037-20702

MIDWEST SURVEYS
Logging Instrument Rentals
Phone Kansas 561
Box 1 Rt. 2
Pittsburg, Kansas

FILING NO.

PERMIT # 20703

COMPANY: D.K. Exploration, Inc.
WELL: No. BI-5
FIELD: Belton Unit
COUNTY: Cass
STATE: Missouri

LOCATION: 4450 FSL - 3190 FEL
SEC. 9 TWP. 46n RGE. 33w

OTHER SERVICES: CCL Perforate

PERMANENT DATUM	Gr.Lv.	ELEV.	SA
LOG MEASURED FROM	Gr.Lv.	FT. ABOVE PERM. DATUM	ELEV. K.B. SA
DRILLING MEASURED FROM	Gr.Lv.		D.F. SA
			G.L. SA

DATE	3-27-2001	3-27-2001	
RUN NO.	1 NW	1 NW	
TYPE LOG	Gamma Ray	Neutron	
DEPTH - DRILLER	NA	NA	
DEPTH - LOGGER	633.0	637.0	
BOTTOM LOGGED INTERVAL	628.0	636.0	
TOP LOGGED INTERVAL	20.0	28.0	
TYPE FLUID IN HOLE	Water	Water	
SALINITY PPM CL	NA	NA	
DENSITY	NA	NA	
LEVEL	Full	Full	
MAX. REC. TEMP. DEG. F	NA	NA	
OPERATING REC TIME	NA	NA	
RECORDED BY	S. Windisch	S. Windisch	
WITNESSED BY	D. Evans	D. Evans	

RUN NO.	BIT	BORE HOLE RECORD FROM	TO	CASING RECORD SIZE	WGT.	FROM	TO
				4 1/2		0.0	T.D.

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	1 NW	1 NW
LOG NO.	1	1
LOG TYPE	GR/CCL	NDC/DSL
SONDE NO.	E-1057	E-1057
DETECTOR MODEL NO.	2-5	NDC-2
LENGTH	6' 6"	6' 6"
DIAMETER	6.0	1 11/16"
SOURCE TYPE		Cs137
SOURCE STRENGTH		1 mr @ 6"
SOURCE SERIAL NO.		1 mr @ 6"
DETECTOR TYPE		Geiger
DETECTOR SERIAL NO.		1 mr @ 6"
STANDOFF	NA	6"
HOIST TRUCK NO.	102	102
INSTRUMENT TRUCK NO.	102	102
LOG DATE	3-27-2001	3-27-2001

LOGGING DATA

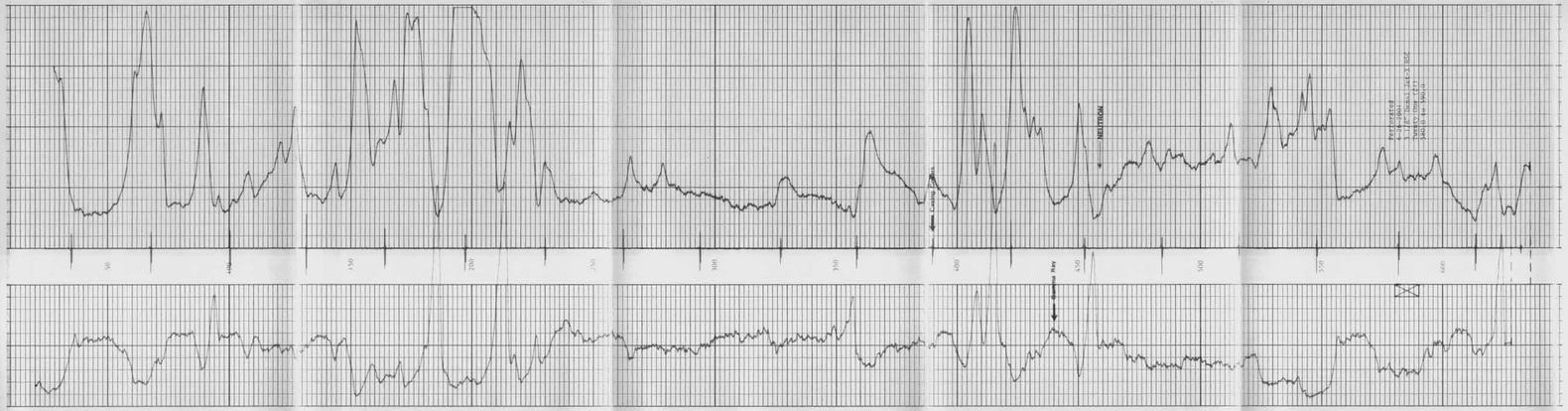
	GAMMA RAY	NEUTRON
LOGGING DEPTHS RUN NO.	1	1
FROM	20.0	28.0
TO	633.0	637.0
SPEED FT./MIN.	30	30
T.C. SEC.	1	1
SENS. SETTINGS	10	10
ATT. & UNITS	1	1
DIV. CM.	2	2
PER LOG DIV.	20	20
CALIBRATOR	NA	NA
T.C. SEC.	1	1
SENS. SETTINGS	10	10
ATT. & UNITS	1	1
DIV. CM.	2	2
PER LOG DIV.	20	20
CALIBRATOR	NA	NA

REFERENCE LITERATURE: NA

REMARKS: D.K. Exploration, Inc. 4 1/2" Cemented

GAMMA RAY DEPTH
CASING
COLLARS

NEUTRON



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COUNTY: Cass, Missouri
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GAMMA RAY	T.D.	AT-0
GAMMA RAY	R.D.	10x2
NEUTRON	T.D.	637.0
NEUTRON	R.D.	20x2
CASING SET @		4 1/2" T.D.