6 Ø 1693 OGC# 21252

MIDWEST SURVEYS
LOGGING • PERFORATING • CONSULTING SERVICES
Parsons Kansas 67357
Box 324
913-795-2139

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MO Oil & Gas Council

FILING NO.

PERMIT NO. 21252

COMPANY: COLT ENERGY, INC.
WELL: NO. 52-1J
FIELD: SOUTH BRODEN LEASE
COUNTY: JACKSON STATE: MISSOURI
LOCATION: 3139.0 FSL - 1425.0 FEL
SEC 33 TWP 47N RGE 33W

OTHER SERVICES: CCL PERFORATE

PERMANENT DATUM:	G.L.	ELEV. 1035.5	ELEV. K.B. NA
LOG MEASURED FROM:	G.L.	FT. ABOVE PERM. DATUM	D.F. NA
DRILLING MEASURED FROM:	G.L.		G.L. 1035.5

DATE	12-21-90	12-21-90
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	NA	NA
DEPTH-LOGGER	589.0	589.0
BOTTOM LOGGED INTERVAL	580.0	588.0
TOP LOGGED INTERVAL	50.0	58.0
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 RIG TIME	NA	NA
RECORDED BY	S. WINDISCH	S. WINDISCH
WITNESSED BY	G. VINCENT	G. VINCENT

RUN NO.	BIT	BORE-HOLE RECORD FROM	TO	CASING RECORD SIZE	WGT.	FROM	TO
				2 7/8		0.0	T.D.

FORM 4188

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/BEU
DIAMETER	1 11/16"	TOOL MODEL NO.	102
DETECTOR MODEL NO.	1-102	DIAMETER	1 11/16"
SCINTILLATOR MODEL NO.	SC1NTL.	DETECTOR MODEL NO.	E-1031
TYPE	1 X 4"	TYPE	He-3
LENGTH	8.0	LENGTH	1 X 6"
DISTANCE TO IN-SOURCE		DISTANCE TO IN-SOURCE	7-1
		SOURCE MODEL NO.	7-1-1553B
		SERIAL NO.	7-1-1553
		TYPE	Am-Be
		STRENGTH	Ra241Be 3 Ci

GENERAL

WEST TRUCK NO.	102
INTERMEDIATE TRUCK NO.	102
TOOL SERIAL NO.	MS-10001

LOGGING DATA

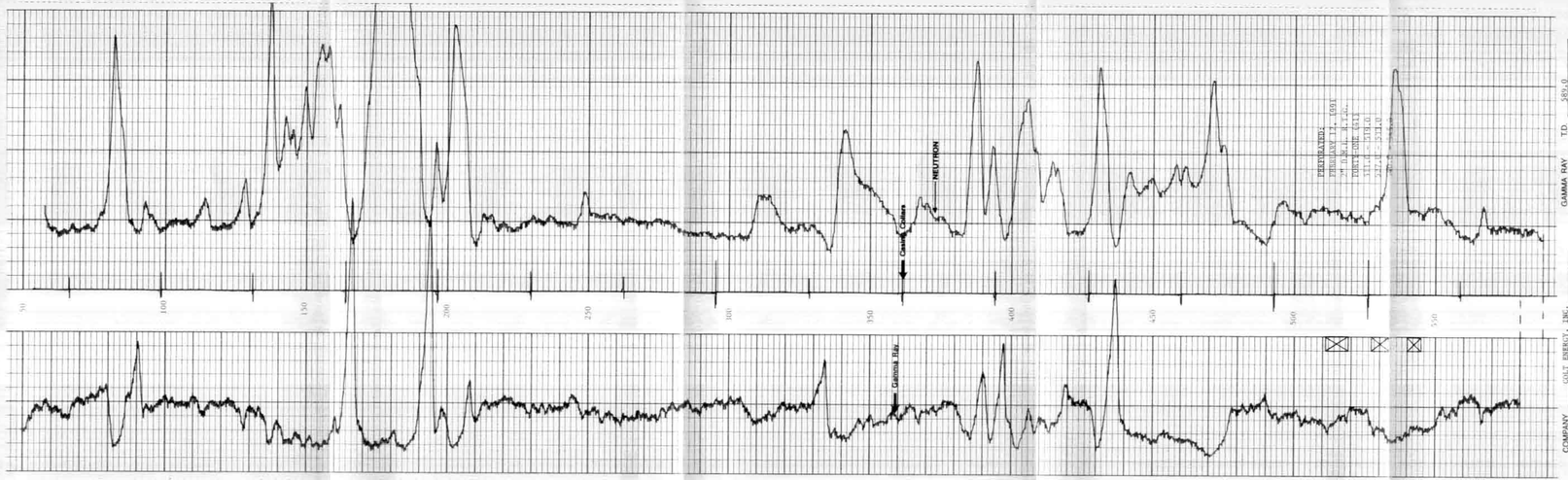
GAMMA RAY								NEUTRON					
RUN NO.	SPEED FT-MIN	DEPTHS FROM	TO	T.C. SEC	SENS SETTINGS	API GR UNITS PER LOG DIV	SENS DIV	RUN NO.	SPEED FT-MIN	T.C. SEC	SENS SETTINGS	API IN UNITS PER LOG DIV	SENS DIV
1	30.0	580.0	50.0	3.0	1.0/100	10	100	1	30.0	3.0	1.0/100	20	100

REFERENCE DETAILS: 2 7/8" CEMENTED

REMARKS: B.C. EVANS ENERGY & DEVELOPMENT INC.

NEXT PAGE

GAMMA RAY NEUTRON
CASING COLLARS



GAMMA RAY T.D. 589.0
GAMMA RAY R.D. 589.0
NEUTRON R.D. 588.0
NEUTRON R.D. 588.0
CASING SET @ T.D. - 2 7/8"

COMPANY COLT ENERGY, INC.
WELL NO. 52-1J
LEASE SOUTH BRODEN
COUNTY JACKSON, MO.
DATE DECEMBER 21, 1990