MIDWEST SURVEYS JUL 30 1999
LICENSED, CERTIFIED WELL LOGGING & PERFORATING
P.O. BOX 1129
Liberal, Kansas 67901
Oil & Gas Council

FILING NO.

COMPANY D.E. Exploration Inc.
WELL CB-3-A
FIELD Clark - Berry
COUNTY Cass STATE Missouri
LOCATION API# 20667
SEC 16 TWP 40S RGE 33W
2475 FSL 1035 FEL
COORDINATES APPROXIMATE

PERMANENT DATUM G.L. ELEV. NA
LOG MEASURED FROM G.L. 0 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L. ELEV.: K.B. NA D.F. NA G.L. NA

DATE 4/1/99
TYPE LOG GAMMA RAY NEUTRON
DEPTH-DRILLER 625.0 625.0
DEPTH-LOGGER 616.0 624.0
BOTTOM LOGGED INTERVAL 616.0 624.0
TOP LOGGED INTERVAL 10.0 18.0
CASING-DRILLER NA NA
CASING-LOGGER NA NA
BIT SIZE NA NA
TYPE FLUID IN HOLE NA NA
DENSITY / VISC. NA NA
PH / FLUID LOSS NA NA
MAX. REC. TEMP. DEG. F NA NA
OPERATING RIG TIME NA NA
RECORDED BY M. Kimbrell M. Kimbrell
WITNESSED BY M. Kimbrell M. Kimbrell

BORE HOLE RECORD

RUN NO.	BIT FROM	TO	SIZE	WGT.	FROM	TO
	4 1/2				0.0	

CASING RECORD

SIZE	WGT.	FROM	TO
		0.0	T.D.

FOLD HERE — THIS HEADING AND LOG CONFORMS TO API RP 31

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	1 NN	RUN NO.	1 NN
TOOL MODEL NO.	102	LOG TYPE	NPH/NEU
DIAMETER	1 11/16"	TOOL MODEL NO.	102
DETECTOR MODEL NO.	E-1037	DIAMETER	1 11/16"
TYPE	SCINT.	DETECTOR MODEL NO.	E-1032
LENGTH	1' 2 4"	TYPE	RF-3
DISTANCE TO N. SOURCE	8.0	LENGTH	1' 2 6"
GENERAL		SOURCE MODEL NO.	71-1
HOIST TRUCK NO.	NA	SERIAL NO.	71-1-1558
INSTRUMENT TRUCK NO.	102	SPACING	13"
TOOL SERIAL NO.	3S-0001	TYPE	AP2241RE
		STRENGTH	5 CT

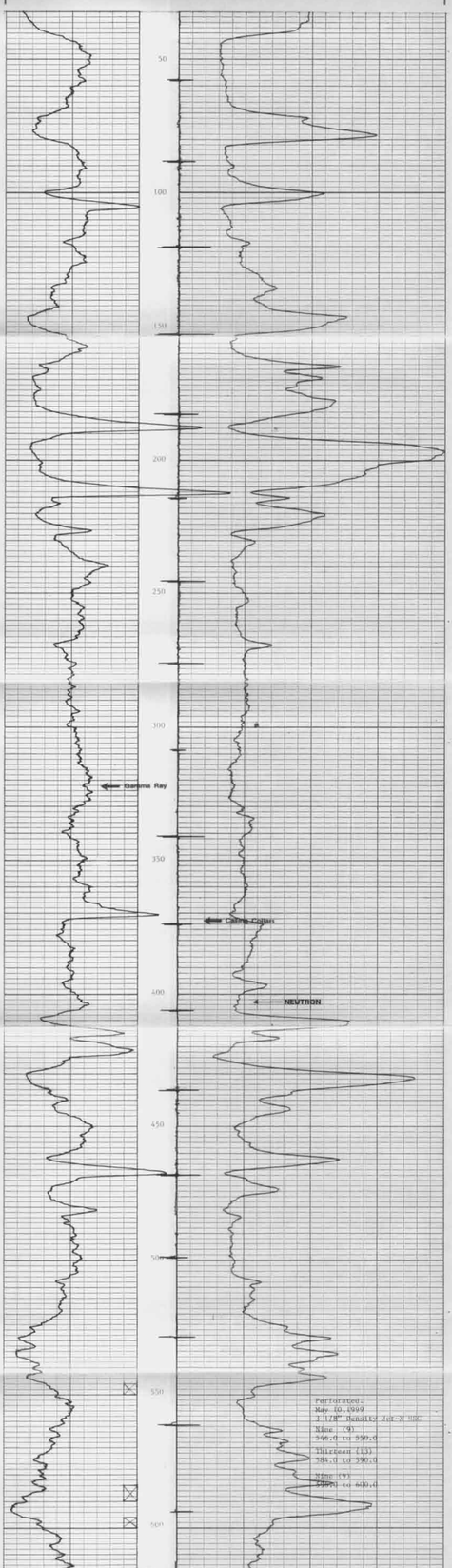
LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	TO	SPEED FT./MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV. I OR R	API G R UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. I OR R	API N UNITS PER LOG DIV.
1	10.0	624.0	20	4.0	1.65/100	0L	10	4.0	1.35/100	0L	20

REFERENCE LITERATURE 4 1/2 - Cemented

REMARKS D.E. Hughes Drilling Company

GAMMA RAY DEPTH NEUTRON
CASING
COLLARS



COMPANY	D.E. Exploration Inc.	GAMMA RAY T.D.	625.0
WELL	CB - 3 - A	GAMMA RAY R.D.	616.0
LEASE	Clark - Berry	NEUTRON T.D.	625.0
COUNTY	Cass County	NEUTRON R.D.	624.0
DATE	4/1/99	CASING SET @	4 1/2 - T.D.