G02439 Permit #21169 CONFIDENTIAL

TOP WIRELINE SERVICES, Inc.

P.O. Box 880 - Chanute, Kansas 66720

RECEIVED

OCT 12 1984

MO. OIL & GAS COUNCIL

FILING NO.

COMPANY CARMEL ENERGY, INC.

WELL LINNEMAN NO. TO-2

FIELD

COUNTY VERNON COUNTY, MISSOURI

LOCATION: 1016' FSL and 2211' FWL

SEC 34 TWP 36N RGE 33W

OTHER SERVICES:

ELEV K.B. D.F. G.L.

PERMANENT DATUM G.L. ELEV.

LOG MEASURED FROM G.L. FT ABOVE PERM. DATUM

DRILLING MEASURED FROM G.L.

DATE	10-3-84
RUN NO.	1 NW
TYPE LOG	TEMP SURVEY
DEPTH—DRILLER	
DEPTH—LOGGER	167.7'
BOTTOM LOGGED INTERVAL	
TOP LOGGED INTERVAL	4.0'
TYPE FLUID IN HOLE	WATER
DENSITY	
LEVEL	122'
OPERATING RIG TIME	
RECORDED BY	BRUBAKER, T.
WITNESSED BY	

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
2"		0	167.7'

FOLD HERE

HOIST TRUCK NO	81		
INSTRUMENT TRUCK NO			
TOOL SERIAL NO	GO TOOL		

REFERENCE LITERATURE

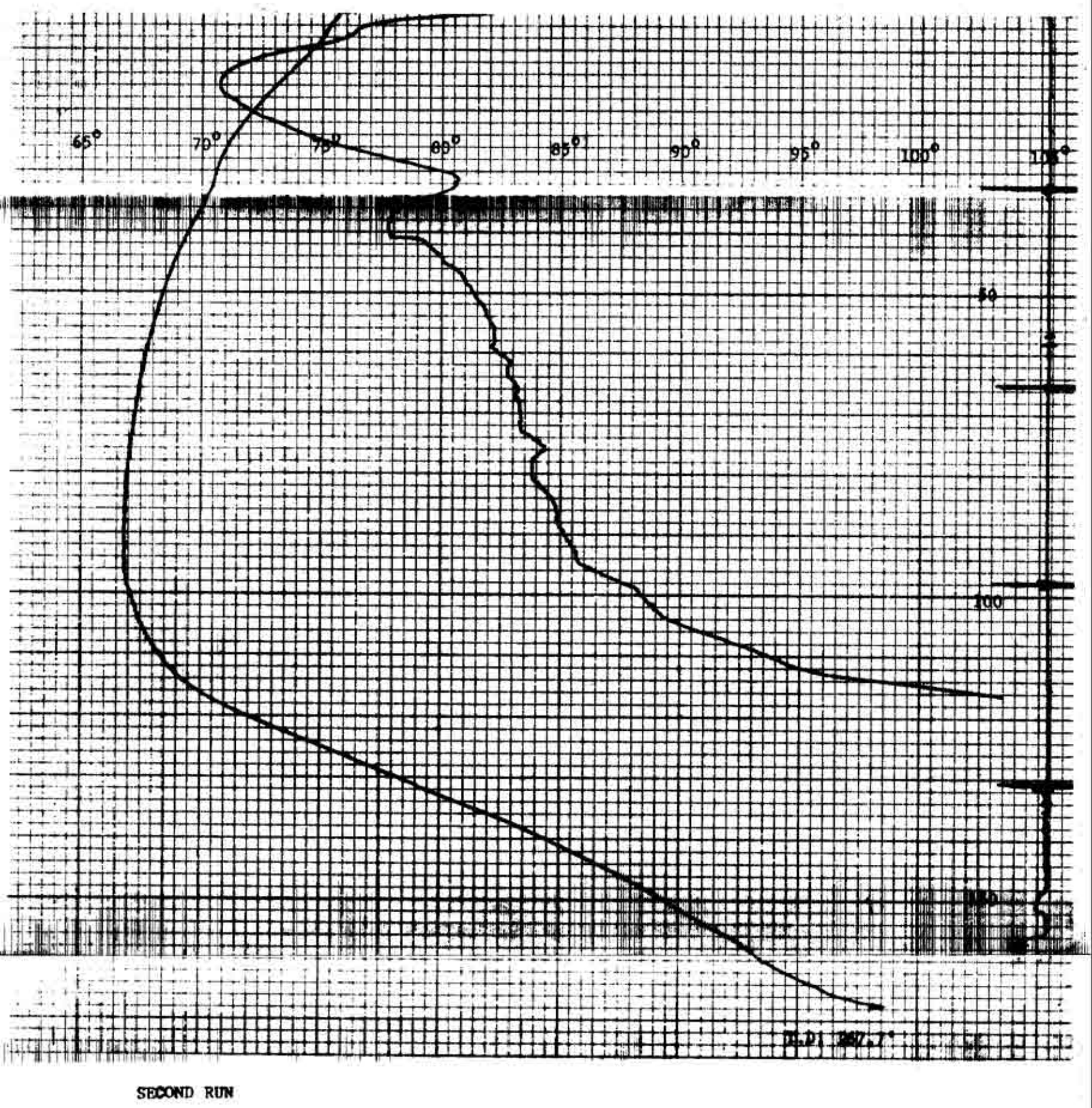
REMARKS

DRILLING CONTRACTOR

GEOLOGIST

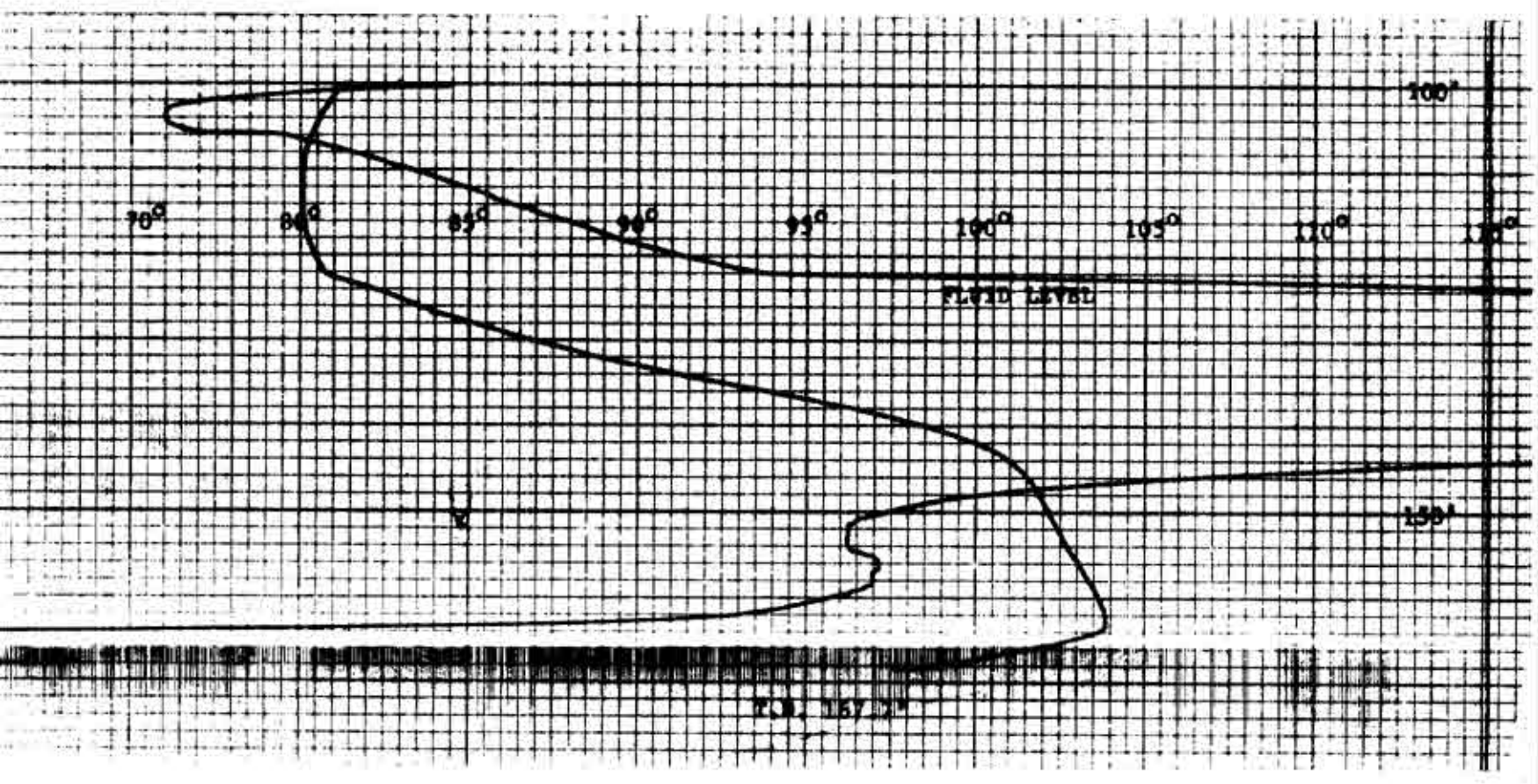
FIRST RUN

GRADIENT TEMPERATURE — INCREASE → — DIFFERENTIAL TEMPERATURE — DEPTHS



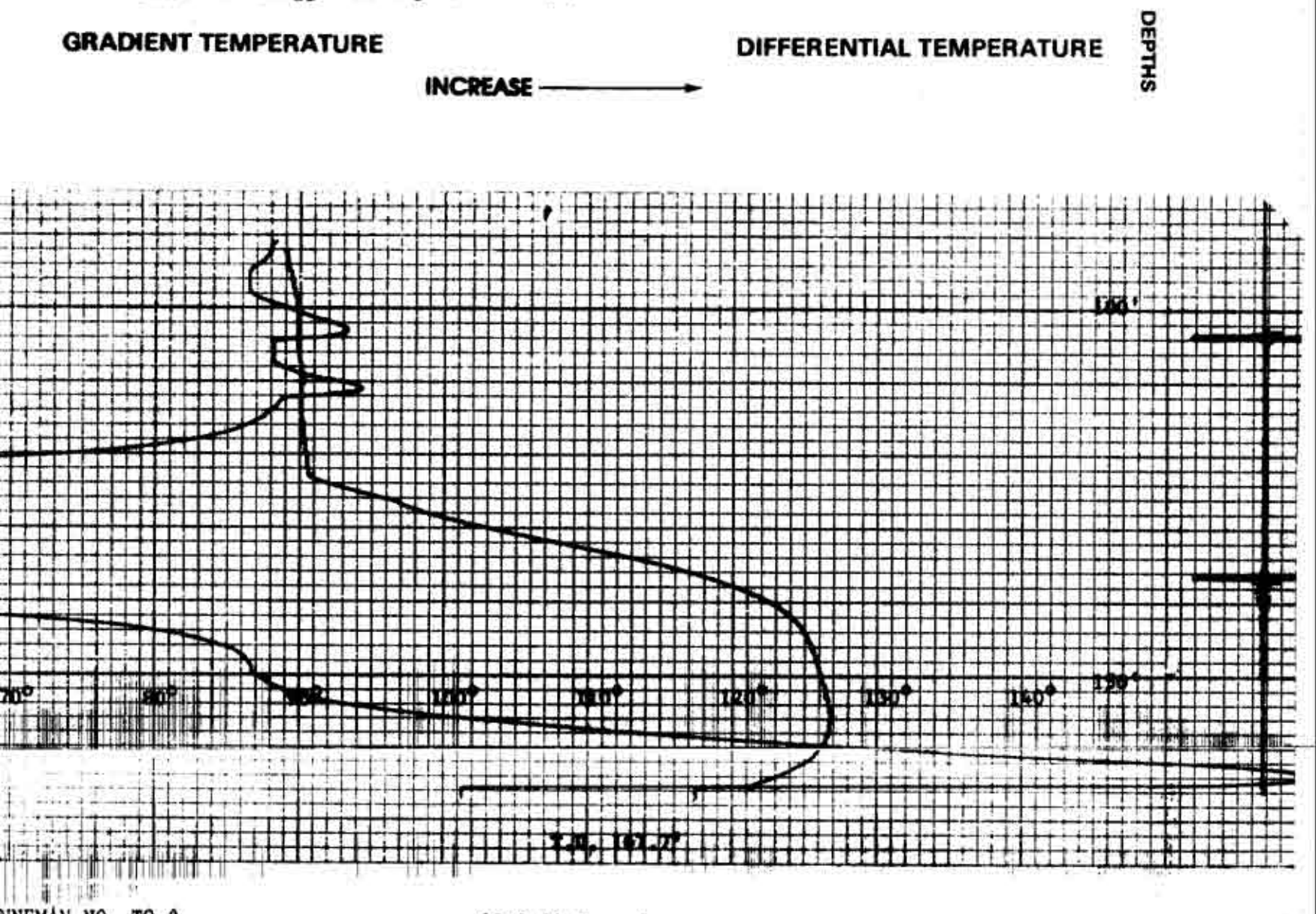
SECOND RUN

GRADIENT TEMPERATURE — INCREASE → — DIFFERENTIAL TEMPERATURE — DEPTHS



THIRD RUN (Logged coming out of hole)

GRADIENT TEMPERATURE — INCREASE → — DIFFERENTIAL TEMPERATURE — DEPTHS



LINNEMAN NO. TO-2

CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

OCTOBER 3, 1984

10-3-84 Temp Survey

34-36N-33W