Page 3 #20183

ENERGY RESOURCES, INC.

PLANO, TEXAS 75074 · P.O. BOX 1369 · (214) 424-8092
Cable Address: ERI PLANO
Telex 73-0884 · (713) 961-9080

PLANO NO.

COMPANY W.P. MOORE, INC.
WELL ASTRE #1
FIELD Cass
COUNTY JACKSON COUNTY, MISSOURI
LOCATION 2,567'FSL 1,665'FWL
SEC. 10 TWP. 48N RGE. 33W
PERMANENT DATUM GL
LOG MEASURED FROM GL
DRILLING MEASURED FROM GL
ELEV. K.B. N/A
D.F. N/A
G.L. N/A
API NO. 47-095-10143
ST. NO. 15 TWN. 48 RNG. 33 SECTION

RECEIVED
JUN 08 1982
MO. OIL & GAS COUNCIL

OTHER SERVICES
CNL

DATE	5-6-81	5-8-81	
RUN NO.	1 NW	2 NW	
DEPTH-DRILLER	670.7	670.7	
DEPTH-LOGGER	666.2	669.7	
BTM. LOG INTERVAL	666.2	669.7	
TOP LOG INTERVAL	SURFACE	SURFACE	
TYPE FLUID IN HOLE	WATER	WATER	
SALINITY PPM Cl			
DENSITY	FULL	FULL	
LEVEL			
MAX. REC. TEMP. DEG. F			
EQUIPMENT NO.	NORMAN	NORMAN	
RECORDED BY			
WITNESSED BY			

BORE-HOLE RECORD

BIT NO.	FROM	TO	SIZE
1	0	T.D.	2 3/8"

CASING RECORD

WGT.	FROM	TO	SIZE
	0	T.D.	

GAMMA RAY

NEUTRON

RELEASED

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	NZU/NZU
DIAMETER	1 11/16"	TOOL MODEL NO.	705
DETECTOR MODEL NO.	705-GE	DIAMETER	1 11/16"
TYPE	GM10BR	DETECTOR MODEL NO.	705 NE-3
LENGTH	1 3/8x18"	TYPE	NE
DISTANCE TO N. SOURCE	4.5	LENGTH	1"x6"
		SOURCE MODEL NO.	71-1
GENERAL		SERIAL NO.	71-1-5668
HOIST TRUCK NO.	0036	SPACING	13"
INSTRUMENT TRUCK NO.	0036	TYPE	AMBP-241
TOOL SERIAL NO.	0002	STRENGTH	5 CI

LOGGING DATA

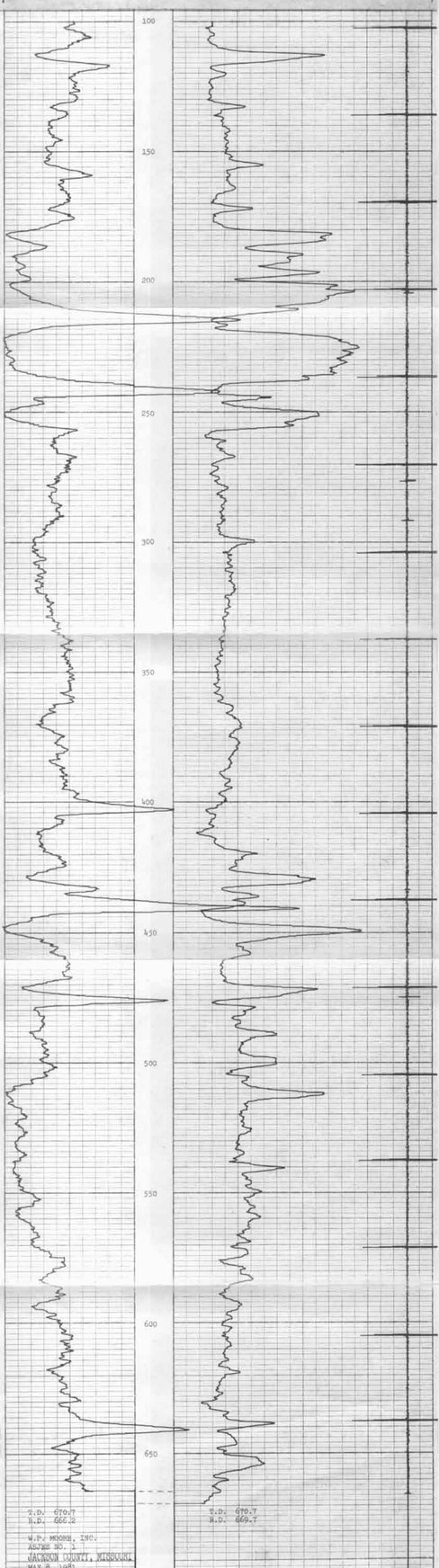
GENERAL RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC.	SENS. SETTINGS	GAMMA RAY ZERO DIV. 1 OR 8	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	NEUTRON ZERO DIV. 1 OR 8	API N. UNITS PER LOG DIV.
1	0	T.D.	20	4	95/100	3-8	10	4	100/500	3-7	20

REFERENCE LITERATURE:

REMARKS: DRILLING CONTRACTOR: H & H DRILLING

NOTE TO:

GAMMA RAY DEPTH NEUTRON CASING COLLARS



T.D. 670.7
H.D. 666.2

W.P. MOORE, INC.
ASTRE NO. 1
JACKSON COUNTY, MISSOURI
MAY 8, 1981

T.D. 670.7
H.D. 669.7