0'

FLUID QUALITY

Date 01/20/87 Time 13:00 Source of Sample WELLHEAD
 Cl 404 mg/l Type of Fluid WATER
 Temp. 82.0 °F Field Density @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 1984.0 umhos/cm
 Logged By: E.P. DUMENHAUER Witnessed By: A. TASSINARI
 Comments: FLOWMETER HUNG UP

WELL CONSTRUCTION

Drilling Method: Rot Air CT Auger Other _____
 T. Depth - Driller 1260' T. Depth - Logger 1243'
 Casing Depth Driller 391' Casing Depth Logger 391'
 Bit Size _____ Casing Dia. I.D. 9.8"
 Hole Dia. 10" From 0' To 1243' Dia. _____ From _____ To _____
 Type of Casing STEEL Casing Thickness 0.2"
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use INDUSTRIAL
 Static Water Level Flowing Date _____
 Yield Flow _____ Pump _____

TYPE OF SURVEYS RUN

Lateral G' _____ Density _____
 Caliper _____ ccl _____
 Flow meter _____ Fluid Sampler _____
 16" 64" normals _____ Temperature _____
 Neutron _____ Delta Temp. _____
 Natural Gamma _____ SP _____
 Fluid Resistivity: XXXXXXX

