G01699

Permit # 20020

Petro-Log

Compensated Density Neutron

COMPANY	PROTAAL RESOURCES, INC.
WELL	BYE #13-32
FIELD	
COUNTY	RAY
STATE	MISSOURI
Location	NW-NE 773.5' NL 725' EL
Sec.	32
Twp.	54N
Rge.	28W
Other Services:	IES
Permanent Datum	GROUND LEVEL
Elev.	980 EST
Log Measured From	G.L. , Ft. Above Perm. Datum
Drilling Measured From	GROUND LEVEL
Elev.: K.B.	
D.F.	
G.L.	980 EST

RECEIVED MAR 30 1981 MO. OIL & GAS COUNCIL

Date	11/19/80			
Run No	ONE			
Depth—Driller	737			
Depth—Logger	538			
Btm. Log Inter.	537			
Top Log Inter.	20			
Casing—Driller	7" @ 20±	@	@	@
Casing—Logger				
Bit Size	6 1/8"			
Type Fluid in Hole	NATIVE MUD GEL			
Dens. | Visc.	N.A. | N.A.	|	|	|
pH | Fluid Loss	N.A. | N.A. ml	| ml	| ml	| ml
Source of Sample	PITS			
R_m @ Meas. Temp.	.4 @ 60 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	.3 @ 60 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	.6 @ 60 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	CHARTS	|	|	|
R_m @ BHT	.28 @ 87 °F	@ °F	@ °F	@ °F
Time Since Circ.	2 HOURS			
Max. Rec. Temp.	87 °F	°F	°F	°F
Equip. | Location	H-5 | WICHITA	|	|	|
Recorded By	GASKILL			
Witnessed By	MR. FETTERLY			

Equipment Data

Run No.	Tool No.	Source No.	Panel No.	Logging Unit	Location
1	0304	CSV-530	3147	H-5	WICHITA, KS.
	0401	1122	3147	H-5	WICHITA, KS.

Calibration Data

Run No.	Gamma Ray API Scale	Gamma Ray Background CPS	Std. CPS	Ds CPS AT	2.0	3.0	CDT Ds CPS AT	2.0	3.0

Logging Data

Run No.	Depths From	Depths To	Speed Ft. Min.	TC

Remarks:

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.