G0244 79 Permit #21702

TOP WIRELINE SERVICES, inc.

P.O. Box 330 - Chanute, Kansas 66720

RELEASED

NOV 26 1984

MO. OIL & GAS COUNCIL

FILING NO.

COMPANY CARMEL ENERGY, INC.

WELL NO. N13A

FIELD Hinsdale

COUNTY VERNON COUNTY, MISSOURI

LOCATION: 2337' FWL 1352' FSL

SEC 34 TWP 36N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 765.0'

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

DRILLING MEASURED FROM G.L.

ELEV.: K.B. D.F. G.L. 765.0'

DATE	11-16-84
RUN NO.	1 NW
TYPE LOG	SONIC BOND
DEPTH-DRILLER	
DEPTH-LOGGER	150.0'
BOTTOM LOGGED INTERVAL	146.0'
TOP LOGGED INTERVAL	5.0'
TYPE FLUID IN HOLE	WATER
DENSITY	
LEVEL	FULL
OPERATING RIG TIME	
RECORDED BY	BRUBAKER, L.
WITNESSED BY	PHILLIPS, M.

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
4½"		0	T.D.

FOLD HERE

HOIST TRUCK NO	41		
INSTRUMENT TRUCK NO			
TOOL SERIAL NO	BELL TOOL		

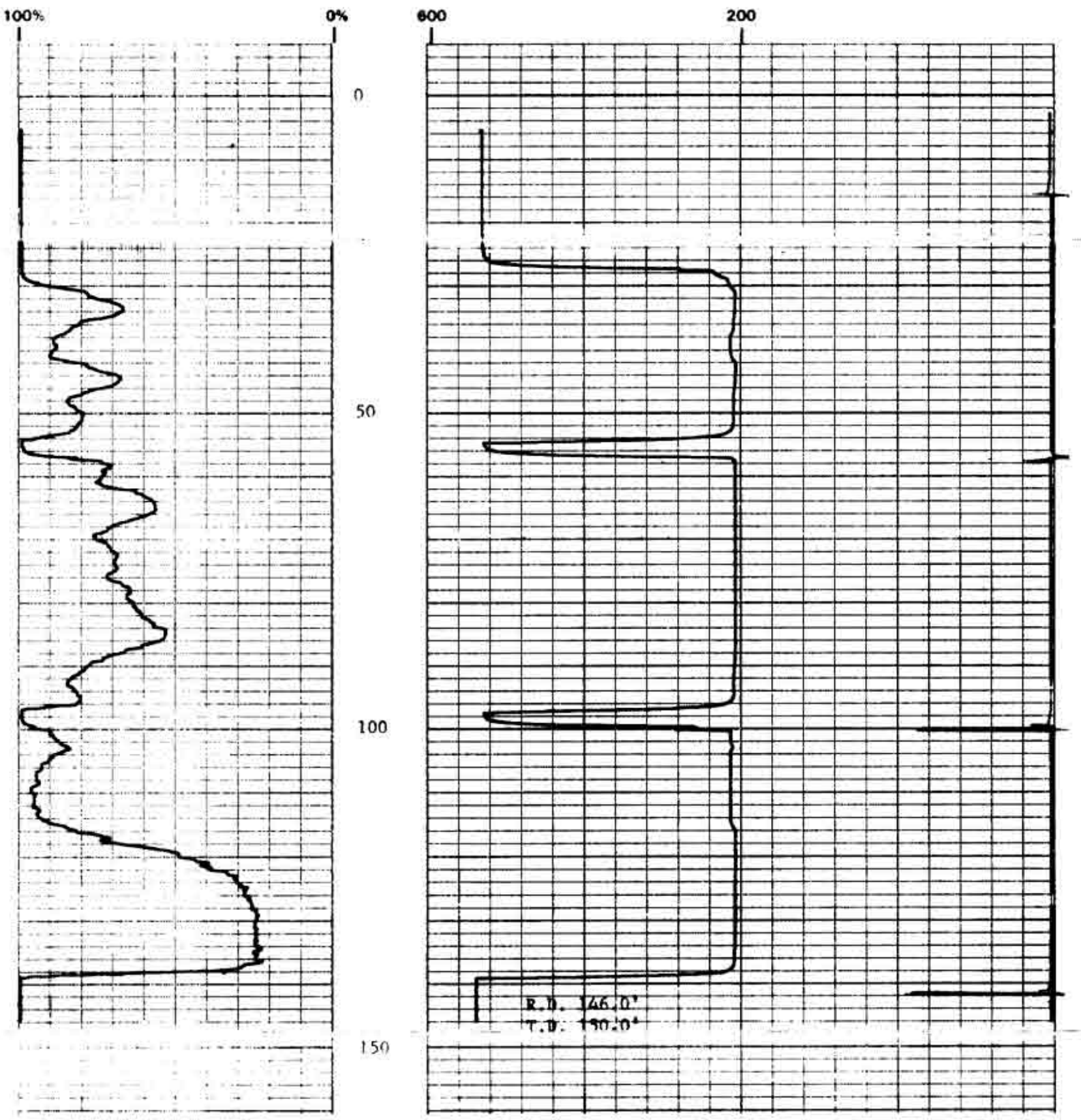
REFERENCE LITERATURE

REMARKS

DRILLING CONTRACTOR:

GEOLOGIST:

SONIC BOND LOG



N13A

CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

NOVEMBER 16, 1984

11-16-84 SBL

34-36N-33W