GO 2587 Permit # 21897

MIDWEST SURVEYS

LOGGING • PERFORATING • CONSULTING SERVICES

Field Office
Paola, Kansas 66071
Box 328
913 294-4326

Kansas City, Mo. 64138
P.O. Box 11598
816 356-1870

FILING NO

COMPANY PAM-ARK OIL PRODUCERS

WELL NO. 9-3

FIELD CENTRAL NON-FERROUS LEASE

COUNTY VERNON CO., MO

LOCATION 165' FNL + 1615.59' FEL

SEC 30 TWP 37N RGE 33W

RECEIVED
JUN 25 1985
MO. OIL & GAS COUNCIL

OTHER SERVICES: CCL

PERMANENT DATUM	G.L.	ELEV 825.0
LOG MEASURED FROM	G.L.	FT ABOVE PERM DATUM
DRILLING MEASURED FROM	G.L.	

ELEV K.B. NA
D.F. NA
G.L. 825.0

DATE	5/3/83	5/3/83
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	NA	NA
DEPTH-LOGGER	179.5	179.5
BOTTOM LOGGED INTERVAL	170.5	178.5
TOP LOGGED INTERVAL	10.0	18.0
TYPE FLUID IN HOLE	WATER	WATER
SALINITY PPM CL	NA	NA
DENSITY	NA	NA
LEVEL	140.0	140.0
MAX REC TEMP, DEG F	NA	NA
OPERATING RIG TIME	NA	NA
RECORDED BY	F. PRATT	F. PRATT
WITNESSED BY	R. ROGERS	R. ROGERS

BORE-HOLE RECORD

RUN NO	BIT	FROM	TO

CASING RECORD

SIZE	WGT	FROM	TO
5½"		0.0	161.0

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

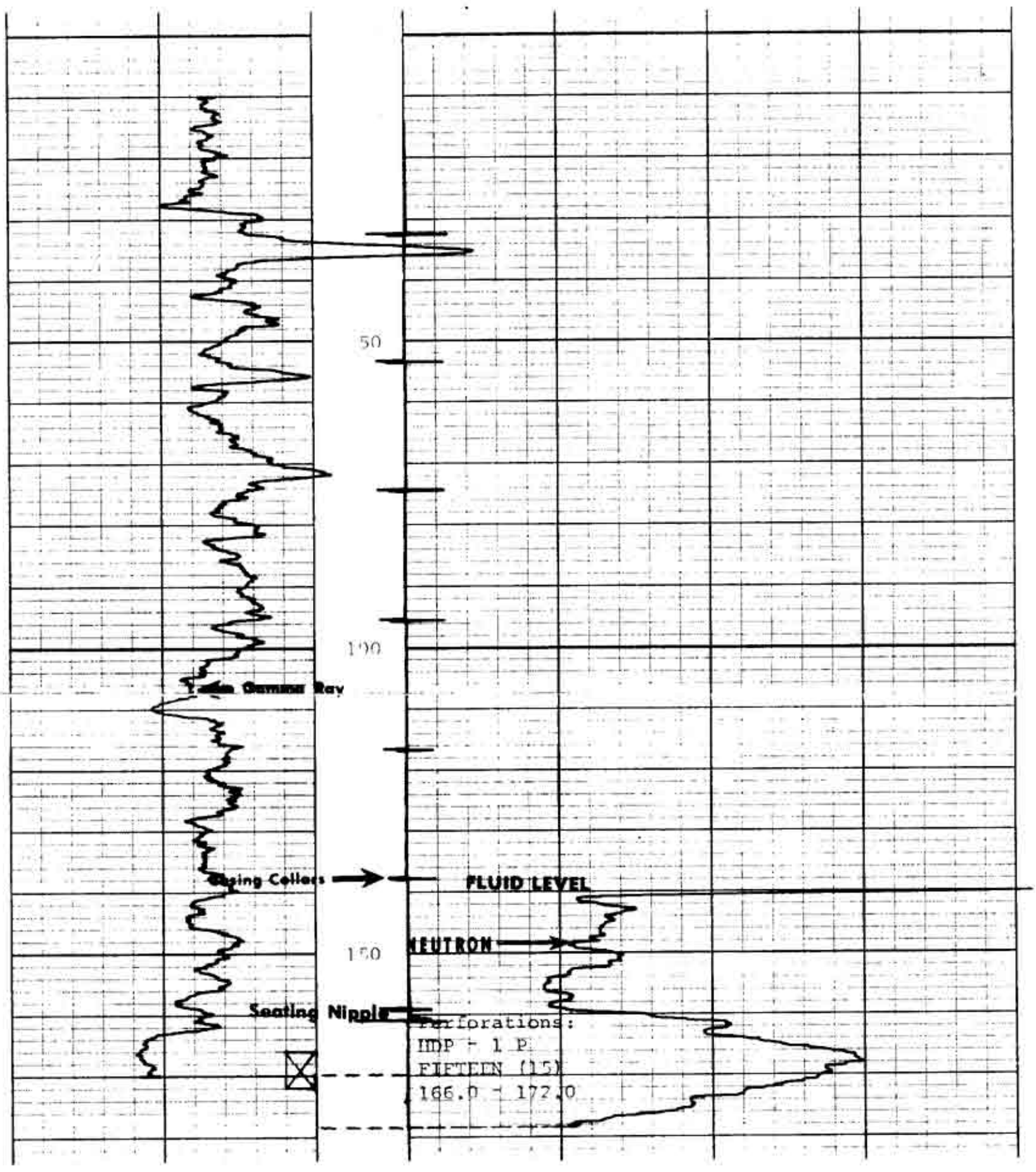
GENERAL				GAMMA RAY				NEUTRON			
RUN NO	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC	SENS. SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV	T.C. SEC	SENS. SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV
1	10.0	178.5	20	4.0	175/100	2L	10	4.0	125/100	3L	20

REFERENCE LITERATURE: 5½" - CEMENTED

REMARKS D.C. COMPANY TOOLS

GAMMA RAY DEPTH NEUTRON

CASING COLLARS



COMPANY	Pam-Ark Oil Producers	GAMMA RAY	T.D.	179.5
WELL	No. 9-3	GAMMA RAY	R.D.	170.5
LEASE	Central Non-Ferrous	NEUTRON	T.D.	179.5
COUNTY	Vernon Co., MO	NEUTRON	R.D.	178.5
DATE	May 3, 1983	CASING SET @		NA