MIDWEST SURVEYS
Wireline Services
P.O. Box 1128
Liberal, Kansas 67901

Permit # 20682

FILE NO	
COMPANY	D. E. Exploration, Inc.
WELL	R-5
FIELD	Melton Unit
COUNTY	Cass STATE Missouri
LOCATION	SE/4 SEC 9 TWP 46N RGE 33W
	5110 FSL - 2970 FEL
OTHER SERVICES	CCL Perforator
PERMANENT DATUM	G.L. ELEV. NA
LOG MEASURED FROM	K.B. NA ABOVE PERM. DATUM D.F. NA G.L. NA

RUN NO	ONE	TWO	THREE
DATE	5-3-2000		
RUN NO	ONE		
DEPTH-DRILLER	638.0		
DEPTH-LOGGER	638.0		
BTM. LOG INTERVAL	638.0		
TOP LOGGED INTERVAL	20.0		
CASING-DRILLER	7.00 @ 20.0		
CASING-LOGGER	638.0		
BIT SIZE	6 1/4		
TYPE FLUID IN HOLE	Water		
DENSITY / VISC	NA		
PH / FLUID LOSS	NA		
SOURCE OF SAMPLE	Circulated		
RM @ MEAS. TEMP.	NA @ NA		
RMF @ MEAS. TEMP.	NA @ NA		
RMC @ MEAS. TEMP.	NA @ NA		
RM @ BHT	NA @ NA		
TIME SINCE CIRC.	NA		
TIME LOGGER ON BOTTOM	0:00		
MAX. REC. TEMP. (DEG.)	NA		
EQUIP. LOCATION	Liberal		
RECORDED BY	Doug Evans		
WITNESSED BY	Doug Evans		

BORE-HOLE RECORD

BIT NO	FROM	TO	SIZE	WGT.	HOLE DIV.
			6 1/4		0.0

CASING RECORD

SIZE	WGT.	FROM	TO
7	17	0.0	20.0

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO	ONE	RUN NO	ONE
TOOL MODEL NO	102	LOG TYPE	NEU/SEU
DIAMETER	1 11/16"	TOOL MODEL NO	102
DETECTOR MODEL NO	E-1052	DIAMETER	1 11/16"
TYPE	SCINT.	DETECTOR MODEL NO	E-1031
LENGTH	1" x 4"	TYPE	BF-3
DISTANCE TO W. SOURCE	8.0	LENGTH	1" x 6"
		SOURCE MODEL NO	71-1
		SERIAL NO	71-1-3538
		SPACING	13"
		TYPE	Am241Be
		STRENGTH	1 Ci

GENERAL	
HOIST TRUCK NO	NA
INSTRUMENT TRUCK NO	102
TOOL SERIAL NO	MS-0001

LOGGING DATA

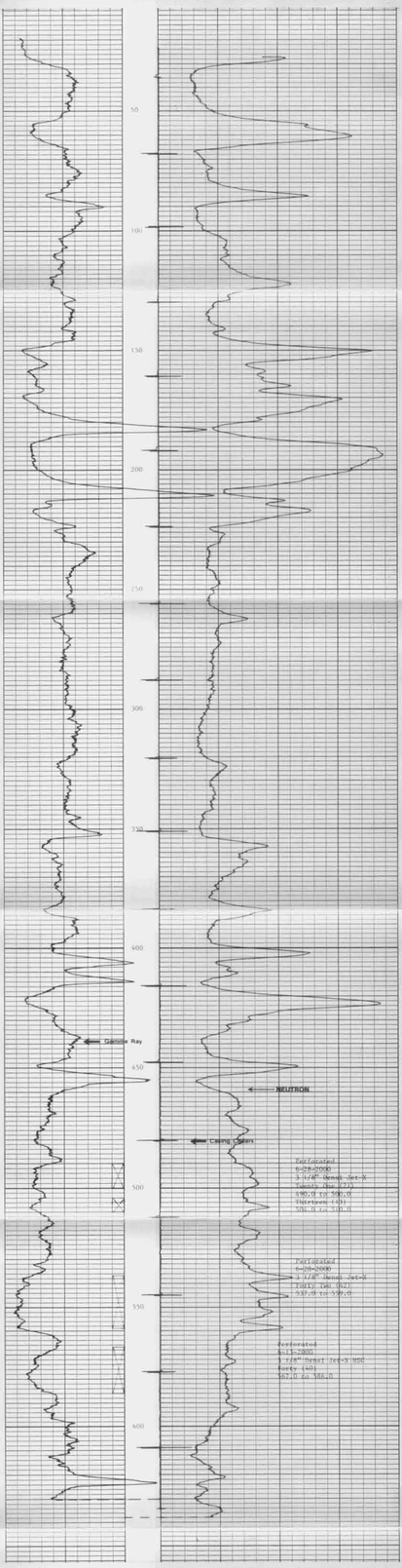
GENERAL				GAMMA RAY				NEUTRON			
RUN NO	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC	SENS SETTINGS	ZERO DIV. | OR R	API G.R UNITS PER LOG DIV.	T.C. SEC	SENS SETTINGS	ZERO DIV. | OR R	API N. UNITS PER LOG DIV.
1	20.0	638.0	20	6.0	1.83/100	OL	10	4.0	1.33/100	OL	20

REFERENCE LITERATURE 4 1/2" Cemented

REMARKS D.C. Evans Energy & Development, Inc.

FOLD HERE

GAMMA RAY DEPTH NEUTRON
CASING
COLLARS



COMPANY	D.E. Exploration, Inc.	GAMMA RAY T.D.	639.0
WELL	R-5	GAMMA RAY R.D.	630.0
LEASE	Melton Unit	NEUTRON T.D.	639.0
COUNTY	Cass, Missouri	NEUTRON R.D.	638.0
DATE	5-3-2000	CASING SET @	4 1/2" - T.D.