G00161

Permit #20208

ENERGY RESOURCES, INC.

Pawnee Rockers Office
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913-234-5382

Lawrence Kansas Office
1533 Iowa
913-841-3846

RECEIVED
JUN 26 1981
MO. OIL & GAS COUNCIL

RELEASED

RUNG NO.

COMPANY: CLARK E. SHOBEN
WELL: NO. 72 WD
FIELD: CLARK E. SHOBEN
COUNTY: JACKSON - MISSOURI

LOCATION: OGC #20208
1320' FSL + 1320' FEL
SEC. 28 TWP. 47N RGE. 33W

OTHER SERVICES:

PERMANENT DATUM: G.Lev. ELEV. N/A
LOG MEASURED FROM: G.Lev. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: G.Lev.

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

DATE	11-15-80	11-15-80
RUN NO.	1	1
TYPE LOG	GAMMA RAY	NEUTRON
DRILL. MEASURED FROM	G.LEV.	G.LEV.
DEPTH - DRILLER	553.1	553.1
BOTTOM LOGGED INTERVAL	553.0	551.0
TOP LOGGED INTERVAL	100.0	100.0
TYPE FLUID IN HOLE	WATER	WATER
SALINITY PPM CL		
DENSITY		
LEVEL	FULL	FULL
MAX. REC. TEMP. DEG. F		
OPERATING REG. TIME		
RECORDED BY	PLATT	PLATT
WITNESSED BY		

BORE HOLE RECORD					CASING RECORD			
NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
				8 3/4"		0	3.2'

EQUIPMENT DATA

GAMMA RAY	RUN 1	NEUTRON	RUN 1
RUN NO.	1	RUN NO.	1
LOG DRIVE	DC	LOG DRIVE	DC
TOOL MODEL NO.	703-1-2-A	TOOL MODEL NO.	703-1-2-A
DETECTOR MODEL NO.	1-1/4" x 4-1/4" (DC)	DETECTOR MODEL NO.	1-1/4" x 4-1/4" (DC)
TYPE	Na.I.	TYPE	Na.I.
SCINTILLATOR CRYSTAL		COUNT RATE MODEL NO.	
		SERIAL NO.	
		PHOTO TUBE	
		RESOLUTION	
SHOP TRUCK NO.	0010		
INSTRUMENT TRUCK NO.	0010		
TOOL SERIAL NO.	0002		

COUNTER

GAMMA RAY	RUN 1	NEUTRON	RUN 1
COUNTER		COUNTER	
DETECTOR MODEL NO.		DETECTOR MODEL NO.	1-1/4" x 4-1/4"
TYPE		TYPE	Na.I.
SCINTILLATOR CRYSTAL		COUNT RATE MODEL NO.	
		SERIAL NO.	
		PHOTO TUBE	
		RESOLUTION	
SHOP TRUCK NO.			
INSTRUMENT TRUCK NO.			
TOOL SERIAL NO.			

COUNTING DATA

GAMMA RAY	RUN 1	NEUTRON	RUN 1
COUNTING		COUNTING	
SCALE	1	SCALE	1
TIME CONSTANT	3	TIME CONSTANT	3
SPEED	20	SPEED	20
SENSITIVITY	2.20/0.02	SENSITIVITY	1.30
SPEED	20	SPEED	20
SENSITIVITY	2.20/0.02	SENSITIVITY	1.30
SPEED		SPEED	
SENSITIVITY		SENSITIVITY	

GAMMA RAY	RUN 1	NEUTRON	RUN 1
API U.S. UNITS PER LOG DIV.	10	API U.S. UNITS PER LOG DIV.	20
T.C. SECS.	3	T.C. SECS.	3
SENS. CPS/DIV.	0.02	SENS. CPS/DIV.	1.30
SENS. CPS/DIV.	0.02	SENS. CPS/DIV.	1.30
SENS. CPS/DIV.		SENS. CPS/DIV.	
SENS. CPS/DIV.		SENS. CPS/DIV.	

GAMMA RAY	RUN 1	NEUTRON	RUN 1
API U.S. UNITS PER LOG DIV.	20	API U.S. UNITS PER LOG DIV.	20
T.C. SECS.	3	T.C. SECS.	3
SENS. CPS/DIV.	0.02	SENS. CPS/DIV.	1.30
SENS. CPS/DIV.	0.02	SENS. CPS/DIV.	1.30
SENS. CPS/DIV.		SENS. CPS/DIV.	
SENS. CPS/DIV.		SENS. CPS/DIV.	

DETECTOR LOCATION: 1.7"

REMARKS: DETAILED COMPARISON: MOODY INSTALLING COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS