6C0668 Permit 28-20273

ENERGY RESOURCES, INC.

Paola, Kansas 66071
913.294.2096
913.294.9050
Lawrence, Kansas 66044
1203 Iowa
913.841.8880

FILING NO.

COMPANY CLARK R. HUGHES

WELL 52-I

FIELD MERRIVALE

COUNTY JACKSON, MISSOURI

LOCATION 2904.2 FSL 1738 FEL

SEC 33 TWP 47 RGE 33

OTHER SERVICES: CCL

RECEIVED JUN 10 1982 MO. OIL & GAS COUNCIL

PERMANENT DATUM GL ELEV. 1018.2 ELEV.: K.B. N/A

LOG MEASURED FROM GL FT. ABOVE PERM. DATUM D.F. N/A

DRILLING MEASURED FROM GL G.L. N/A

RELEASED

DATE	4-7-81	4-7-	
RUN NO	I BV	I BV	
TYPE LOG	GAMMA RAY	NEUTRON	
DEPTH-DRILLER	604.0	604.0	
DEPTH-LOGGER	599.5	603.0	
BOTTOM LOGGED INTERVAL	599.5	603.0	
TOP LOGGED INTERVAL	0.0	0.0	
TYPE FLUID IN HOLE	WATER	WATER	
SALINITY PPM Cl			
DENSITY			
LEVEL	FULL	FULL	
MAX. REC. TEMP. DEG F			
OPERATING RIG TIME			
RECORDED BY	NEUMAN	NEUMAN	
WITNESSED BY			

RUN NO	BIT	BOREHOLE RECORD FROM	TO	CASING RECORD SIZE	WGT	FROM	TO
I				4"		0	T.D.

THIS INFORMATION CONFIDENTIAL UNTIL JAN 20 '83

EQUIPMENT DATA

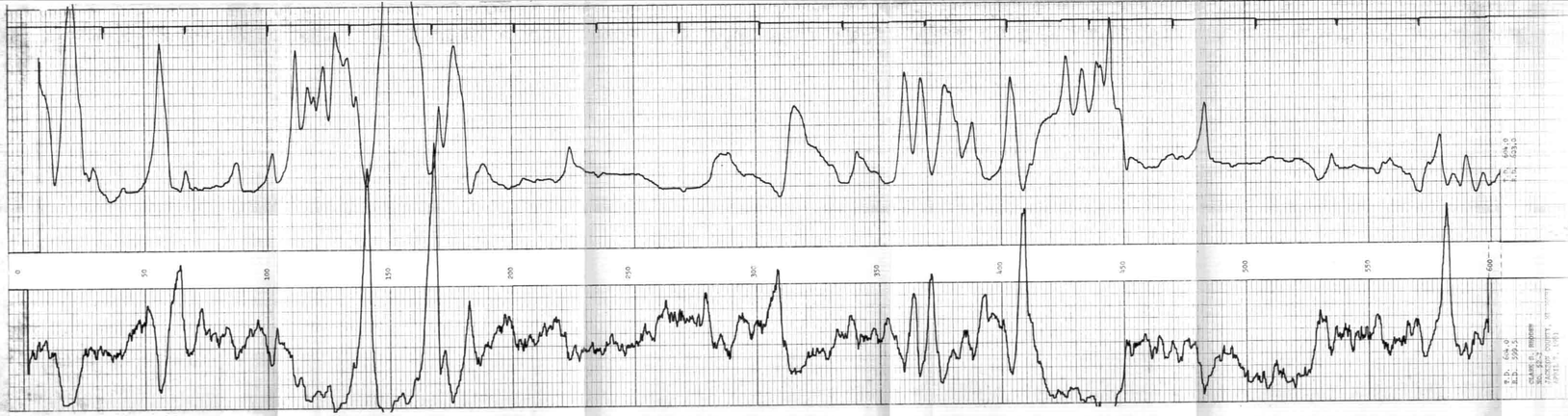
GAMMA RAY		NEUTRON	
BOX NO.	3.3BV	BOX NO.	1 BV
TOOL MODEL NO.	5-4-1/2"	TOOL MODEL NO.	1.5BV/BB
DIAMETER	4-1/2"	DIAMETER	1-5/8"
DETECTOR MODEL NO.	1-3/4"x12"	DETECTOR MODEL NO.	1-5/8"x12"
LENGTH	12'	LENGTH	12'
DISTANCE TO SOURCE	1.3'x12"	TYPE	1.3'x12"
		SOURCE MODEL NO.	1.3'x12"
		SOURCE	1.3'x12"
		DISTANCE TO DETECTOR	1.3'x12"
GENERAL		GENERAL	
UNIT TRUCK NO.	0000	UNIT TRUCK NO.	0000
INSTRUMENT TRUCK NO.	0000	INSTRUMENT TRUCK NO.	0000
TOOL SERIAL NO.	0000	TOOL SERIAL NO.	0000

LOGGING DATA

GAMMA RAY		NEUTRON	
SPEED		SPEED	
FT/MIN	30	FT/MIN	30
T.C.	3.0	T.C.	3.0
SENS.		SENS.	
SETTINGS	5	SETTINGS	5
SPEED		SPEED	
FT/MIN	30	FT/MIN	30
T.C.	3.0	T.C.	3.0
SENS.		SENS.	
SETTINGS	5	SETTINGS	5
API GR UNITS		API GR UNITS	
ZERO	0	ZERO	0
DIV. / GR.	20	DIV. / GR.	20
FM LOG DIV.	100	FM LOG DIV.	100
API GR UNITS		API GR UNITS	
ZERO		ZERO	
DIV. / GR.		DIV. / GR.	
FM LOG DIV.		FM LOG DIV.	

REFERENCE LITERATURE

REMARKS

FIELD TICKET

GAMMA RAY DEPTH NEUTRON CASING COLLARS