037-20692

MIDWEST SURVEYS
LOGGING, PERFORATING, SERVICE
Phone Kansas 6001
P.O. Box 1176
Liberal, Kansas

RUNNING NO.

COMPANY: D.E. Exploration, Inc.
WELL: No. RI-2
FIELD: Belton Unit
COUNTY: Cass STATE: Missouri
LOCATION: 4450 FSL - 2750 FEL
SEC. 09 TWP. 46n RGE. 33w
PERMANENT DATUM: G.L. ELEV. N/A
LOG MEASURED FROM: G.L. ELEV. N/A
DRILLING MEASURED FROM: G.L. ELEV. N/A
ELEV.: K.B. N/A D.F. N/A G.L. N/A

Permit # 20692

COUNTY APPROVED: Cass, Missouri
CCC: Permission

DATE	8-22-2000	8-22-2000
RUN NO.	1 NW	1 NW
DRILLER	Lewis Bear	Lewis Bear
DEPTH-DRILLER	N/A	N/A
DEPTH-LOGGER	626.0	626.0
BOTTOM CASING-REFRENG	618.0	618.0
TOP LOGGED INTERVAL	20.0	20.0
TYPE FLUID IN HOLE	Air	Air
DENSITY LB/GAL	N/A	N/A
LEVEL	Full	Full
MAX. REC. TEMP. DEG.F.	N/A	N/A
EQUIP. LOCATION	N/A	N/A
RECORDED BY	S. Vandiech	S. Vandiech
WITNESSED BY	D. Evans	D. Evans

BORE-HOLE RECORD

RUN NO.	BIT NO.	FROM	TO	SIZE	WGT.	TYPE	FLUID IN HOLE
1		0.0	626.0	6 1/2			Air

CASING RECORD

RUN NO.	SIZE	WGT.	TYPE	FROM	TO
1	5 5/8			0.0	626.0

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.	102	LOG TYPE	NEU/NEU
DIAMETER	1 11/16"	TOOL MODEL NO.	102
DETECTOR MODEL NO.	E-1057	DIAMETER	1 11/16"
TYPE	SCINT.	DETECTOR MODEL NO.	E-1021
LENGTH	1" x 4"	TYPE	BF-3
DISTANCE TO M. SOURCE	8.0	LENGTH	1" x 6"
GENERAL		SOURCE MODEL NO.	71-1
HOIST TRUCK NO.	NA	SERIAL NO.	71-1-3558
INSTRUMENT TRUCK NO.	102	SPACING	13"
TOOL SERIAL NO.	MS-0001	TYPE	Am241Be
		STRENGTH	3 Ci.

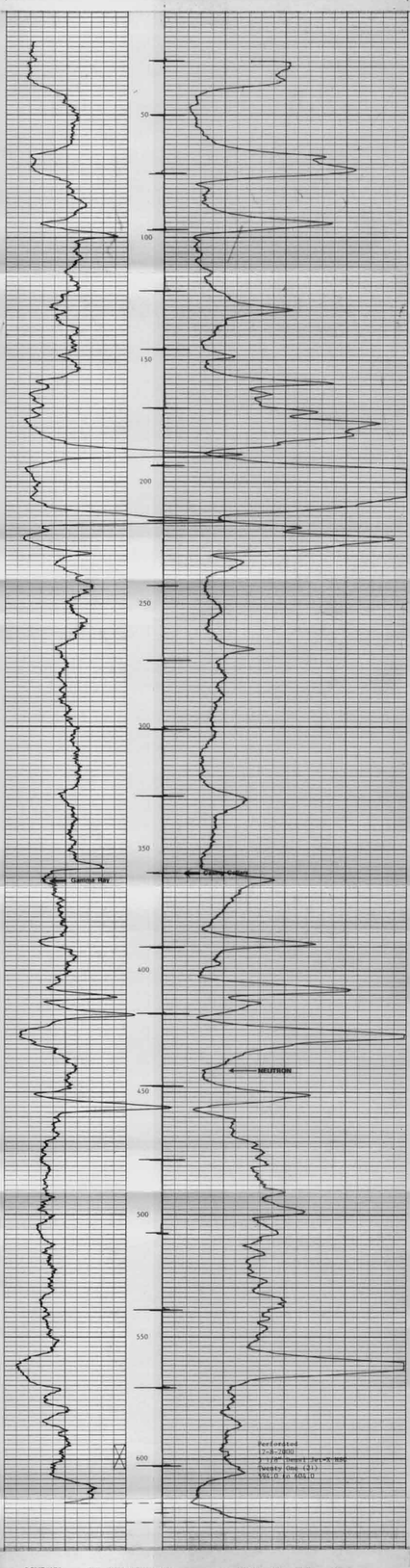
LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT./MIN.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API GR UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API NI UNITS PER LOG DIV.
1	20.0	626.0	20	4.0	1.85/100	OL	10	4.0	1.35/100	OL	20

REFERENCE LITERATURE: 4 1/2" Cemented

REMARKS: D.C. Evans Energy & Development

GAMMA RAY DEPTH NEUTRON
CASING
COLLARS



COMPANY	D.E. Exploration, Inc.	GAMMA RAY T.D.	627.0
WELL	No. RI-2	GAMMA RAY R.D.	618.0
LEASE	Belton Unit	NEUTRON T.D.	627.0
COUNTY	Cass, Missouri	NEUTRON R.D.	626.0
DATE	8-2-2000	CASING SET @	4 1/2" T.D.