GCC(19)

Permit #20245

ENERGY RESOURCES, INC.

P.O. BOX 1213
INDEPENDENCE, MO. 64051
(816) 252-5080
TWX 910-771-2087

RUN NO. 1

COMPANY: OTTO CREEK COMPANY

WELL: NO. 4

FIELD: HARDNER LEASE

COUNTY: JACKSON STATE: MISSOURI

LOCATION: 2310 FSL 2310 FWL

SEC. 6 TWP. 48 RGE. 32W

PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DRILLING MEASURED FROM: GL

ELEV.: K.B. N/A
D.F. N/A
G.L. N/A

FT. ABOVE PERM. DATUM

DATE: 11-25-81
RUN NO.: ONE
TYPE LOG: GAMMA RAY NEUTRON
DEPTH-DRILLER: 517.0
DEPTH-LOGGER: 517.1
BOTTOM LOGGED INTERVAL: 517.1
TOP LOGGED INTERVAL: 0.0
CASING-DRILLER: 4.5
CASING-LOGGER: WATER
BIT SIZE: 18.0
TYPE FLUID IN HOLE: WATER
DENSITY: 18.0
LEVEL: FULL
MAX. REC. TEMP. DEG. F.
EQUIPMENT NO. LOCATION: HUGHSAN
RECORDED BY: HUGHSAN
WITNESSED BY: HUGHSAN

CASING RECORD

SIZE	WGT.	FROM	TO
2 3/8"		0.0	T.D.

BORE-HOLE RECORD

BIT NO.	SIZE	FROM	TO

CONTRACTOR: H & H DRILLING

RIG NO.: 4

JOB NO. 2-038
Jobs 225

RECEIVED
JUN 00 1982
DEPT. OF NATURAL RESOURCES

Dan H. Enterprises Inc.
Oil & Mineral Exp.
Box 1213
Independence, Mo. 64051

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.	705	LOG TYPE	NEU/BHT
DIAMETER	1 11/16"	TOOL MODEL NO.	705
DETECTOR MODEL NO.	705-GE	DIAMETER	1 11/16"
TYPE	GEIGER	DETECTOR MODEL NO.	705 HE-3
LENGTH	1 3/8x18"	TYPE	HE
DISTANCE TO H. SOURCE	4.5	LENGTH	1" x 6"
		SOURCE MODEL NO.	71-1
GENERAL		SERIAL NO.	71-L-335G
HOIST TRUCK NO.	0020	SPACING	13"
INSTRUMENT TRUCK NO.	0020	TYPE	AMBR-241
DOCK SERIAL NO.	0002	STRENGTH	3 CT

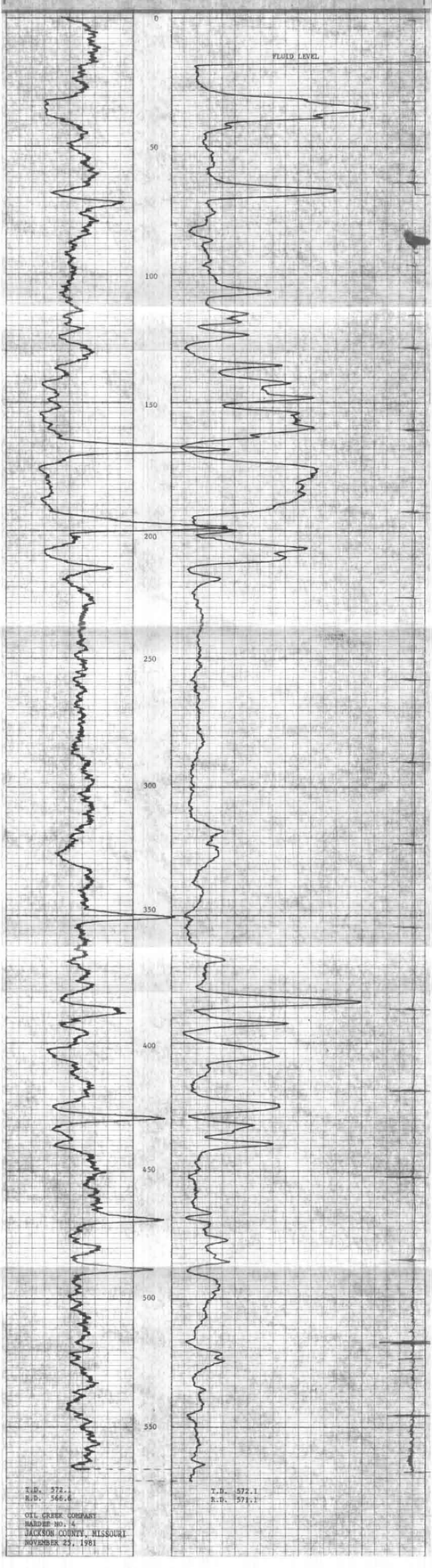
LOGGING DATA

GENERAL						GAMMA RAY			NEUTRON		
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC.	SENS. SETTINGS	ZERO DIV. I OR S	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. I OR S	API N. UNITS PER LOG DIV.
1	0.0	T.D.	20	3.0	100/060	2-1	10	3.0	300/100	0	20

REFERENCE LIBERATURE: 2 3/8" - NOT CEMENTED
517.0 - SEATING NIPPLE

REMARKS: DRILLING CONTRACTOR: H & H DRILLING

GAMMA RAY | DEPTH | NEUTRON | CASING COLLARS



T.D. 572.
R.D. 566.6

T.D. 572.1
R.D. 571.1

OTT CREEK COMPANY
HARDNER NO. 4
JACKSON COUNTY, MISSOURI
NOVEMBER 25, 1981