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MIDWEST SURVEYS

LOGGING & PERFORATING • CONSULTING SERVICES

Perm # 20265

RUN NO.

COMPANY EMERY ENERGY CORP.

WELL NO. R-1

FIELD RICHMAN LEASE

COUNTY CASS COUNTY, MO

LOCATION 2478 FSL & 2384 FEL

SEC 20 TWP 45N RGE 31W

PERMANENT DATUM G.L. ELEV. NA

LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM NA

DRILLING MEASURED FROM G.L. NA

RUN NO.	DATE	TYPE LOG	DEPTH-DRILLER	DEPTH-LOGGER	BOTTOM LOGGED INTERVAL	TOP LOGGED INTERVAL	TYPE FLUID IN HOLE	DENSITY	LEVEL	MAX. REC. TEMP.	OPERATING RIG TIME	RECORDED BY	WITNESSED BY
1	2-12-82	GAMMA RAY	NA	705.0	702.5	0.0	WATER	NA	FULL	NA	NA	BEM ROBSON	RICHMAN
2	2-12-82	NEUTRON	NA	705.0	702.5	0.0	WATER	NA	FULL	NA	NA	BEM ROBSON	RICHMAN
3	2-12-82	TEMPERATURE	NA	705.0	702.5	0.0	WATER	NA	FULL	54°	NA	BEM ROBSON	RICHMAN

BORE HOLE RECORD

BIT SIZE	FROM	TO
6 7/8	0.0	705.

CASING RECORD

SIZE	WGT.	FROM	TO
7"		0.0	22.

OTHER SERVICES CCL TEMPERATURE

RECEIVED DEC 22 1986 MO. Oil & Gas Council Economic Geology

60810

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO	1 NGX	RUN NO	1 NGX
TOOL MODEL NO	705 G	LOG TYPE	NEU/NEU
DIAMETER	1 11/16"	TOOL MODEL NO	705 G
DETECTOR MODEL NO	700 GR	DIAMETER	1 11/16"
TYPE	GEIGER	DETECTOR MODEL NO	705 HE3
LENGTH	1 6" X 10"	TYPE	HE3
DISTANCE TO N. SOURCE	34.2	LENGTH	1 x 6"
		SOURCE MODEL NO	71-1
		SERIAL NO	11-1-354B
		SPACING	13"
		TYPE	AMBE-241
		STRENGTH	2 CI

GENERAL	
HOIST TRUCK NO	NA
INSTRUMENT TRUCK NO	104
TOOL SERIAL NO	MS-0004

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	150.0	702.5	20	1.0	500/100	2L	10	.0	600/100	3L	20

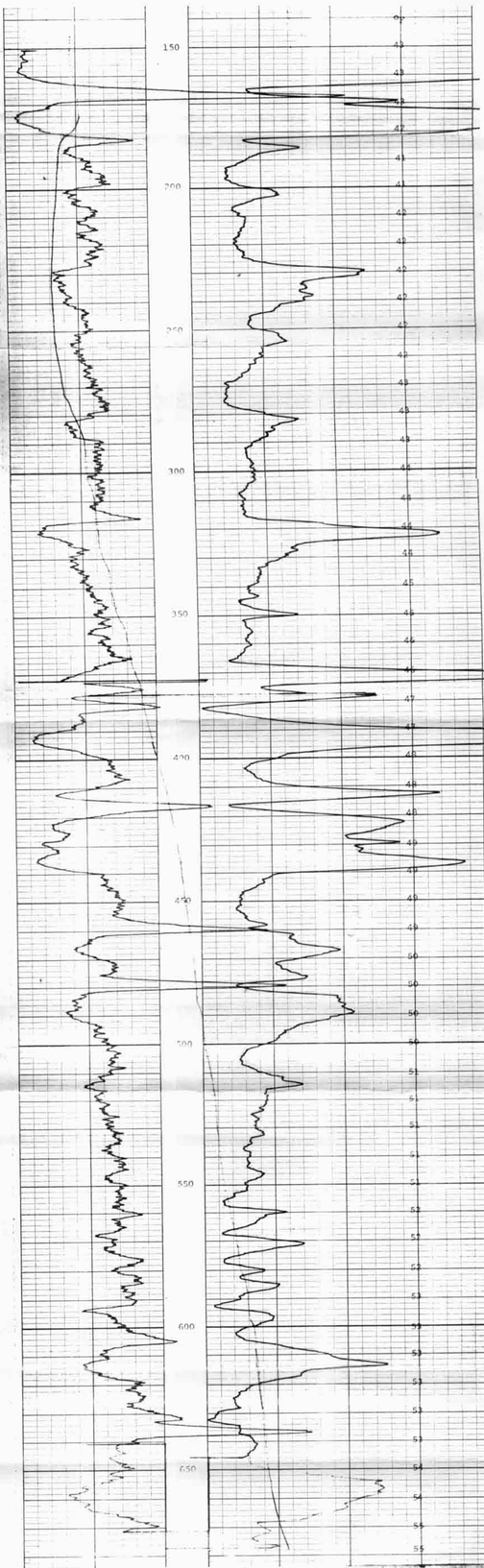
REFERENCE LITERATURE O.H - NOT CEMENTED

REMARKS D.F. H & H DRILLING

NSCO 18240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS



COMPANY Emery Energy Corp.

WELL No. R-1

LEASE Rickman

COUNTY Cass - MO

DATE February 12, 1982

GAMMA RAY T.D 677.5

GAMMA RAY R.D. 622.0

NEUTRON T.D. 677.5

NEUTRON R.D. 676.5

CASIN SET @ NA