

WELL STATION IDENTIFICATION

FORM 62 - 12/77

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

PAGE 1 OF 2

WELL LOCATION CARD ONE

1										10	16	20	37	54	57	59	63	66	68	71			
STATION										SURVEY		CARD	WELL NO.		COUNTY		LAT	LAT	LAT	LON	LON	LON	
I. D.										DATE		C			MARTIN		DEG	MIN	SEC	DEG	MIN	SEC	
085000012										09.15.77		W11	MF-3				27	12	49	80	10	44	

WELL LOCATION CARD TWO

1										17	20	37	39	42	45	61		
STATION										SURVEY		CARD	QUARTERSECTIONS		SEC	TOWN-	WATER MANAGEMENT DISTRICT	
I. D.										DATE		C			SHIP	RANGE	PLANNING AREA	
												W12	1/4; 1/4; 1/4		31	37S	42E UPPER, EAST, COAST,	

WELL DATUM CARD

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

WELL OWNERSHIP CARD

1										17	20	37	54	57	64	80			
STATION										SURVEY		CARD	NAME OF OWNER		GROVE/PROPERTY NAME		AREA	TELEPHONE	WELL USE
I. D.										DATE		C							
												W31	INDIAN RIVER, PLAN						STANDBY

WELL ORIGIN CARD

1										17	20	37	54	71	76			
STATION										SURVEY		CARD	DRILLER/ DRILLING COMPANY		OFFICE OF DRILLER (CITY)		DRILLING METHOD	DATE COMPLETED
I. D.										DATE		C						
												W41	DOUG ARNOLD					

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 63-12/77

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	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. YES- NO-	
0850,000,1209,15,77		W51		9,80.6		543.0	8.0		YES- NO-	

WELL DESCRIPTION - CONSTRUCTION CARD TWO

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

WELL DESCRIPTION - CONFIGURATION CARD, SECTION ONE (TOP)

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD	SEC	TYPE OF CASING	NOM. DIA. (INCHES)	BEGIN DEPTH	END DEPTH (FEET)	THICKNESS (INCHES)	TYPE OF ANNULUS FILL
		W610		STEEL	8.0		0543.0		

WELL DESCRIPTION - CONFIGURATION CARD, SECTION TWO

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD	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	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

WELL SURVEY REPORT

FORM 61 - 12/77
(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
08500091	209.15.77	W71	M. BROWN	D. REECE	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	DATE	TIME
I. D.	DATE	C	(WELLHEAD, ETC.)	FLUID	SAMPLED	SAMPLED
		W81	WELLHEAD	WATER	09.15.77	

FLUID QUALITY CARD TWO

1	17	20	25	32	35	41	47	53	60	64	70	75
STATION	SURVEY	CARD	TEMP. OF	C 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	254	C				26180				

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			

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.
 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 Martin
Station I. D. 025000012
Date 9/15/77 Well No. MF-3
Latitude R7-12-49 Longitude 80-10-44
Section 31 Township 37S Range 42E
Owner Indian River Plant. Phone _____
Driller Doug Arnold Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. X Air CT Auger Other
T. Depth - Driller _____ T. Depth - Logger 980.6'
Casing Depth Driller _____ Casing Depth Logger 543.0'
Bit Size _____ Casing Dia. I.D. 8.0"
Hole Dia. _____ From _____ To _____ Dia. From _____ To _____
Type of Casing _____ Casing Thickness _____
Type of Screen _____ Screen Int. From _____ To _____
Type of Packing _____ Well Use standby
Static Water Level 32.6' above top of wellhead Date 9/7/77
Yield Flow _____ Pump _____

DATUM

K.B. _____ L.S. _____
Depth referenced to top of casing 3.2' above concrete slab approx. L.S.

FLUID QUALITY

Date 9/15/77 Time _____ Source of Sample WELLHEAD
Cl _____ mg/l Type of Fluid fluid
Temp. 25.4 °C Field Density _____ @ _____ °C
T.D.S. _____ mg/l Spec. Cond. 2618.0 μmhos/cm
Logged By: M. P. Brown Witnessed By: D. Reece

Comments: E-log hung @ 740'-767' going down, pinch in @ 774' to 7.3" gamma tool hung up @ 836' going down well flowing @ approx. 124 GPM

TYPE OF SURVEYS RUN

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





WELL LOG

WELL LOCATION

County Martin
 Station I. D. 085000012 *MF-3*
 Date 9/15/77 Well No. ~~MF-3~~
 Latitude 27° 12' 49" Longitude 80° 10' 44"
 Section 31 Township 37S Range 42E
 Owner Indian River Plant. Phone _____
 Driller Doug Arnold Date Drilled _____

DATUM

K.B. _____ L.S. _____ T.O.C. above concrete slab approx. L.S.
 Depth referenced to top of casing 3.2'

FLUID QUALITY

Date 9/15/77 Time _____ Source of Sample WELLHEAD
 CI _____ mg/l Type of Fluid fluid
 Temp. 25.4 °C Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 2618.0 umhos/cm
 Logged By: M. P. Brown Witnessed By: D. Reece

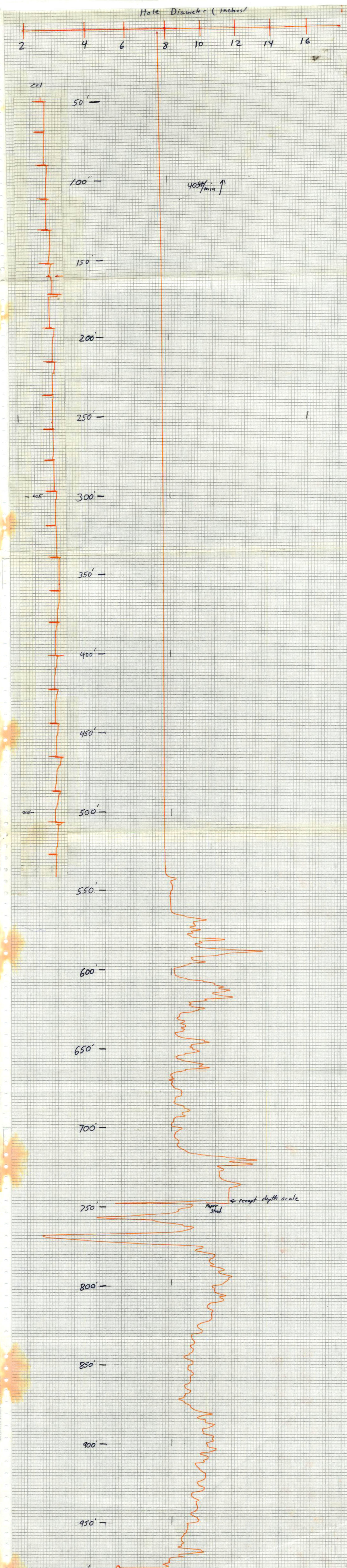
Comments: E-log hung @ 740'-767' going down, Pinch in @ 774' to 7.3" Gamma tool hung up @ 836' going down well flowing @ approx. 124 GPM

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller _____ T. Depth - Logger 980.6'
 Casing Depth Driller _____ Casing Depth Logger 543.0'
 Bit Size _____ Casing Dia. I.D. 8.0"
 Hole Dia. _____ From _____ To _____ Dia. _____ From _____ To _____
 Type of Casing _____ Casing Thickness _____
 Type of Screen _____ Screen Int. From _____ To _____
 Type of Packing _____ Well Use standby
 Static Water Level 32.6' above top of wellhead Date 9/7/77
 Yield Flow _____ Pump _____

TYPE OF SURVEYS RUN

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





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

FORM 60
Oct, 1977

WELL LOG

WELL LOCATION

County Martin

Station I. D. 085 0000 12

Date 9/15/77

Latitude 27° 12' 45" Longitude 80° 10' 44"

Section 31 Township 37S Range 42E

Owner Indian River Plant. Phone _____

Driller Doug Arnold Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____

T. Depth - Driller _____ T. Depth - Logger 980.6'

Casing Depth Driller _____ Casing Depth Logger 543.0'

Bit Size _____ Casing Dia. I.D. 8.0"

Hole Dia. _____ From _____ To _____ Dia. _____ From _____ To _____

Type of Casing _____ Casing Thickness _____

Type of Screen _____ Screen Int. From _____ To _____

Type of Packing _____ Well Use standby

Static Water Level 32.6' above _____ Date 9/7/77

top of wellhead
Yield Flow _____ Pump _____

DATUM

K.B. _____ L.S. _____ T.O.C. above concrete slab
Depth referenced to top of casing 3.2' approx. L.S.

FLUID QUALITY

Date 9/15/77 Time _____ Source of Sample WELLHEAD

Cl _____ mg/l Type of Fluid fluid WATER

Temp. 25.4 °C Field Density _____ @ _____ °C

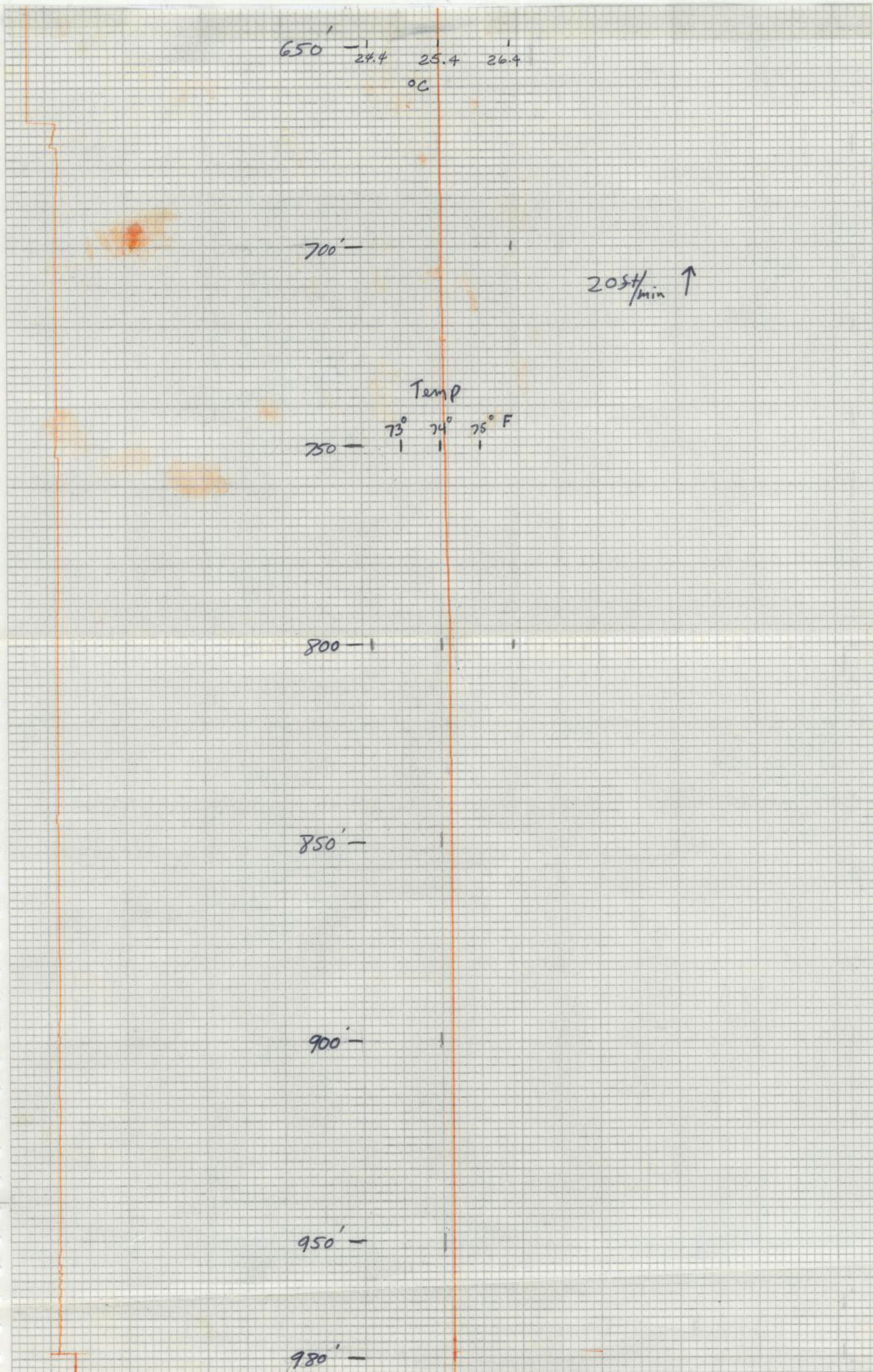
T.D.S. _____ mg/l Spec. Cond. 2618.0 μmhos/cm

Logged By: M. P. Brown Witnessed By: D. Reece

Comments: E-log hung @ 740'-767' going down, Pinch in @ 774' to 7.3" Gamma tool hung up @ 836' going down well flowing @ approx. 124 GPM

TYPE OF SURVEYS RUN

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



GENIVALL OMEGA INDUSTRIES, INC.

MADE IN U.S.A.

MP-20-20-20



WELL LOG

WELL LOCATION

County Martin
 Station I. D. 085000012 *MF-3*
 Date 9/15/77 Well No. [REDACTED]
 Latitude 27°-12'-49" Longitude 80°-10'-44"
 Section 31 Township 37S Range 42E
 Owner Indian River Plant. Phone _____
 Driller Doug Arnold Date Drilled _____

DATUM

K.B. _____ L.S. _____
 T.O.C. _____
 Depth referenced to top of casing 3.2' above concrete slab approx. L.S.

FLUID QUALITY

Date 9/15/77 Time _____ Source of Sample WELLHEAD
 CI _____ mg/l Type of Fluid fluid
 Temp. 25.4 °C Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 2618.0 umhos/cm
 Logged By: M. P. Brown Witnessed By: D. Reece

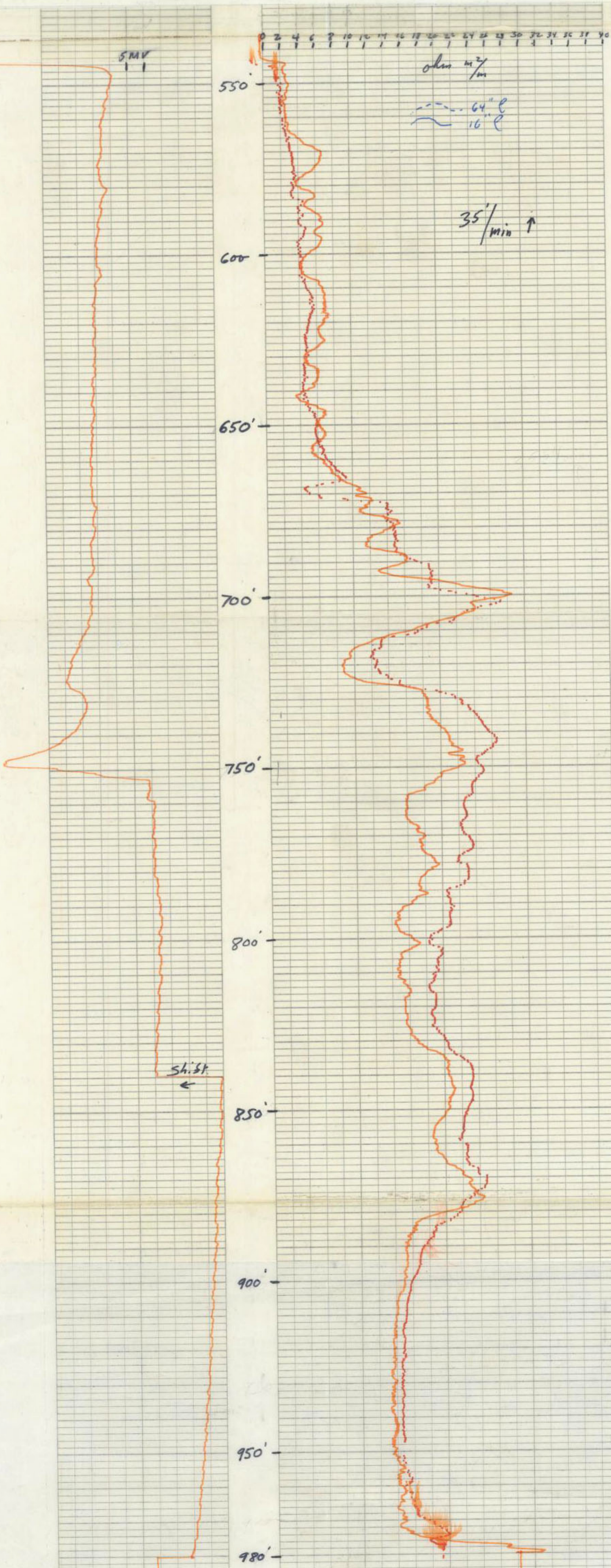
Comments: E-log hung @ 740'-767' going down, Pinch in @ 774' to 7.3" Gamma tool hung up @ 836' going down well flowing @ approx. 124 GPM

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller _____ T. Depth - Logger 980.6'
 Casing Depth Driller _____ Casing Depth Logger 543.0'
 Bit Size _____ Casing Dia. I.D. 8.0"
 Hole Dia. _____ From _____ To _____ Dia. _____ From _____ To _____
 Type of Casing _____ Casing Thickness _____
 Type of Screen _____ Screen Int. From _____ To _____
 Type of Packing _____ Well Use standby
 Static Water Level 32.6' above top of wellhead Date 9/7/77
 Yield Flow _____ Pump _____

TYPE OF SURVEYS RUN

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



GEORGE OWENS INDUSTRIES, INC.

NO. 12-1823-01

REVISED BY E.T.A.