



Exhibit  
No. 5-B

OIL WELL CEMENTING CO.

# RADIOACTIVITY LOG

NATURAL GAMMA RADIATION

INDUCED GAMMA RADIATION

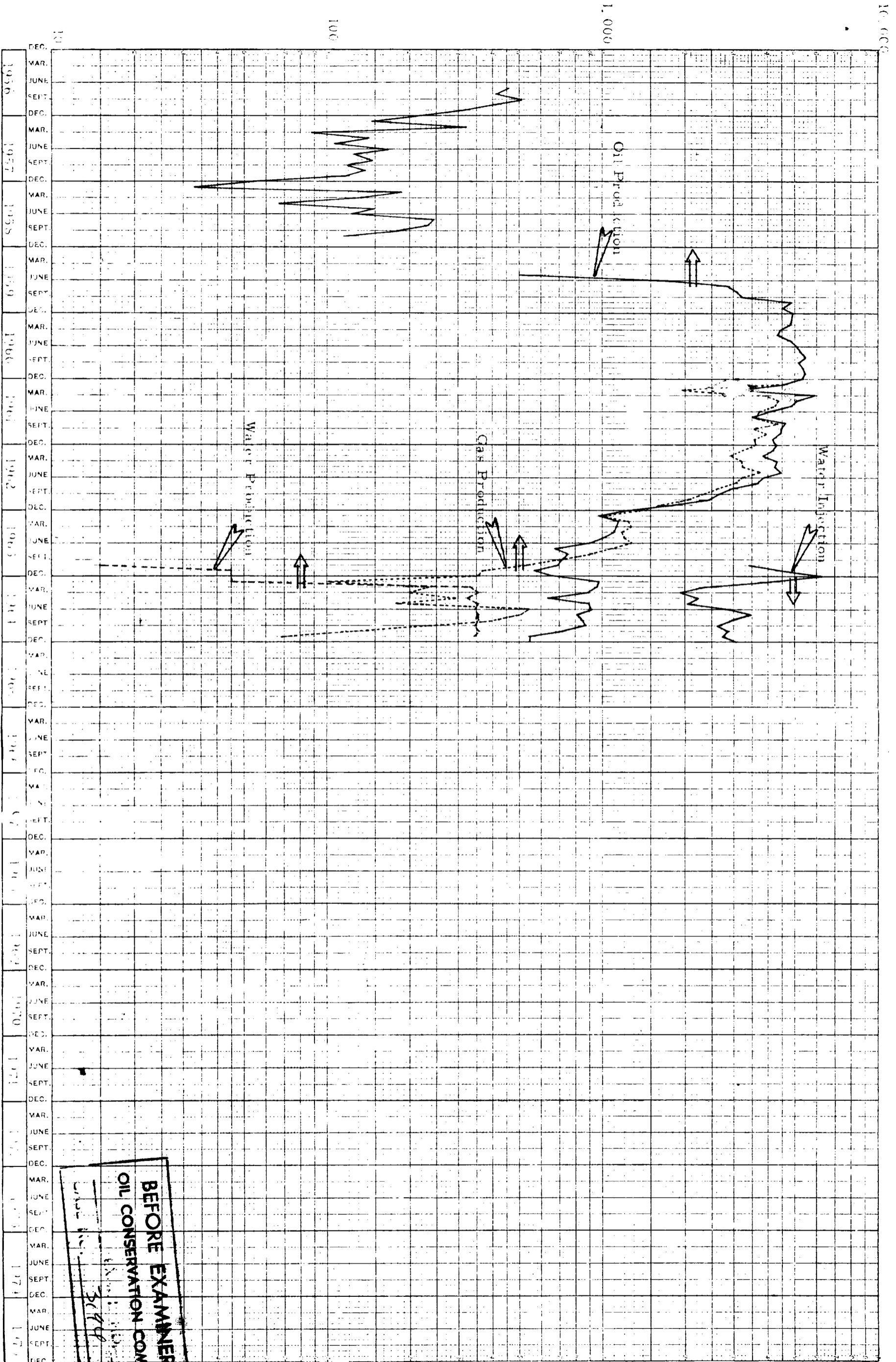
COMPANY <u>W. B. BARNHILL</u> WELL <u>McCALLISTER 2</u> FIELD <u>High Lonesome</u> County <u>Eddy</u> State <u>N. Mex.</u>	<i>International Oil &amp; Gas Corporation</i>		Location	
	COMPANY <u>W. B. BARNHILL</u>		2310' from E/L	
	FILE _____		990' from N/L	
	WELL <u>McCALLISTER # 2-6</u>		Sec. 15	
	FIELD <u>High Lonesome</u>		Twp/ 16-S	
	COUNTY <u>Eddy</u> STATE <u>New Mex</u>		Rge. 29-E	
	SEC. <u>15</u> TWP <u>16-S</u> RGE. <u>29-E</u>		GR NG	
SURVEY _____		Elev. D.F. <u>3703'</u>		
		K.B. _____		
		Grd. <u>3702'</u>		

Log Measured From	<u>Derrick Floor</u>	Elevation	<u>3703'</u>
Drilling Measured From	<u>Derrick Floor</u>	Elevation	<u>3703'</u>
Permanent Datum	<u>Ground Level</u>	Elevation	<u>3702'</u>

Type Log	GAMMA	N. GAMMA	
Run No.	<u>ONE</u>	<u>ONE</u>	
Date	<u>6-16-56</u>	<u>6-16-56</u>	
Footage Logged	<u>1956'</u>	<u>1956'</u>	
Total Depth, Driller	<u>1966'</u>	<u>1966'</u>	
Total Depth, Logged	<u>1956'</u>	<u>1966'</u>	
Type of Fluid in Hole	<u>NONE</u>	<u>NONE</u>	
Fluid Level	<u>NONE</u>	<u>NONE</u>	
Max. Temp.	°F	<u>90</u> °F	
Neutron Source Strength		<u>400mg</u>	
Source to Center of Counter	in.	<u>19</u> in.	
Length Meas. Device - in	<u>29</u> in	<u>14</u> in	
O.D. of Instrument - in	<u>3 5/8"</u>	<u>3 5/8"</u>	
Time Constant - sec.	<u>2</u>	<u>2</u>	
Logging Speed Ft. min.	<u>SEE REMARKS</u>		
Neutron Source Code		<u>Purple</u>	
Truck No.	<u>4018</u>	<u>4018</u>	
Recorded by	<u>P. C. Harris</u>		
Witnessed by	<u>W. B. Barnhill</u>		

BEFORE EXAMINER UTZ  
 OIL CONSERVATION COMMISSION  
 EXHIBIT NO. 51  
 CASE NO. \_\_\_\_\_





WATERFLOOD

W-5

High Temperature Pentrose Unit

**BEFORE EXAMINER USE**  
**OIL CONSERVATION COMMISSION**  
 Date: 3/9/76  
 Initials: [Signature]