Well File

McCullough

CEMENT BOND LOG GAMMA RAY LOG

RECEIVED

APR 21 '89

O. C. D.
ARTESIA, OFFICE

FILING NO.

FIELD COPY
HOBBS DISTRICT

COMPANY MERIDIAN OIL INC.

WELL APACHE FEDERAL NO.2

FIELD PARKWAY (DELAWARE)

COUNTY EDDY STATE NEW MEXICO

LOCATION
1980' FNL & ~~809~~ 990' FEL

OTHER SERVICES
PERF.4"

SEC.35 TWP 19-S RGE 29-E

ELEVATION
KB.3355.1'
DF.3354.1'
GL.3339.0'

PERMANENT DATUM	G.L.	ELEV. 3339.0'
LOG MEASURED FROM	K.B. 16.1' AGL	
DRILLING MEASURED FROM	K.B.	

DATE	3-30-89		
RUN NO.	ONE		
TYPE LOG	GR/CCL/BAL		
DEPTH-DRILLER	4503'		
DEPTH LOGGER	4584'		
BOTTOM LOGGED INTERVAL	4586'		
TOP LOGGED INTERVAL	2500'		
TYPE FLUID IN HOLE	FW		
LINITY PPM CL.	NA		
DENSITY LB/GAL	NA		
LEVEL	FULL		
MAX. REC. TEMP.DEG. F.	110 DEG.F		
IPR. RIG TIME	2 HR.		
RECORDED BY	HOWELL		
WITNESSED BY	MR. GRUBBS		

RUN NO.	BOREHOLE RECORD			CASING RECORD			
	BIT	FROM	TO	SIZE	WGT.	FROM	TO
ONE	12.25	SURF.	1801'	13.38	48#	SURF.	1801'
TWO	77/8"	1801'	4550'	85/8"	24#	SURF.	3200'
				5.5"	14#	SURF.	4503'+

LOGGING AND EQUIPMENT DATA (CEMENT BOND LOG)

	1	2	SQUEEZE NO. 1	SQUEEZE NO. 2	SQUEEZE NO 3
TOOL MODEL NO.	541-1-1				
DIAMETER	2.75"				
LENGTH	22'				
CEMENTING DATA					
TIME AND HOUR SET					
TIMING TIME HRS.					
TYPE CEMENT					
SACKS USED ( )					
RECEDING FLUID					
% ADDITIVE					
% RETARDER					
SLURRY WEIGHT					
BREAKDOWN PRESSURE					
SURFACE MAX. PRESS.					
BOTTOM MAX. PRESS.					

GAMMA RAY			NEUTRON		
RUN NO.	ONE		RUN NO.		
TOOL MODEL NO.	541-2-1		LOG TYPE		
DIAM.	2.75"		TOOL MODEL NO.		
DETECTOR MODEL NO.	541-25		DIAM.		
TYPE	SCINT.		DETECT. MODEL NO.		
LENGTH	3"		TYPE		
DIST. TO N. SOURCE	NA		LENGTH		
	CCL		SOURCE MODEL NO.		
RUN NO.	ONE		SERIAL NO.		
MODEL NO.	541-1-2		SPACING		
SERIAL NO.	003		TYPE		
DIAMETER	2.75"		STRENGTH		
	GENERAL				
TOOIST TRUCK NO.	84109				
ENST. TRUCK NO.	84109				
TOOL SERIAL NO.	003				
LOG TICKET NO.	507934				

LOGGING DATA

RUN NO.	GENERAL DEPTHS FROM	TO	FT/MIN	GAMMA RAY FILTER	GAIN	ZERO	C API	NEUTRON FILTER	GAIN	ZERO	N API
ONE	4494'	2500'	30	5	.85	ZERO	10/DIV.				

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	FT/MIN	FILTER	GAIN	ZERO	G API	FILTER	GAIN	ZERO	N API
ONE	4494'	2500'	30	5	.85	ZERO	10/DIV.				

GENERAL				TRANSIT TIME			BOND		
RUN NO.	DEPTHS FROM	DEPTHS TO	FT/MIN	FILTER	GAIN	ZERO	FILTER	GAIN	ZERO
ONE	4494'	2500'	30	4	1	NA	5	.816	ZERO

WELLSITE RADIATION SURVEY

R.A. BEFORE: 0.0 MR/HOUR

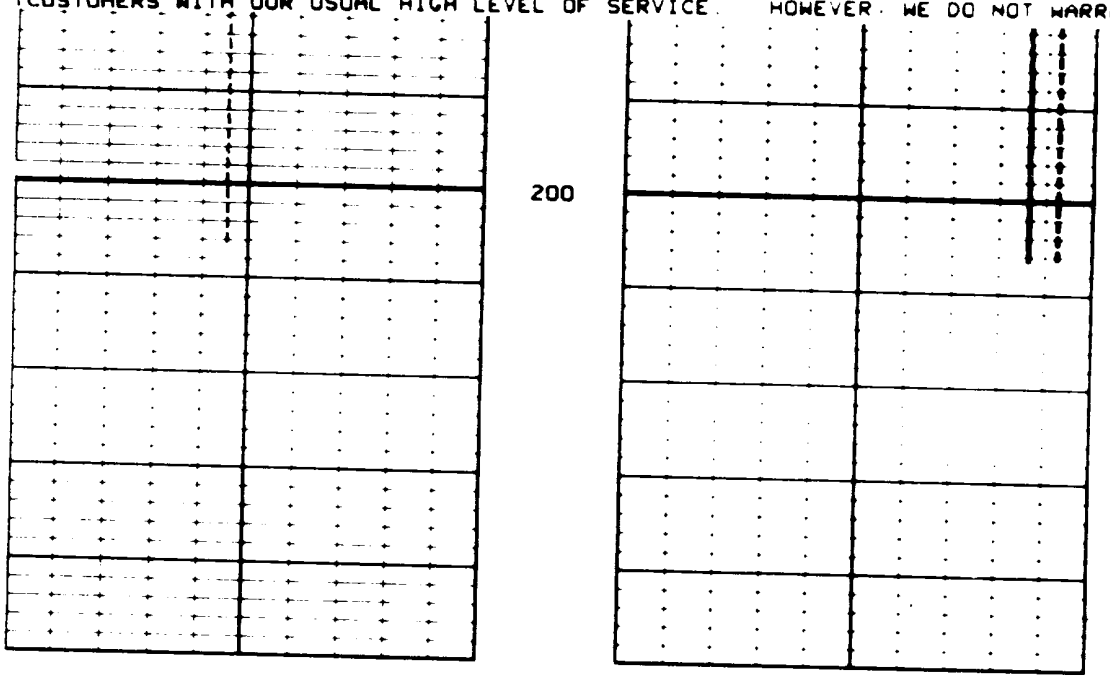
AFTER : 0.0 MR/HOUR

REMARKS :

CORRELATED TO LITHO-DENSITY

TOOL DATA: 20KHZ SIGNAL WITH FIXED GATE AT E-2

BOND RATING FOR 5.5" 14# CMT. AT 3000# COMP. STR.

THANK YOU

LOG INTERPRETATIONS ARE CONCLUSIONS BASED ON OBSERVED DATA FROM MEASUREMENTS OF VARIOUS TYPES ASSUMPTIONS MUST USUALLY BE MADE IN ORDER TO ARRIVE AT THESE CONCLUSIONS. EMPLOYEES OF MCCULLOUGH WILL AT ALL TIMES EXERCISE REASONABLE JUDGMENT UNDER PREVAILING CIRCUMSTANCES SO AS TO PROVIDE OUR CUSTOMERS WITH OUR USUAL HIGH LEVEL OF SERVICE. HOWEVER, WE DO NOT WARRANT THE ACCURACY OF INTER-