McCullough

ELECTRICAL MEASUREMENT AND MECHANICAL SEISMOGRAM LOGS

FILING NO. HBC-81297

COMPANY CHAMPLIN PETROLEUM CO.

WELL GRANT BROS. #2 31-11 (1-68)

FIELD SPINDLE

COUNTY WELD STATE COLORADO

LOCATION: NW NE SEC. 11 TWP. 1N RGE. 68W

PERMANENT DATUM: GL ELEV. 5018' | ELEVATIONS: KB 5028' DF. GL. 5018'

OTHER SERVICES

LOG MEASURED FROM KB 10' ABOVE PERM. DATUM

DRILLING MEASURED FROM KB

	RUN NO.	DATE	DEPTH—DRILLER	DEPTH—LOGGER	BOTTOM LOGGED INTERVAL	TOP LOGGED INTERVAL	TYPE FLUID IN HOLE	DENSITY / PPG	MAX. REC. TEMP. DEG. F	ESTIMATED CEMENT TOP	EQUIP. LOC.
1	ONE	6-17-76	5270'	5225'	4600'	4340'	WATER				

BOREHOLE RECORD

RUN NO.	BIT FROM	BIT TO	SIZE	WGT.
1	0	5177'	8-5/8"	24#

CASING RECORD

FROM	TO	SIZE	WGT.
0	5177'	5-1/2"	15.5#

RECORDED BY: OPPENBROOT

WITNESSED BY: MR. SHOUSHEFIELD

PROPERTY OF CENTRAL FILE

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33 (F)

LOGGING AND EQUIPMENT DATA (BOND CEMENT LOG)

DATE RECORDED	6-17-76	TOOL MODEL NO.	BCP-3.5-G
TIME STARTED		DIAMETER	3.5"
TIME FINISHED		LENGTH	17' (4' SPACING)
LOGGED INTERVAL	4600' - 4340'		
LOGGED CEMENT TOP			

CEMENTING DATA

	1	2	SQUEEZE NO. 1	SQUEEZE NO. 2	SQUEEZE NO. 3
DATE AND HOUR SET					
SETTING TIME (HRS.)					
TYPE CEMENT					
SACKS USED					
PRECEDING FLUID					
% ADDITIVE					
% RETARDER					
SLURRY WEIGHT					
BREAKDOWN PRESSURE					
SURFACE MAX. PRESS.					
BOTTOM MAX. PRESS.					

GAMMA RAY

RUN NO.	
TOOL, MODEL NO.	
DIAM.	
DETECT. MODEL NO.	
TYPE	
LENGTH	
DIST. TO N. SOURCE	

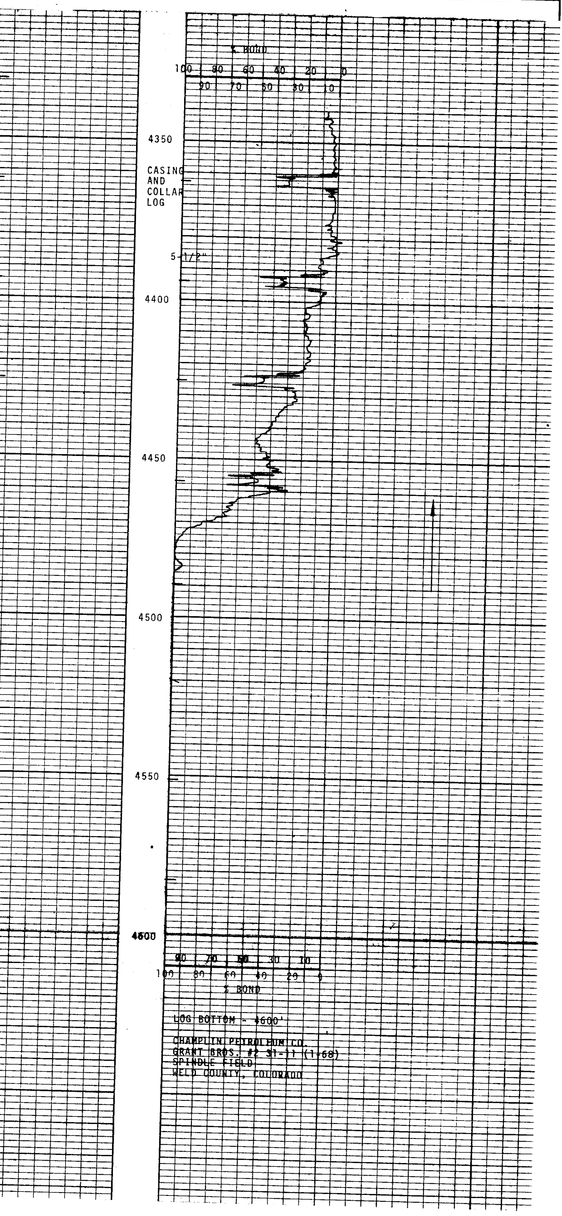
NEUTRON

RUN NO.	
LOG TYPE	
TOOL, MODEL NO.	
DIAM.	
DETECT. MODEL NO.	
TYPE	
LENGTH	
SOURCE MODEL NO.	
SERIAL NO.	
SPACING	
TYPE	
STRENGTH	

GENERAL

HOIST TRUCK NO.	1998
INST. TRUCK NO.	1998
TOOL SERIAL NO.	
LOG TICKET NO.	96047

LOGGING DATA

RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT./MIN.	GAMMA RAY Y.C. SEC.	GAMMA RAY SENS. SETTINGS	GAMMA RAY ZERO DIV. L. OR R.	GAMMA RAY API GR. UNITS PER LOG DIV.	NEUTRON Y.C. SEC.	NEUTRON SENS. SETTINGS	NEUTRON ZERO DIV. L. OR R.	NEUTRON API N. UNITS PER LOG DIV.

REMARKS: