601644

Permit # 21238

BRUNING 40-105 48414

CORNISH

WIRELINE SERVICES, INC.
P.O. DRAWER H
PHONE 431-9308
CHANUTE, KANSAS

FILING NO

COMPANY CARMEL ENERGY, INC.

WELL I F-45

FIELD

COUNTY VERNON STATE MISSOURI

LOCATION 1465' FSL 669' FWL

SEC 31 TWP 36N RGE 33W

OTHER SERVICES BOND 10-22-82

PERMANENT DATUM G.L. ELEV 770.4'
LOG MEASURED FROM G.L. FT ABOVE PERM DATUM
DRILLING MEASURED FROM G.L.

ELEV K.B. D.F. G.L. 770.4'

DATE	11-8-82
RUN NO	2 NW
TYPE LOG	CALIPER
DEPTH—DRILLER	
DEPTH—LOGGER	203.6'
BOTTOM LOGGED INTERVAL	203.2'
TOP LOGGED INTERVAL	84.0'
TYPE FLUID IN HOLE	WATER
SALINITY, PPM CL	
DENSITY	
LEVEL	FULL
MAX. REC. TEMP., DEG F.	
OPERATING RIG TIME	
RECORDED BY	UDEN, D.
WITNESSED BY	YOUNG, V.

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
		0	T.D.

RECEIVED
NOV 12 1982
MO OIL & GAS COUNCIL

THIS HEADING AND LOG CONFORM TO API RP 33

EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO	2 NW		RUN NO		
TOOL MODEL NO	1 CAL.		LOG TYPE		
DIAMETER	3½"		TOOL MODEL NO		
DETECTOR MODEL NO			DIAMETER		
TYPE			DETECTOR MODEL NO		
LENGTH			TYPE		
DISTANCE TO N. SOURCE			LENGTH		
			SOURCE MODEL NO		
GENERAL			SERIAL NO		
HOIST TRUCK NO	104		SPACING		
INSTRUMENT TRUCK NO	104		TYPE		
TOOL SERIAL NO	CALIPER		STRENGTH		

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC	SENS. SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV	T.C. SEC	SENS. SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV
1	203.6'	84.0'									

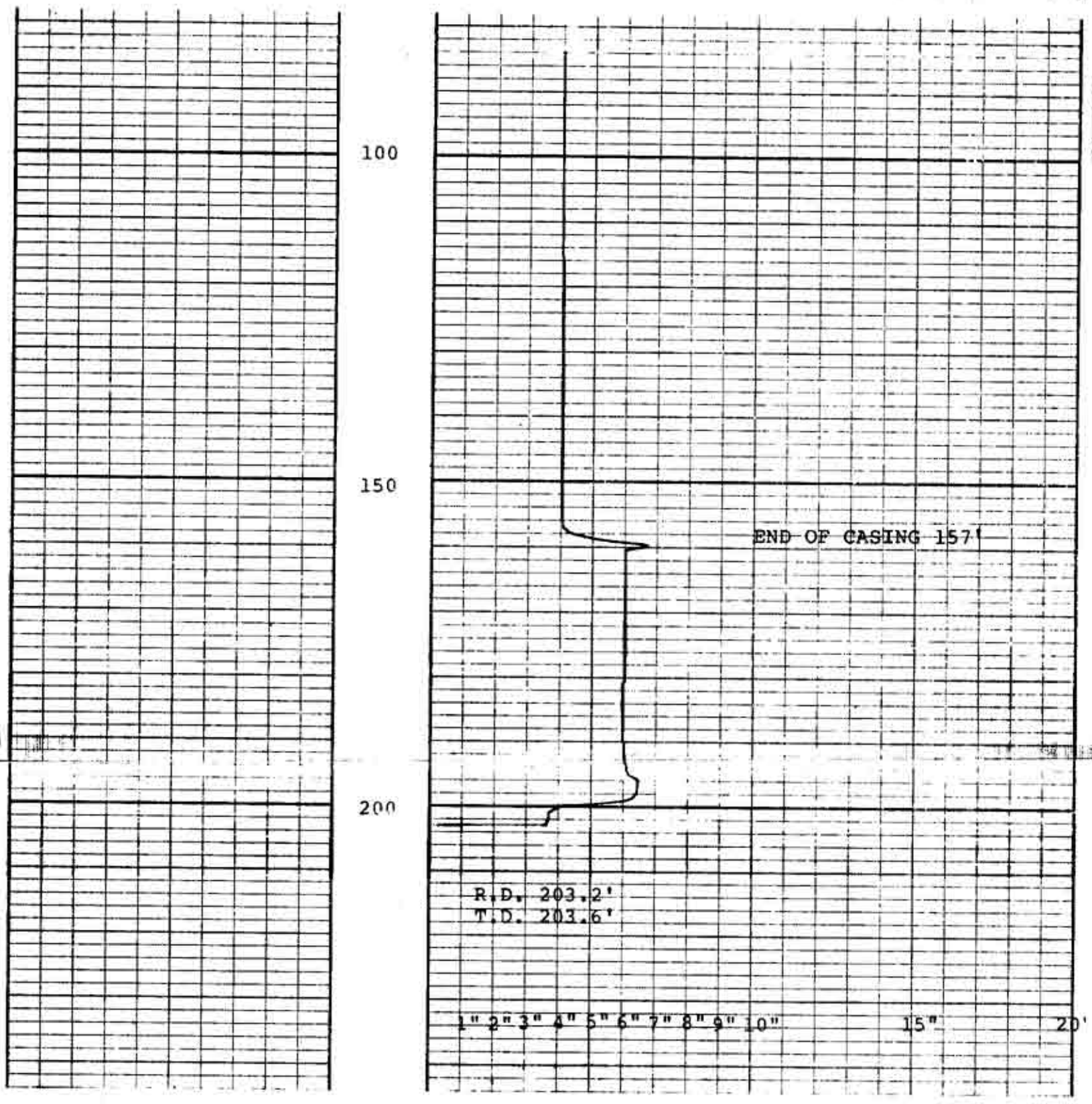
REFERENCE LITERATURE

REMARKS

GAMMA RAY — API UNITS

DEPTH AND CASING COLLARS

NEUTRON — API UNITS



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CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

NOVEMBER 8, 1982

CALIPER LOG