G02472 Permit # 21704

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. N15A

FIELD Lusteman

COUNTY VERNON COUNTY, MISSOURI

LOCATION: 2336' FWL 894' FSL

SEC 34 TWP 36N RGE 33W

OTHER SERVICES:

PERMANENT DATUM	G.L.	ELEV. 765.1'	ELEV. K.B.
LOG MEASURED FROM	G.L.	FT. ABOVE PERM. DATUM	D.F.
DRILLING MEASURED FROM	G.L.		G.L. 765.1'

DATE	11-16-84
RUN NO.	1 NW
TYPE LOG	SONIC BOND
DEPTH—DRILLER	
DEPTH—LOGGER	147.5'
BOTTOM LOGGED INTERVAL	143.5'
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		

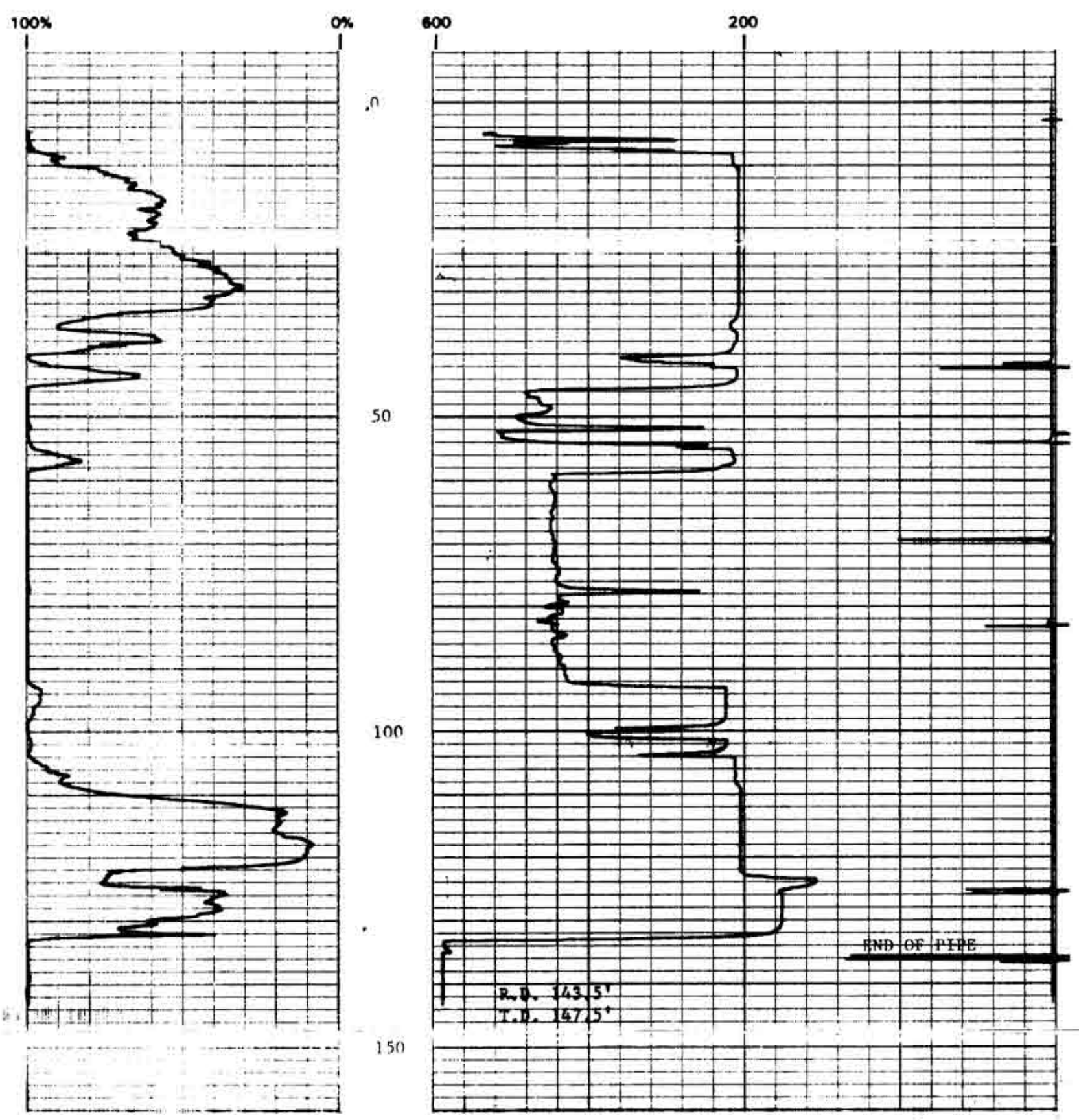
REFERENCE LITERATURE

REMARKS

DRILLING CONTRACTOR:

GEOLOGIST:

SONIC BOND LOG



NO. N15A

CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

NOVEMBER 16, 1984

11-16-84 SBL

34-36N-33W