68170-4

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MO Oil & Gas Council

MIDWEST SURVEYS
P.O. Box 1369
Pittsburg, Kansas 66762
Phone 316-231-7772

FILE NO.	
COMPANY	WESTERN ENGINEERING INC.
WELL	NO. CB-1A
FIELD	BELTON UNIT
COUNTY	CASS
STATE	MISSOURI
OTHER SERVICES	CCL

28521

LOCATION:	
SEC. 9	TWP. 46N
RGE. 33W	
ELEV. K.B. NA	
D.F. NA	
G.L. NA	

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

DATE	1-30-90
RUN NO.	ONE
TYPE LOG	GAMMA RAY NEUTRON
DEPTH-DRILLER	681.0
DEPTH-LOGGER	682.0
BOTTOM LOGGED INTERVAL	673.0
TOP LOGGED INTERVAL	20.0
TYPE FLUID IN HOLE	WATER
SALINITY, PPM CL	NA
DENSITY	NA
LEVEL	FULL
MAX. REC. TEMP.	NA
ESTIMATED CEMENT TOP	NA
TIME SINCE CIRCULATION	NA

BIT RECORD			
NO.	SIZE	FROM	TO
1	7 7/8"	0.0	T.D.

CASING RECORD			
SIZE	WGT.	FROM	TO
8 5/8"	24#	0.0	T.D.

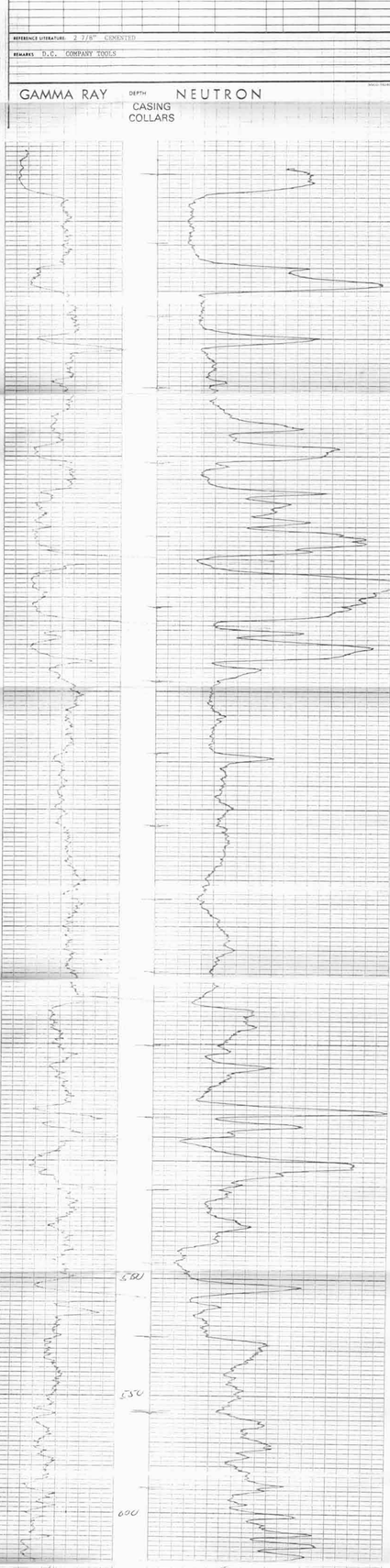
EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	1 NW	RUN NO.	1 NW
TOOL MODEL NO.	102	LOG TYPE	NEU/NEU
DIAMETER	1 11/16"	TOOL MODEL NO.	102
DETECTOR MODEL NO.	E-1037	DIAMETER	1 11/16"
TYPE	SCINT.	DETECTOR MODEL NO.	E-1031
LENGTH	7' X 4"	TYPE	HE-3
DISTANCE TO W. SOURCE	8.0	LENGTH	1' X 6"
GENERAL		SOURCE MODEL NO.	71-1
		SERIAL NO.	71-1-3558
HOIST TRUCK NO.	NA	SPACING	19"
INSTRUMENT TRUCK NO.	102	TYPE	Am241Be
TOOL SERIAL NO.	NS-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	681.0	20	4.0	1.85/100	OL	10	4.0	1.35/100	OL	20

REFERENCE LITERATURE: 2 7/8" CEMENTED

REMARKS: D.C. COMPANY TOOLS

FOLD HERE — THIS READING AND LOG CONFORMS TO API RP 32



COMPANY	WESTERN ENGINEERING INC.	GAMMA RAY T.D.	682.0
WELL	NO. CB-1A	GAMMA RAY R.D.	673.0
LEASE	BELTON UNIT	NEUTRON T.D.	682.0
COUNTY	CASS, MISSOURI	NEUTRON R.D.	681.0
DATE	MARCH 19, 1990	CASING SET @	T.D.