

WELLEX

RADIOACTIVITY
LOG



OIL WELL CEMENTING CO.

RADIOACTIVITY LOG

NATURAL GAMMA RADIATION INDUCED GAMMA RADIATION

COMPANY E.P. CAMPBELL
WELL COCKERHAM # 1
FIELD DAYTON
COUNTY EDDY STATE NEW MEXICO
Location 330' N.
330' E.
Other logs NONE
Sec. 34 Twp. 18-S. Rge. 26-E.
Elevation 3334'
K8 N.A.
Df. 3334'

Run No. 6-29-58
Date 6-29-58
Total Depth Driller 3632'
Present Depth Driller 3632'
Total Depth Welox 3632'
Survey Begins 3618'
Survey Ends 4600'
Mud Date WATER BASE
Type Fluid in Hole MUD
Salinity ppm. Cl. 9.6
Weight lb./gal. 9.6
Fluid Level DEPTH
Mud Hole Temp. MR. SWARTZ
Recorded by DEPTH
Witnessed by MR. SWARTZ
Bore Hole Record
Run No. 3-7-8
From 4848'
To 4848'
Size 4 1/2"
Wgt. 27"
From SURF.
To 4205'

Case No. 1540
October 22, 1958
Exhibit No. 1

COMPANY ILLAMEX OIL, INCORPORATED
FILE COCKERHAM # 1
WELL COCKERHAM # 1
FIELD DAYTON
COUNTY EDDY STATE NEW MEXICO
Location 330' from N/L
330' from E/L
Sec. 34
Twp. 18-S
Rge. 26-E
GR-NG (GUARD)
Elev. D.F. N.A.
K.B. N.A.
Grd. 3334'

Log Measured From Ground Level
Drilling Measured From Derrick Floor
Permanent Datum Ground Level
Type Log GAMMA N. GAMMA
Run No. ONE ONE
Date 11-24-56 11-24-56
Footage Logged 4735' 4735'
Total Depth Driller 4742' 4742'
Total Depth Welox 4735' 4745'
Survey Begins 4600'
Survey Ends 4600'
Mud Date
Type of Fluid in Hole Mud
Fluid Level Full
Max. Temp. 100 F 100 F
Neutron Source Strength 400 mg
Source to Center of Counter 19 in.
Length Mean Device in 14 in.
O.D. of Instrument in 3 5/8" 3 5/8"
Time Constant - sec. 2 2
Logging Speed Ft. min. See Remarks
Neutron Source Code 4018 Purple
Truck No. 4018
Recorded by P.C. Harris
Witnessed by S. L. Jones

GAMMA COUNTS PER SECOND	Depth & Casing Collars	NEUTRON - GAMMA COUNTS PER SECOND	
		Sensitivity 10'-880'	
0	90	200	450
90	180		700
Time Constant 2 Sec.		Sensitivity 880'-3896'	
		400	650
			900
		Sensitivity 3896'-3906'	
Time Constant 2 Sec.		450	700
			950
		Sensitivity 3906'-4745'	
		500	750
Time Constant 2 Sec.			1000

LOGGING TOOL DATA
Truck No. 32-2020 Inst. Truck No. 32-616 Tool Serial No. NEUTRON
Tool Model No. 310 Dia. 1 3/4" Log Type NEUTRON-NEUTRON
Detector Model No. 3G2 Length 27" Tool Model No. 310 Dia. 1 3/4"
Type GEIGER-MUELLER Length 27" Detector Model No. D3A
Distance to N. Source 89.25" Type PROPORTIONAL Length 6"
Reference Literature: Source Model No. S10A3 Serial No.
Spacing 13"
Type RADIUM-BERYLLIUM
Strength 4.6x10⁶ NEUTRONS/SEC.

Depth		Speed T C		Gamma Ray Setting		T C		Neutron Setting	
From	To	Ft./min.	Sec.	Sensitivity	Zero	Scale	Sec.	Sensitivity	Zero
5626'	5450'	20	4	4 RU	-0 RU	5"=100'	2	150 EU	-1650 EU
5626'	5353'	20	4	4 RU	-0 RU	5"=100'	2	150 EU	-1350 EU
5353'	4600'	20	4	4 RU	-0 RU	5"=100'	2	150 EU	-1050 EU
5626'	4600'	40	4	4 RU	-0 RU	2"=100'	2	150 EU	-1200 EU

Calibration Data. GAMMA STANDARD C 933. NEUTRON ENVIRONMENTAL D 368.
REMARKS:

GAMMA RAY

NEUTRON