G026448 CONFIDENTIAL RELEASED 1-25-86 OGC # 21850

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MIDWEST SURVEYS
LOGGING • PERFORATING • CONSULTING SERVICES
Paola, Kansas 66071
Box 528
913/294-4326

FILING NO.

COMPANY CARMEL ENERGY, INC.
WELL NO. IF-N77L
FIELD IDA FAUVERGUE LEASE
COUNTY VERNON STATE MISSOURI
LOCATION: 5880.0 FWL - 1408.0 FNL
SEC 33 TWP 35N RGE 33W

PERMANENT DATUM: G.L. ELEV. 796.2
LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

ELEV.: K.B. NA
D.F. NA
G.L. 796.2

OTHER SERVICES:
CCL
PERFORATE

DATE	11-25-85	11-25-85
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	NA	NA
DEPTH—LOGGER	145.0	145.0
BOTTOM LOGGED INTERVAL	136.2	144.0
TOP LOGGED INTERVAL	0.0	8.0
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL	NA	NA
DENSITY	NA	NA
LEVEL	FULL	FULL
MAX. REC. TEMP., DEG F.	NA	NA
OPERATING RIG TIME	NA	NA
RECORDED BY	E. PRATT	E. PRATT
WITNESSED BY	G. STUESS	G. STUESS

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
4½"		0.0	T.D.

MEETS OR EXCEEDS REQUIREMENTS OF API RP 33

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	1 NW	RUN NO.	1 NW
TOOL MODEL NO.	102	LOG TYPE	NEU/NEU
DIAMETER	1 11/16"	TOOL MODEL NO.	102
DETECTOR MODEL NO.	E-1057	DIAMETER	1 11/16"
TYPE	SCINT.	DETECTOR MODEL NO.	E-1031
LENGTH	1" x 4"	TYPE	HE-3
DISTANCE TO N. SOURCE	8.0	LENGTH	1" x 6"
		SOURCE MODEL NO.	71-1
GENERAL		SERIAL NO.	71-1-355B
HOIST TRUCK NO.	NA	SPACING	13"
INSTRUMENT TRUCK NO.	102	TYPE	Am241Be
TOOL SERIAL NO.	MS-0001	STRENGTH	3 CI

LOGGING DATA

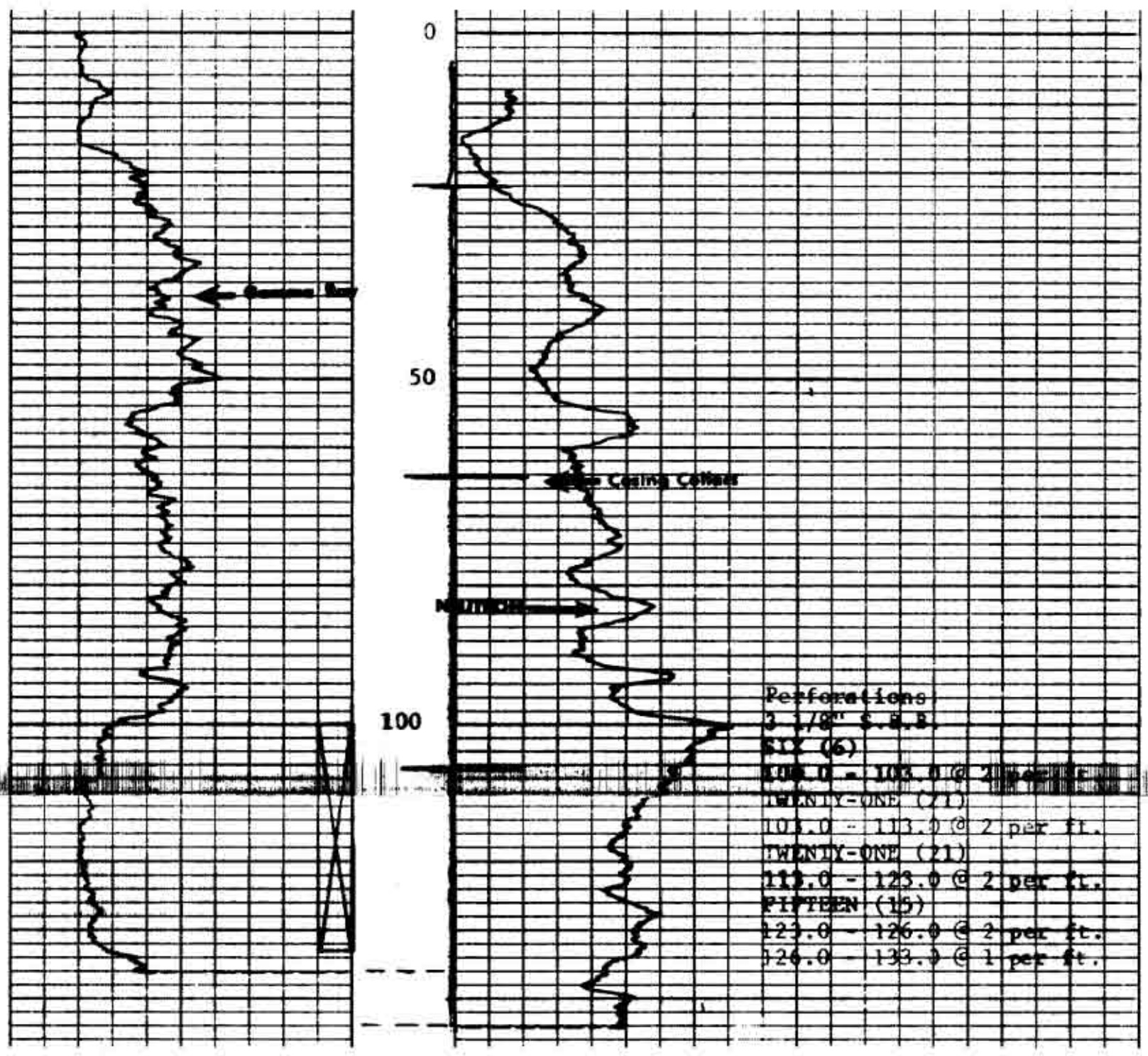
GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1NW	0.0	145.0	20	4.0	185/100	0L	10	4.0	135/100	0L	20

REFERENCE LITERATURE: 4½" - CEMENTED

REMARKS

NSCO 16240

GAMMA RAY DEPTH NEUTRON
CASING
COLLARS



COMPANY	Carmel Energy, Inc.	GAMMA RAY	T.D.	145.0
WELL	No. IF-N77L	GAMMA RAY	R.D.	136.0
LEASE	Ida Fauvergue	NEUTRON	T.D.	145.0
COUNTY	Vernon Co., Missouri	NEUTRON	R.D.	144.0
DATE	November 25, 1985	CASING SET @		T.D.