

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	SURVEY	YR	CARD	WELL NO.				COUNTY	LAT	LAT	LAT	LONG	LONG	LONG	LONG	LONG	LONG	LONG	LONG	LONG	LONG	LONG	LONG
I. D.	DATE		C						DEG	MIN	SEC	DEG	MIN	SEC	DEG	MIN	SEC	DEG	MIN	SEC	DEG	MIN	SEC
071000017	072882		W11	LE-032				LEE	026	47	45.00	082	02	12.00									

WELL LOCATION CARD TWO

1		17		20		37		39		42		45		61	
STATION	SURVEY	YR	CARD	QUARTERSECTIONS				SEC	TOWN-		WATER MANAGEMENT DISTRICT				
I. D.	DATE		C						SHIP	RANGE	PLANNING AREA				
			W12	SE1/4; NE1/4; WE1/4				32	42S	23E	LOWER WEST COAST				

WELL DATUM CARD

1		17		20		26		32		38		44		59	
STATION	SURVEY	YR	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		00			MSL- ; LS- ; TOC-X							

WELL OWNERSHIP CARD

1		17		20		37		54		57		64		80	
STATION	SURVEY	YR	CARD	NAME OF OWNER				GROVE/PROPERTY NAME				AREA	TELEPHONE	WELL USE	
I. D.	DATE		C									CODE			
			W31	BURNT STORE				BURNT STORE						MONITOR	

WELL ORIGIN CARD

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

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).

1987

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.	
071000017	072882	W51	1103	1078		200	360		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
		W610		P.V.C.	40	0	200	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
		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. 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
071000017	072882	W71	S. ANDERSON	M. BRAUN	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	FORMATION WATER	072882	1400

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	85.6					3380				

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.

113



WELL LOG

WELL LOCATION

County LEE
 Station I. D. 071000017
 Date 07-28-82 Well No. LE-032
 Latitude 026°47'45" Longitude 082°02'12"
 SE 1/4 NE 1/4 Section 32 Township 42S Range 23E
 Owner BURNT STORE Phone _____
 Driller _____ Date Drilled _____
 Drilling Method: Rot. Air CT _____ Auger _____ Other _____
 T. Depth - Driller 1103' T. Depth - Logger 1078'
 Casing Depth Driller _____ Casing Depth Logger 200'
 Bit Size _____ Casing Dia. I.D. 3.80"
 Hole Dia. 4.0 From 0 To 200 Dia. From _____ To _____
 Type of Casing P.V.C. Casing Thickness _____
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use MONITOR
 Static Water Level _____ Date 07-28-82
 Yield Flow 206 P.M. Pump _____

DATUM

K.B. _____ L.S. _____ T.O.C. X

FLUID QUALITY

Date 07-28-82 Time 1400 Source of Sample WELLHEAD
 Cl _____ mg/l Type of Fluid FORMATION WATER
 Temp. 85.6 °F Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 3.380 μmhos/cm
 Logged By: S. ANDERSON Witnessed By: M. BRAUN
 Comments: _____

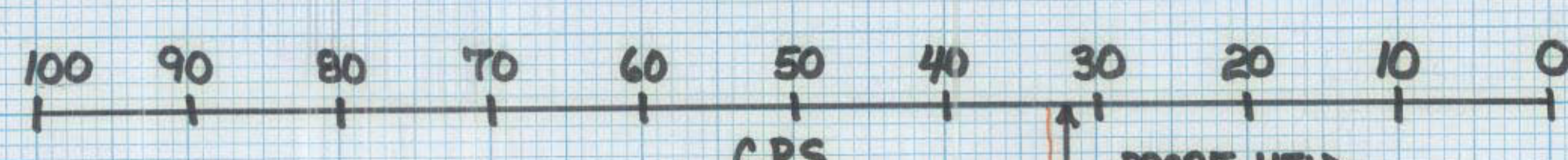
TYPE OF SURVEYS RUN

Lateral 6" ()
 Caliper ()
 Flow meter (X)
 16", 64" normals (X)
 Neutron (X)
 Natural Gamma (X)
 Fluid Resistivity (X)

Density ()
 ccl ()
 Fluid Sampler ()
 Temperature ()
 Delta Temp. ()
 SP ()

LE-032

FLOWMETER



-100' PROBE HELD STATIONARY IN HOLE

-150' 50'/MIN. ↓

-200'

-250'

-300'

-350'

-400'

-450'

-500'

-550'

-600'

-650'

-700'

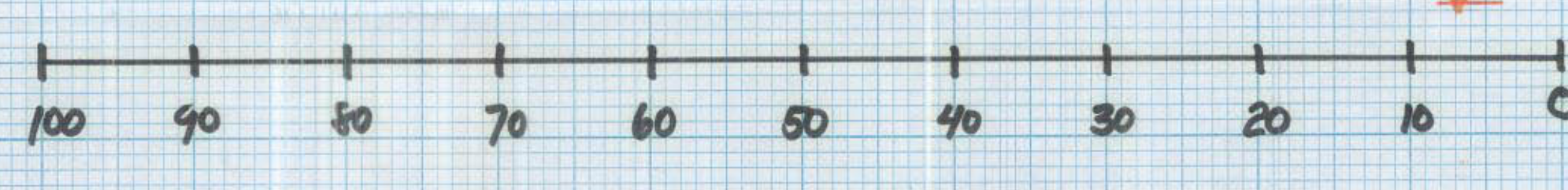
-750'

-800'

-850'

-900'

-950'



FLOWMETER

LE-032



WELL LOG

WELL LOCATION
 County LEE
 Station I. D. Q71000017
 Date 07-28-82 Well No. LE-032
 Latitude 026°47'45" Longitude 082°02'12"
 SE 1/4 NE 1/4 Section 32 Township 42S Range 23E
 Owner BURNT STORE Phone _____
 Driller _____ Date Drilled _____

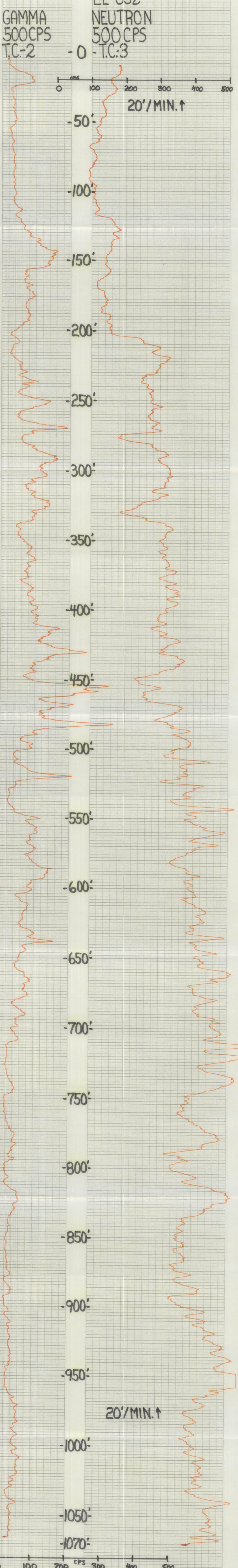
WELL CONSTRUCTION
 Drilling Method: Rot_Air_CT_Auger_Other _____
 T. Depth - Driller 1103' T. Depth - Logger 1078'
 Casing Depth Driller _____ Casing Depth Logger 200'
 Bit Size _____ Casing Dia. I.D. 3.80"
 Hole Dia. 4.0 From 0 To 200 Dia. From To _____
 Type of Casing P.V.C Casing Thickness _____
 Type of Screen OPEN HOLE Screen Int. From To _____
 Type of Packing _____ Well Use MONITOR
 Static Water Level _____ Date 07-28-82
 Yield Flow 20 G.P.M. Pump _____

DATUM
 K.B. _____ L.S. _____ T.O.C. X

FLUID QUALITY
 Date 07-28-82 Time 1400 Source of Sample WELLHEAD
 Cl _____ mg/l Type of Fluid FORMATION WATER
 Temp. 85.6 °F Field Density _____ °C
 T.D.S. _____ mg/l Spec. Cond. 3,380 umhos/cm
 Logged By: S. ANDERSON Witnessed By: M. BRAUN
 Comments: _____

TYPE OF SURVEYS RUN

Lateral 6"	()	Density	()
Caliper	(X)	col	()
Flow meter	()	Fluid Sampler	()
16" 54" normals	(X)	Temperature	(X)
Neutron	(X)	Delta Temp.	(X)
Natural Gamma	(X)	SP	(X)
Fluid Resistivity	(X)		

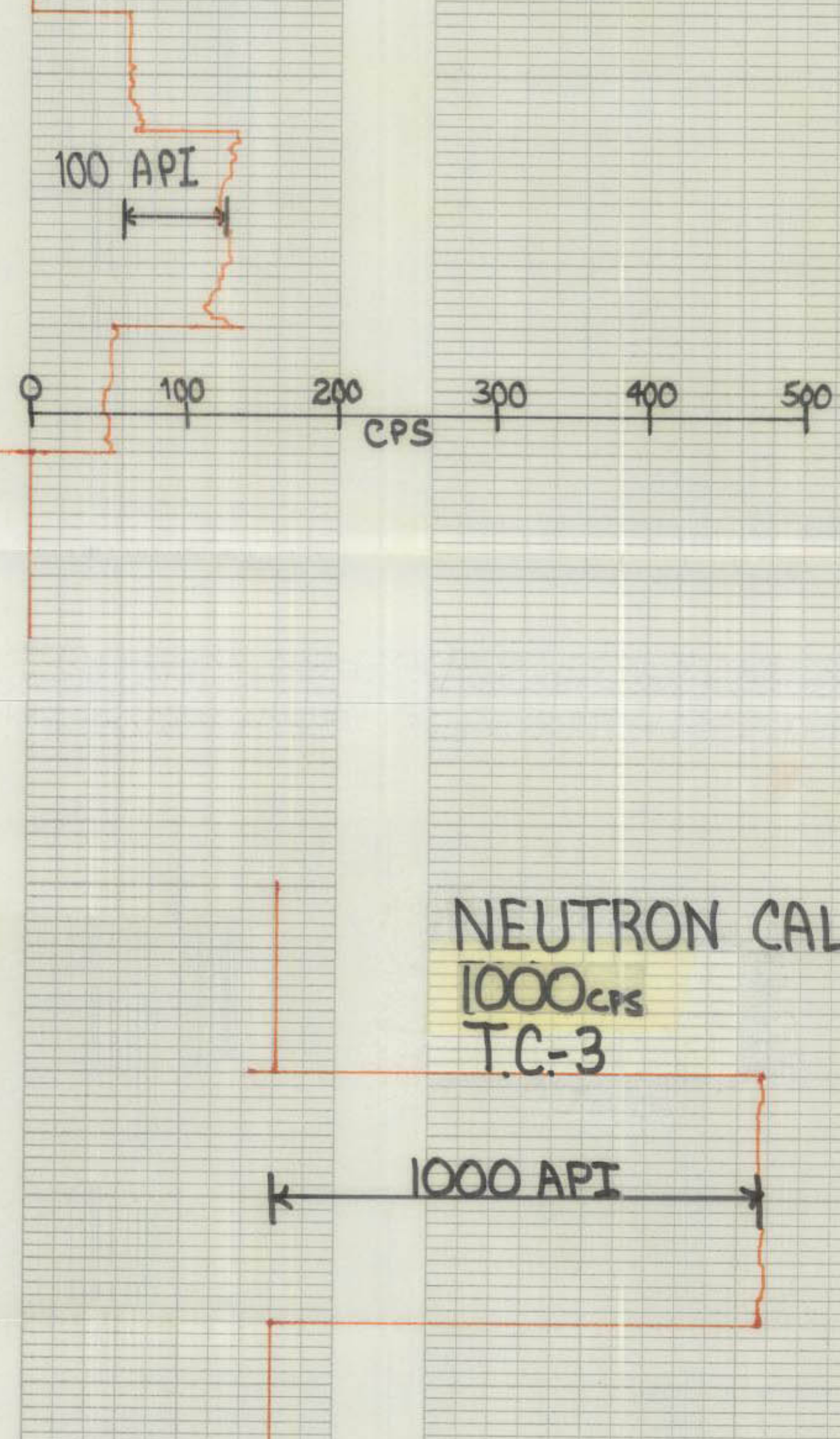


GAMMA CAL. 500CPS T.C.-2

NEUTRON CAL. 1000CPS T.C.-3

LE-032

100 API





WELL LOG

WELL LOCATION

County LEE
 Station I. D. 071000017
 Date 07-28-82 Well No. LE-032
 Latitude 026°47'45" Longitude 082°02'12"
 SE 1/4 NE 1/4 Section 32 Township 42S Range 23E
 Owner BURNT STORE Phone _____
 Driller _____ Date Drilled _____
 Drilling Method: Rot. Air CT _____ Auger _____ Other _____
 T. Depth - Driller 1103' T. Depth - Logger 1078'
 Casing Depth Driller _____ Casing Depth Logger 200'
 Bit Size _____ Casing Dia. I.D. 3.80"
 Hole Dia. 4.0 From 0 To 200 Dia. From _____ To _____
 Type of Casing P.V.C Casing Thickness _____
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use MONITOR
 Static Water Level _____ Date 07-28-82
 Yield Flow 206 P.M. Pump _____

DATUM

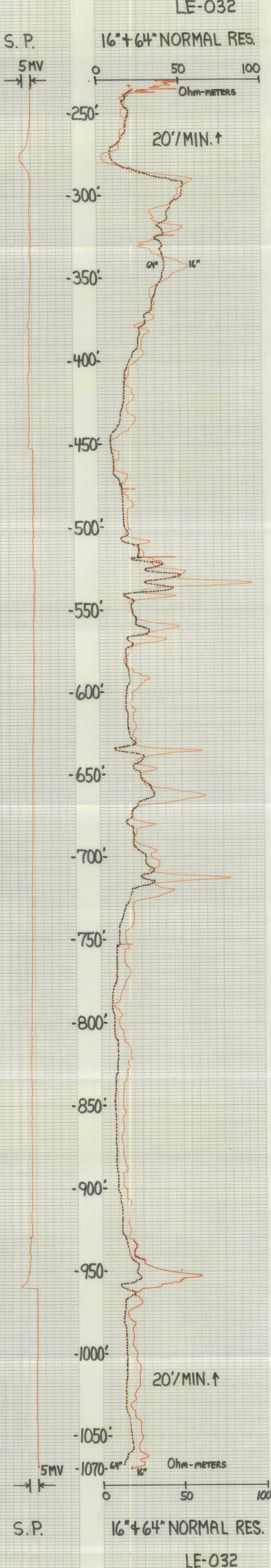
K.B. _____ L.S. _____ T.O.C. X

FLUID QUALITY

Date 07-28-82 Time 1400 Source of Sample WELLHEAD
 Cl _____ mg/l Type of Fluid FORMATION WATER
 Temp. 85.6 °F Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 3,380 umhos/cm
 Logged By: S. ANDERSON Witnessed By: M. BRAUN
 Comments: _____

TYPE OF SURVEYS RUN

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





WELL LOG

WELL LOCATION

County LEE
 Station I. D. 071000017
 Date 07-28-82 Well No. LE-032
 Latitude 026° 47' 45" Longitude 082° 02' 12"
 SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 32 Township 42S Range 23E
 Owner BUANT STORE Phone _____
 Driller _____ Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller 1103' T. Depth - Logger 1078'
 Casing Depth Driller _____ Casing Depth Logger 200'
 Bit Size _____ Casing Dia. I.D. 3.80"
 Hole Dia. 4.0 From 0 To 200 Dia. From _____ To _____
 Type of Casing P.V.C Casing Thickness _____
 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use MONITOR
 Static Water Level _____ Date 07-28-82
 Yield Flow 20 G.P.M. Pump _____

DATUM

K.B. _____ L.S. _____ T.O.C. X

FLUID QUALITY

Date 07-28-82 Time 1400 Source of Sample WELLHEAD
 Cl _____ mg/l Type of Fluid FORMATION WATER
 Temp. 85.6 °F Field Density _____ °C
 T.D.S. _____ mg/l Spec. Cond. 3.380 umhos/cm
 Logged By: S. ANDERSON Witnessed By: M. BRAUN
 Comments: _____

TYPE OF SURVEYS RUN

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

LE-032

CALIPER

HOLE DIA.

2" 4" 6" 8" 10" 12" 14"
 -0-

-50'

20'/MIN. ↑

-100'

-150'

-200'

-250'

-300'

-350'

-400'

-450'

-500'

-550'

-600'

-650'

-700'

-750'

-800'

-850'

-900'

-950'

20'/MIN. ↑

-1000'

-1050'

CALIPER

LE-032



WELL LOG

WELL LOCATION

County LEE

Station I. D. 071000017

Date 07-28-82 Well No. LE-032

Latitude 026°47'45" Longitude 082°02'12"

SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 32 Township 42S Range 23E

Owner BURNT STORE Phone _____

Driller _____ Date Drilled _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____

T. Depth - Driller 1103' T. Depth - Logger 1078'

Casing Depth Driller _____ Casing Depth Logger 200'

Bit Size _____ Casing Dia. I.D. 3.80"

Hole Dia. 4.0 From 0 To 200 Dia. From To

Type of Casing P.V.C Casing Thickness _____

Type of Screen OPEN HOLE Screen Int. From To

Type of Packing _____ Well Use MONITOR

Static Water Level _____ Date 07-28-82

Yield Flow 20 G.P.M. Pump _____

DATUM

K.B. _____ L.S. _____ T.O.C. X

FLUID QUALITY

Date 07-28-82 Time 1400 Source of Sample WELLHEAD

Cl _____ mg/l Type of Fluid FORMATION WATER

Temp. 85.6 °F Field Density @ _____ °C

T.D.S. _____ mg/l Spec. Cond. 3,380 umhos/cm

Logged By: S. ANDERSON Witnessed By: M. BRAUN

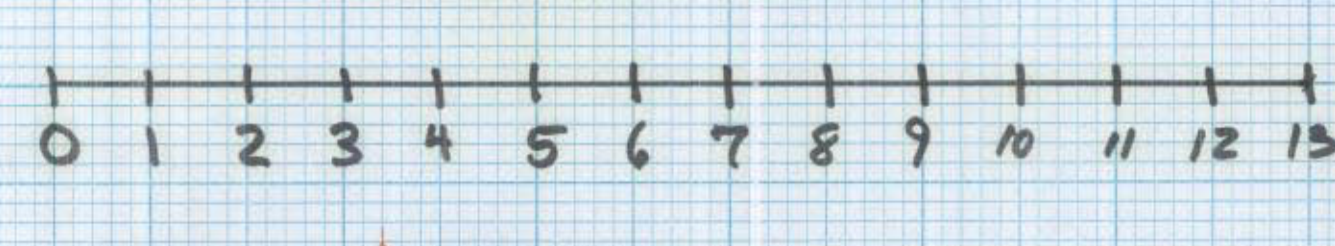
Comments: _____

TYPE OF SURVEYS RUN

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

LE-032

FLUID RESISTIVITY



-200'

20'/MIN. ↑

-250'

-300'

-350'

-400'

-450'

-500'

-550'

-600'

-650'

-700'

-750'

-800'

-850'

-900'

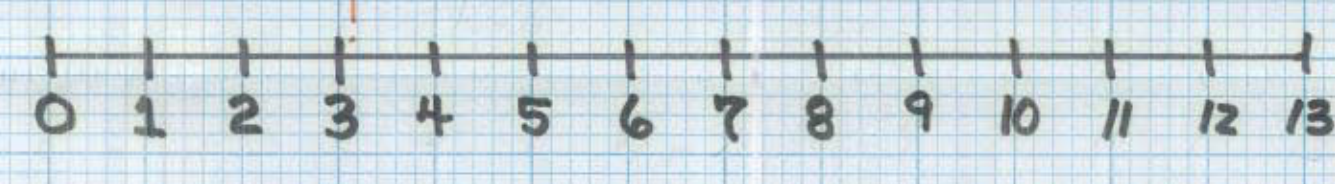
-950'

-1000'

20'/MIN. ↑

-1050'

Ohm-METERS



FLUID RESISTIVITY

LE-032



WELL LOG

WELL LOCATION
 County LEE
 Station I. D. 071000017
 Date 07-28-82 Well No. LE-032
 Latitude 026°47'45" Longitude 082°02'12"
SE 1/4 NE 1/4 Section 32 Township 42S Range 23E
 Owner BURNT STORE Phone _____
 Driller _____ Date Drilled _____

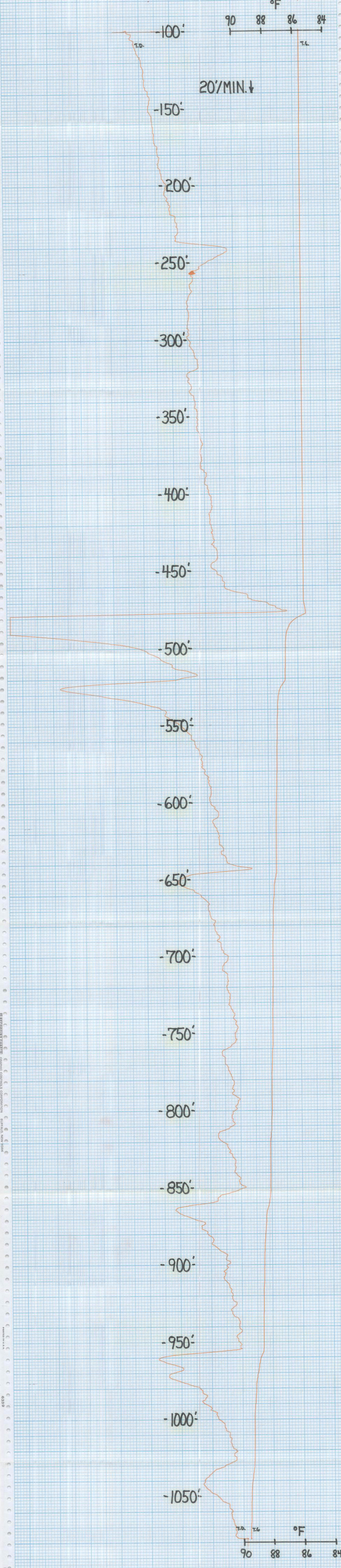
WELL CONSTRUCTION
 Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller 1103' T. Depth - Logger 1078'
 Casing Depth Driller _____ Casing Depth Logger 200'
 Bit Size _____ Casing Dia. I.D. 3.80"
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 Type of Screen OPEN HOLE Screen Int. From _____ To _____
 Type of Packing _____ Well Use MONITOR
 Static Water Level _____ Date 07-28-82
 Yield Flow 20.6 P.M. Pump _____

DATUM
 K.B. _____ L.S. _____ T.O.C. X

FLUID QUALITY
 Date 07-28-82 Time 1400 Source of Sample WELLHEAD
 Cl _____ mg/l Type of Fluid FORMATION WATER
 Temp. 85.6 °F Field Density _____ @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 3,380 μ mhos/cm
 Logged By: S. ANDERSON Witnessed By: M. BRAUN
 Comments: _____

TYPE OF SURVEYS RUN
 Lateral G' () Density ()
 Caliper (X) ccl ()
 Flow meter (X) Fluid Sampler ()
 16" 64" normals (X) Temperature ()
 Neutron (X) Delta Temp. ()
 Natural Gamma (X) SP (X)
 Fluid Resistivity (X)

LE-032
 TEMPERATURE DIFFERENTIAL TEMPERATURE GRADIENT



LE-032
 TEMPERATURE DIFFERENTIAL TEMPERATURE GRADIENT