



McCULLOUGH

TOOL COMPANY
RADIATION LOG



B-3441

Location of Well	COMPANY EL PASO NATURAL GAS PRODUCTS	
	WELL	HICKMAN "A" #5
	FIELD	GALLEGOES
	COUNTY	SAN JUAN STATE NEW MEXICO
LOCATION SECTION 3 - 26N - 12W		COUNTY SAN JUAN STATE N. MEX. LOCATION SEC. 3 - 26N - 12W C - NW - SE
C - NW - SE		
Log Meas. From	KELLY BUSHING Elev. 5980'	
Drig. Meas. From	KELLY BUSHING Elev. 5980'	
Perm. Datum	GROUND LEVEL Elev. 5970'	

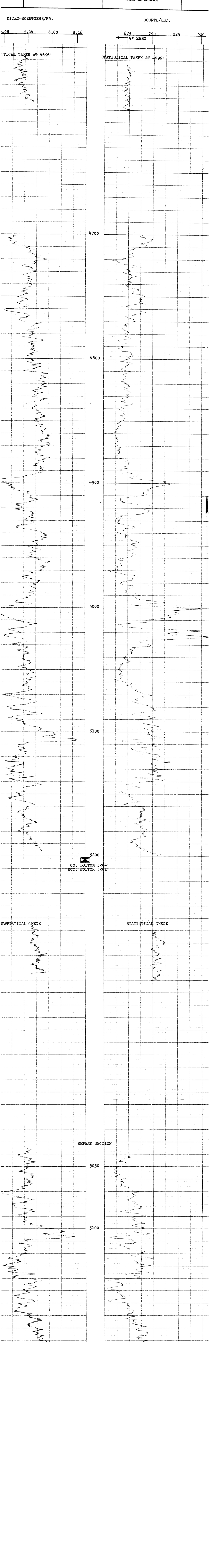
Rec. Trk. No.	1462	Trk. No.	1454	Trk. Oper.	McDOWELL	Log Ticket No.	61030
Date	4-30-58			Maximum Recorded Temp.			
Total Depth (Driller)	5204'			Effective Depth (McCulloch)			5201'
Type of Fluid in Hole	MUD			Fluid Level			--
O.D. of Instrument	3 1/2"			Length of Device—Overall			11'
Neutron Source #	--			Spacing			19 1/2" Setting --
Recorded By	EINARSON & FUGLAAR			Witnessed By			MR. KREGER

Type of Log	GAMMA RAY	GAMMA RAY	NEUTRON	NEUTRON
Run No.	1		1	
Top of Logged Interval	4700'		4700'	
Bottom of Logged Interval	5194'		5200'	
Time Constant	G-3 TC-7.5 SEC D-194 R-2		G-3 TC-4.5 SEC D-218 R-3	
Logging Speed Ft./Min.	20'		20'	
Statistical Variation				
Sensitivity-Micro-Roentgens Per Hr. Per. Inch	1.36		75 COUNTS PER SEC. PER IN.	

CASING RECORD (Customers)				OPEN (BORE) HOLE RECORD			
Run No.	Size—In.	Wt.—Lb.	Interval	Bit Size	Interval		
1	--	--	to --		to --		
2			to	8-3/4"	to --		
3			to		to		
4			to		to		
5			to		to		

REMARKS OR OTHER DATA

→ GAMMA → RADIATION INCREASE	→ NEUTRON → RADIATION INCREASE
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TOOL COMPANY
RADIATION LOG

R-3441

Location of Well	COMPANY EL PASO NATURAL GAS PRODUCTS WELL <u>HICKMAN "A" #5</u> FIELD <u>GALLEGOS</u> COUNTY <u>SAN JUAN</u> STATE <u>NEW MEXICO</u> LOCATION <u>SECTION 3 - 26N - 12W</u> <u>C - NW - SE</u>	COMPANY <u>EL PASO NAT.</u> GAS PRODUCTS WELL <u>HICKMAN "A" #5</u> FIELD <u>GALLEGOS</u> COUNTY <u>SAN JUAN STATE N. MEX.</u> LOCATION <u>SEC. 3 - 26N - 12W</u> <u>C - NW - SE</u>
Log Meas. From	<u>KELLY BUSHING</u>	Elev. <u>5980'</u>
Drig. Meas. From	<u>KELLY BUSHING</u>	Elev. <u>5980'</u>
Perm. Datum	<u>GROUND LEVEL</u>	Elev. <u>5970'</u>

Rec. Trk. No. <u>1462</u>	Trk. No. <u>1454</u>	Trk. Oper. <u>MODOWELL</u>	Log Ticket No. <u>61030</u>
Date <u>4-30-58</u>		Maximum Recorded Temp. _____	
Total Depth (Driller) <u>5204'</u>	Effective Depth (McCullough) <u>5201'</u>		
Type of Fluid in Hole <u>MUD</u>	Fluid Level _____		
O.D. of Instrument <u>3 1/2"</u>	Length of Device—Overall <u>11'</u>		
Neutron Source # <u>--</u>	Spacing <u>19 1/2"</u> Setting <u>--</u>		
Recorded By <u>EINARSON & FUGLAAR</u>	Witnessed By <u>MR. KREGER</u>		

Type of Log	GAMMA RAY	GAMMA RAY	NEUTRON
Run No.	1		1
Top of Logged Interval	4200'		4200'

MAY 19 1958
 11 3
 11 3

Top of Logged Interval	4700'	4700'
Bottom of Logged Interval	5194'	5200'
Time Constant	G-3 TC-7.5 SEC D-194 R-2	G-3 TC-4.5 SEC D-218 R-3
Logging Speed Ft./Min.	20'	20'
Statistical Variation		
Sensitivity-Micro-Roentgens Per. Hr. Per. Inch	1.36	75 COUNTS PER SEC. PER IN.

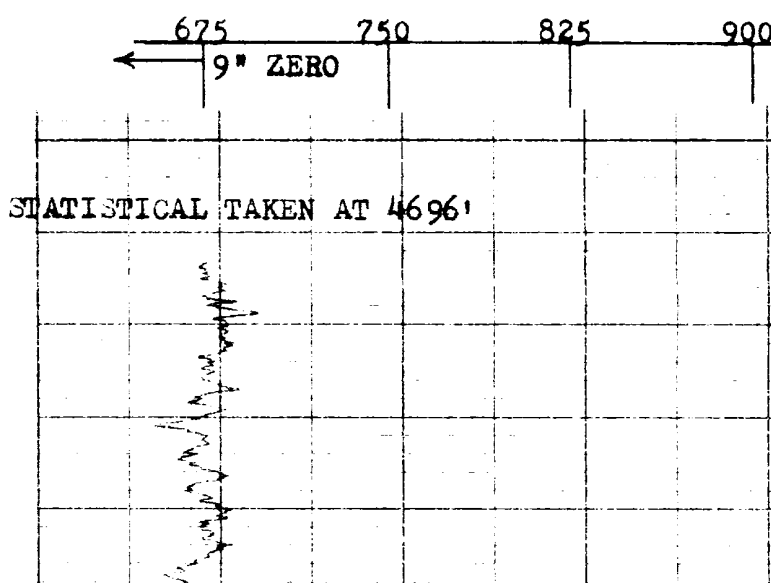
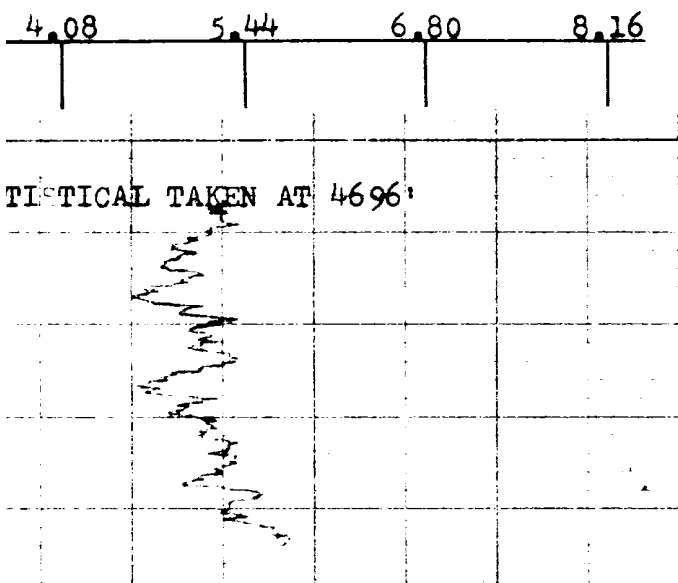
CASING RECORD (Customers)				OPEN (BORE) HOLE RECORD	
Run No.	Size—In.	Wt.—Lb.	Interval	Bit Size	Interval
1	--	--	-- to --		to
2			to	8-3/4"	-- to --
3			to		to
4			to		to
5			to		to

REMARKS OR OTHER DATA	

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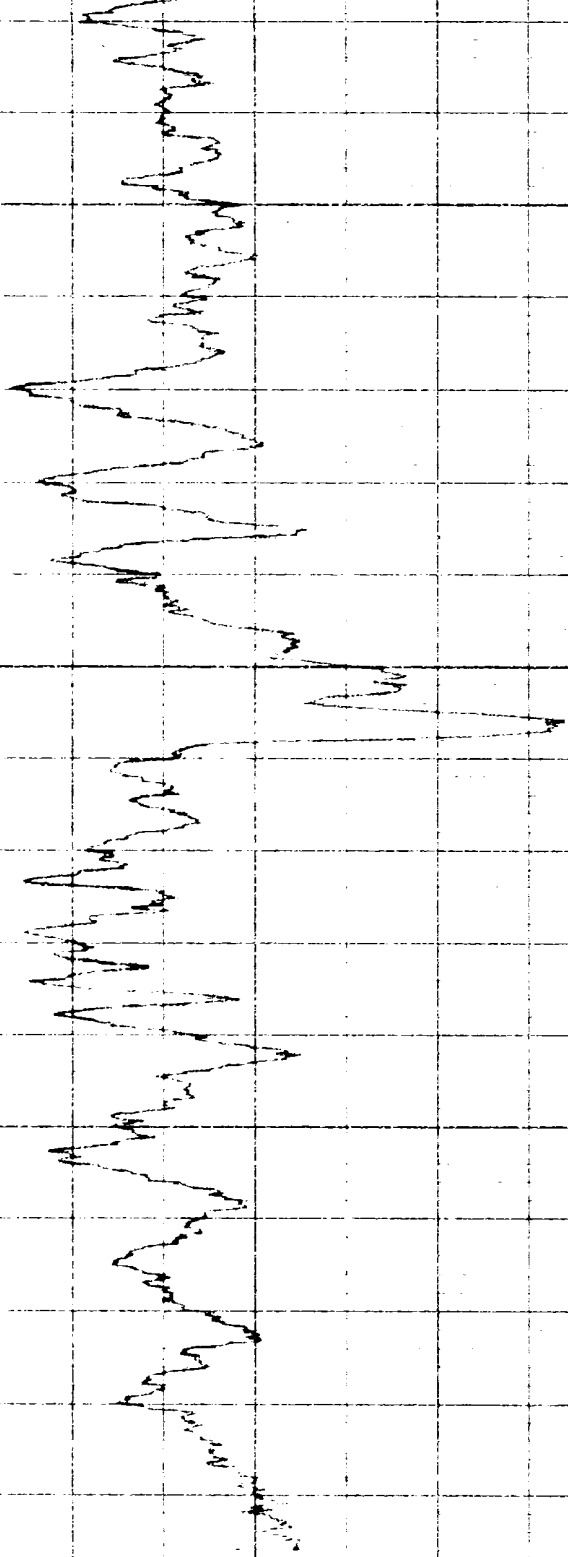
MICRO-ROENTGENS/HR.

COUNTS/SEC.

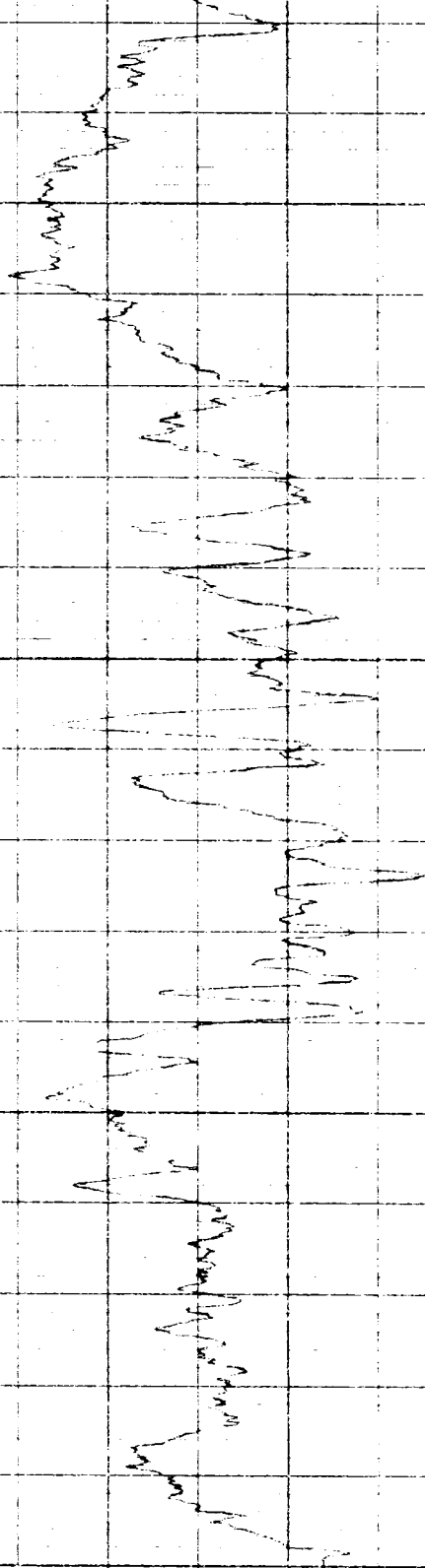


4700

4800



5100



5200



CO. BOTTOM 5204'
MOC. BOTTOM 5201'

STATISTICAL CHECK

Handwritten signature

STATISTICAL CHECK

Handwritten signature

REPEAT SECTION

Handwritten signature

5050

Handwritten signature

5100

5200

GAMMA
ZERO 3"

NEUTRON
ZERO 9"

EL PASO NATURAL
GAS PRODUCTS
HICKMAN "A" #5
GALLEGOS FIELD
DATE: 4-30-58



McCULLOUGH

TOOL COMPANY
RADIATION LOG



B-3441

Location of Well	COMPANY EL PASO NATURAL GAS PRODUCTS		COMPANY EL PASO NAT. GAS PRODUCTS	WELL HICKMAN "A" #5	FIELD GALLEGOS	COUNTY SAN JUAN STATE NEW MEXICO	LOCATION SECTION 3 - 26N - 12W C - NW - SE
	WELL HICKMAN "A" #5						
	FIELD GALLEGOS						
	COUNTY SAN JUAN STATE NEW MEXICO						
	LOCATION SECTION 3 - 26N - 12W C - NW - SE						
Log Meas. From	KELLY BUSHING	Elev.	5980'				
Drlg. Meas. From	KELLY BUSHING	Elev.	5980'				
Perm. Datum	GROUND LEVEL	Elev.	5970'				

Rec. Trk. No.	1462	Trk. No.	1454	Trk. Oper.	MODOWELL	Log Ticket No.	61030
Date	4-30-58	Maximum Recorded Temp.					
Total Depth (Driller)	5204'	Effective Depth (McCullough)		5201'			
Type of Fluid in Hole	MUD	Fluid Level		--			
O.D. of Instrument	3 1/2"	Length of Device—Overall		11'			
Neutron Source #	--	Spacing		19 1/2"	Setting --		
Recorded By	EINARSON & FUGLAAR		Witnessed By		MR. KREGER		

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Logging Speed Ft./Min.	20'		20'	
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CASING RECORD (Customers)				OPEN (BORE) HOLE RECORD	
Run No.	Size—In.	Wt.—Lb.	Interval	Bit Size	Interval
1	--	--	-- to --		to
2			to	8-3/4"	-- to --
3			to		to

4

to

to

5

to

to

REMARKS OR OTHER DATA

GAMMA

RADIATION INCREASE

NEUTRON

RADIATION INCREASE

MICRO-ROENTGENS/HR.

COUNTS/SEC.

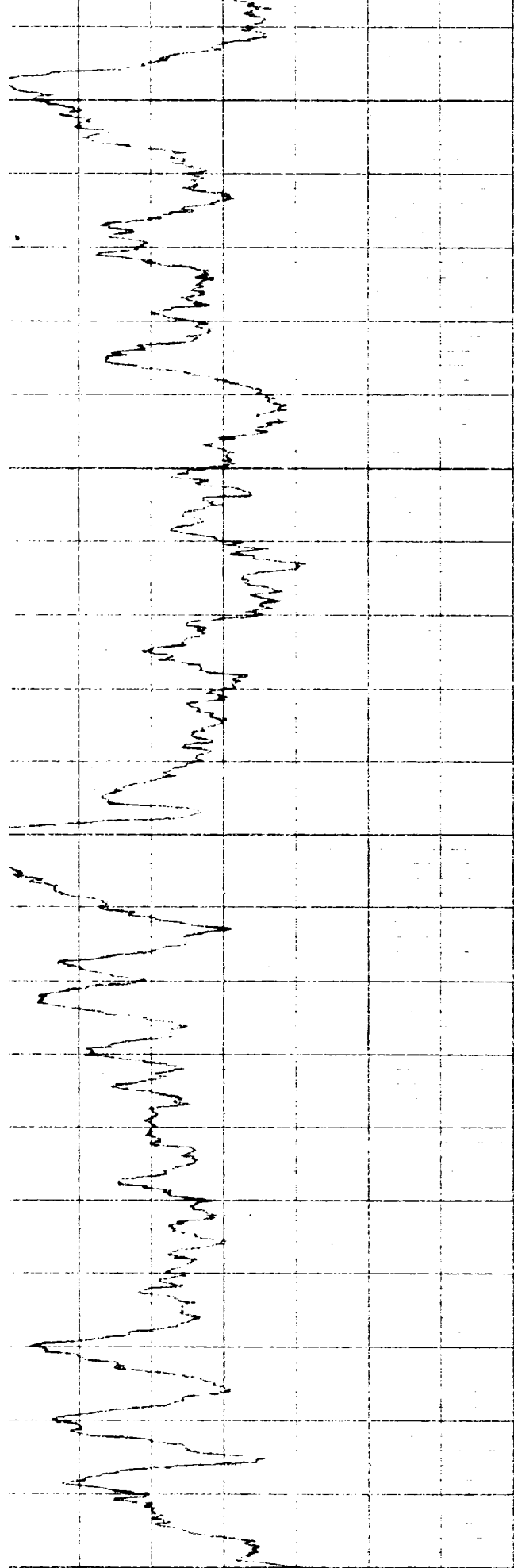
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STATISTICAL TAKEN AT 4696'

675 750 825 900
← 9" ZERO

STATISTICAL TAKEN AT 4696'

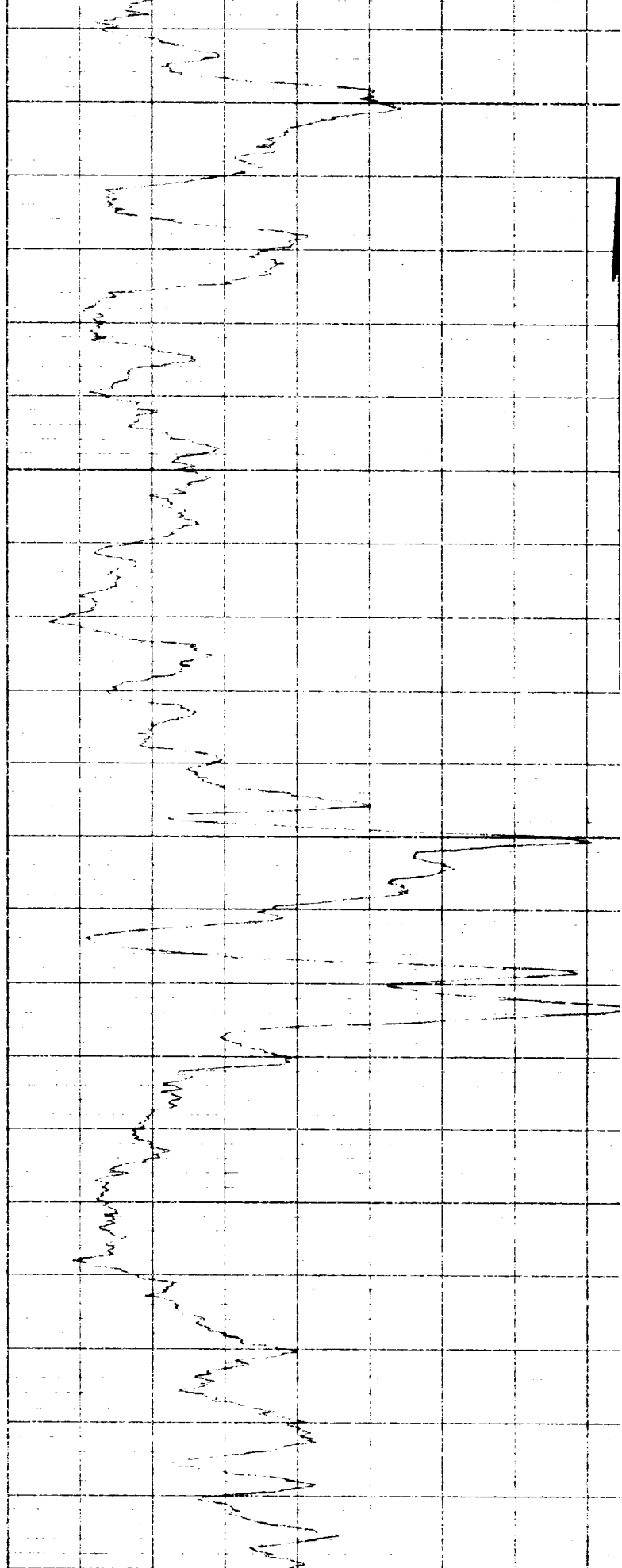
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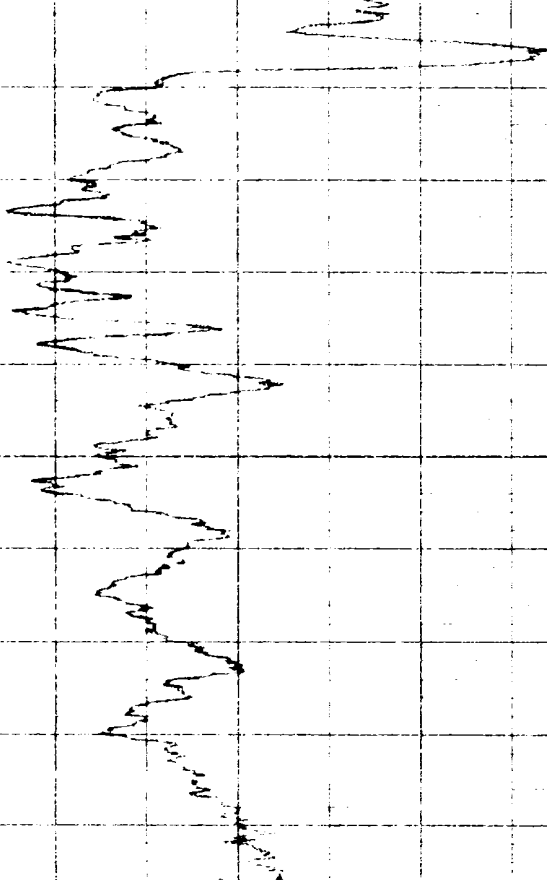


4900

5000

5100



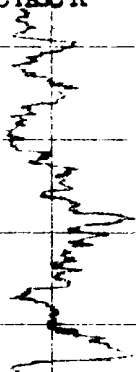


5200

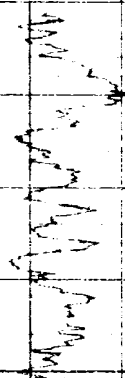


CO. BOTTOM 5204'
MOC. BOTTOM 5201'

STATISTICAL CHECK



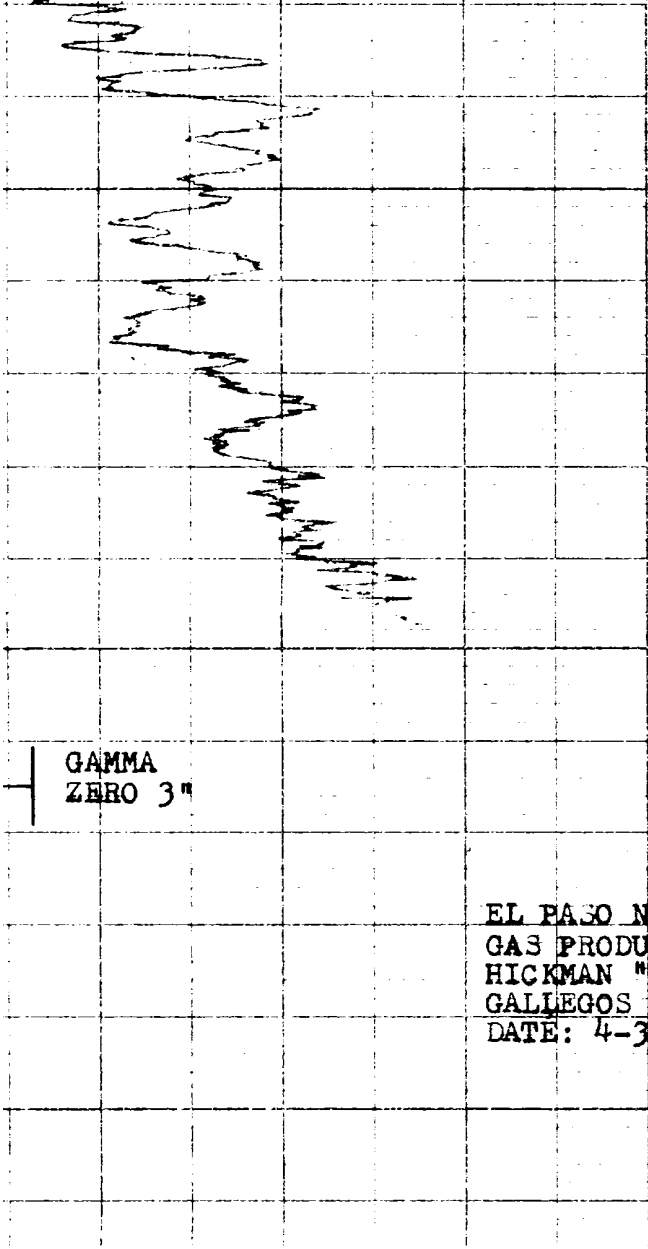
STATISTICAL CHECK



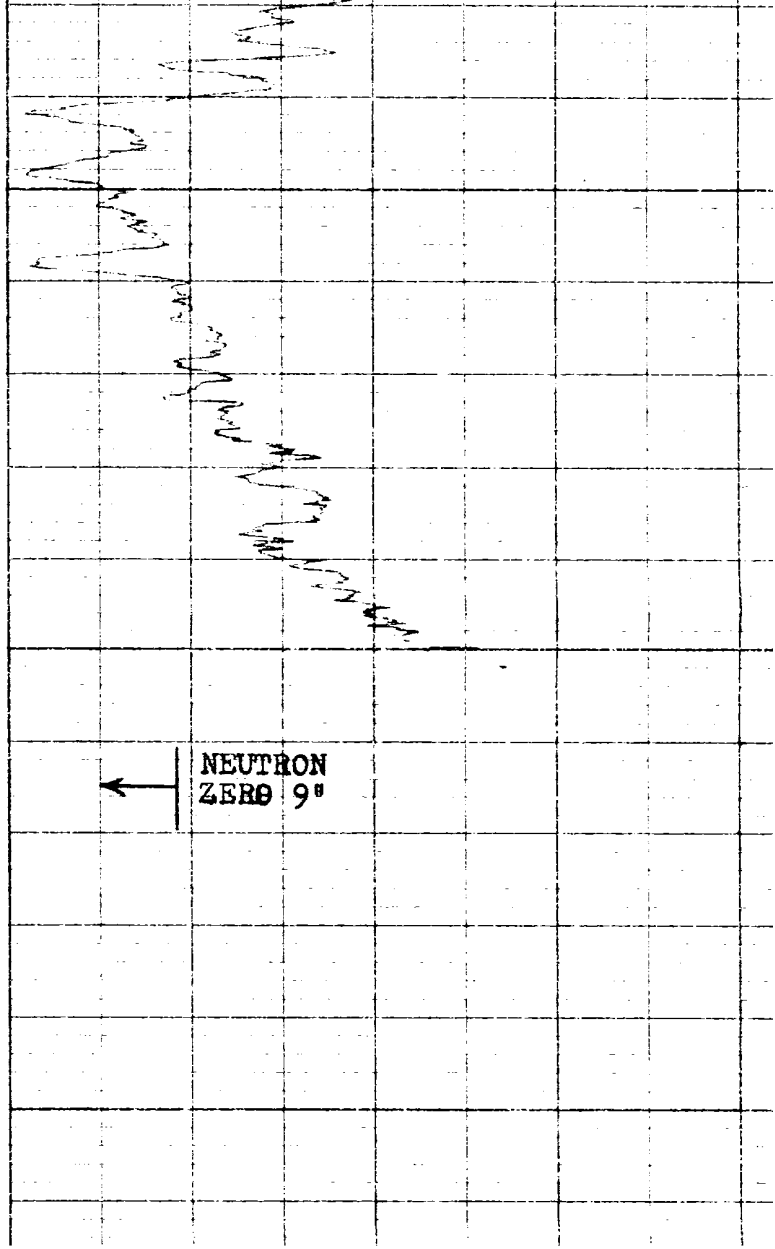
REPEAT SECTION

5050

5100



5200



EL PASO NATURAL
GAS PRODUCTS
HICKMAN "A" #5
GALLEGOS FIELD
DATE: 4-30-58