MIDWEST SURVEYS
LOGGING • PERFORATING • CORRECTING SERVICES

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OCT 21 1996
10 Oil & Gas Council

FILING NO.

PERMIT #20622

COMPANY	DEAN SHIDELER
WELL	NO. 31-A
FIELD	SHIDELER
COUNTY	CASS
STATE	MISSOURI
LOCATION	415 FSL - 1950 FEL
SEC	8
TWP	43N
RGE	33W
OTHER SERVICES	CCL PERFORATE
ELEV. K.B.	NA
D.F.	NA
G.L.	NA

PERMANENT DATUM	G.L.
LOG MEASURED FROM	G.L.
DRILLING MEASURED FROM	G.L.
ELEV.	NA
FT ABOVE PERM. DATUM	

DATE	9-3-96	9-3-96
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	NA	NA
DEPTH—LOGGER	316.0	316.0
BOTTOM LOGGED INTERVAL	307.0	315.0
TOP LOGGED INTERVAL	10.0	18.0
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	D. SHIDELER	D. SHIDELER

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

FOLD HERE — THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

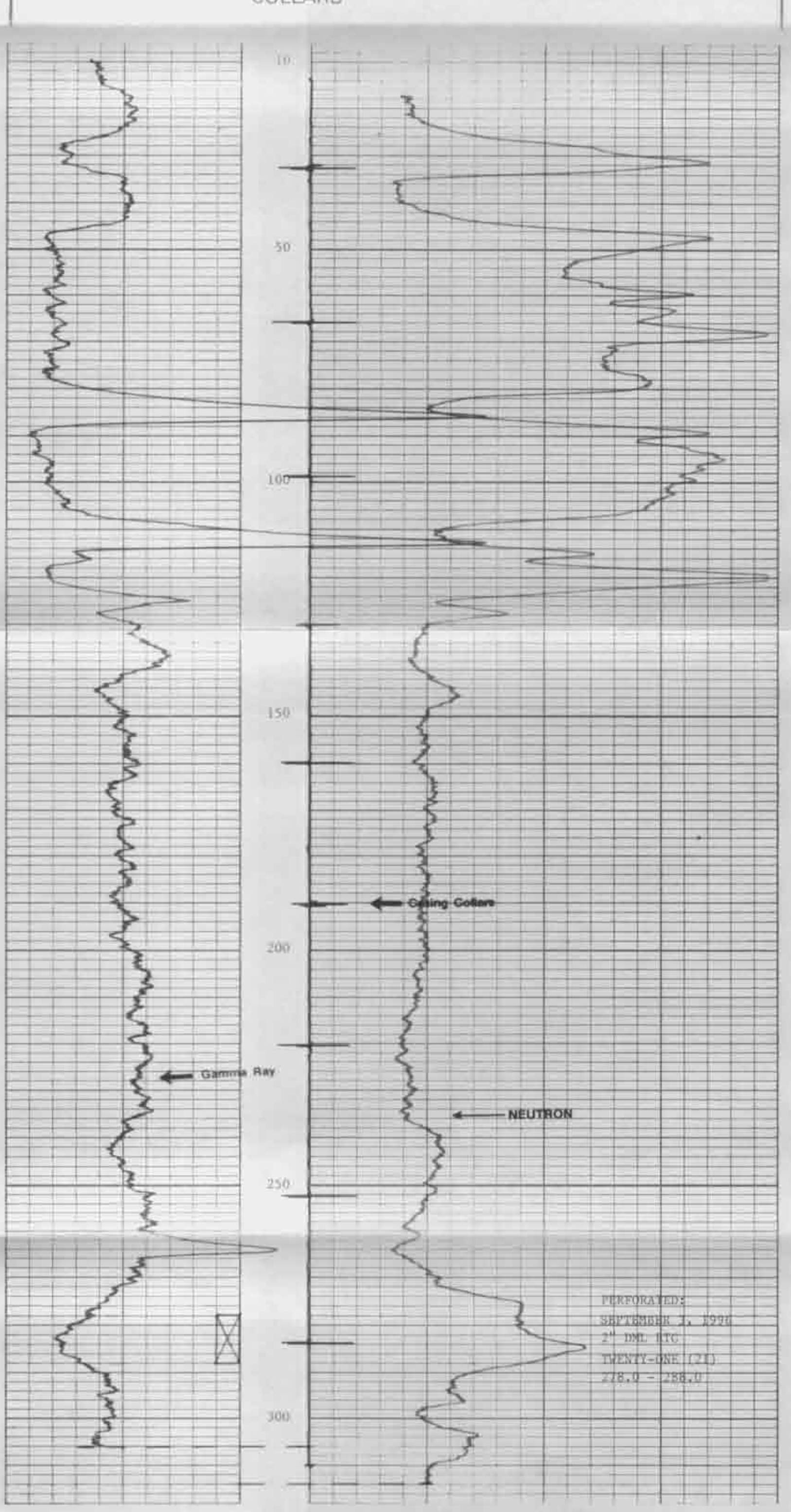
GAMMA RAY			NEUTRON		
RUN NO.	1 NW		RUN NO.	1 NW	
TOOL MODEL NO.	102		LOG TYPE	NEU/NEU	
DIAMETER	1 11/16"		TOOL MODEL NO.	102	
DETECTOR MODEL NO.	E-1057		DIAMETER	1 11/16"	
TYPE	SCINT.		DETECTOR MODEL NO.	E-1031	
LENGTH	1" X 4"		TYPE	HE-3	
DISTANCE TO N. SOURCE	8.0		LENGTH	1" X 6"	
			SOURCE MODEL NO.	71-1	
GENERAL			SERIAL NO.	71-1-355B	
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	10.0	315.0	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



COMPANY	DEAN SHIDELER	GAMMA RAY	T.D.	316.0
WELL	NO. 31-A	GAMMA RAY	R.D.	307.0
LEASE	SHIDELER	NEUTRON	T.D.	316.0
COUNTY	CASS, MISSOURI	NEUTRON	R.D.	315.0
DATE	SEPTEMBER 3, 1996	CASING SET @		2 7/8" - T.D.