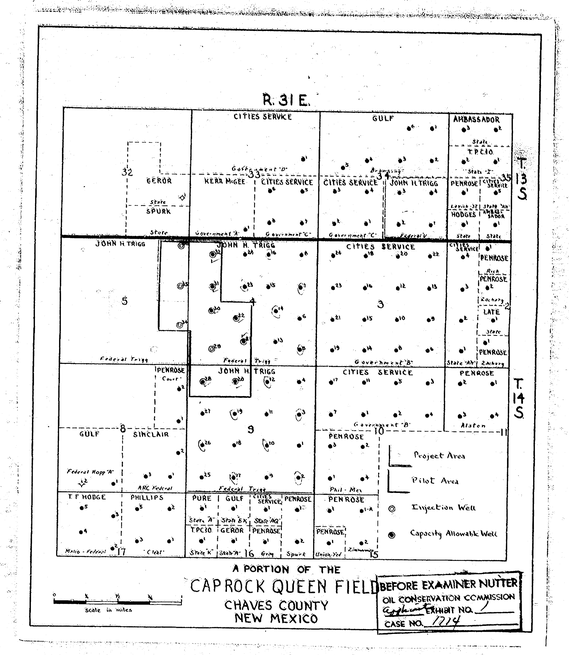
Case No.

1714

Large Exhibits


R. 31 E.
T. 13 S.
T. 14 S.
CITIES SERVICE
GULF
AMBASSADOR
GERROR
KERR McGEE
JOHN H. TRIGG
PENROSE
SPURK
SINCLAIR
PHILLIPS
E. F. HODGE
PURE
SERVICE
TPC10
Project Area
Pilot Area
Injection Well
Capacity Allowable Well
A PORTION OF THE
CAPROCK QUEEN FIELD
CHAVES COUNTY
NEW MEXICO
Scale in miles
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1
CASE NO. 1714

SCHLUMBERGER WELL SURVEYING CORPORATION

RECORDED BY THE SIMULTANEOUS

Gamma Ray-Neutron

COMPANY JOHN H. TRIGG — Other Surveys

WELL FEDERAL TRIGG

T.D. 31-4

FIELD CAPROCK

LOCATION SEC 4-13S-31E — Location of Well: 1980 'From S/L, 990 'From W/L

COUNTY LEA — Elevation: D.F. K.B. or G.L. 4135

STATE NEW MEXICO — FILING No.

COUNTY LEA. FIELD or LOCATION CAPROCK. WELL FEDERAL TRIGG. COMPANY JOHN H. TRIGG.

Log Depths Measured From GL — Ft. above

RUN NO.			
Date	3-13-59		
First Reading	2760		
Last Reading	160		
Footage Measured	2600		
Max. Depth Reached	2761		
Bottom Driller	2757		
Maximum Temp. °F.			
Fluid Nature	OIL		
Fluid level	10'		
Casing Size	in.	to	in.
Casing Weight	lb.	to	lb.
Casing Size	4 1/2 in.	to	in.
Casing Weight	9.5 lb.	to 2757	lb.
Bit Size	in.	to	in.
Bit Size	in.	to	in.
No. Counters Used	GR 1		
Type Equipment	GLAM-4		
Type Panel	GLP-C		
Opr. Rig Time	2 HOURS		
Truck No.	2527 HOUSE		
Observer	WARNER		
Witness	FUCKETT		

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3-B
CASE NO. 1714

REMARKS: CALIBRATION RECORDED ON FILE WITH NEUTRON

FOLD HERE

TEST SOURCE CPS — DAILY INCREASE DIVISIONS — PANEL SENSITIVITY FOR GAL.

C-TEST	2200	2200
	1200	1200
	600	600

NEUTRON — STANDARD COUNTS/SECOND

INTERVAL 160 to 2000 — Sensitivity 2 — Time Constant 2 sec. — Logging Speed 60 ft./min. — ZERO 10 — divisions to left of this line

INTERVAL 2000 to 2760 — Sensitivity 300 — Time Constant 2 sec. — Logging Speed 60 ft./min. — ZERO 10 — divisions to left of this line

COLLAR-RECD 12' DEEP

INTERVAL ____ to ____ — Sensitivity ____ — Time Constant ____ sec. — Logging Speed ____ ft./min. — ZERO ____ — divisions to left of this line

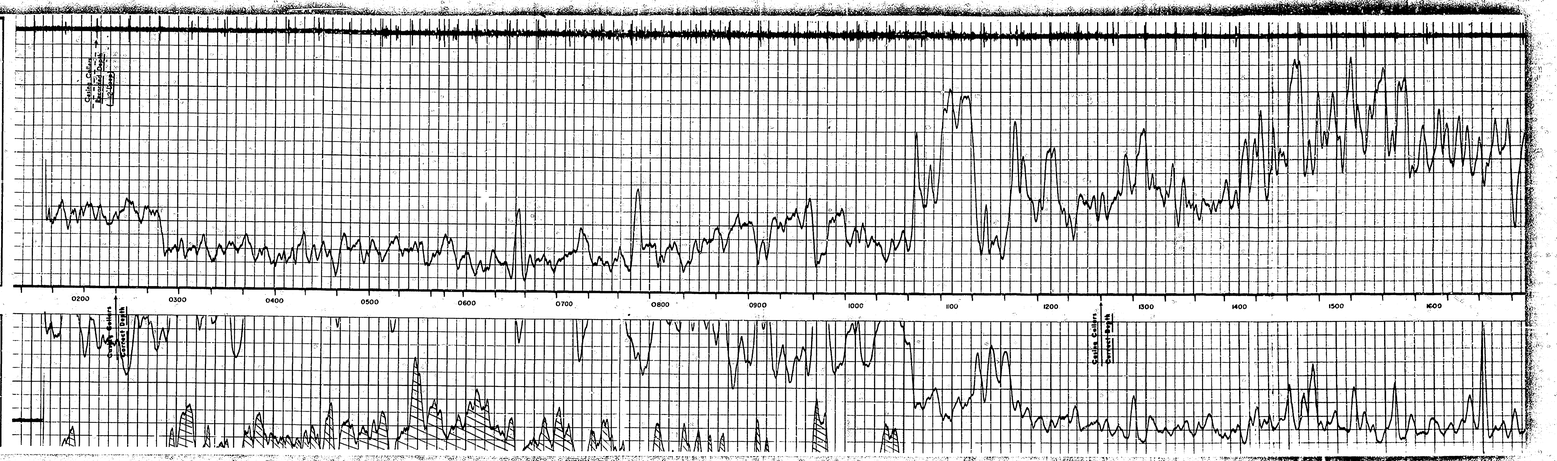
CASING COLLARS

GAMMA RAY — MICROGRAMS RA EQ TON

INTERVAL 160 to 2000 — Sensitivity 100 — Logging Speed 60 ft./min. — ZERO 0 — div. to left

INTERVAL 2000 to 2752 — Sensitivity 100 — Logging Speed 60 ft./min. — ZERO 0 — div. to left

INTERVAL ____ to ____ — Sensitivity ____ — Logging Speed ____ ft./min. — ZERO ____ — div. to left



WELEX

RADIOACTIVITY LOG

COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG 30-4
FIELD CAPROCK QUEEN
COUNTY CHAVES — STATE NEW MEXICO

Location: 2310' FSL, 990' FWL — Other Logs: NONE

Sec. 4 — Twp. 14-S — Rge. 31-E — Elevation

Permanent Datum: GROUND LEVEL — Elev. 4125' — Elevation: Kb 4131', Df 4129', Gl 4125'
Log Measured From: KELLY BUSHING
Drilling Measured From: KELLY BUSHING

	GAMMA	N/GAMMA
Type Log	GR	GR
Run No.	ONE	ONE
Date	5-18-59	5-18-59
Total Depth Driller	2763'	2763'
Precut Depth Driller	2763'	2763'
Total Depth Wdrlr.	2759'	2758'
Survey Begins	2759'	2759'
Survey Ends	0	0
Mud Data		
Type Fluid in Hole		WATER
Salinity PPM Cl		
Weight lb./gal.		
Fluid Level		140'
Max. Hole Temp.	88°	88°

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3-A
CASE NO. 1714

Recorded By: J.D. YOUNG
Witnessed By: H. PUCKETT

BORE HOLE RECORD

Run	Bit	From	To
ONE	11"	SURF	101'
	7 7/8	101'	2763'

CASING RECORD

Size	Wgt.	From	To
8 5/8"		SURF	101'
4 1/2		SURF	2763'

LOGGING TOOL DATA — Run No. ONE — Tool Serial No. 2031 — Tool Type NEUTRON — Tool Model No. 3221-103 — Diameter 3 5/8" — Tool Model No. 3000 — Type Detector Used BF3 — Diameter 1 1/2" — Length 28' — Type Detector Used SCINTILLATION — Length 5' — Type Log GAMMA RAY — Diameter 3 5/8" — Length 12' — Type Detector Used SCINTILLATION — Length 3' — Spacing 10' — Type Source 8 Ci Ra/Be — Strength 8 Ci

LOGGING DATA

Gamma Ray Setting	Depth	Speed ft./min.	T.C. sec.	Sensitivity	Neutron Setting	Sensitivity
10	SURF	60	2	80 CPS	10	300 CPS
10	2000'	60	2	80 CPS	10	300 CPS
10	2763'	*	2	80 CPS	10	300 CPS
10	2400'	60	2	80 CPS	10	300 CPS
10	2763'	*	2	80 CPS	10	300 CPS

Calibrator Run: ONE — Calibrator Used: NO. SCINTILLATOR — Calibrator Readings: 1000 CPS ON LEFT 100 CPS ON RIGHT — REMARKS: RECORDED 100% ON LEFT 10 CPS ON RIGHT

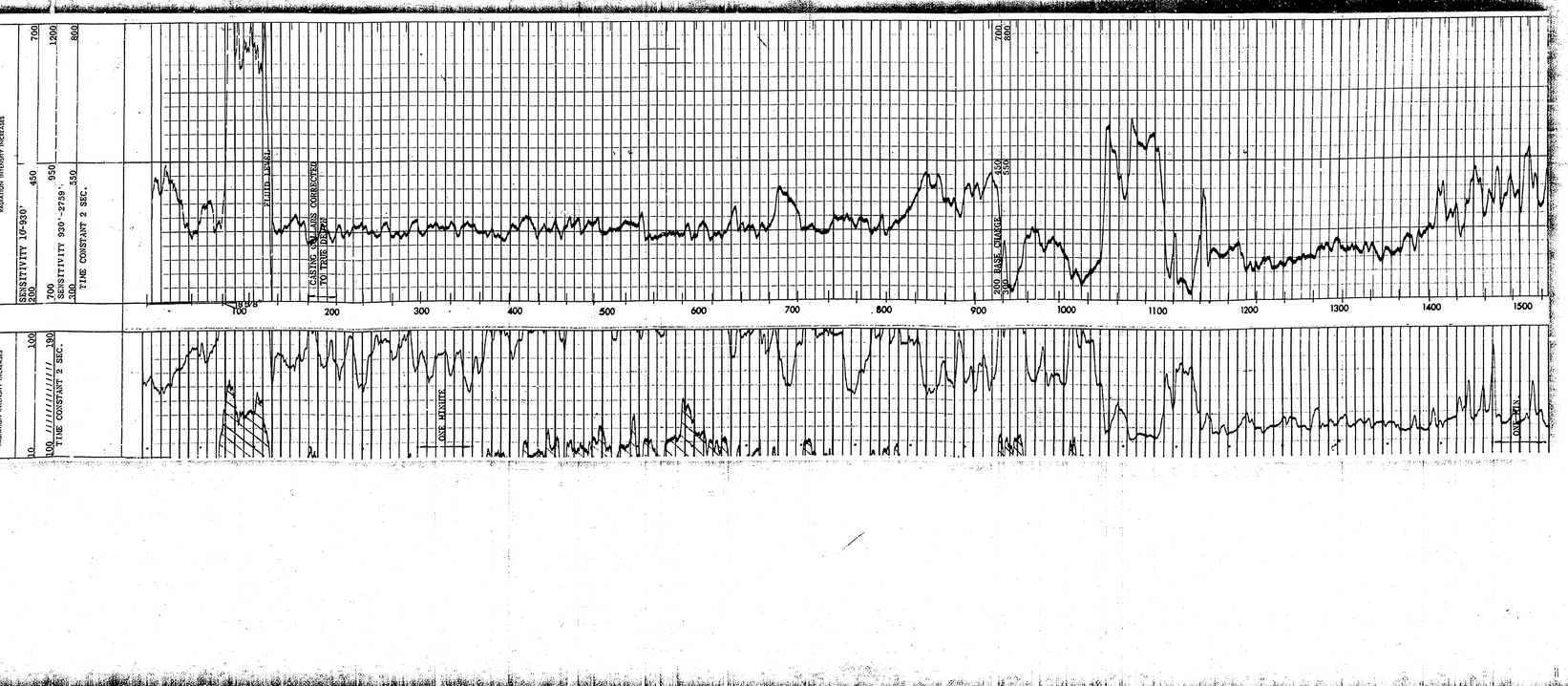
NEUTRON — RADIATION INTENSITY INCREASES

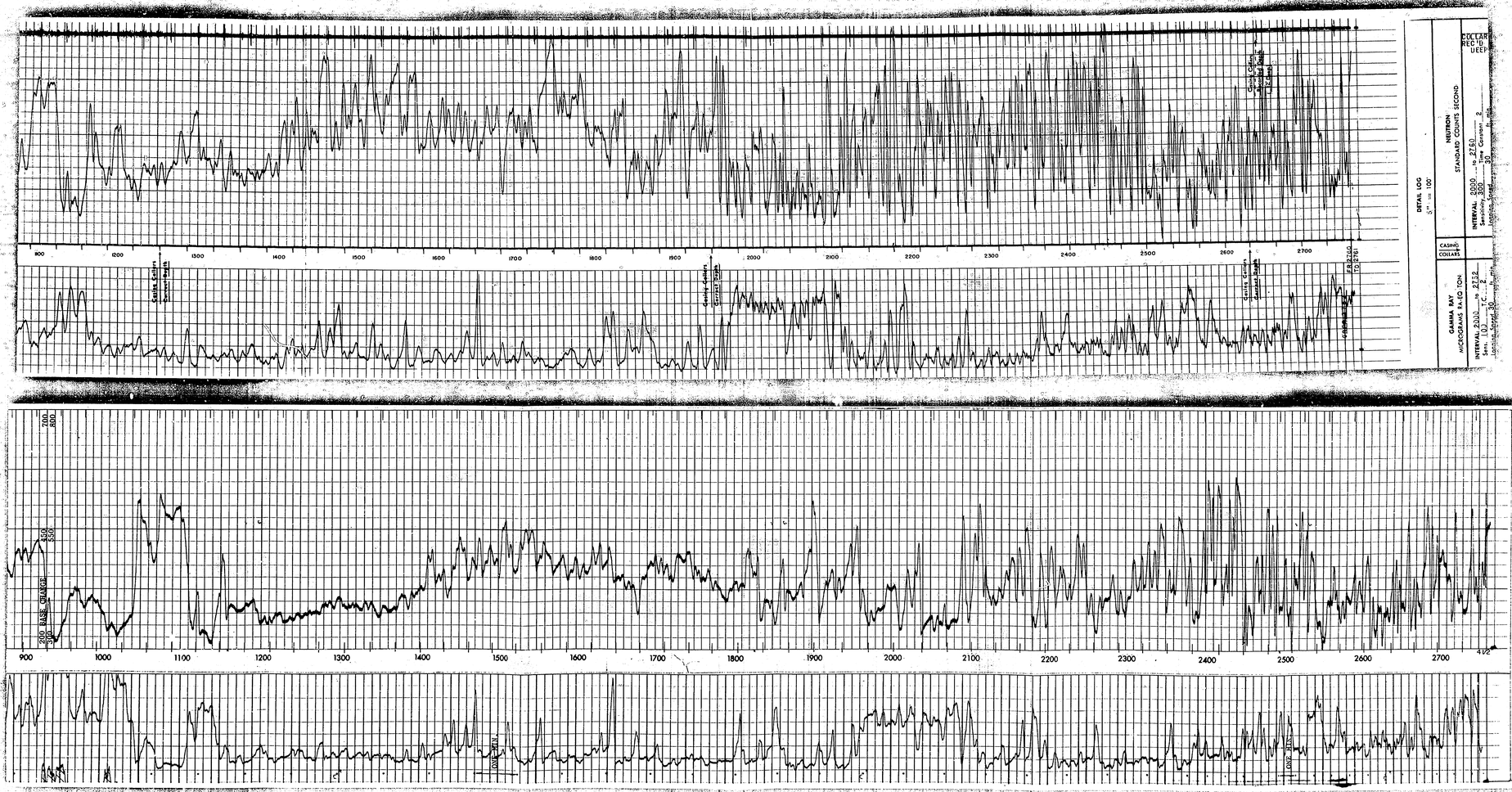
SENSITIVITY 10-950: 700 / 1200 / 800 — 450 / 950 / 550
SENSITIVITY 930-2759': 700 / 300 — 300 / 200
TIME CONSTANT 2 SEC.

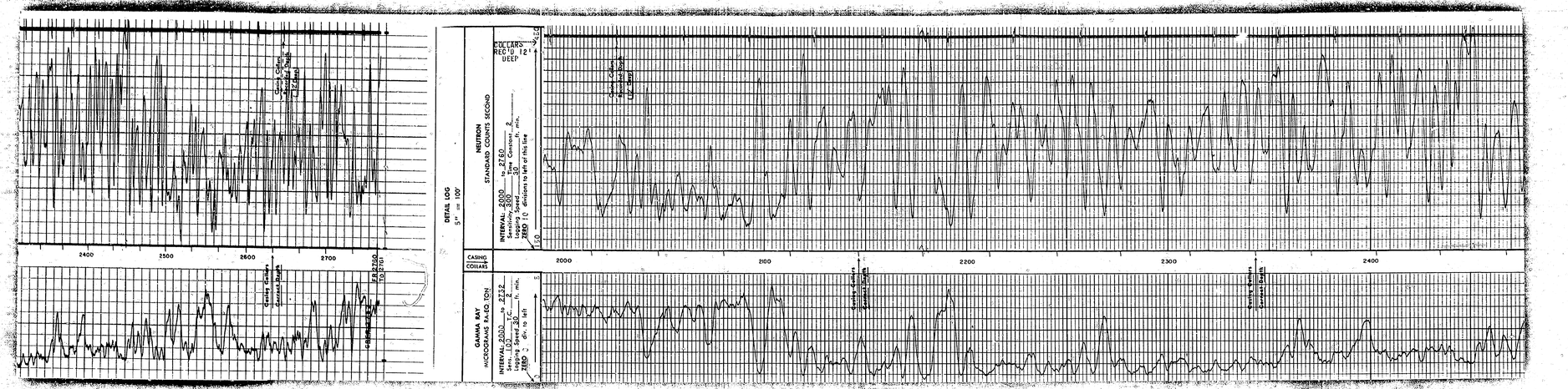
CASING & COLLAR LOG DEPTH

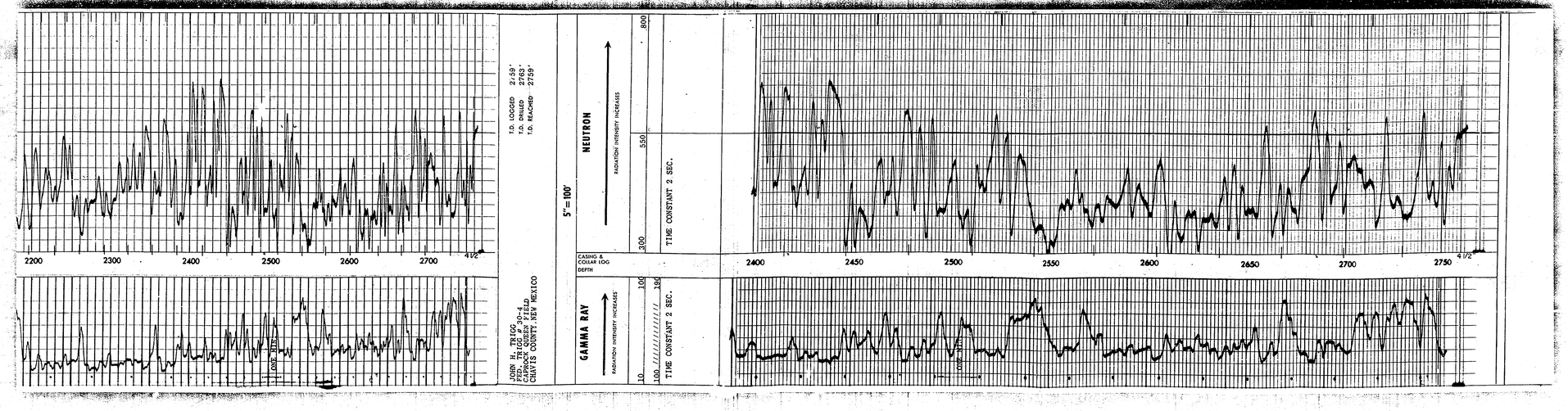
GAMMA RAY — RADIATION INTENSITY INCREASES

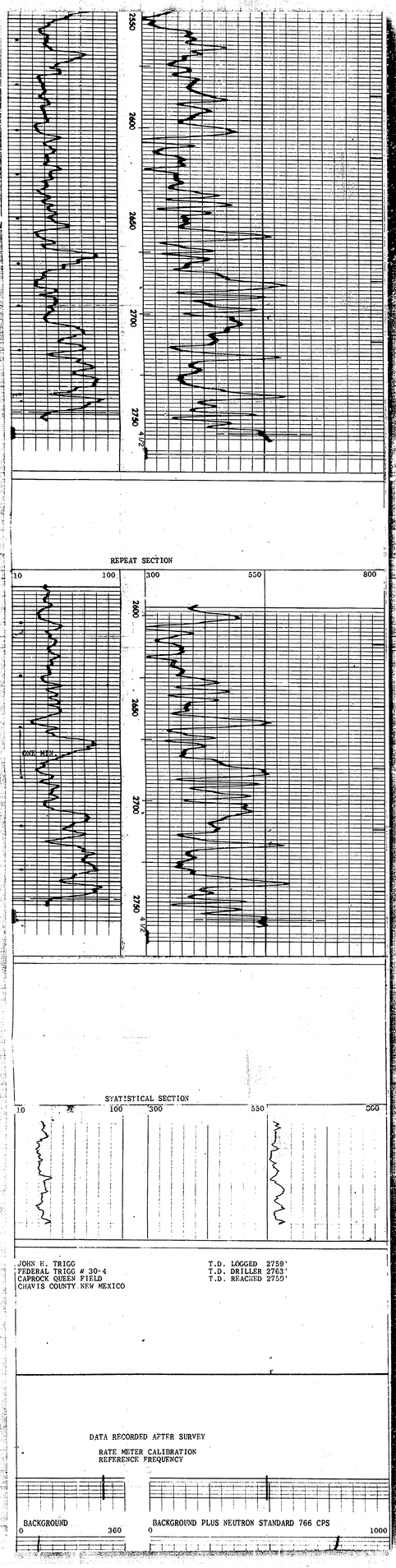
10 / 100 — 100 / 190
TIME CONSTANT 2 SEC.

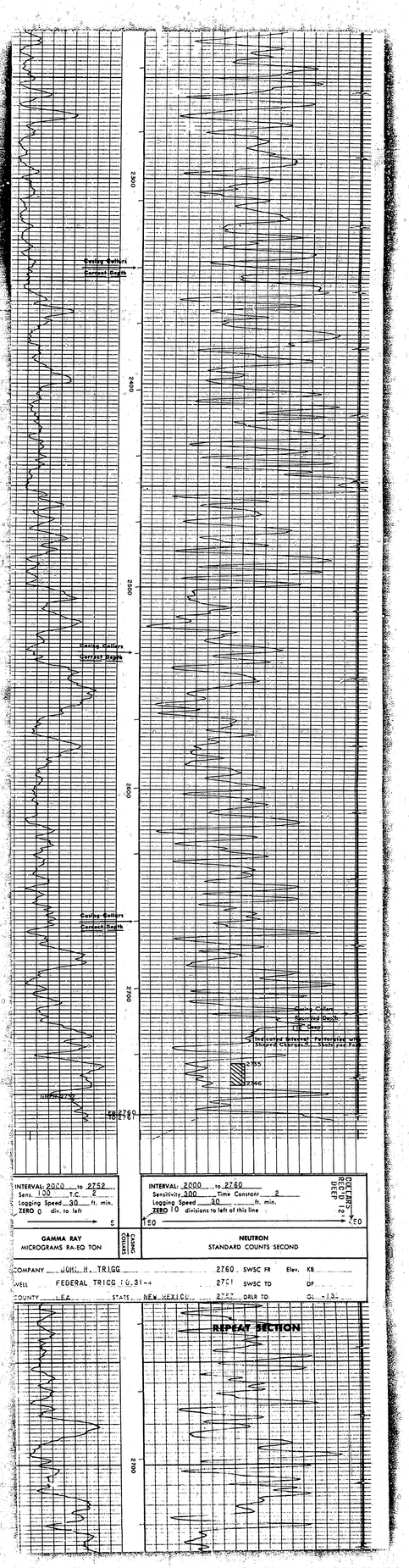



DETAIL LOG
5" = 100'
NEUTRON
STANDARD COUNTS SECOND
INTERVAL 2000 to 2760
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. per min.
CASING COLLARS
GAMMA RAY
MICROGRAMS RA EQ TON
INTERVAL 2000 to 2732
Sens. 100 T.C. 2
Logging Speed 30 ft. per min.
Casing Collars
Normal Scale
Density Gamma
Normal Scale
Gamma Gamma
Standard Scale
Density Gamma
Compensated Scale
FB 2760
TD 2761
FB 2760
TD 2761
200 400
200 BASE CHANGE 450 550
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
T.D. LOGGED 2761'
T.D. DRILLED 2763'
JOHN H. TRIGG
ATLANTIC OIL CO.
CARROLL COUNTY FIELD


DETAIL LOG
5" = 100'
NEUTRON
STANDARD COUNTS SECOND
DECLARS
REC'D 12
DEEP
INTERVAL 2000 to 2750
Sensitivity 300 Time Constant 2 sec.
Logging Speed 30 ft. per min.
ZERO 10 divisions to left of this line
CASING COLLARS
GAMMA RAY
MICROGRAMS Ra-EQ. TON
INTERVAL 2000 to 2752
Sens. 10 Speed 30 ft. per min.
ZERO 0 div. to left
Casing Collars
Gamma Ray
Neutron
Deep Laterolog
2000
2100
2200
2300
2400
2400
2500
2600
2700
FR 2750
TO 2761


T.D. LOGGED 2759'
T.D. DRILLED 2761'
T.D. REACHED 2759'
JOHN H. TRIGG
TRIGG #10-d
CAPROCK QUEEN FIELD
CHAVES COUNTY, NEW MEXICO
5" = 100'
NEUTRON
RADIATION INTENSITY INCREASES
800
550
300
TIME CONSTANT 2 SEC.
CASING & COLLAR LOG DEPTH
GAMMA RAY
RADIATION INTENSITY INCREASES
10
100
100
200
TIME CONSTANT 2 SEC.
2200
2300
2400
2500
2600
2700
4 1/2
2400
2450
2500
2550
2600
2650
2700
2750
4 1/2


2550
2600
2650
2700
2750
4 1/2
REPEAT SECTION
10
100
300
550
800
ONE MIN
2600
2650
2700
2750
4 1/2
STATISTICAL SECTION
10
100
300
550
800
JOHN H. TRIGG
FEDERAL TRIGG # 30-4
CAPROCK QUEEN FIELD
CHAVIS COUNTY NEW MEXICO
T.D. LOGGED 2759'
T.D. DRILLER 2763'
T.D. REACHED 2759'
DATA RECORDED AFTER SURVEY
RATE METER CALIBRATION
REFERENCE FREQUENCY
BACKGROUND
0
360
BACKGROUND PLUS NEUTRON STANDARD 766 CPS
0
1000


2300
2400
2500
2600
2700
Casing Collars
Correct Depth
Casing Collars
Correct Depth
Casing Collars
Corrected Depth
13' Deep
Indicated Interval Perforated with
Shaped Charges 4 Shots per Foot
2735
2746
TOTAL DEPTH 2760
KB 2760
DF 2761
INTERVAL: 2000 to 2752
Sens. 100 T.C. 2
Logging Speed 30 ft. min.
ZERO 0 div. to left
5
GAMMA RAY
MICROGRAMS RA-EQ TON
CASING COLLARS
INTERVAL: 2000 to 2760
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. min.
ZERO 10 divisions to left of this line
150
150
NEUTRON
STANDARD COUNTS SECOND
COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG NO.30-4
COUNTY LEA STATE NEW MEXICO
2760 SWSC FR Elev. KB
2761 SWSC TD DF
2757 DRLR TD GL 3134
REPEAT SECTION

STATISTICAL SECTION

10 | 100 | 300 | 550 | 900

JOHN H. TRIGG
FEDERAL TRIGG # 30-4
CAPROCK QUEEN FIELD
CHAVIS COUNTY, NEW MEXICO

T.D. LOGGED 2759'
T.D. DRILLER 2763'
T.D. REACHED 2759'

DATA RECORDED AFTER SURVEY

RATE METER CALIBRATION
REFERENCE FREQUENCY

BACKGROUND 0 360

BACKGROUND PLUS NEUTRON STANDARD 766 CPS 0 1000

BACKGROUND PLUS GAMMA 0 STANDARD 188 CPS 360

BACKGROUND 0 1000

BACKGROUND 0 360

BACKGROUND 0 1000

RATE METER FULL SCALE

RATE METER ZERO

DATA RECORDED AFTER SURVEY

RATE METER CALIBRATION
REFERENCE FREQUENCY

BACKGROUND 0 360

BACKGROUND PLUS NEUTRON STANDARD 766 CPS 0 1000

BACKGROUND PLUS GAMMA 0 STANDARD 188 CPS 360

BACKGROUND 1000

BACKGROUND 0 360

BACKGROUND 1000

RATE METER FULL SCALE

RATE METER ZERO

2700

Casing Collars
Correct Depth

2800

Casing Collars
Correct Depth

2900

Casing Collars
Correct Depth

Indicated Interval Perforated with 4 Shots per Foot

2745

2746

Interval

2752 2760

INTERVAL 2020 to 2752
Sens. 100 T.C. 2
Logging Speed 30 ft. min.
ZERO 0 div. to left

GAMMA RAY
MICROGRAMS RA-EQ TON

CASING COLLARS

INTERVAL 2000 to 2780
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. min.
ZERO 10 divisions to left of this line

NEUTRON
STANDARD COUNTS SECOND

COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG I.O.31-4
COUNTY LEA STATE NEW MEXICO

2760 SWSC FR Elev. KB
2761 SWSC TD DF
2757 DRLR TD GL -13

REPEAT SECTION

2700

SCHLUMBERGER WELL SURVEYING CORPORATION

MULTI-TYPE SIMULTANEOUS

Gamma Ray-Neutron

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG # 32-4

FIELD CAPROCK QUEEN

LOCATION Sec. 4 - 19S - 31E

COUNTY CHAVES

STATE NEW MEXICO

Other Surveys: SC

Location of Well: 660' fr. S/L, 990' fr. W/L

Elevation: D.F. 4140, K.B., or G.L. 4135

FILING No.

Log Depths Measured From KB 6.0 Ft. above GL

FIELD COPY

RUN NO.	1
Date	7-3-59
First Reading	2793
Last Reading	109
Footage Measured	2693
Max. Depth Reached	2744
Bottom Driller	
Maximum Temp. F.	
Fluid Level	FULL
Fluid Nature	WATER
Casing Size	8 5/8 in. wt. SUR to 90 lb. ft. to
Casing Weight	4½ in. wt. SUR to TD lb. ft. to
Casing Size	9½ in. wt. SUR to TD lb. ft. to
Casing Weight	7⅞ in. wt. 90 to TD lb. ft. to
Bit Size	in. to
Bit Size	GR-2 W-1
No. Counters Used	GNAM-3
Type Equipment	SNDH-C
Type Panel	2-HH
Opr. Rig Time	2555 - Hobbs
Truck No.	VAW
Observer	Snow

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Gulf EXHIBIT NO. 2-D
CASE NO. 1274

COUNTY / FIELD OR LOCATION / WELL / COMPANY

RECORDED BY / WITNESSED BY

TIED IN WITH / SOURCE EFF. / GAIN INCREASE DIVISIONS

FORMATION DENSITY LOG / GAMMA RAY / NEUTRON

REMARKS

PANEL SIGNAL TAP FOR CAL: 2.0 / 500-500 / 100 / C-175-A15 / 2.70 / C-960 Case

NEUTRON
STANDARD COUNTS SECOND

INTERVAL 100 to 2365' | Sensitivity 300 | Speed 60 | Time Constant 1" | ft. min. | 1250 B | divisions to left of this line | 20 | 40

INTERVAL 2345' to 2793' | Sensitivity 300 | Logging Speed 30 | Time Constant 2" | ft. min. | ZERO B | divisions to left of this line | 20 | 40

Caliper Record — Corrected Depths

Caliper Record — Carried Depths

CASING COLLARS

GAMMA RAY
MICROROENTGENS RA-EQ TON

INTERVAL 100 to 2365' | Sens. 100 | Logging Speed 60 | ft. min. | ZERO 0 | div. to left | 0 | 5

INTERVAL 2345' to 2793' | Sens. 100 | Logging Speed 30 | ft. min. | ZERO 0 | div. to left | 0 | 5

INTERVAL | T.C. | ft. min. | Logging Speed | div. to left | TRO

0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600

WELEX

RADIOACTIVITY LOG

COMPANY JOHN H. TRIGG COMPANY

WELL FEDERAL TRIGG # 32-4

FIELD CAPROCK QUEEN

COUNTY CHAVIS STATE NEW MEXICO

Location: 2310'/N. 664'/N. Sec. 4 Twp. 14-S Rge. 31-E

Other Logs: NONE

Elevation: GROUND LEVEL Elev. 4140'; K.B. 4148'; D.F. 4138'; G.L. 4136'

Permanent Datum GROUND LEVEL Elev. 4140'
Log Measured From DRIVE BUSHING 8' A.P.D.
Drilling Measured From DRIVE BUSHING

	GAMMA RAY NEUTRON	N. GAMMA RAY NEUTRON
Type Log		
Run No.	ONE	ONE
Date	5-25-58	5-25-58
Total Depth Driller	2762'	2762'
Present Depth Driller	2762'	2762'
Total Depth Welex	2761'	2761'
Survey Begins	2751'	2761'
Survey Ends	10'	10'
Mud Data	WATER BASE	
Type Fluid in Hole	MUD	MUD
Salinity PPM Cl		
Weight lb./gal.		
Fluid Level	213'	90
Max. Hole Temp.		
Recorded By	P.C. HARRIS	
Witnessed By	H. RICKETT	

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
dpp. EXHIBIT NO. 3
CASE NO. 1274

BORE HOLE RECORD

Run	Bit	From	To
-1-	11"	SURF.	110'
1	7 7/8	110'	2762'

CASING RECORD

Size	Wgt.	From	To
8 5/8"	32	SURF.	110'
5 1/2"		SURF.	

LOGGING TOOL DATA

Test Detail No. 2003
Test Truck No. 321-1018
Log Detail No. 2000
Truck No. 321-1018
Log Type NEUTRON GAMMA
Detector Model No. 6000
Source Model No. 4 3/8"
Source No. N. Source
Detector Model No. 6000
Type GEIGER MUELLER
Length 28"
Source Model No. 4 3/8"
Source No. N. Source
Detector Model No. 6000
Type GEIGER MUELLER
Length 18"
Spacing 10'
Size 3 3/8"
Length 300 MC

RECORDED RADIOACTIVITY LOGGING
BELOW CASING

LOGGING DATA

Depth	Speed	T. C.	Sensitivity	Range	Source
2762' to 2700'	30	2	100	0-200	100 MC
2700' to 2400'	60	2	100	0-200	100 MC
2400' to 100'	60	2	100	0-200	100 MC

Gamma Ray Calibrator Used: Yes
Gamma Ray Background Checked: Yes
Gamma Ray Background: 20 CPS
Gamma Ray Standardized: Yes, 1.0 MC STANDARD LOG CPS
Remarks: RECORDED RADIOACTIVITY LOG BELOW CASING COLLARS CORRECTED TO HOLE DEPTH

Run	Tool	Serial No.	Diameter	Length	Max. Temp.	Recorded
1	GAMMA RAY NEUTRON	2000	3 5/8"	28"	90°	5-25-58
1	GAMMA RAY NEUTRON	2000	3 5/8"	28"	90°	5-25-58

NEUTRON - GAMMA
COUNTS PER SECOND

SENSITIVITY 0 - 200' 1400 800
SENSITIVITY 200'-2761' 900 550
TIME CONSTANT 2 SEC. 300

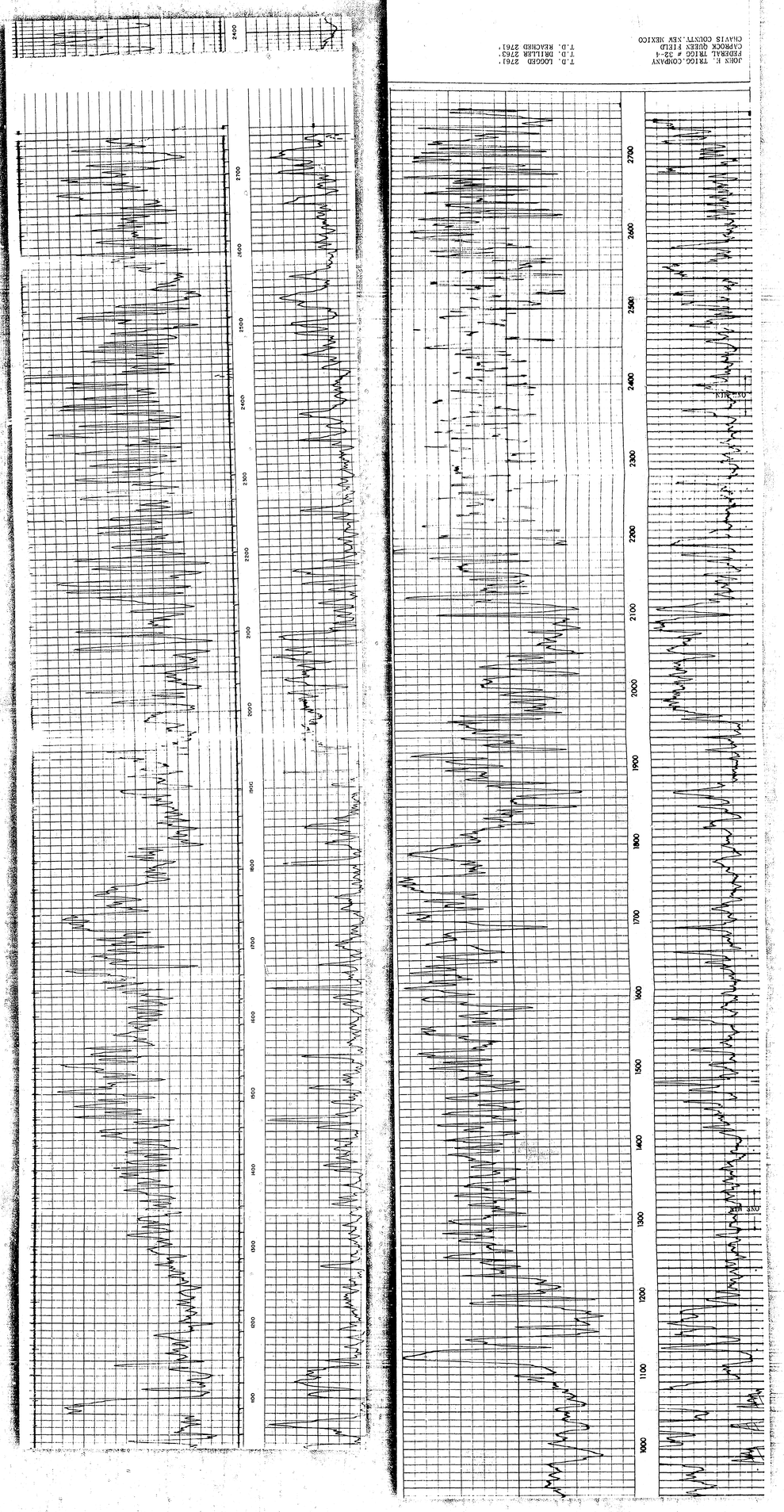
Depth Coding Carriers

GAMMA
COUNTS PER SECOND

0 90 180
TIME CONSTANT 2 SEC.

8-5/8" CSG. SHOE

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600


JOHN H. TRICE COMPANY
FEDERAL TRICE # 32-4
CAPROCK QUEEN FIELD
CHAVIS COUNTY, NEW MEXICO
T.D. LOGGED 2761'.
T.D. DRILLER 2763'.
T.D. REACHED 2761'.
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
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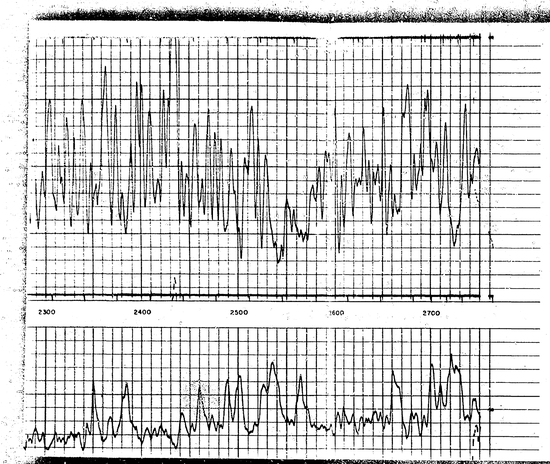
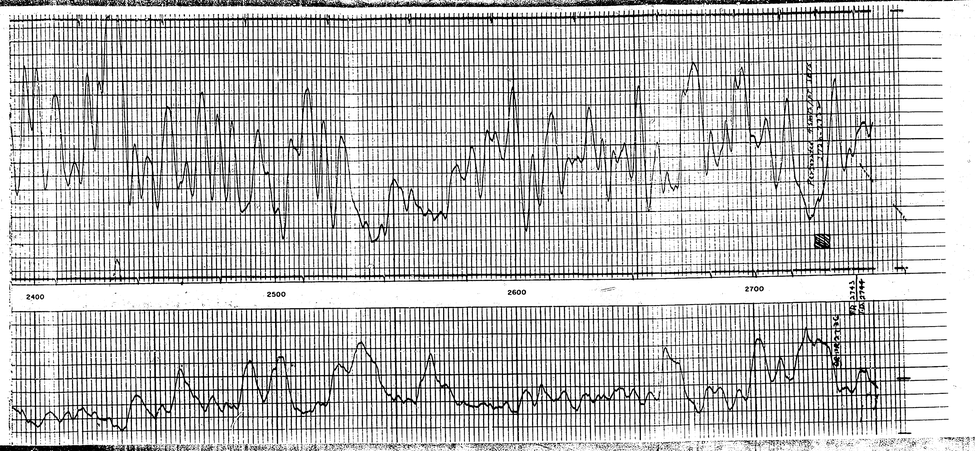
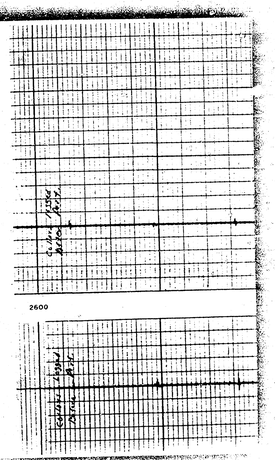
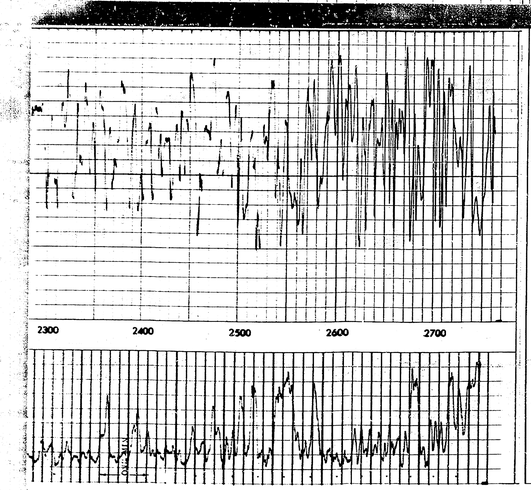
9800
9900
10000



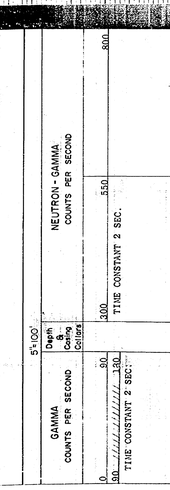


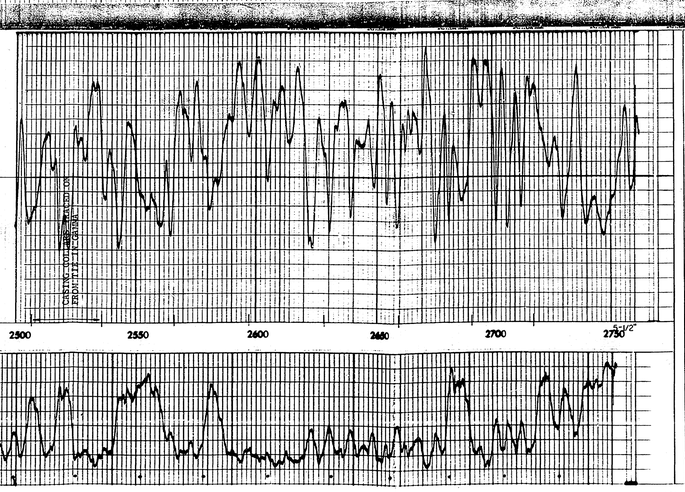


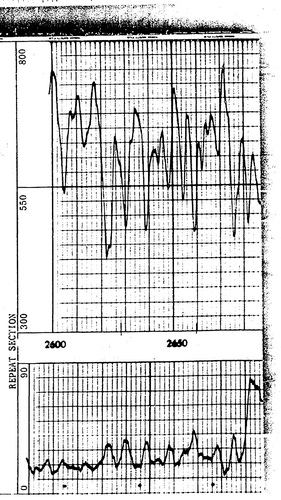


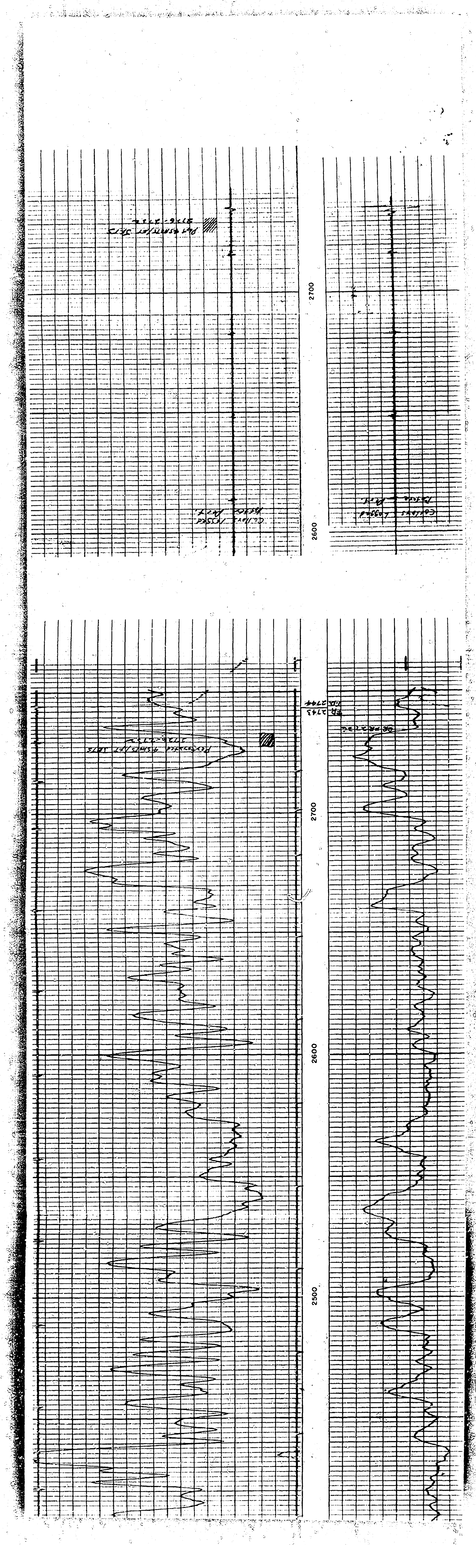
T.D. LOGGED 2761'
T.D. DRILLER 2763'
T.D. REACHED 2761'

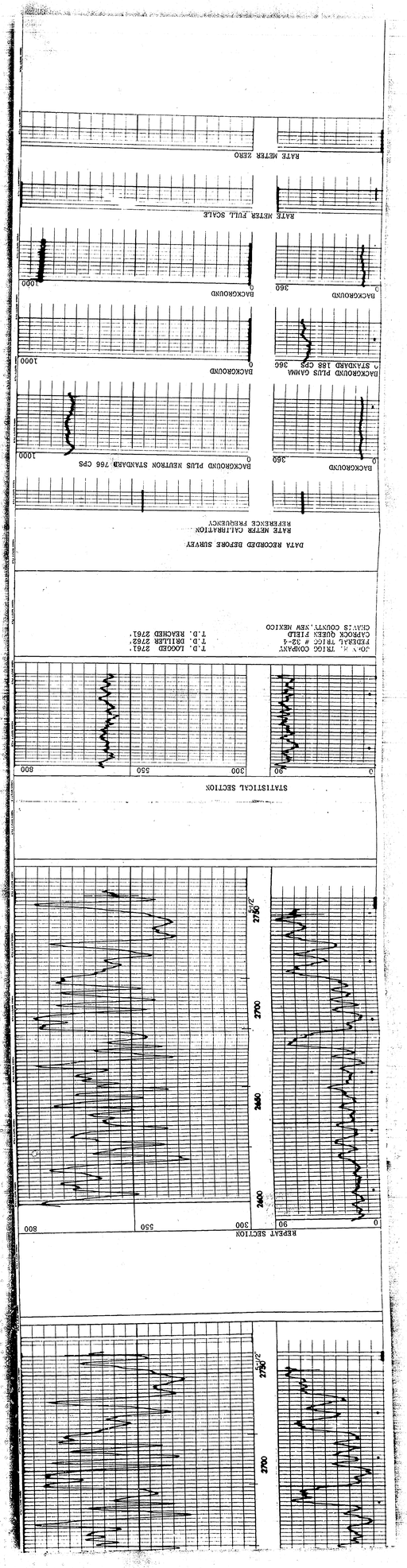
JOHN H. TRIGG COMPANY
TRIGG "B" NO. 2
CAPROCK QUEEN FIELD
CHAVIS COUNTY, NEW MEXICO

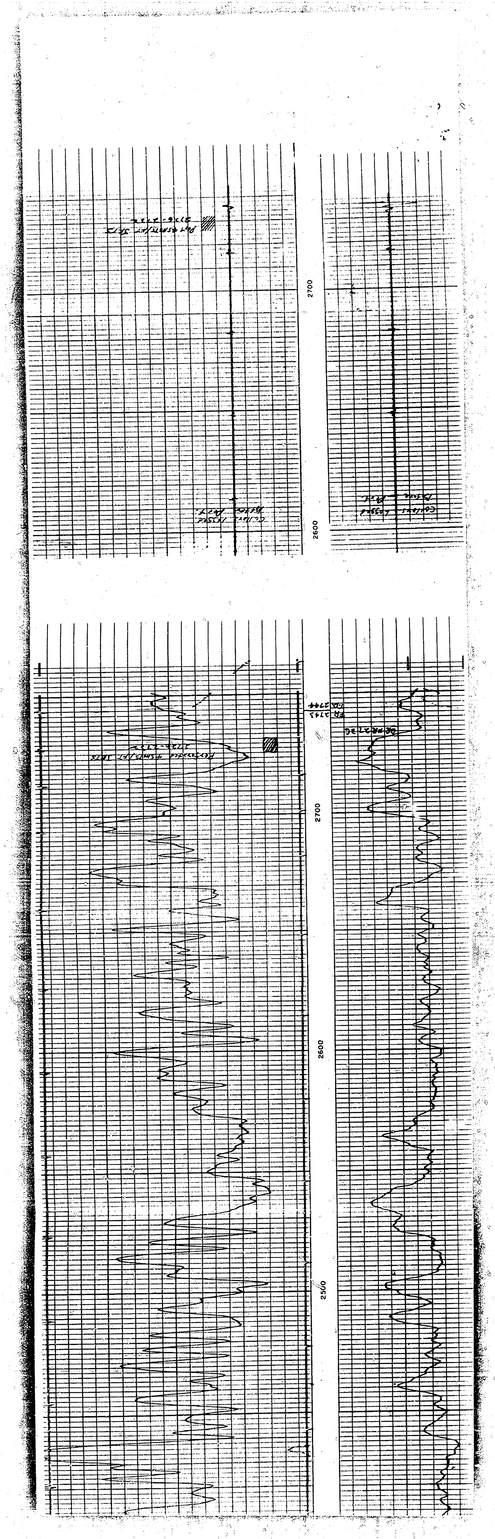


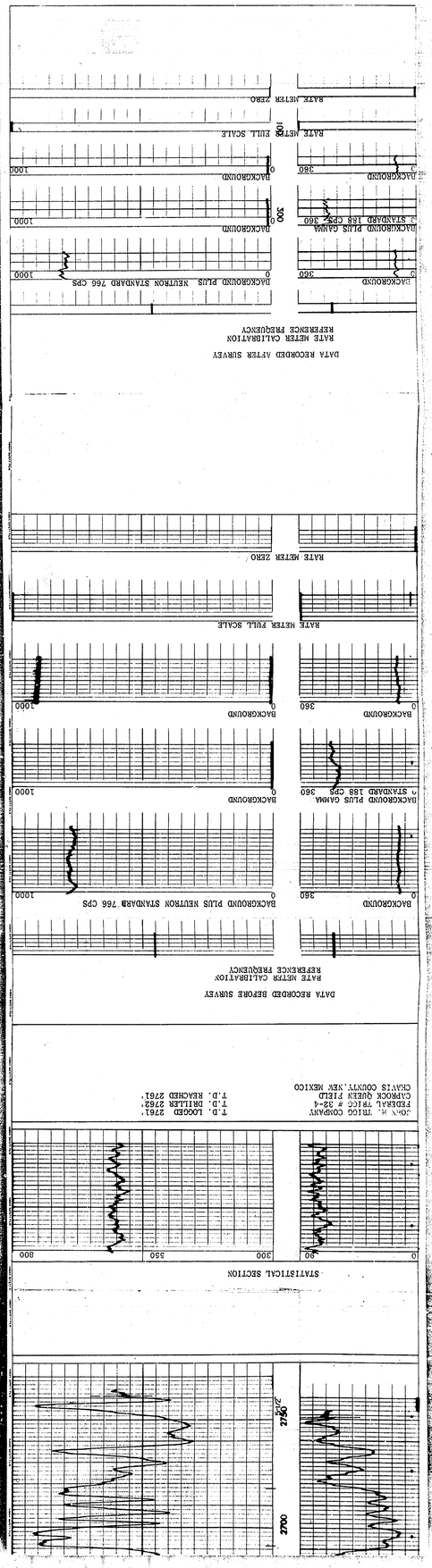





2700
2600
2500


RATE METER ZERO
RATE METER FULL SCALE
BACKGROUND
BACKGROUND PLUS GAMMA 1 STANDARD 188 CPS
BACKGROUND PLUS NEUTRON STANDARD 766 CPS
DATA RECORDED BEFORE SURVEY
RATE METER CALIBRATION
REFERENCE FREQUENCY
JOHN M. TRIGG COMPANY
FEDERAL TRIGG # 32-4
CAPROCK QUEEN FIELD
CHAVES COUNTY, NEW MEXICO
T.D. LOGGED 2761'
T.D. DRILLER 2762'
T.D. REACHED 2761'
STATISTICAL SECTION
REPEAT SECTION
2700
2600
2500


2700
2600
2500
2700
2600
2700


RATE METER ZERO
RATE METER FULL SCALE
BACKGROUND
BACKGROUND PLUS NEUTRON STANDARD 766 CPS
BACKGROUND PLUS GAMMA STANDARD 188 CPS
DATA RECORDED AFTER SURVEY
RATE METER CALIBRATION
REFERENCE FREQUENCY
JOHN H. TRICO COMPANY
FEDERAL TRICO # 32-4
CAPROCK QUEEN FIELD
CHAVES COUNTY, NEW MEXICO
T.D. LOGGED 2761'.
T.D. DRILLER 2762'.
T.D. REACHED 2761'.
STATISTICAL SECTION
2700

SCHLUMBERGER WELL SURVEYING CORPORATION

SIMULTANEOUS

Gamma Ray-Neutron

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG # 36-5

FIELD CAPROCK QUEEN

LOCATION SEC. 5-14S-31E

COUNTY CHAVES

STATE NEW MEXICO

Other Surveys: SC

Location of Well: 330'ft. N/L, 330'ft. E/L

Elevation: D.F. 4114, K.B., or G.L. 4103

FILING No.

Log Depths Measured From KB 6.0 Ft. above GL

RUN NO.	1		
Date	7-3-59		
First Reading	2720		
Last Reading	100		
Footage Measured	2620		
Max. Depth Reached	2721		
Bottom Driller	2721		
Maximum Temp. °F.			
Fluid Nature	WATER		
Fluid Level	50		
Casing Size	8⅝ in.		in.
Casing Weight	lb.	SUR to 90'	lb.
Casing Size	4½ in.		in.
Casing Weight	9½ lb.	SUR to TD	lb.
Bit Size	7⅞ in.	90 to 720	in.
Bit Size	in.	to	in.
No. Counters Used	GR-2	N-1	
Type Equipment	GNRM-3		
Type Panel	GNR-C		
Opr. Rig Time	2-HRS.		
Truck No.	2525-HRS.		
Observer	VAHN		
Witness	SWEM		

FIELD COPY

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2-A
CASE NO. 1714

TIED LOWER CSG. SHOE TO TOP OF FOLD HERE: 2720 / 2744 / 2721

CASING COLLARS

GAMMA RAY MICROGRAMS RA-EQ/TON: INTERVAL 100 to 2365 / Sens. 100 Time Constant 1 / Logging Speed 60 ft./min. / 1000 0 divisions to left of this line

NEUTRON STANDARD COUNTS/SECOND: INTERVAL 100 to 2365 / Sensitivity 300 Time Constant 1 / Logging Speed 60 ft./min. / 1000 8 divisions to left of this line

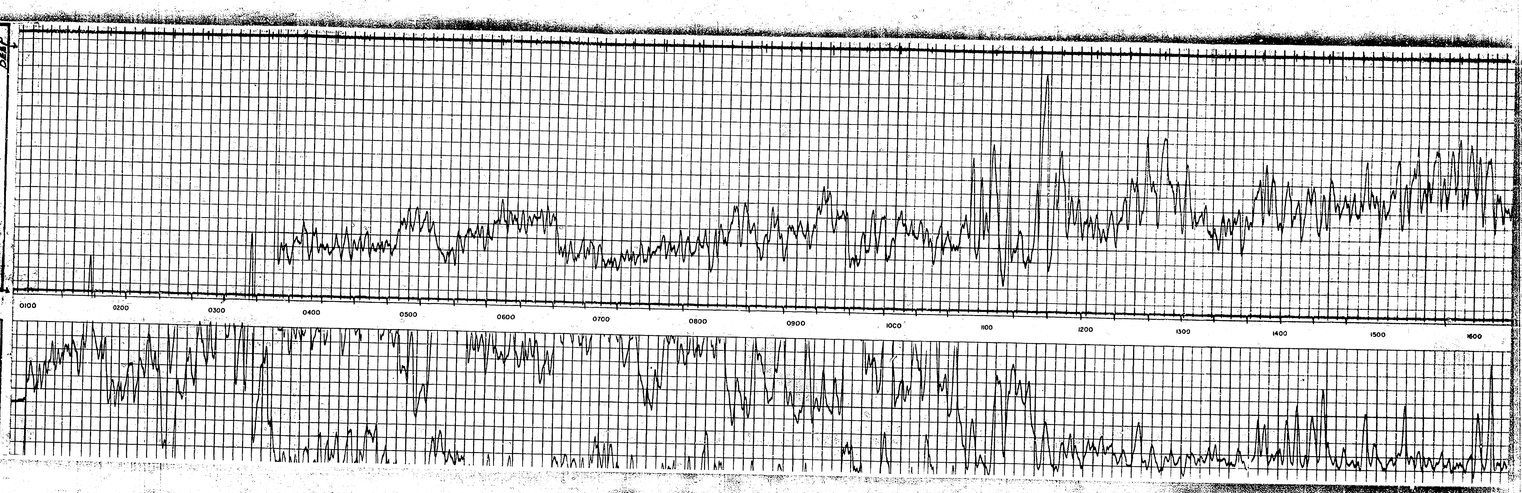
PANEL SENS. TAY FOR CAL.: 100 / 500 / 600

GAMMA RAY INCREASE DIVISIONS: 2-1/2" - 2-3/4"

TEST SOURCE CPS: 210 / 2444 A.M.B.

CALIBRATION + BACKGROUND CPS: GAMMA RAY 76 / NEUTRON 5

REMARKS: Collars Recorded Correct Depth



SCHLUMBERGER WELL SURVEYING CORPORATION

SIMULTANEOUS

Gamma Ray-Neutron

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG # 34-5

FIELD CAPROCK QUEEN

LOCATION SEC. 5-14S-31E

COUNTY CHAVES

STATE NEW MEXICO

Other Surveys: SC

Location of Well: 1650'ft. S/L, 330'ft. E/L

Elevation: D.F. 4116, K.B., or G.L. 4103

FILING No.

Log Depths Measured From KB 6.0 Ft. above GL

RUN NO.	1		
Date	7-3-59		
First Reading	2723		
Last Reading	100		
Footage Measured	2623		
Max. Depth Reached	2729		
Bottom Driller			
Maximum Temp. °F.			
Fluid Nature	WATER		
Fluid Level	50		
Casing Size	8⅝ in.		in.
Casing Weight	lb.	to	lb.
Casing Size	4½ in.		in.
Casing Weight	9½ lb.	SUR to 70	lb.
Bit Size	7⅞ in.	to	in.
Bit Size	in.	to	in.
No. Counters Used	GR-2	N-1	
Type Equipment	GNRM-3		
Type Panel	GNR-C		
Opr. Rig Time	2-HRS.		
Truck No.	2525-HRS.		
Observer	VAHN		
Witness	SWEM		

FIELD COPY

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2-C
CASE NO. 1714

CASING COLLARS

GAMMA RAY MICROGRAMS RA-EQ/TON: INTERVAL 100 to 2365 / Sens. 100 Time Constant 1 / Logging Speed 60 ft./min. / 1000 0 divisions to left of this line

NEUTRON STANDARD COUNTS/SECOND: INTERVAL 100 to 2365 / Sensitivity 300 Time Constant 2 / Logging Speed 60 ft./min. / 1000 8 divisions to left of this line

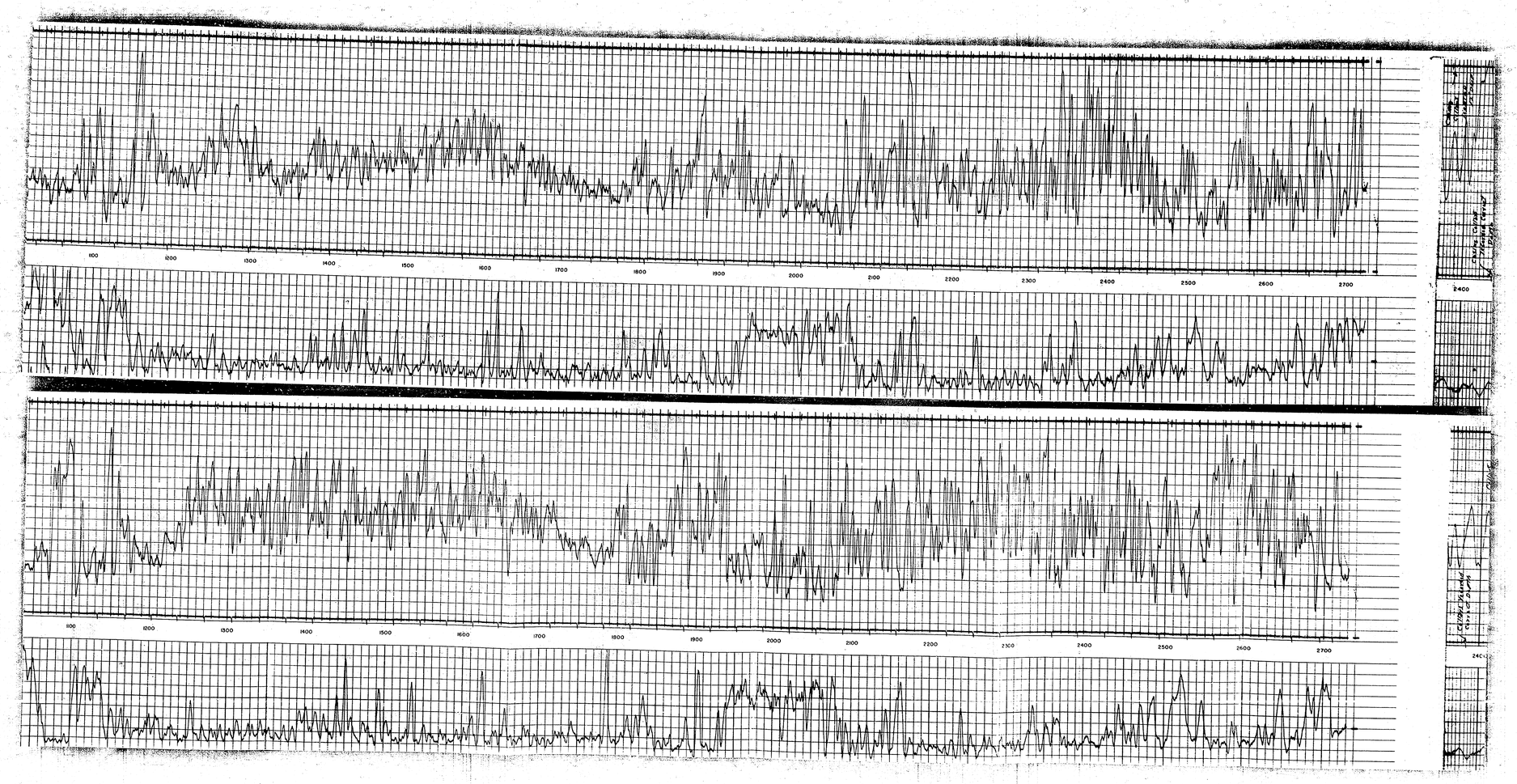
PANEL SENS. TAY FOR CAL.: 100 / 500 / 600

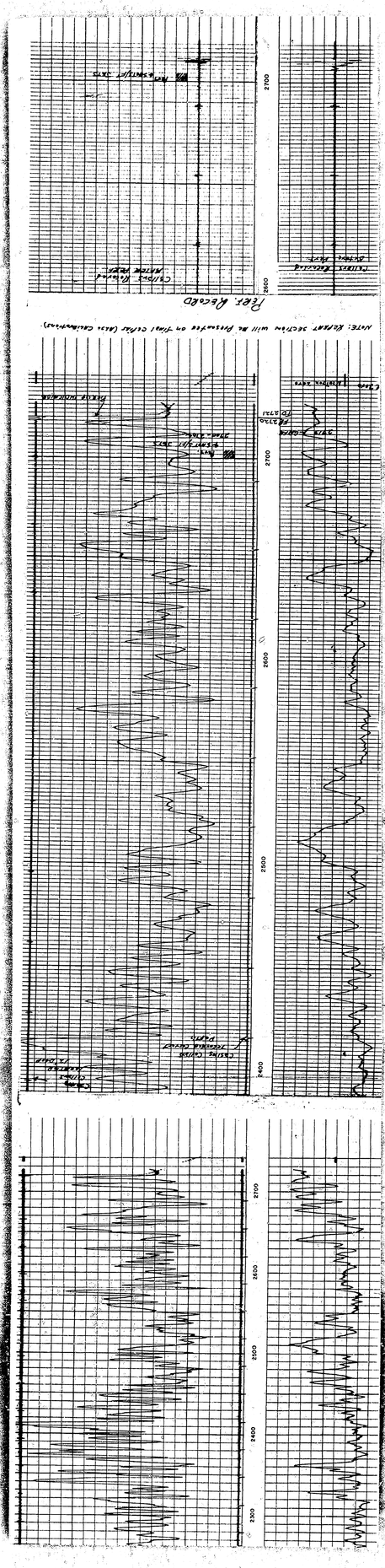
GAMMA RAY INCREASE DIVISIONS: 2-1/2" - 2-3/4"

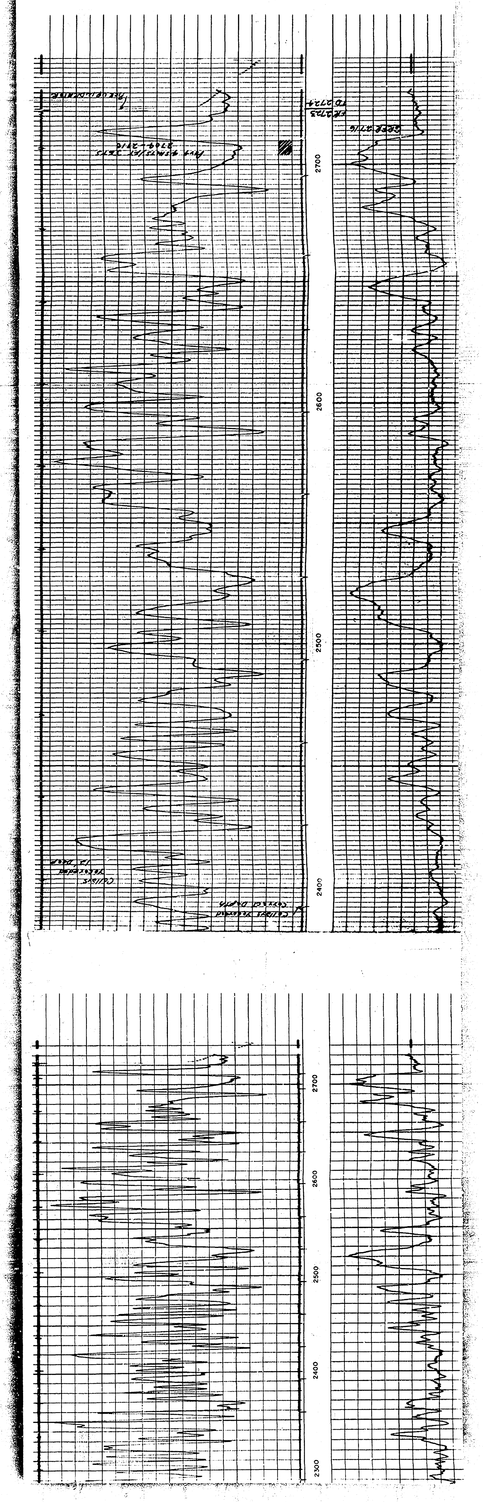
TEST SOURCE CPS: 210 / 2444 A.M.B.

CALIBRATION + BACKGROUND CPS: GAMMA RAY 76 / NEUTRON 5

REMARKS: Collars Recorded Correct Depth


1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700


FEET. RECORD
CAPPS. RANCH
WELL NO. 1
ELEVATION
DERRICK FLOOR
GROUND
DATE
RUN NO.
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENS.
VISC.
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE RMF
SOURCE RMC
RM @ BHT
TIME CIRC.
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
NOTE: REPEAT SECTION WILL BE RECORDED ON FINAL CURVE (MAIN CALIBRATION).
2600
2700
2500
2400
2300


FEET. RECORD
CRYSTAL BEACH
OLIVER
MAIN PASS
BLOCK 24
PLAQUEMINES PARISH
LOUISIANA
ELEVATION
DERRICK FLOOR
GROUND
DATE
RUN NO.
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENS.
VISC.
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE RMF
SOURCE RMC
RM @ BHT
TIME CIRC.
TIME SINCE CIRC.
MAX. REC. TEMP.
EQUIP. LOCATION
RECORDED BY
WITNESSED BY
NOTE: REPEAT SECTION & CALIBRATIONS WILL BE RECORDED WITH FINAL POINTS
FEET. RECORD
2600
2700
2500
2400
2300

SCHLUMBERGER WELL SURVEYING CORPORATION

SIMULTANEOUS

Gamma Ray-Neutron

COUNTY LEA
FIELD OR LOCATION CAPROCK
WELL FEDERAL TRIGG
COMPANY JOHN H. TRIGG

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG I.O.20-9

FIELD CAPROCK

LOCATION SEC 9-14S-31E

COUNTY LEA

STATE NEW MEXICO

Other Surveys

Location of Well
660'From I/L
1980'From W/L

Elevation: D.F.
K.B.
or G.L. 4142

FILING No.

Log Depths Measured From GL Ft. above

RUN NO.	1				
Date	3-18-59				
First Reading	2751				
Last Reading	100				
Footage Measured	2651				
Max. Depth Reached	2750				
Bottom Driller	2728				
Maximum Temp. °F.	87				
Fluid Nature	OIL				
Fluid Level	FULL				
(Casing Size	in.)			in.)	
Casing Weight	lb.)	to		lb.)	to
(Casing Size	9 5/8 in.)			in.)	
Casing Weight	9 5/8 lb.)	to	2756	lb.)	to
Bit Size	in.	to		in.	to
Bit Size	in.	to		in.	to
No. Counters Used	GR-2 (-1				
Type Equipment	GNM-4				
Type Panel	GNP-C				
Opr. Rig Time	2 HOURS				
Truck No.	2529 HOBBS				
Observer	MARONEY				
Witness	PUCKETT				

EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3-G
CASE NO. 1714

REMARKS; CALIBRATION + BACKGROUND CPS
GAMMA RAY 430
NEUTRON 430

NEUTRON
STANDARD COUNTS/SECOND
INTERVAL 100 to 2000
Sensitivity 800 Time Constant 2
Logging Speed 60 ft./min.
ZERO 10 divisions to left of this line
150 450

INTERVAL 2000 to 2751
Sensitivity 3600 Time Constant 2
Logging Speed 30 ft./min.
ZERO 10 divisions to left of this line
150 450

INTERVAL: to
Sensitivity Time Constant
Logging Speed ft./min.
ZERO divisions to left of this line
150 450

COLLARS REC'D 12' DEEP

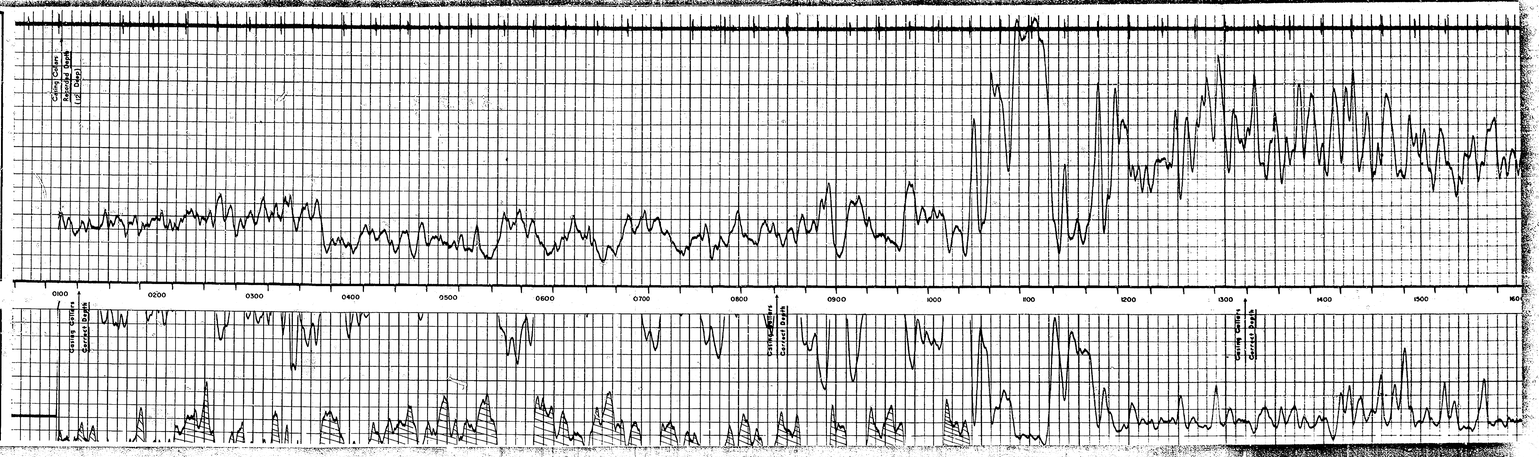
CASING COLLARS

GAMMA RAY
MICROGRAMS RA-EQ/TON
INTERVAL 100 to 2000
Sens. 100 TC 2 ft./min.
Logging Speed 60 div. to left
ZERO 0
5

INTERVAL 2000 to 2743
Sens. 100 TC 2 ft./min.
Logging Speed 30 div. to left
ZERO 0
5

INTERVAL: to
Sens. T.C. ft./min.
Logging Speed div. to left
ZERO 0
5

PANEL SENS. TAT FOR CAL.
GALV. INCREASE DIVISIONS
TEST SOURCE CPS



SCHLUMBERGER WELL SURVEYING CORPORATION

SIMULTANEOUS

Gamma Ray-Neutron

COUNTY CHAVES
FIELD OR LOCATION CAPROCK
WELL FEDERAL TRIGG
COMPANY JOHN H. TRIGG

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG
#35-5

FIELD CAPROCK

LOCATION SEC 5 - 14S - 31E

COUNTY CHAVES

STATE NEW MEXICO

Other Surveys
NONE

Location of Well
1988.6' FNL
330' FEL

Elevation: D.F.
K.B. 4110
or G.L. 4100.7

FILING No.

Log Depths Measured From GL Ft. above GL

RUN NO.	1				
Date	5-12-59				
First Reading	2724				
Last Reading	20				
Footage Measured	2704				
Max. Depth Reached	2725				
Bottom Driller	2727				
Maximum Temp. °F.					
Fluid Nature	WATER				
Fluid Level					
(Casing Size	4-1/2 in.)			in.)	
Casing Weight	9.5 lb.)	SURF to 2730		lb.)	to
Casing Size	in.)			in.)	
Casing Weight	lb.)	to		lb.)	to
Bit Size	in.	to		in.	to
Bit Size	in.	to		in.	to
No. Counters Used	3				
Type Equipment	GNAM-5				
Type Panel	SNP-C				
Opr. Rig Time	2 HOURS				
Truck No.	1595-KERMIT				
Observer	HINES				
Witness	PUCKETT				

BEFORE EXAMINER NUTT
OIL CONSERVATION COMMISS
EXHIBIT NO. 2-B
CASE NO. 1714

REMARKS; CALIBRATION + BACKGROUND CPS
GAMMA RAY 430
NEUTRON 430

NEUTRON
STANDARD COUNTS/SECOND
INTERVAL 2400 to 2724
Sensitivity 300 Time Constant 2
Logging Speed 30 ft./min.
ZERO 0 divisions to left of this line
150 450

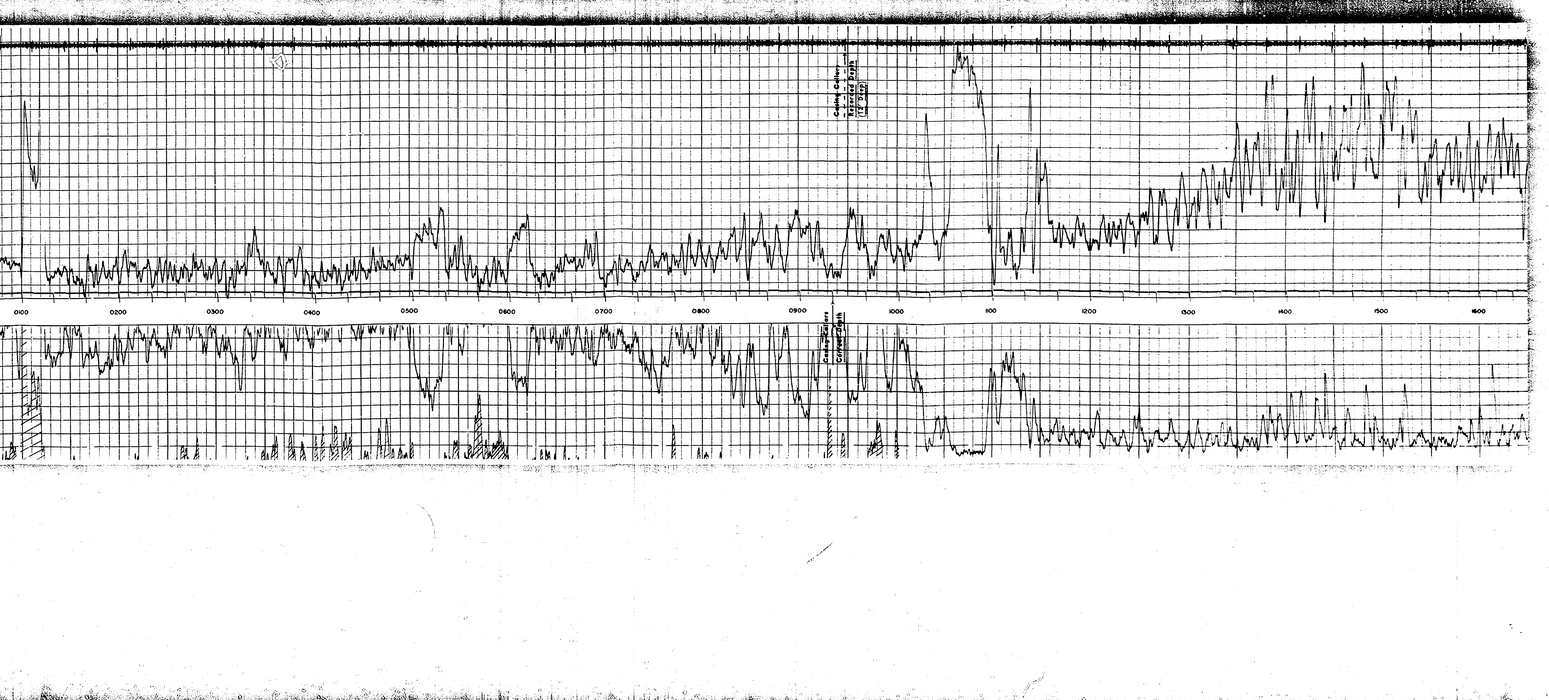
INTERVAL 20 to 2400
Sensitivity 300 Time Constant 2
Logging Speed 30 ft./min.
ZERO 0 divisions to left of this line
150 450

CASING COLLARS

GAMMA RAY
MICROGRAMS RA-EQ/TON
INTERVAL 2400 to 2724
Sens. 100 TC 2 ft./min.
Logging Speed 30 div. to left
ZERO 0
5

INTERVAL 20 to 2400
Sens. 100 TC 2 ft./min.
Logging Speed 30 div. to left
ZERO 0
5

PANEL SENS. TAT FOR CAL.
GALV. INCREASE DIVISIONS
TEST SOURCE CPS



COMPANY JOHN H. TRIGG — 2724 SWSC FR — Elev. KB 4110

GAMMA RAY MICROGRAMS RA-EQ TON

INTERVAL 2400 to 2724
Scale 100 T.C. 2
Logging Speed 30 ft. /min.
ZERO 0 div. to left — 0 — 5

CASING COLLARS

NEUTRON STANDARD COUNTS/SECOND

INTERVAL 2400 to 2724
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. /min.
ZERO 10 divisions to left of this line. — 150 — 450

Gamma Ray Zero

Casing Collars

Corrected Depths

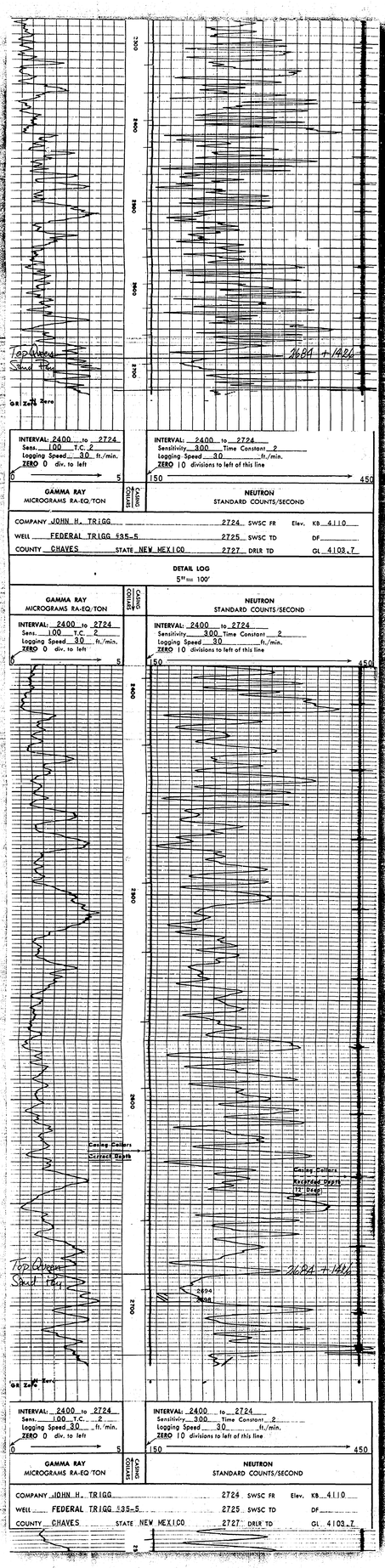
DETAIL LOG

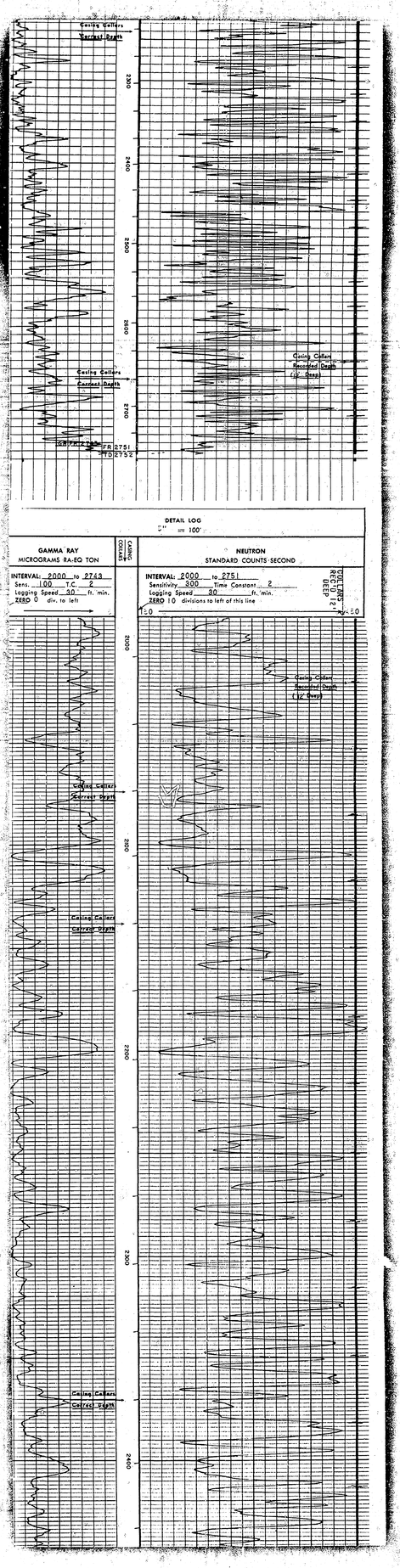
Casing Collars Recorded Depths (Ft. Datum)

Corrected Depths

Casing Collars

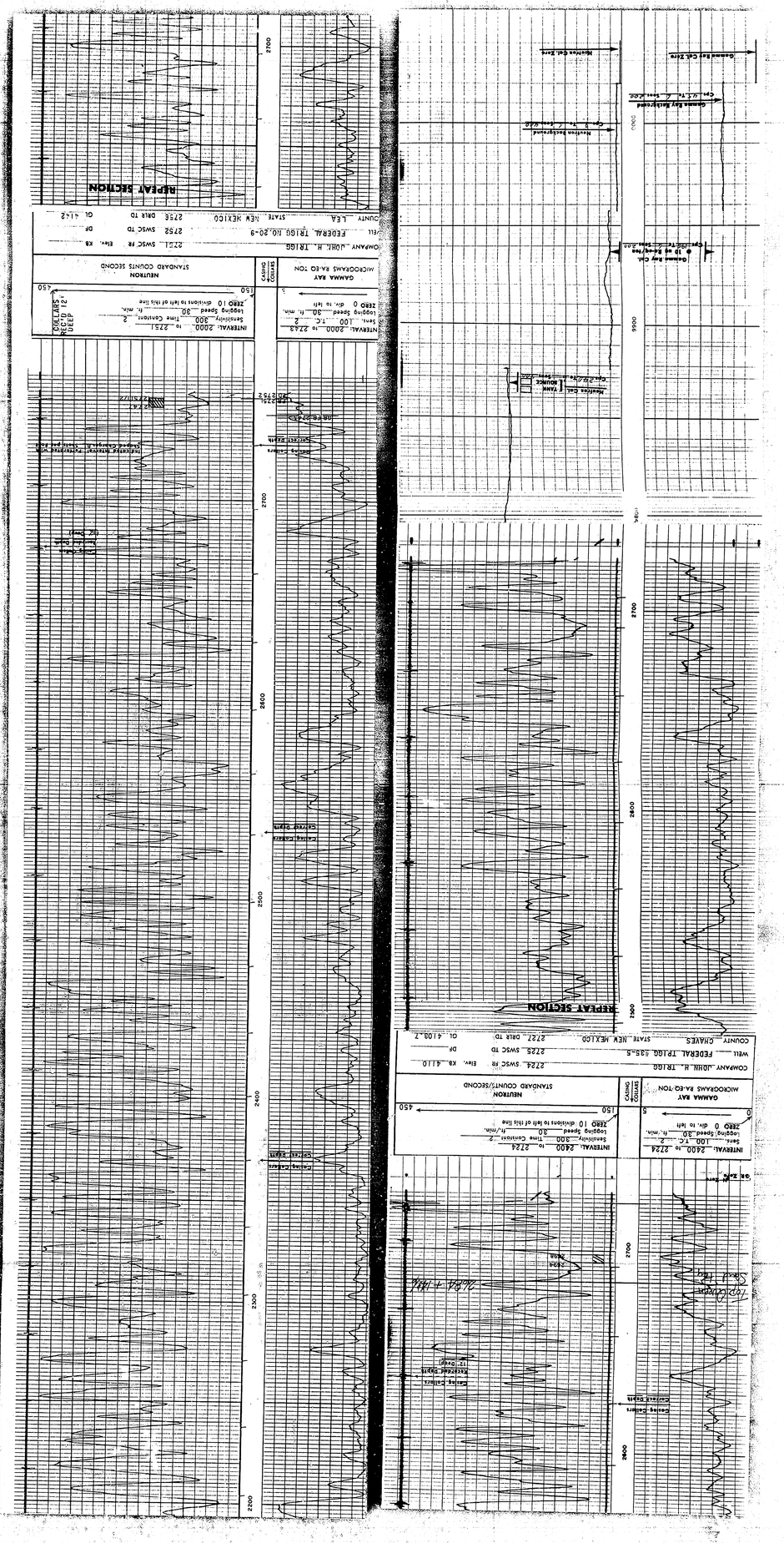
Corrected Depths

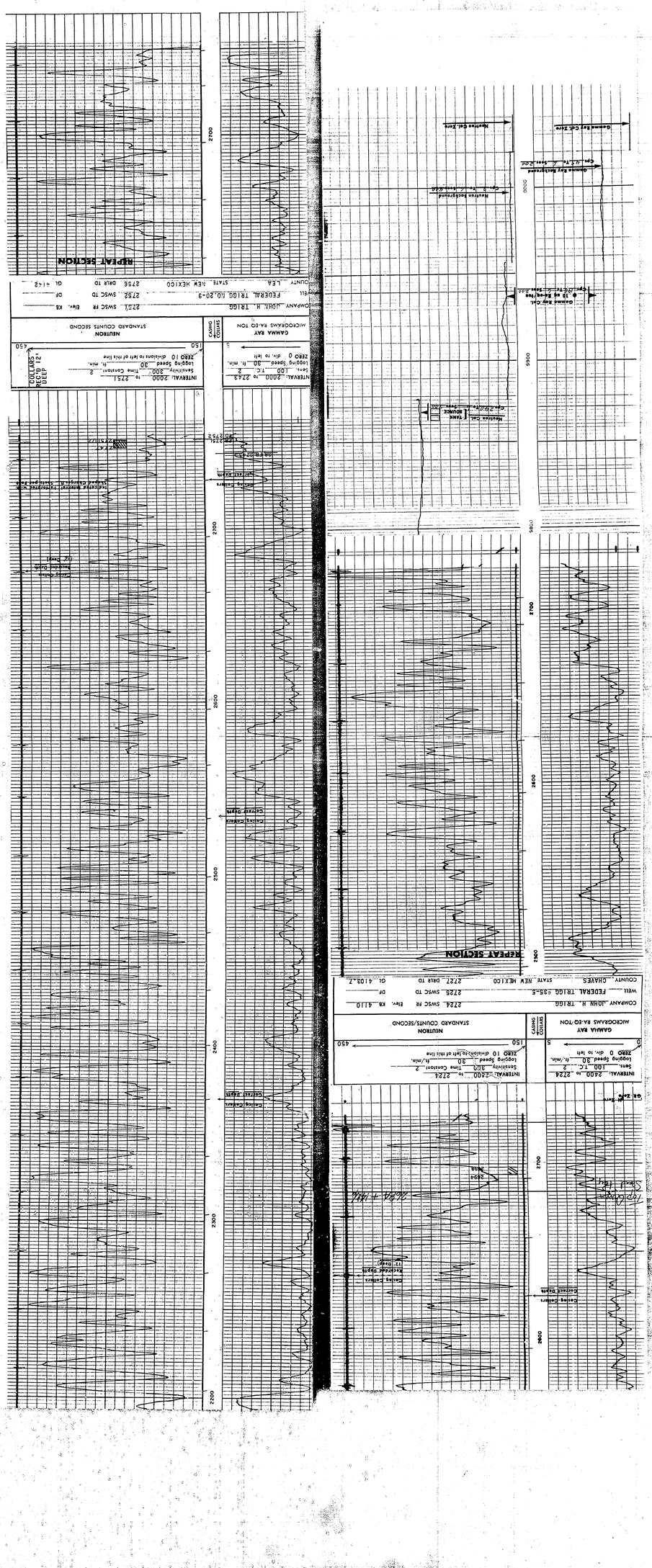

2700
2800
2900
3000
Top Queen
Sand Top
2684 +1426
GR Zero
Zero
INTERVAL: 2400 to 2724
Sens. 100 T.C. 2
Logging Speed 30 ft./min.
ZERO 0 div. to left
0
5
INTERVAL: 2400 to 2724
Sensitivity 300 Time Constant 2
Logging Speed 30 ft./min.
ZERO 10 divisions to left of this line
150
450
GAMMA RAY
MICROGRAMS RA-EQ/TON
CASING COLLARS
NEUTRON
STANDARD COUNTS/SECOND
COMPANY JOHN H. TRIGG
2724 SWSC FR
Elev. KB 4110
WELL FEDERAL TRIGG 535-5
2725 SWSC TD
DF
COUNTY CHAVES
STATE NEW MEXICO
2727 DRLR TD
GL 4103.7
DETAIL LOG
5" ins 100'
Casing Collars
Correct Depth
2694
2698
Casing Collars
Recorded Depth
(1st Pass)


Casing Collars
Correct Depth
2300
2400
2500
2600
2700
Casing Collar
Recorded Depth
(1st Pass)
GR Zero
FR 2751
TD 2752
DETAIL LOG
5" ins 100'
GAMMA RAY
MICROGRAMS RA-EQ TON
CASING COLLARS
NEUTRON
STANDARD COUNTS/SECOND
INTERVAL: 2000 to 2743
Sens. 100 T.C. 2
Logging Speed 30 ft. /min.
ZERO 0 div. to left
INTERVAL: 2000 to 2751
Sensitivity 300 Time Constant 2
Logging Speed 30 ft./min.
ZERO 10 divisions to left of this line
150
450
CASING COLLARS RECORDED DEEP 12
Casing Collars
Correct Depth
2000
2100
2200
2300
2400
Casing Collar
Recorded Depth
(1st Pass)

2800
2900
3000
Casing Collars
Correct Depth
Casing Collars
Recorded Depth
(1st Pass)
Top Queen
Sand Top
2684 +1426
2694
2698
GR Zero
INTERVAL: 2400 to 2724
Sens. 100 T.C. 2
Logging Speed 30 ft./min.
ZERO 0 div. to left
0
5
INTERVAL: 2400 to 2724
Sensitivity 300 Time Constant 2
Logging Speed 30 ft./min.
ZERO 10 divisions to left of this line
150
450
GAMMA RAY
MICROGRAMS RA-EQ/TON
CASING COLLARS
NEUTRON
STANDARD COUNTS/SECOND
COMPANY JOHN H. TRIGG
2724 SWSC FR
Elev. KB 4110
WELL FEDERAL TRIGG 535-5
2725 SWSC TD
DF
COUNTY CHAVES
STATE NEW MEXICO
2727 DRLR TD
GL 4103.7

2000
2100
2200
2300
2400
Casing Collars
Correct Depth
Casing Collar
Recorded Depth
(1st Pass)
Casing Collars
Correct Depth


REPEAT SECTION
COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG No.20-9
COUNTY LEA STATE NEW MEXICO
GAMMA RAY
NEUTRON
STANDARD COUNTS SECOND
2700
2600
2500
2400
2300
2200


REPEAT SECTION
COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG 635-S
COUNTY GRAVES STATE NEW MEXICO
GAMMA RAY
MICROGRAMS RA-EQ-TON
NEUTRON
STANDARD COUNTS/SECOND
INTERVAL 2400 to 2724
Sens. 100 T.C. 2
logging Speed 30 ft./min.
ZERO 0 div. to left
ZERO 10 divisions to left of this line
Elev. KB 4110
DF
GL 4103.7
2724 SWSC RR
2725 SWSC TD
2727 DRLR TD
Gamma Ray Cal.
Neutron Cal.
Gamma Ray Calibrated
Neutron Calibrated
Gamma Ray Cal. Zero
Neutron Cal. Zero
Gamma Ray Background
Neutron Background
TANK
BOUNCE
Casing Collars
Caliper Depth
Neutron Depth
Gamma Ray Depth
Induced Electric Polarization
Spontaneous Potential
Resistivity
Lateral Log
Short Normal
Micro Inverse
Micro Normal
Micro Caliper
Caliper Log
Bit Size
Hole Diameter
Mud Resistivity
Mud Density
Mud Viscosity
Fluid Loss
Source of Sample
Rm @ Meas. Temp.
Rmf @ Meas. Temp.
Rmc @ Meas. Temp.
Source of Rmf and Rmc
Rm @ BHT
Time Since Circ.
Max. Rec. Temp. Deg. F.
Equip. No. and Location
Recorded By
Witnessed By
2600
2700
2800
2900
5800
5900
6000

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

SIMULTANEOUS

Gamma Ray-Neutron

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG NO.28-9

FIELD CAPROCK

LOCATION SEC. 9-14S-31E

COUNTY CHAVES

STATE NEW MEXICO

Other Surveys

Location of Well
660 'From S/L
660 'From W/L

Elevation: D.F. K.B.+4138 or G.L.+4132

FILING No.

COUNTY CHAVES
FIELD or LOCATION CAPROCK
WELL FEDERAL TRIGG NO.28-9
COMPANY JOHN H. TRIGG

Log Depths Measured From KB 6 Ft. above GL

RUN NO.	1		
Date	5-12-59		
First Reading	2758		
Last Reading	200		
Footage Measured	2558		
Max. Depth Reached	2759		
Bottom Driller	2759		
Maximum Temp. °F.			
Fluid Nature	WATER		
Fluid Level	320		
Casing Size	4 1/2 in.		in.
Casing Weight	9.5 lb.	to TD	lb. to
Casing Size	in.		in.
Casing Weight	lb.	to	lb. to
Bit Size	in.	to	in. to
Bit Size	in.	to	in. to
No. Counters Used	GR-2 N-1		
Type Equipment	GNAM-3		
Type Panel	GNP-10		
Opr. Rig Time	2 HOURS		
Truck No.	2525 HOBBS		
Observer	MAHONEY		
Witness	PUCKETT		

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2-D
CASE NO. 1714

REMARKS: CALIBRATION BACKGROUND CPS — GAMMA RAY — NEUTRON

TEST SOURCE CPS 270 — 2700 — 2700 — C=680 F=200

PANEL SENS. TAP. FOR CAL. 200 — 500 — 300 — 73

GALV. INCREASE DIVISIONS 100 — 180

NEUTRON
STANDARD COUNTS/SECOND

INTERVAL 320 to 2450
Sensitivity 300 Time Constant 2
Logging Speed 60 ft./min.
ZERO 3 divisions to left of this line
20 → 420

INTERVAL 2450 to 2758
Sensitivity 300 Time Constant 2
Logging Speed 30 ft./min.
ZERO 3 divisions to left of this line
20 → 420

Casing Collars
Recorded Depth (At Time)

Neutron

CASING COLLARS

GAMMA RAY
MICROGRAMS RA-EQ./TON

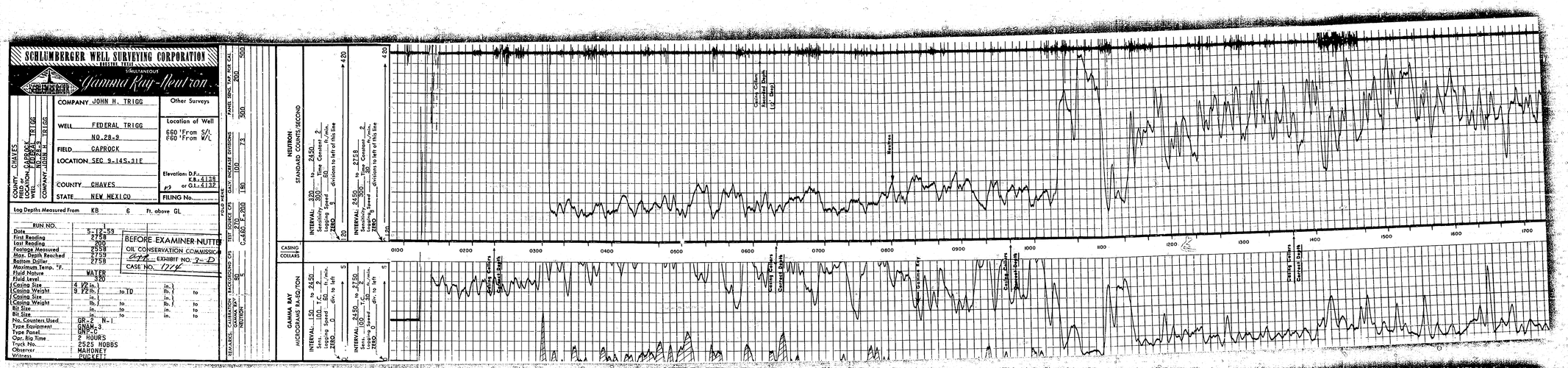
INTERVAL 150 to 2450
Sens. 100 Tc 2
Logging Speed 60 ft./min.
ZERO 0 div. to left
5

INTERVAL 2450 to 2758
Sens. 100 Tc 2
Logging Speed 30 ft./min.
ZERO 0 div. to left
5

0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700

Casing Collars
Corrected Depth

Gamma Ray



SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

SIMULTANEOUS

Gamma Ray-Neutron

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG # 21-4

FIELD CAPROCK QUEEN

LOCATION SEC. 4-14S-31E

COUNTY CHAVES

STATE NEW MEXICO

Other Surveys
PGP

Location of Well
990 'FROM S/L
2310 'FROM W/L

Elevation: D.F. 4165
K.B. 4167
or G.L. 4161

FILING No.

COUNTY CHAVES
FIELD or LOCATION CAPROCK QUEEN
WELL FEDERAL TRIGG # 21-4
COMPANY JOHN H. TRIGG

Log Depths Measured From KB 6.0 Ft. above GL

RUN NO.	1		
Date	6-2-59		
First Reading	2787		
Last Reading	80		
Footage Measured	2707		
Max. Depth Reached	2788		
Bottom Driller	2788		
Maximum Temp. °F.			
Fluid Nature	FULL		
Fluid Level	8 5/8 in.		in.
Casing Size	24 lb.	SURF. to 108	lb. to
Casing Weight	4½ in.		in.
Casing Size	11.6 lb.	SURF. to TD	lb. to
Casing Weight	11" in.	SURF. to 108	in. to
Bit Size	7 7/8 in.	108 to TD	in. to
Bit Size			
No. Counters Used	GR-2 N-1		
Type Equipment	GNAM-3		
Type Panel	GNP-C		
Opr. Rig Time	2 HOURS		
Truck No.	2525-HOBBS		
Observer	VAUGHT		
Witness	PUCKETT		

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 3-F
CASE NO. 1714

REMARKS: CALIBRATION BACKGROUND CPS — GAMMA RAY — NEUTRON

TEST SOURCE CPS 268 — 2680 — 2680 — 78

PANEL SENS. TAP. FOR CAL. 200 — 500 — 500

GALV. INCREASE DIVISIONS 100 — 174

NEUTRON
STANDARD COUNTS/SECOND

INTERVAL 80 to 2430
Sensitivity 300 Time Constant 2
Logging Speed 60 ft./min.
ZERO 3 divisions to left of this line
20 → 420

INTERVAL 2430 to 2787
Sensitivity 300 Time Constant 2
Logging Speed 30 ft./min.
ZERO 3 divisions to left of this line
20 → 420

INTERVAL to
Sensitivity Time Constant
Logging Speed ft./min.
ZERO divisions to left of this line

Casing Collars
Recorded Depth (At Time)

Neutron

CASING COLLARS

GAMMA RAY
MICROGRAMS RA-EQ./TON

INTERVAL 80 to 2430
Sens. 150 Tc 2
Logging Speed 60 ft./min.
ZERO 0 div. to left
5

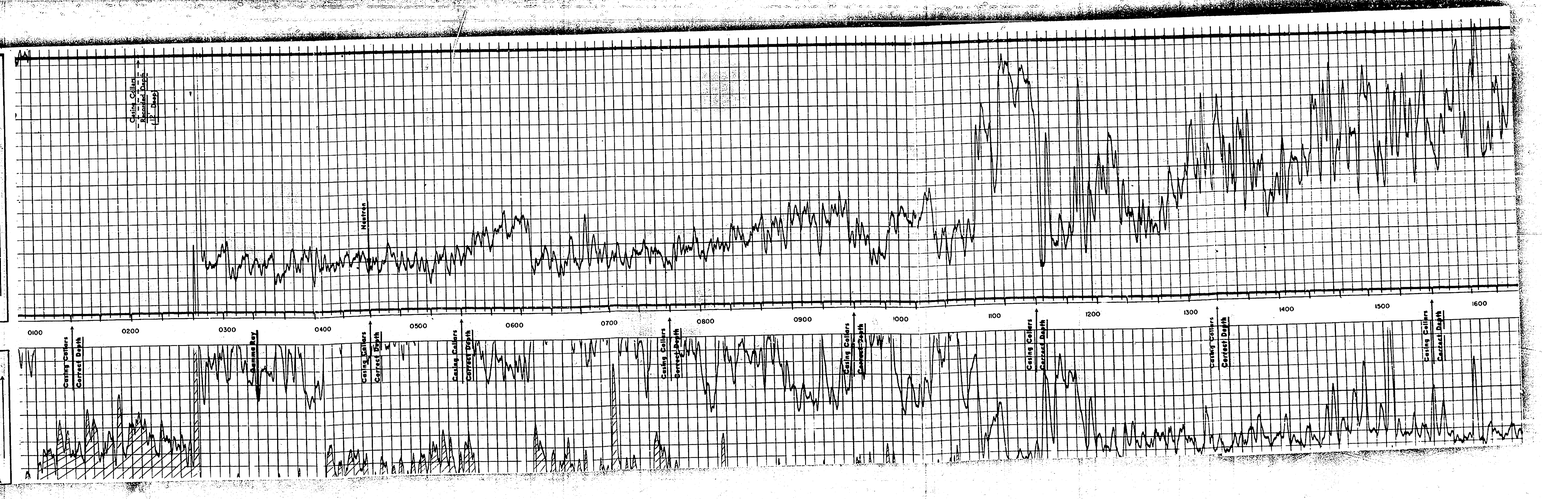
INTERVAL 2430 to 2787
Sens. 150 Tc 2
Logging Speed 30 ft./min.
ZERO 0 div. to left
5

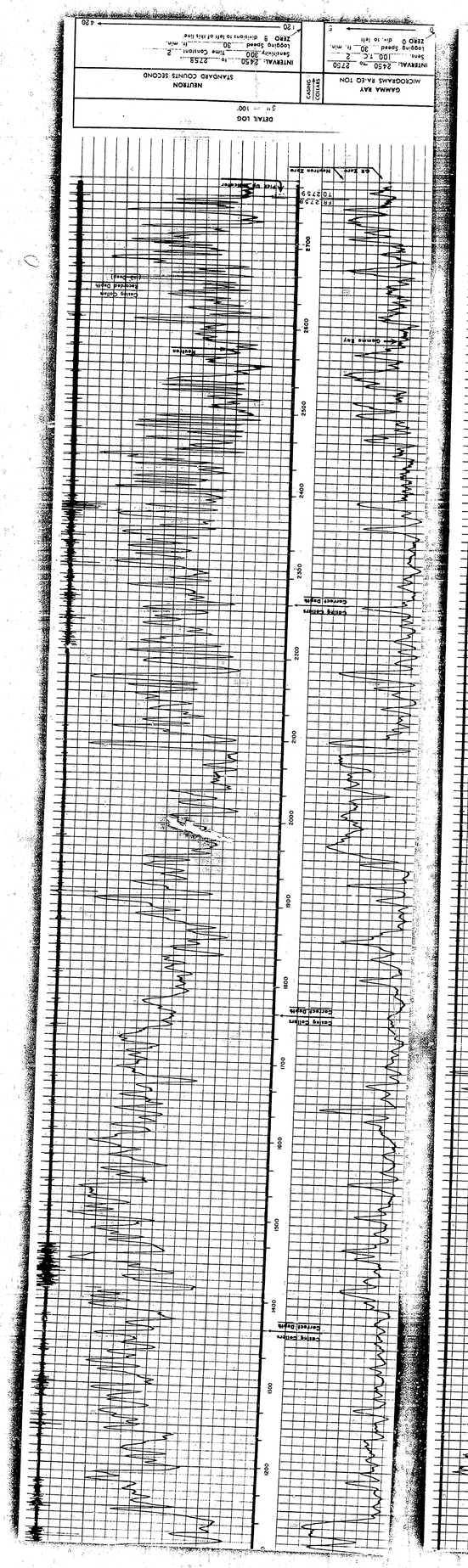
INTERVAL Tc
Logging Speed ft./min.
ZERO div. to left

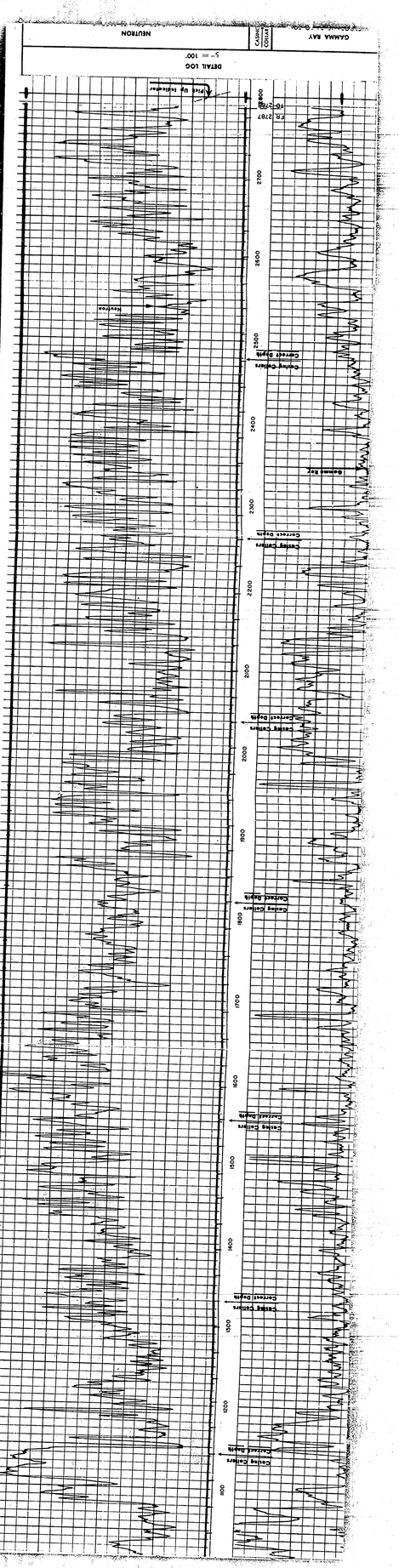
0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600

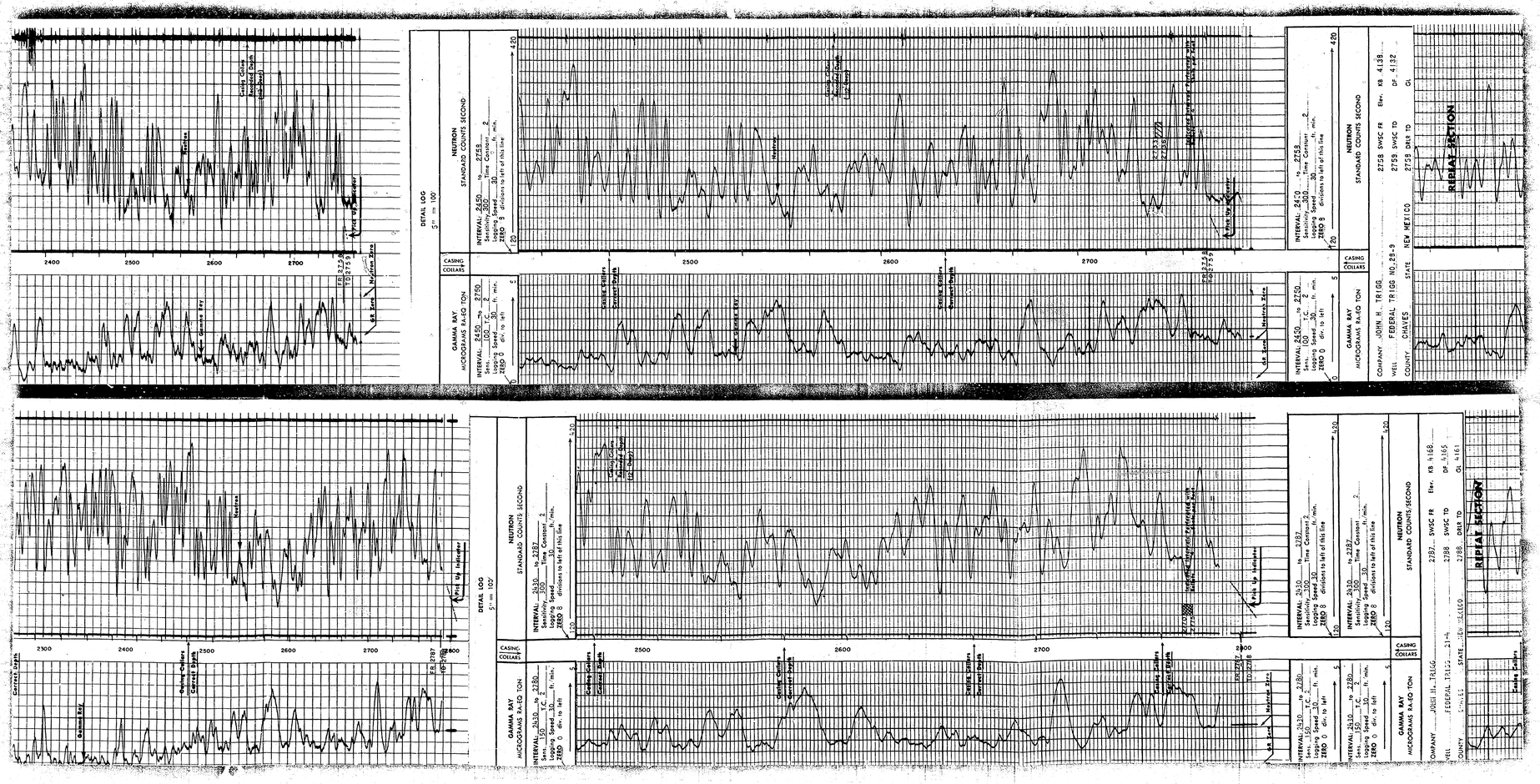
Casing Collars
Corrected Depth

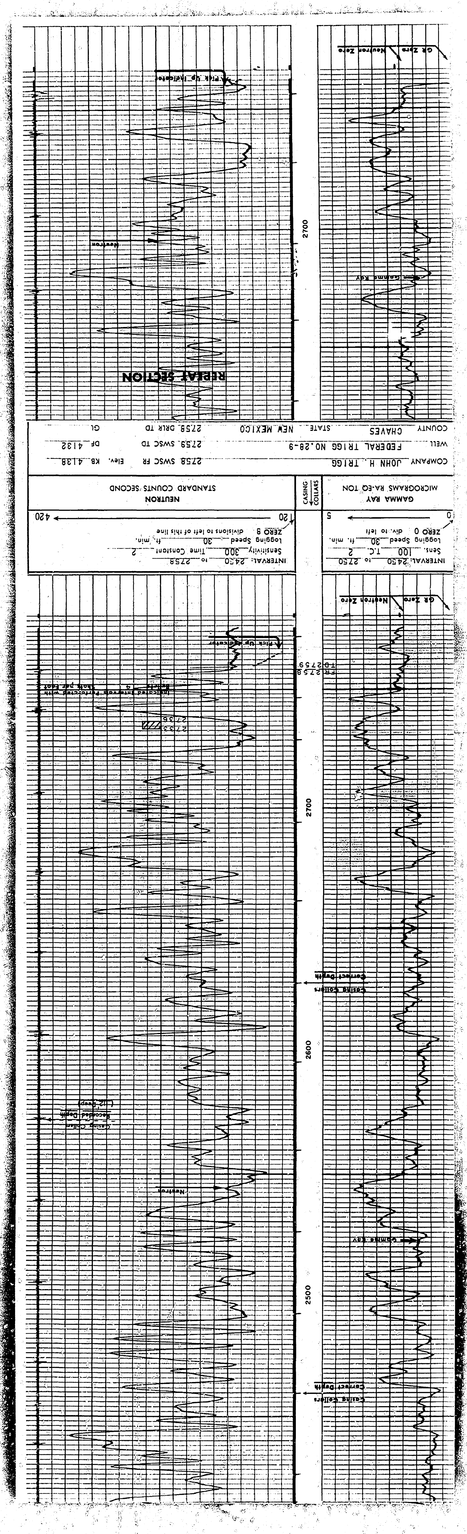
Gamma Ray

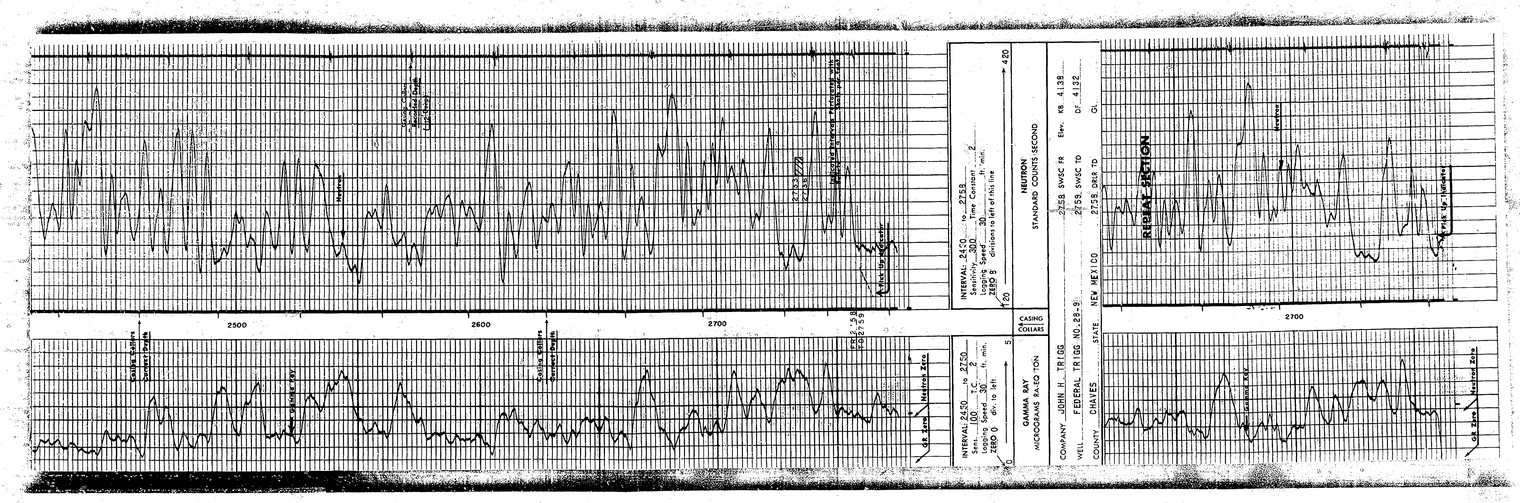



DETAIL LOG
5" = 100'
GAMMA RAY
MICROGRAMS RA-EQ TON
CASING COLLAR
NEUTRON
STANDARD COUNTS SECOND
INTERVAL 2450 to 2250
Sens. 100 T.C. 2
Logging Speed 30 ft. /min.
ZERO 0 div. to left
Sensitivity 200 Time Constant 2
Logging Speed 30 ft. /min.
ZERO 3 divisions to left of this line
0
20
40
Gamma Ray
Neutron
Casing Collars
Concrete Depths
Pick up Indicator
Gas Zone
Neutron Zone
FR 2759
TD 2759


DETAIL LOG
5" = 100'
GAMMA RAY
CASING COLLAR
NEUTRON
Gamma Ray
Neutron
Casing Collars
Concrete Depths
Pick up Indicator
FR 2767
TD 2767


DETAIL LOG
5" = 100'
NEUTRON
STANDARD COUNTS SECOND
INTERVAL 2450 to 2758
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. min.
ZERO 8 divisions to left of this line
GAMMA RAY
MICROGRAMS RA-EQ TON
INTERVAL 2450 to 2750
Sens. 100 T.C. 2
Logging Speed 30 ft. min.
ZERO 0 div. to left
CASING COLLARS
Casing Collars
Recorded Depth
(Log Depth)
Marker
Gamma Ray
Neutron
Surface Zero
KB Zero
FR 2758
TO 2759
Pick up Tubing
Run in Tubing
COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG NO. 23-9
COUNTY CHAVES STATE NEW MEXICO
Elev. KB 4138
DF 4132
GL
REPEAT SECTION
DETAIL LOG
5" = 100'
INTERVAL 2330 to 2787
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. min.
ZERO 8 divisions to left of this line
INTERVAL 2330 to 2780
Sens. 150 T.C. 2
Logging Speed 30 ft. min.
ZERO 0 div. to left
Casing Collars
Current Depth
Gamma Ray
Neutron
Surface Zero
FR 2787
TO 2788
Pick up Tubing
Run in Tubing
COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG 21-4
COUNTY CHAVES STATE NEW MEXICO
Elev. KB 4168
DF 4165
GL 4161
REPEAT SECTION


REPEAT SECTION
REPEAT SECTION
Gamma Ray
Caliper
Neutron
Resistivity
Induction
Sonic
Density
Dip
Casing Collars
Caving Caliper
Electrical Survey
Microlog
Laterolog
Proximity Log
Micro-Caliper
Dipmeter
Sonic Log-Gamma Ray
Compensated Neutron-Formation Density
Dual Induction-Laterolog
Borehole Compensated Sonic Log
Compensated Formation Density Log
Dual Induction-Laterolog
Microlaterolog
Gamma Ray-Neutron
Gamma Ray-Caliper
Gamma Ray-Neutron-Caliper
Dual Induction-Laterolog
Compensated Formation Density Log
Borehole Compensated Sonic Log
Gamma Ray-Neutron


Neutron
Gamma Ray
Neutron Packer Tracer Run
Neutron Packer Tracer Run
Neutron Zero
Gamma Ray Zero
Caliper Zero
Caliper Zero
Caliper Zero
Neutron Zero
Gamma Ray Zero
Gamma Ray Calibration
Gamma Ray Background
Gamma Ray Background
Neutron Background
Neutron Background
Neutron Cal.
Neutron Cal.
Gamma Ray Cal.
Gamma Ray Cal.
INTERVAL 2450 to 2758
Sensitivity 300
Logging Speed 30 ft. min.
Time Constant 2
Scale 5" divisions to left of this line
NEUTRON
STANDARD COUNTS SECOND
CASING COLLARS
INTERVAL 2450 to 2750
Sens. 100
Logging Speed 30 ft. min.
Scale 5" divisions to left of this line
GAMMA RAY
MICROGRAMS RA-EQ TON
COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG NO. 28-9
COUNTY CHAVES
STATE NEW MEXICO
2758 SWSC FR
2758 SWSC TD
2758 DRLR TD
Elev. KB 4138
DF 4132
GL
RIBAF SECTION

SCHLUMBERGER WELL SURVEYING CORPORATION

SIMULTANEOUS Gamma Ray-Neutron

COUNTY CHAVES
FIELD CAPROCK
WELL FEDERAL TRIGG
COMPANY JOHN H. TRIGG

COMPANY JOHN H. TRIGG

WELL FEDERAL TRIGG NO. 22-4

FIELD CAPROCK

LOCATION SEC. 4-14S-31E

COUNTY CHAVES

STATE NEW MEXICO

Other Surveys

Location of Well
1980 'Fr om S/L
1980 'Fr om W/L

Elevation: D.F. KB 4180
GL 4168

FILING No.

Log Depths Measured From KB 6 Ft. above GL

RUN NO.	1		
Date	5-12-59		
First Reading	2769		
Last Reading	100		
Footage Measured	2669		
Max. Depth Reached	2770		
Bottom Driller	2776		
Maximum Temp. °F.			
Fluid Nature	WATER		
Fluid Level	FULL		
Casing Size	4 1/2 in.		in.
Casing Weight	9.5 lb.	To T.D.	lb. To
Casing Size	in.		in.
Casing Weight	lb.	To	lb. To
Bit Size	in.	To	in. To
Bit Size		To	in. To
No. Counters Used	GR-2 N-1		
Type Equipment	GNAM-3		
Type Panel	GNP-3C		
Opr. Rig Time	2 HOURS		
Truck No.	2525 HOBBS		
Observer	MAHONEY		
Witness	PUCKETT		

RECEIVED
MAY 22 1959
O. C. C.
ARTESIA, N. M.

OIL CONSERVATION COMM.
HOBBS, N. M.

CASE NO. 1774

3-MEMO

TIED IN WITH GAMMA RAY LOG RUN ON 3-12-59

SAME SPEC. TAP FOR CAL. 500 200 500

DAILY INCREASE DIVISIONS 100 75 100

TEST POWER CPS 60 60 60

GAMMA RAY CPS 2660 2760 2660

CASING COLLAR

REMARKS: CALIBRATION (ACCORDING CPS)
GAMMA RAY
NEUTRON

NEUTRON
STANDARD COUNTS/SECOND

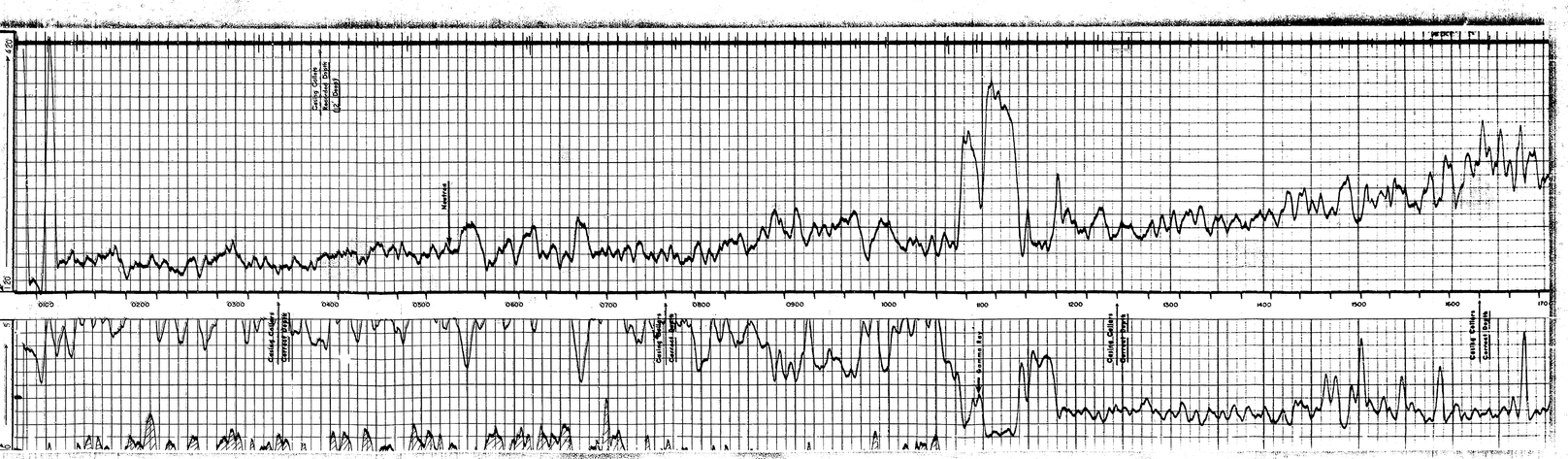
INTERVAL 100 to 2600
Time Constant 2
Logging Speed 60 ft./min.
ZERO 8 divisions to left of this line

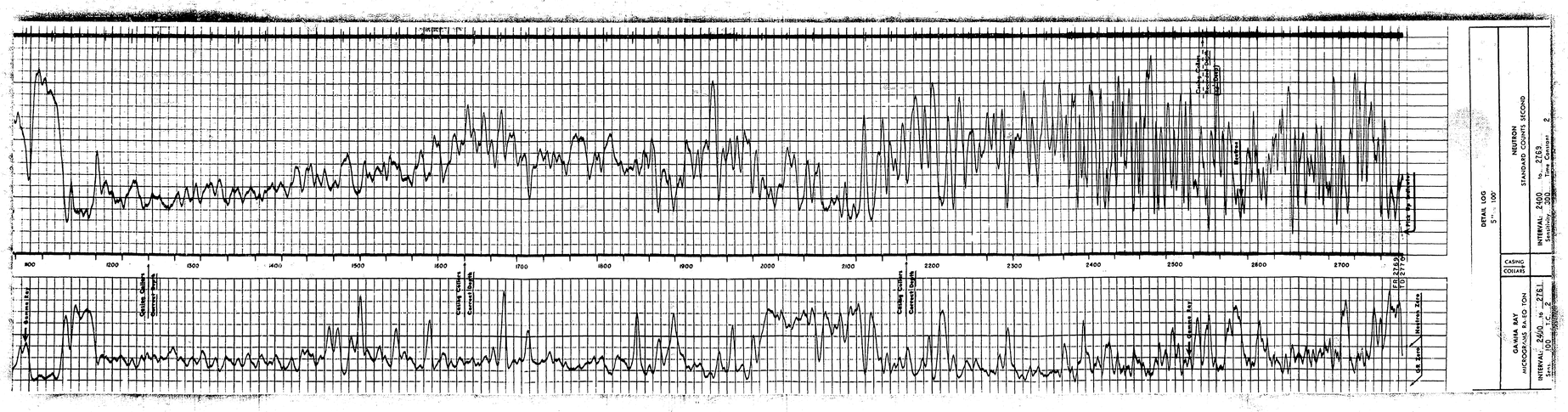
INTERVAL 2600 to 2785
Time Constant 2
Logging Speed 30 ft./min.
ZERO 8 divisions to left of this line

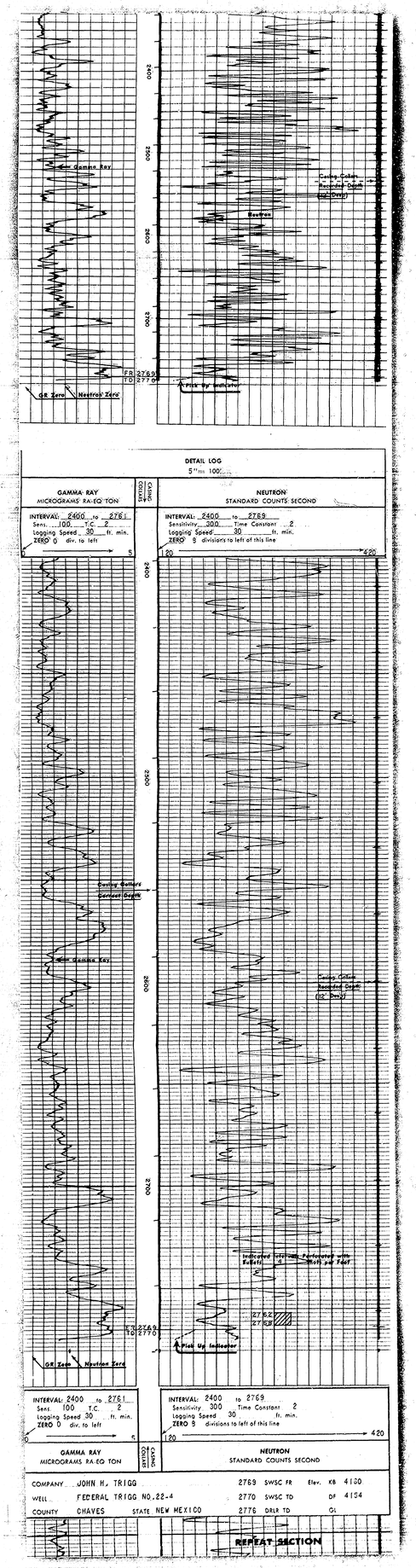
GAMMA RAY
MICROGRAMS RA/EQ TON

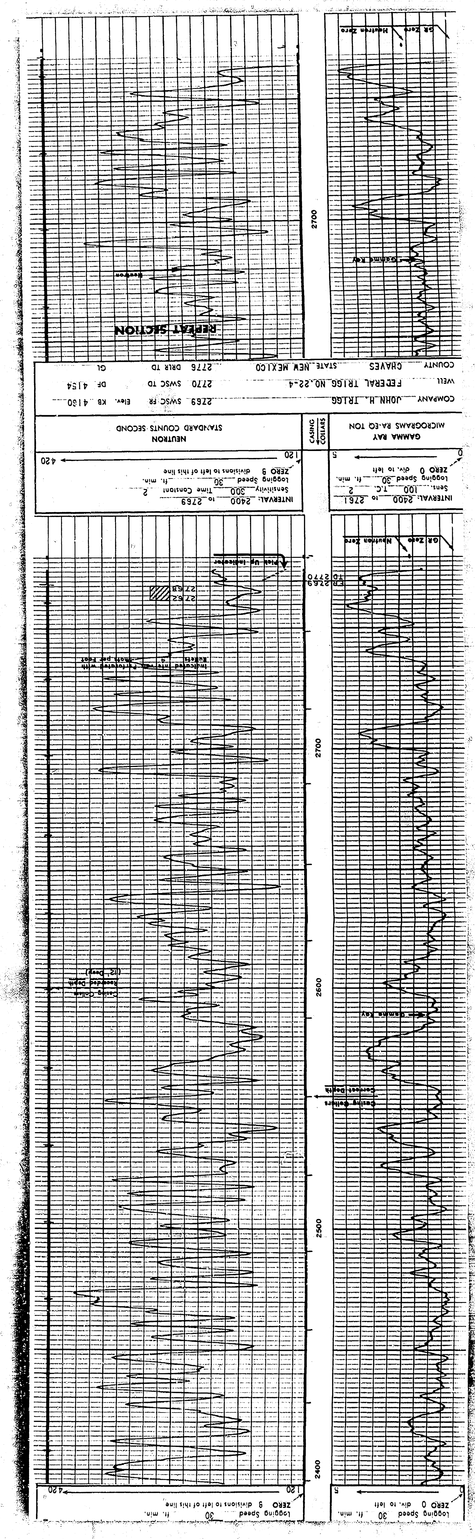
INTERVAL 100 to 2600
Time Constant 1
Logging Speed 60 ft./min.
ZERO 0 div. to left

INTERVAL 2600 to 2785
Time Constant 1
Logging Speed 30 ft./min.
ZERO 0 div. to left




DETAIL LOG
5" = 100'
NEUTRON
STANDARD COUNTS SECOND
CASING COLLARS
GAMMA RAY
MICROGRAMS Ra EQ. TON
INTERVAL 2600 to 2761
Scale 100 per Division
INTERVAL 2600 to 2761
Scale 100 per Division
2
Casing Collars
Cement Depth
Gamma Ray
Neutron Rate
Casing Collars
Cement Depth
Casing Collars
Cement Depth
Gamma Ray
Neutron Rate
FR 2759
TD 2761
Open Casing
Perforations
(Shown)
Casing
Casing
Perforations
(Shown)
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700


2400
2500
2600
2700
FR 2768
TD 2770
Pick Up Indicator
GR Zero
Neutron Zero
Cased Gamma Ray
Cased Gamma Ray
Casing Collars
Recorded Depth
(12' Down)
Neutron
DETAIL LOG
5"= 100'
GAMMA RAY
MICROGRAMS RA EQ TON
COUNTS
CASING
NEUTRON
STANDARD COUNTS SECOND
INTERVAL 2400 to 2761
Sens. 100 T.C. 2
Logging Speed 30 ft. min.
ZERO 0 div. to left
0
5
INTERVAL 2400 to 2769
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. min.
ZERO 8 divisions to left of this line
120
420
Casing Collars
Recorded Depth
(12' Down)
Indicated Intervals Perforated with
Rubert 4 Shots per Foot
2762
2763
FR 2769
TO 2770
Pick Up Indicator
GR Zero
Neutron Zero
INTERVAL 2400 to 2761
Sens. 100 T.C. 2
Logging Speed 30 ft. min.
ZERO 0 div. to left
0
5
INTERVAL 2400 to 2769
Sensitivity 300 Time Constant 2
Logging Speed 30 ft. min.
ZERO 8 divisions to left of this line
120
420
GAMMA RAY
MICROGRAMS RA EQ TON
COUNTS
CASING
NEUTRON
STANDARD COUNTS SECOND
COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG NO.22-4
COUNTY CHAVES STATE NEW MEXICO
2769 SWSC FR Elev. KB 4130
2770 SWSC TD DF 4154
2776 DRLR TD GL
REPEAT SECTION


COMPANY JOHN H. TRIGG
WELL FEDERAL TRIGG No. 22-4
COUNTY CHAVES STATE NEW MEXICO
GAMMA RAY MICROGRAMS RA-DIUM
NEUTRON STANDARD COUNTS SECOND
REPEAT SECTION
2700
2600
2500
2400