037-20587

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Oil & Gas Coun

MIDWEST SURVEYS
LOGGING · PERFORATING · CONVEYING

PERMIT #20587

FILING NO.	
COMPANY	PENSE BROTHERS DRILLING CO., INC.
WELL	NO. 1
FIELD	HONSINGER
COUNTY	CASS
STATE	MISSOURI
LOCATION	2986' FNL 1965' FEL NE/4 LOT 1
SEC. 5	TWP. 43N RGE. 33W
OTHER SERVICES	CCL PERFORATE
PERMANENT DATUM	G.L. ELEV. 939.0
LOG MEASURED FROM	G.L. 0 FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM	G.L.
ELEV. K.B.	NA
D.F.	NA
G.L.	939.0

DATE	8-9-95	8-9-95
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	NA	NA
DEPTH—LOGGER	297.0	297.0
BOTTOM LOGGED INTERVAL	288.0	296.0
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	B. BLANCETT	B. BLANCETT

BORE HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
4 1/2"		0.0	T.D.

FOLD HERE

THIS READING 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

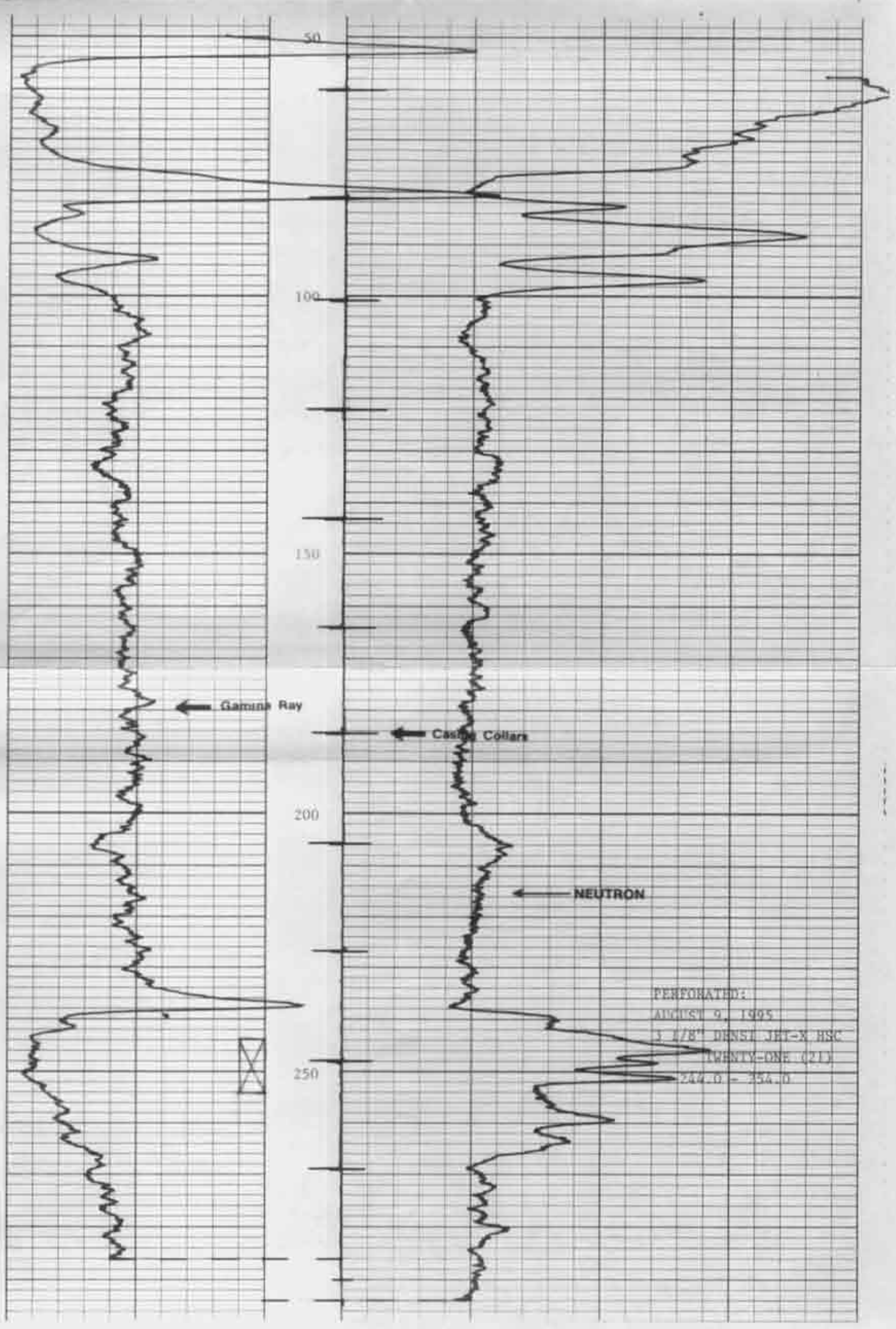
GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	50.0	296.0	20	4.0	1.85/100	OL	10	4.0	1.35/100	OL	20

REFERENCE LITERATURE 4 1/2" CEMENTED

REMARKS D.C. PENSE BRO'S DRLG CO

GAMMA RAY DEPTH NEUTRON

CASING
COLLARS



COMPANY	PENSE BROTHERS DRILLING CO., INC.	GAMMA RAY	T.D.	295.0
WELL	NO. 1	GAMMA RAY	R.D.	286.0
LEASE	HONSINGER	NEUTRON	T.D.	295.0
COUNTY	CASS, MISSOURI	NEUTRON	R.D.	294.0
DATE	AUGUST 9, 1995	CASING SET @		4 1/2" - T.D.