G01367

MIDWEST SURVEYS

LOGGING • PERFORATING • CONSULTING SERVICES

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913 883-4799

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P.O. Box 11598
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FILING NO.

COMPANY HNG FOSSIL FUELS CO.

WELL NO. 1

FIELD J. HUGHES LEASE

COUNTY VERNON COUNTY, MO

RELEASED

LOCATION: 165.0 FWL 165.0 FNL NW-NW-NW

SEC 30 TWP 37N RGE 33W

OTHER SERVICES: 2CC

PERMANENT DATUM G.L. ELEV. 803.2
LOG MEASURED FROM G.L. FT ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

ELEV.: K.B. NA
D.F. NA
G.L. 803.2

DATE	3-12-81	3-12-81
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	156.7	156.7
DEPTH-LOGGER	151.5	151.5
BOTTOM LOGGED INTERVAL	146.0	150.5
TOP LOGGED INTERVAL	10.0	14.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY PPM CL		
DENSITY		
LEVEL	FULL	FULL
MAX REC. TEMP. DEG F		
OPERATING RIG TIME		
RECORDED BY	PRATT	PRATT
WITNESSED BY		

RECEIVED
SEP 20 1982
MO. OIL & GAS COUNCIL

BORE-HOLE RECORD

RUN NO	BIT	FROM	TO

CASING RECORD

SIZE	WGT	FROM	TO
		O/H	

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO	1 NW	RUN NO	1 NW
TOOL MODEL NO	104	LOG TYPE	Neu/Neu
DIAMETER	1 11/16"	TOOL MODEL NO	104
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	4.5	LENGTH	1" x 6"
		SOURCE MODEL NO	71-1
		SERIAL NO	71-1-354B
		SPACING	13"
		TYPE	AM241BE
		STRENGTH	3 CI

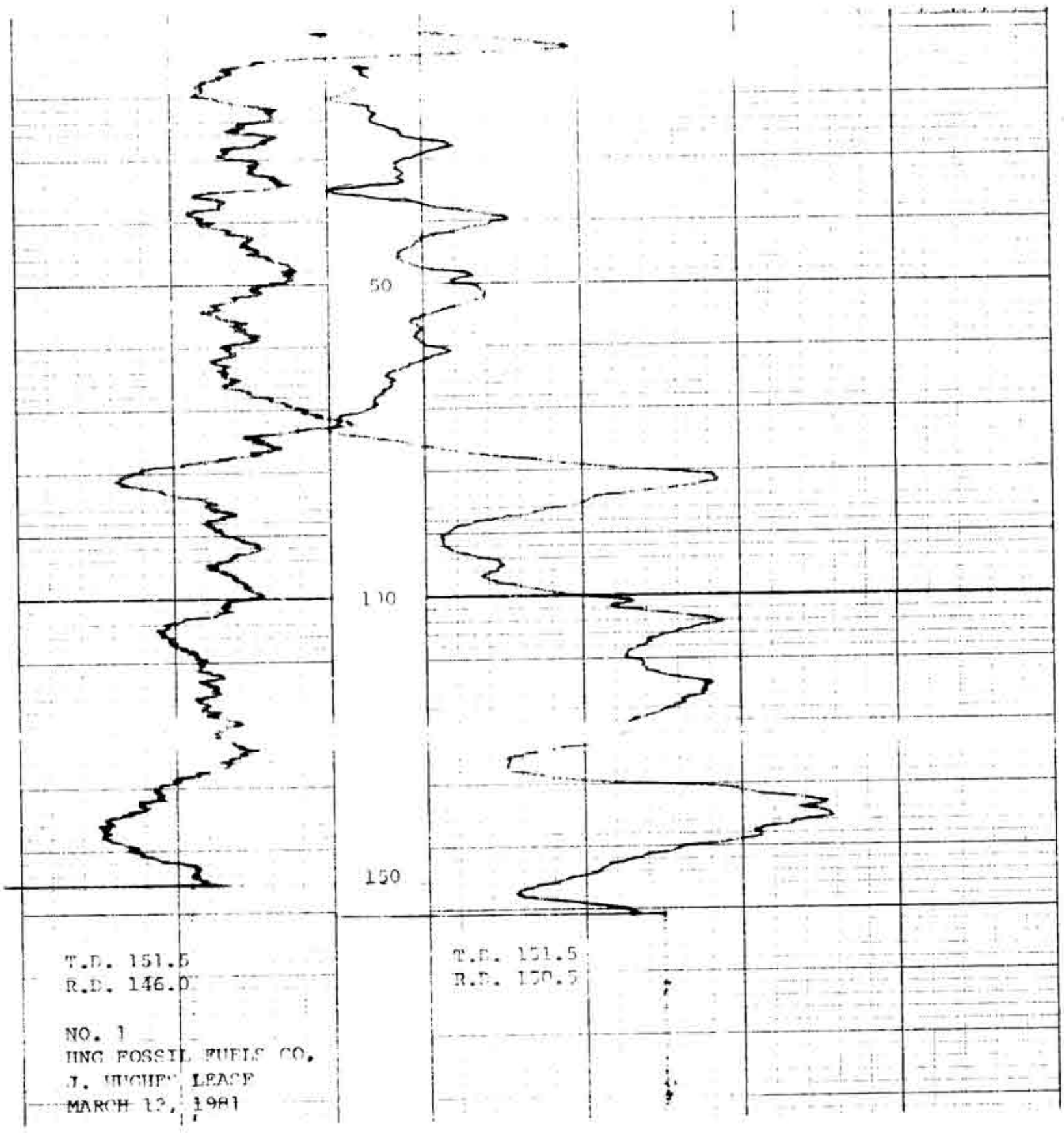
GENERAL	
HOIST TRUCK NO	NA
INSTRUMENT TRUCK NO	104
TOOL SERIAL NO	MS-0001

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	10.0	150.5	25	3.0	600/100	2L	10	3.0	200/100	7L	20

REFERENCE LITERATURE O/H = NOT CEMENTED

REMARKS D.C. = TEST DRILLING SERVICE

GAMMA RAY DEPTH NEUTRON

CASING
COLLARS