037-20691

MIDWEST SURVEYS
LICENSED WIRELINE SERVICES
P.O. Box 1 Phone (816) 697-2121
Lone Jack, Missouri 64070
Fax (816) 697-2122
Fax (816) 697-2123

FILE NO.

Permit # 20691

COMPANY	D.E. Exploration, Inc.
WELL	No. RI-1
FIELD	Belton Unit
COUNTY	Cass
STATE	Missouri

LOCATION: SEC. 09 TWP. 46N RGE. 33W

OTHER SERVICES: Cased Hole Perforate

PERMANENT DATUM: G.L.
LOG MEASURED FROM: K.B.
DRILLING MEASURED FROM: G.L.

DATE	8-22-2000
RUN NO.	One
TYPE LOG	Gamma Ray
DEPTH-DRILLER	622.0
DEPTH-LOGGER	616.0
BOTTOM LOGGED INTERVAL	622.0
TOP LOGGED INTERVAL	20.0
TYPE FLUID IN HOLE	Water
SALINITY PPM Cl	N/A
DENSITY	8.3
LEVEL	Full
MAX. REC. TEMP. DEG.F	N/A
ESTIMATED CEMENT TOP	N/A
OPERATOR RECORDED AT	N/A
WITNESSED BY	D. Evans

BORE-HOLE RECORD

BIT NO.	FROM	TO	SIZE	WGT.
	0.0	T.D.	5 7/8	

CASING RECORD

SIZE	WGT.	TO
4 1/2		T.D.

PERMANENT DATUM: G.L. ELEV. N/A
LOG MEASURED FROM: K.B. N/A
DRILLING MEASURED FROM: G.L. N/A

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-1031
LENGTH	1" x 6"	TYPE	HE-3
DISTANCE TO N. SOURCE	8.0	LENGTH	1" x 6"
		SOURCE MODEL NO.	71-1
GENERAL		SERIAL NO.	71-1-3558
HOIST TRUCK NO.	NA	SPACING	13"
INSTRUMENT TRUCK NO.	102	TYPE	Am241Be
TOOL SERIAL NO.	MS-0001	STRENGTH	3 Ci.

LOGGING DATA

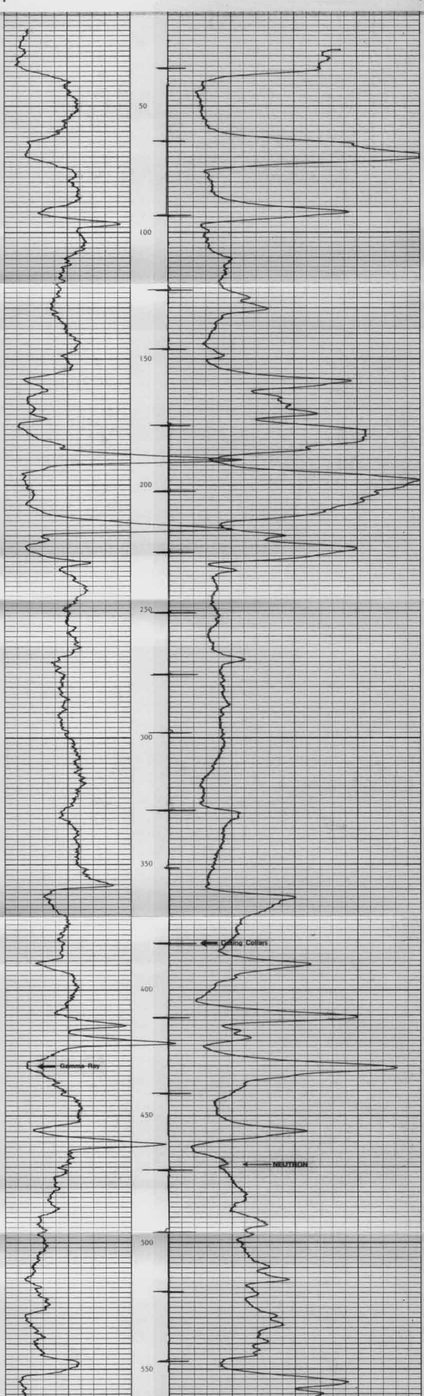
GENERAL						GAMMA RAY			NEUTRON		
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	20.0	622.0	20	4.0	1.85/100	OL	10	4.0	1.35/100	OL	20

REFERENCE LITERATURE: 4 1/2" Cemented

REMARKS: D.C. Evans Energy & Development

NAGL 1030

GAMMA RAY DEPTH NEUTRON
CASING COLLARS



COMPANY	D.E. Exploration, Inc.	GAMMA RAY	T.D.	623.0
WELL	No. RI-1	GAMMA RAY	R.D.	616.0
LEASE	Belton Unit	NEUTRON	T.D.	623.0
COUNTY	Cass, Missouri	NEUTRON	R.D.	622.0
DATE	8-23-2000	CASING SET @		4 1/2" - T.D.