

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	LONG DEG	LONG MIN	LONG SEC	
07110000006	102880	W11	L-3001D	LEE	026	26	1300	081	47	4600	

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	SE1/4; SW1/4; NW1/4	27	46S	25E	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		150	180		MSL-X; LS-; TOC-X

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	MR. ENGLISH				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				

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 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.	
071000006	102880	W51		818		181	780		YES-; NO-X	

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				181	818

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		STEEL	80	0	181	03	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	*	*	*	*	*	*	*	*	*	*
I. D.	DATE	C			A	B	C	D	E	F	G	H	I	J
071000006102880	W71	S. ANDERSON	P. DAUENHAVER	XXXXXX								XXX	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		10.28.80	140.0

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		88.8	F				616.20			70.0	

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 Lee
 Station I. D. 071000006
 Date 10-28-80 Well No. L-3001D (WA-104)
 Latitude 026°-26'-13" Longitude 081°-47'-46"
 SE 1/4 NW 1/4 Section 27 Township 46S Range 25E
 Owner Mr. English Phone _____
 Driller _____ Date Drilled _____

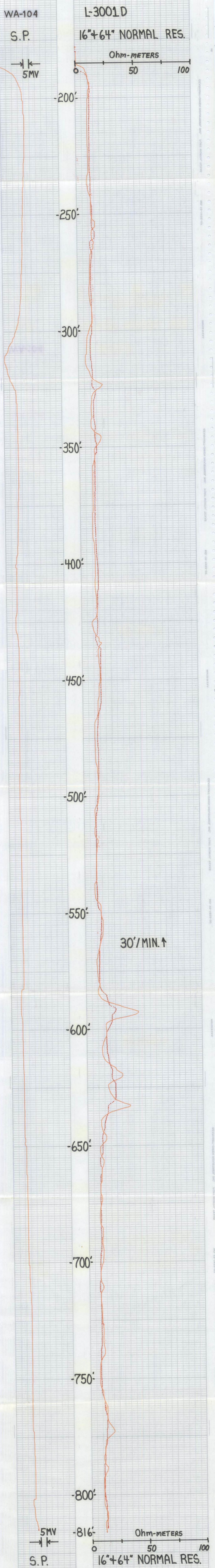
WELL CONSTRUCTION
 Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller _____ T. Depth - Logger 818'
 Casing Depth Driller _____ Casing Depth Logger _____
 Bit Size _____ Casing Dia. I.D. 8.0"
 Hole Dia. 8" From 0' To 818' Dia. From _____ To _____
 Type of Casing STEEL Casing Thickness 0.3"
 Type of Screen Open Hole Screen Int. From _____ To _____
 Type of Packing _____ Well Use Monitor
 Static Water Level _____ Date _____
 Yield Flow 700 gpm Pump _____

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

FLUID QUALITY
 Date 10-28-80 Time 1400 Source of Sample Wellhead
 Cl _____ mg/l Type of Fluid Formation Water
 Temp. 88.0 °F Field Density @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 612.0 umhos/cm
 Logged By: S. Anderson Witnessed By: P. Dauschauer

Comments: _____

TYPE OF SURVEYS RUN
 Lateral 6" Density ()
 Caliper cc ()
 Flow meter Fluid Sampler ()
 16" 64" normals Temperature
 Neutron Delta Temp.
 Natural Gamma SP
 Fluid Resistivity





WELL LOG

WELL LOCATION

County Lee Station I.D. 071000006 Date 10-28-80 Well No. L-3001D (WA-104) Latitude 026°-26'-13" Longitude 081°-47'-46" SE 1/4 SW 1/4 Section 27 Township 46S Range 25E Owner Mr. English

DATUM

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

FLUID QUALITY

Date 10-28-80 Time 1400 Source of Sample Wellhead Cl mg/l Type of Fluid Formation Water Temp. 88.8 F Field Density @ C T.D.S. mg/l Spec. Cond. 6162.0 umhos/cm Logged By: S. Anderson Witnessed By: P. Dauenhauer

WELL CONSTRUCTION

Drilling Method: Rot Air CT Auger Other T. Depth - Driller T. Depth - Logger 818' Casing Depth Driller Casing Depth Logger 181' Bit Size Casing Dia. I.D. 8.0" Hole Dia. 8" From 0' To 818' 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 Monitor Static Water Level Date Yield Flow 700 gpm Pump

Comments:

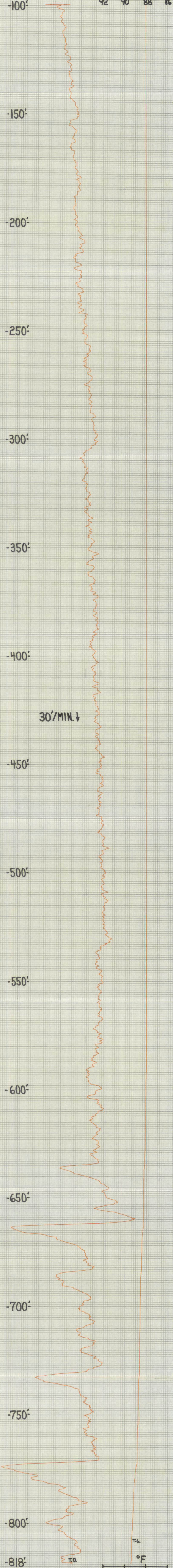
TYPE OF SURVEYS RUN

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

WA-104

L-3001D

TEMPERATURE DIFFERENTIAL TEMPERATURE GRADIENT



30'/MIN. ↓

T.G.

T.O.

TEMPERATURE DIFFERENTIAL TEMPERATURE GRADIENT

L-3001D



WELL LOG

WELL LOCATION

County Lee
 Station I. D. 071000006
 Date 10-28-80 Well No. L-3001D (WA-104)
 Latitude 026°-26'-13" Longitude 081°-47'-46"
 SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 27 Township 46S Range 25E
 Owner Mr. English Phone _____
 Driller _____ Date Drilled _____
 Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller _____ T. Depth - Logger 818'
 Casing Depth Driller _____ Casing Depth Logger 181'
 Bit Size _____ Casing Dia. I.D. 8.0"
 Hole Dia. 8" From 0' To 818' 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 Monitor
 Static Water Level _____ Date _____
 Yield Flow 700 gpm Pump _____

DATUM

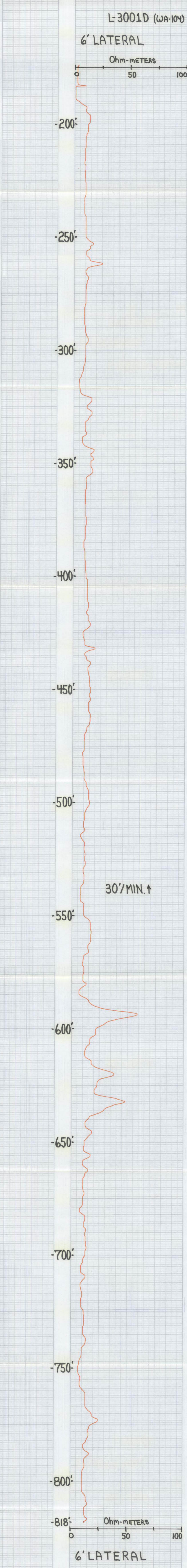
K.B. _____ L.S. _____ T.O.C. 3.0'

FLUID QUALITY

Date 10-28-80 Time 1400 Source of Sample Wellhead
 Cl _____ mg/l Type of Fluid Formation Water
 Temp. 88.8 °F Field Density _____ °C
 T.D.S. _____ mg/l Spec. Cond. 6162.0 umhos/cm
 Logged By: S. Anderson Witnessed By: P. Dauenhauer
 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





WELL LOG

WELL LOCATION
 County Lee
 Station I.D. Q71000006
 Date 10-28-80 Well No. L-3001D (JA-104)
 Latitude 026° 26' 13" Longitude 081° 47' 46"
 SE 1/4 NW 1/4 Section 27 Township 46S Range 25E
 Owner Mr. English Phone _____ Date Drilled _____

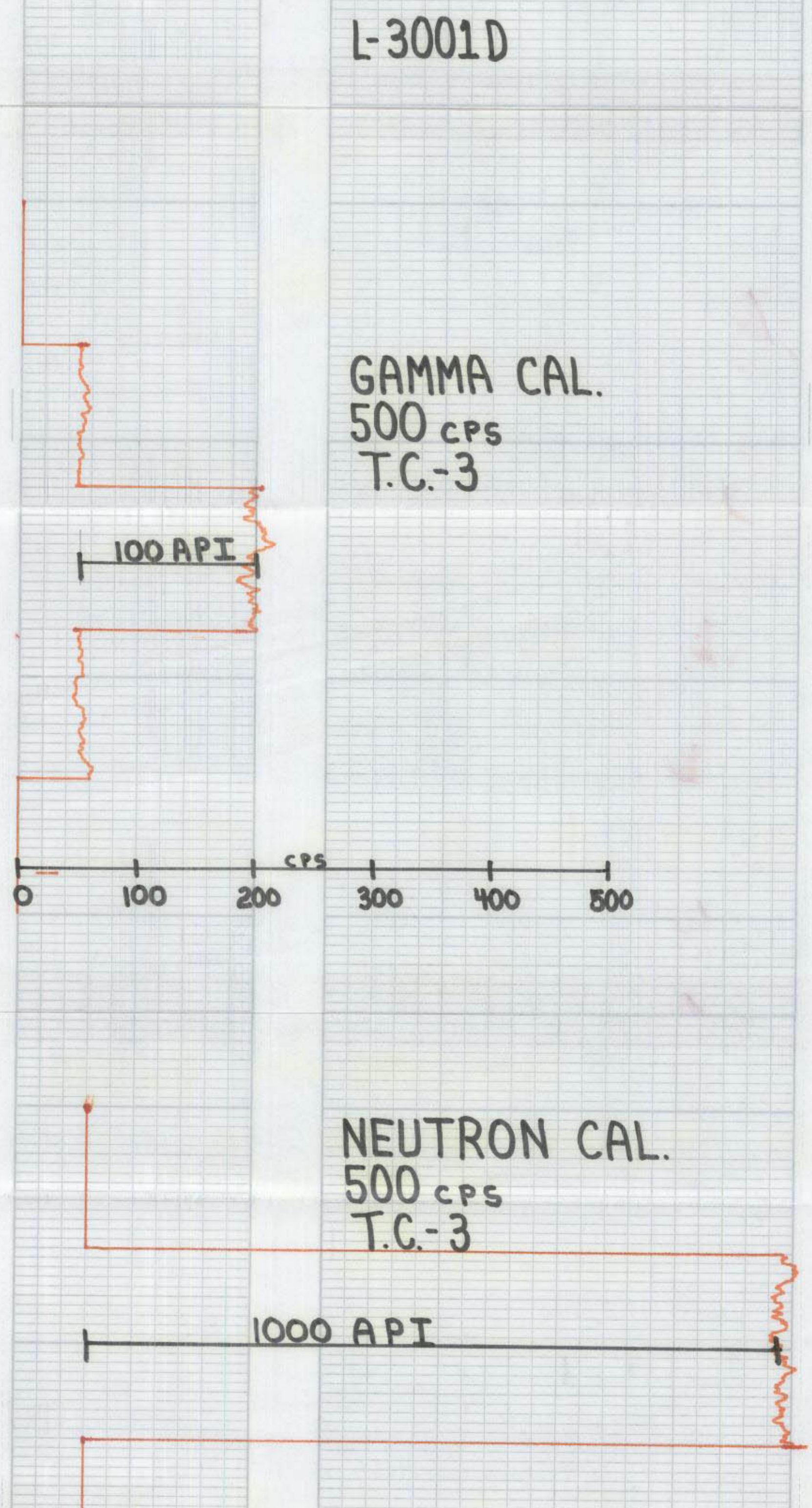
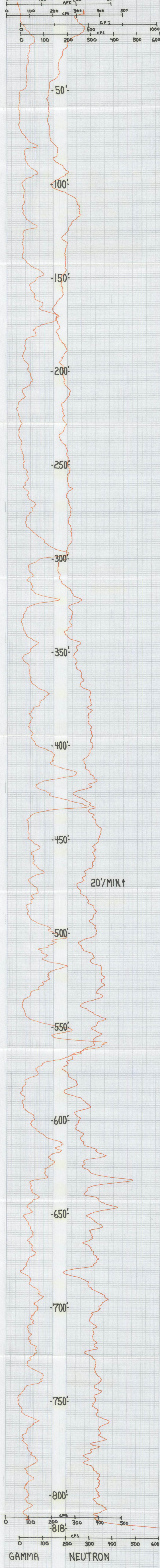
DATUM
 K.B. _____ L.S. _____ T.O.C. 3.0'

FLUID QUALITY
 Date 10-28-80 Time 1400 Source of Sample Wellhead
 CI _____ mg/l Type of Fluid Formation Water
 Temp. 88.8°F Field Density _____ °C
 T.D.S. _____ mg/l Spec. Cond. 6162.0 μmhos/cm
 Logged By: S. Anderson Witnessed By: P. Dauenheuer
 Comments: _____

WELL CONSTRUCTION
 Drilling Method: Rot _____ Air _____ CT _____ Auger _____ Other _____
 T. Depth - Driller _____ T. Depth - Logger 818'
 Casing Depth Driller _____ Casing Depth Logger _____
 Bit Size _____ Casing I.D. 8.0"
 Hole Dia. 8" From 0' To 818' Dia. From _____ To _____
 Casing Thickness 0.2"
 Type of Screen Steel Screen Int. From _____ To _____
 Type of Packing _____ Well Use Monitor
 Static Water Level _____ Date _____
 Yield Flow 700 gpm Pump _____

TYPE OF SURVEYS RUN

Lateral 6'	00	Density	()
Caliper	00	col	()
Flow meter	00	Fluid Sampler	()
18" 54" normals	00	Temperature	00
Neutron	00	Delta Temp.	00
Natural Gamma	00	SP	00
Fluid Resistivity	()		



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WELL LOG

WELL LOCATION

County Lee
 Station I. D. 071000006
 Date 10-28-80 Well No. L-3001D-WA-104
 Latitude 026°26'-13" Longitude 081°47'-46"
 SE 1/4 SW 1/4 Section 27 Township 46S Range 25E
 Owner Mr. English Phone _____
 Driller _____ Date Drilled _____

DATUM

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

FLUID QUALITY

Date 10-28-80 Time 1400 Source of Sample Wellhead
 Cl _____ mg/l Type of Fluid Formation Water
 Temp. 88.8 °F Field Density @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 6162.0 umhos/cm
 Logged By: S. Anderson Witnessed By: P. Dauenhauer
 Comments: _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller _____ T. Depth - Logger 818'
 Casing Depth Driller _____ Casing Depth Logger 181'
 Bit Size _____ Casing Dia. I.D. 8.0"
 Hole Dia. 8" From 0' To 818' Dia. From _____ To _____
 Type of Casing STEEL 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 700 gpm Pump _____

TYPE OF SURVEYS RUN

Lateral 6'
 Caliper
 Flow meter
 16", 64" normals
 Neutron
 Natural Gamma
 Fluid Resistivity

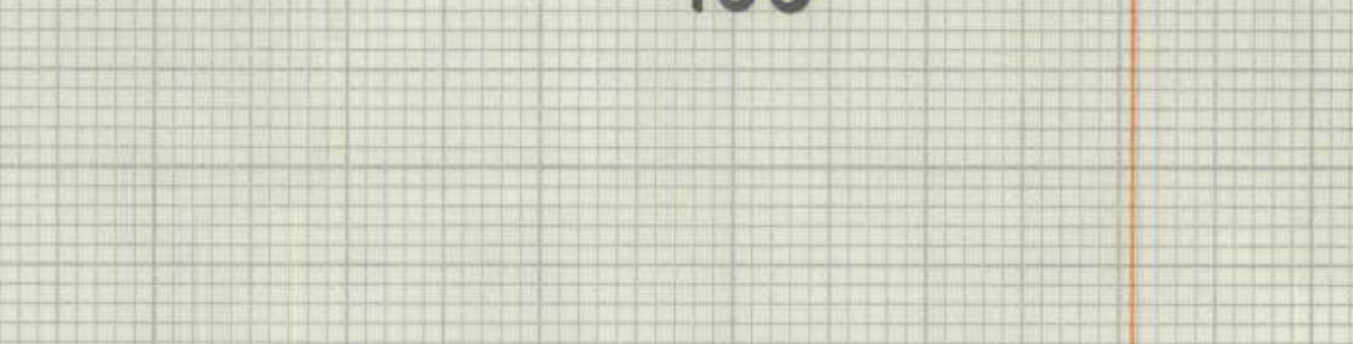
Density ()
 col ()
 Fluid Sampler ()
 Temperature
 Delta Temp.
 SP

WA-104

L-3001D

FLUID RESISTIVITY

Ohm-METERS



-100'

-150'

-200'

-250'

-300'

-350'

-400'

-450'

30'/MIN. ↓

-500'

-550'

-600'

-650'

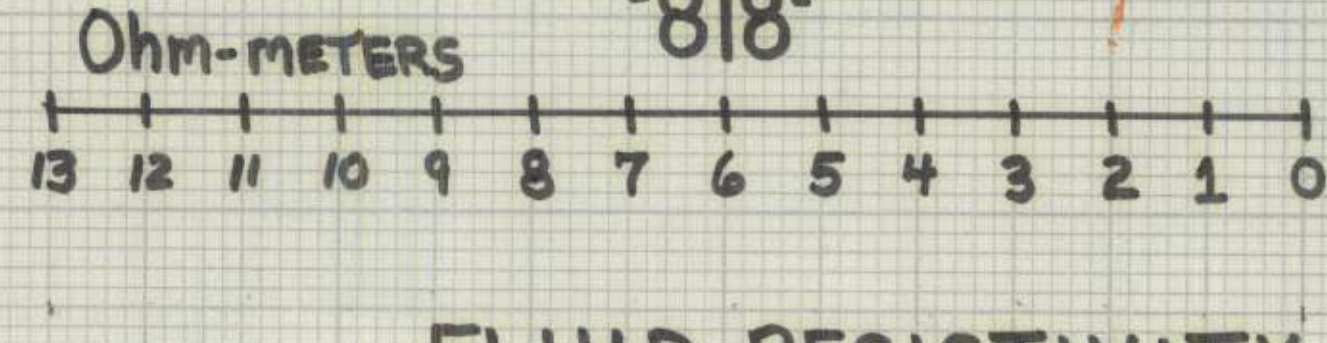
-700'

-750'

-800'

-818'

Ohm-METERS



FLUID RESISTIVITY

L-3001D



WELL LOG

WELL LOCATION

County Lee
Station I. D. 071000006
Date 10-28-80 Well No. L-3001D (WA-104)
Latitude 026° 26' 13" Longitude 081° 47' 46"
SE 1/4 NW 1/4 Section 27 Township 46S Range 25E
Owner Mr. English Phone _____
Driller _____ Date Drilled _____

DATUM

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

FLUID QUALITY

Date 10-28-80 Time 1400 Source of Sample Wellhead
Cl _____ mg/l Type of Fluid Formation Water
Temp. 88.8 °F Field Density _____ °C
T.D.S. _____ mg/l Spec. Cond. 6162.0 µmhos/cm
Logged By: S. Anderson Witnessed By: P. Dausenbauer
Comments: _____

WELL CONSTRUCTION

Drilling Method: Rot. Air CT Auger Other _____
T. Depth - Driller _____ T. Depth - Logger 818'
Casing Depth Driller _____ Casing Depth Logger 191'
Bit Size _____ Casing Dia. I.D. 8.0"
Hole Dia. 8" From 0' To 818' Dia. From _____ To _____
Type of Casing STEEL 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 700 gpm Pump _____

TYPE OF SURVEYS RUN

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

L-3001D (WA-104)

CALIPER

HOLE DIA.



-0-

-50'-

-100'-

-150'-

-200'-

-250'-

-300'-

-350'-

30'/MIN. ↑

-400'-

-450'-

-500'-

-550'-

-600'-

-650'-

-700'-

-750'-

-800'-

-818'

CALIPER

L-3001D



WELL LOG

WELL LOCATION

County Lee
 Station I. D. 071000006
 Date 10-28-80 Well No. L-3001D (WA-104)
 Latitude 026° 26' 13" Longitude 081° 47' 46"
 SE SW NW Section 27 Township 46S Range 25E
 Owner Mr. English Phone _____
 Driller _____ Date Drilled _____
 Drilling Method: Rot. Air CT Auger Other _____
 T. Depth - Driller _____ T. Depth - Logger 818'
 Casing Depth Driller _____ Casing Depth Logger 181'
 Bit Size _____ Casing Dia. I.D. 8.0"
 Hole Dia. 8" From 0' To 818' 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 Monitor
 Static Water Level _____ Date _____
 Yield Flow 700 gpm Pump _____

DATUM

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

FLUID QUALITY

Date 10-28-80 Time 1400 Source of Sample Wellhead
 CI _____ mg/l Type of Fluid Formation Water
 Temp. 88.8° F Field Density @ _____ °C
 T.D.S. _____ mg/l Spec. Cond. 6162.0 µmhos/cm
 Logged By: S. Anderson Witnessed By: P. Dauchauer
 Comments: _____

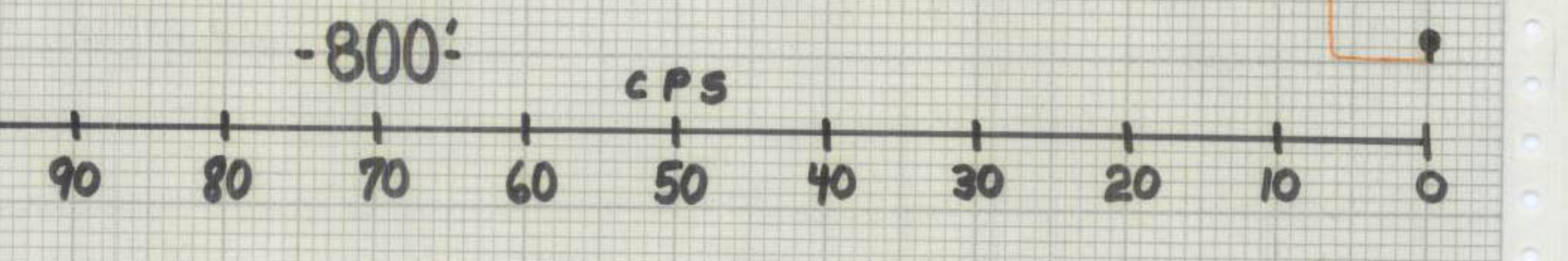
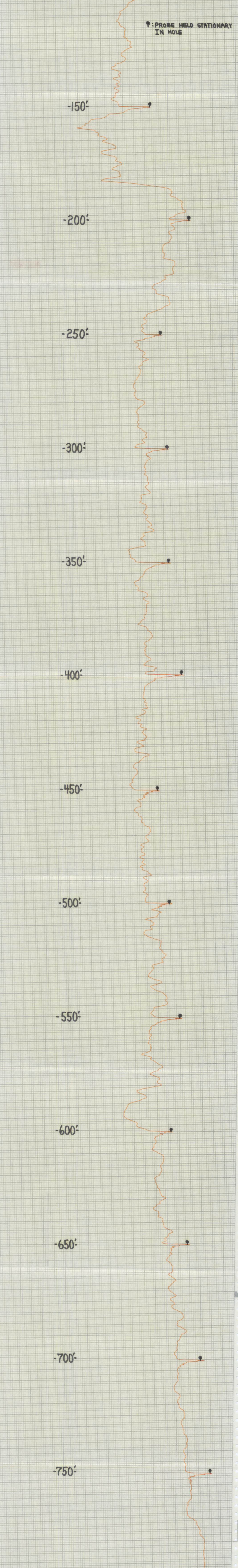
TYPE OF SURVEYS RUN

Lateral 6' 00 Density ()
 Caliper 00 Fluid Sampler ()
 Flow meter 00 Temperature ()
 16", 64" normals 00 Delta Temp. 00
 Neutron 00 SP 00
 Natural Gamma ()
 Fluid Resistivity ()

WA-104

L-3001D

FLOWMETER



FLOWMETER

L-3001D