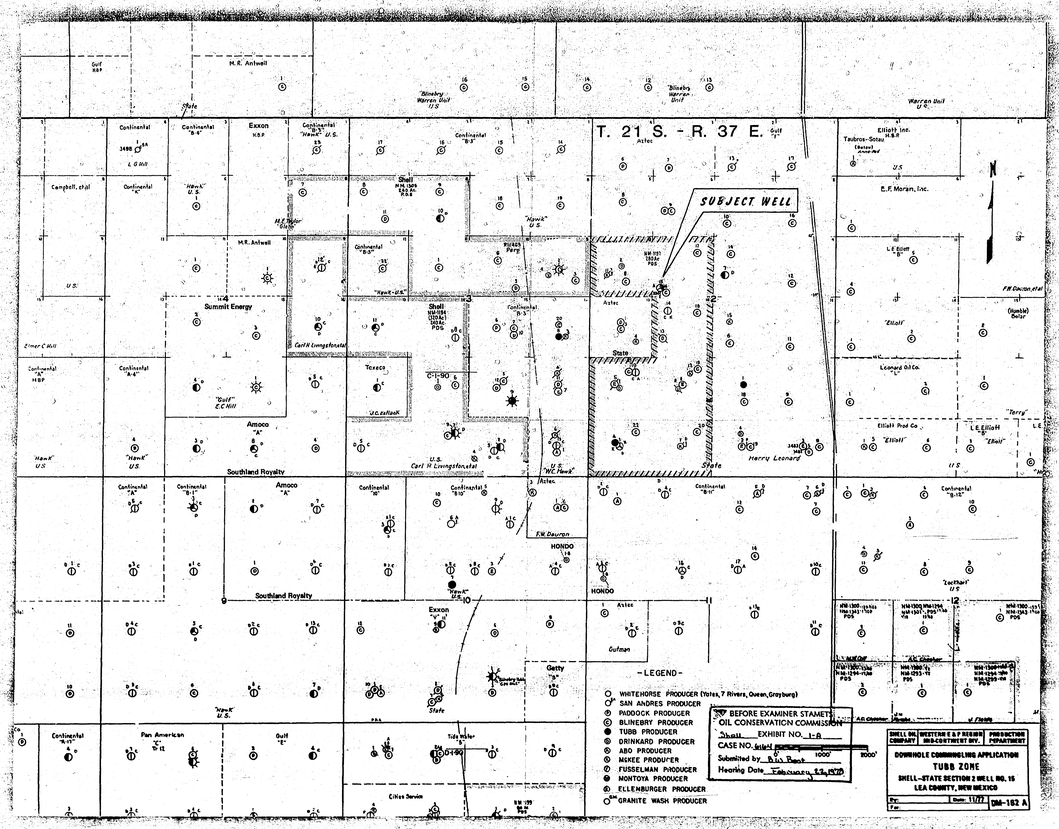
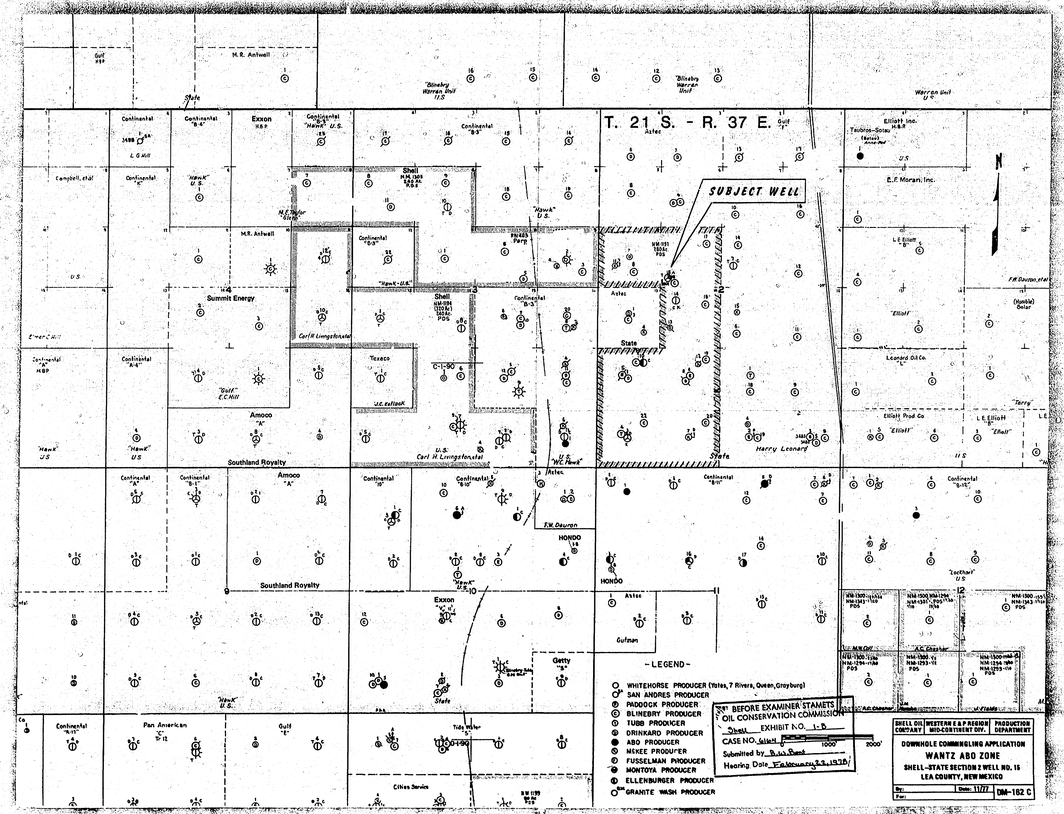
Case No
6164

Large Exhibits

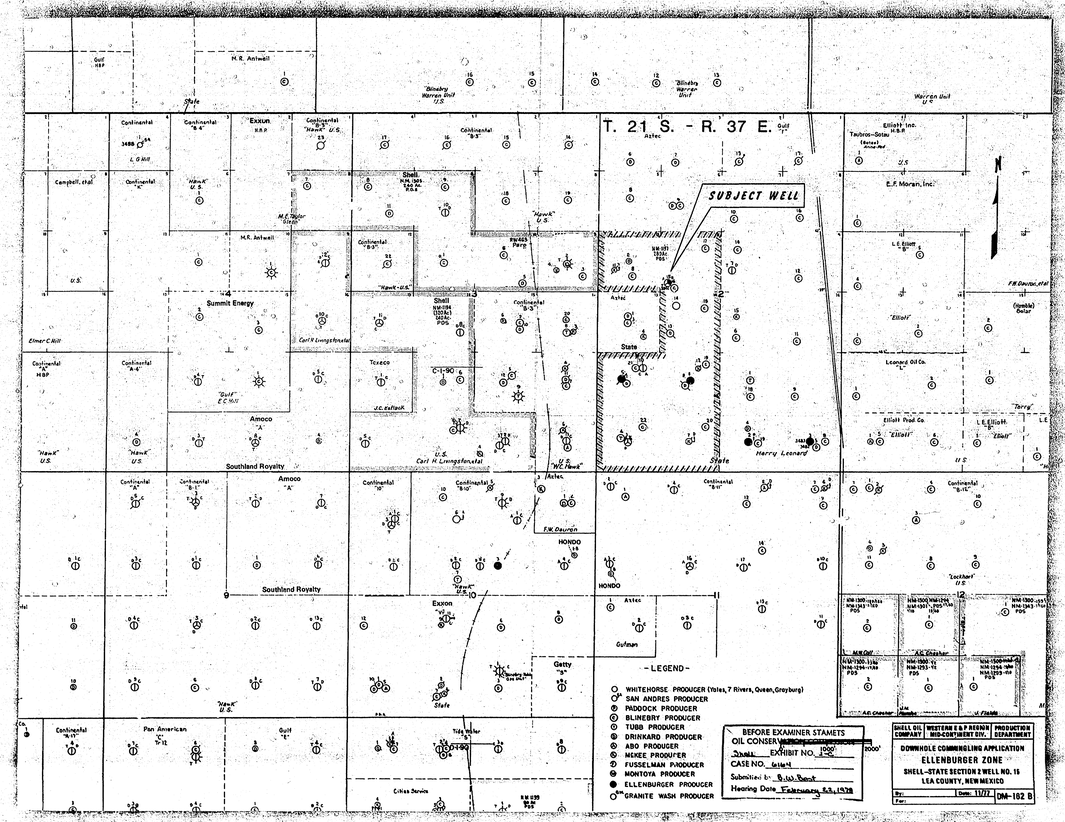
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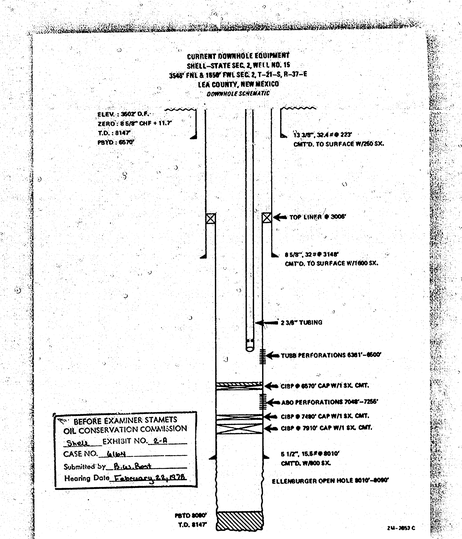
V.S.N.C.P. MICROGRAPHICS
BEST AVAILABLE COPY



U.S.G.S. PHOTOGRAPHIC
NOT MICROFILMED


T. 21 S. - R. 37 E.
SUBJECT WELL
N
Gulf
H.R. Antwell
"Blinebry Warren Unit"
Warren Unit
Continental
Exxon
Campbell, et al
M.F. Taylor Estate
Shell
Summit Energy
Elmer C. Hill
Carl H. Livingston et al
Texaco
C-1-90
J.C. Sullivan
Amoco
"A"
"Gulf" E.C. Hill
Southland Royalty
"Hawk" U.S.
Pan American
"C"
Gulf
"L"
Tide Water
Cities Service
NM 035
Aztec
State
Harry Leonard
Elliott Inc.
Tenbrus-Sinclair
Tenneco Prod. Dept.
E.F. Moran, Inc.
L.E. Elliott
"Elliott"
Leonard Oil Co.
"L"
Elliott Prod Co.
"Terry"
Lockhart
U.S.
A.C. Crocker
Gulfman
HONDO
F.W. Osburn
Gatty
"A"
- LEGEND -
WHITEHORSE PRODUCER (Yates, 7 Rivers, Queen, Greyburg)
SAN ANDRES PRODUCER
PADDOCK PRODUCER
BLINEBRY PRODUCER
TUBB PRODUCER
DRINKARD PRODUCER
ABO PRODUCER
MCKEE PRODUCER
FUSSELMAN PRODUCER
MONTOYA PRODUCER
ELLENBURGER PRODUCER
GRANITE WASH PRODUCER
BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 1000
CASE NO. 6164
Submitted by: Shell Oil Co.
Hearing Date February 23, 1978
SHELL OIL COMPANY | WESTERN E & P REGION MID-CONTINENT DIV. | PRODUCTION DEPARTMENT
DOWNHOLE COMMINGLING APPLICATION
ELLENBURGER ZONE
SHELL-STATE SECTION 2 WELL NO. 15
LEA COUNTY, NEW MEXICO
By: Date: 11/77
Fer:
DM-182 B

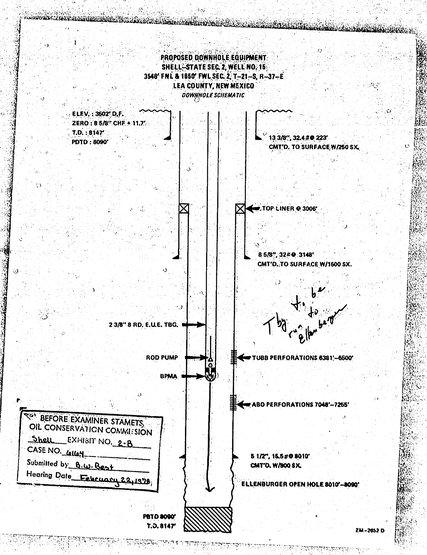
CURRENT DOWNHOLE EQUIPMENT
SHELL-STATE SEC. 2, WELL NO. 15
3548' FNL & 1650' FWL SEC. 2, T-21-S, R-37-E
LEA COUNTY, NEW MEXICO
DOWNHOLE SCHEMATIC



BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. C-8
CASE NO. 6164
Submitted by R. W. Bent
Hearing Date February 22, 1978

U.S.B.C.P. MICROGRAPHICS
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PROPOSED DOWNHOLE EQUIPMENT
SHELL-STATE SEC. 2, WELL NO. 15
3560' FNL & 1650' FWL SEC. 2, T-21-S, R-37-E
LEA COUNTY, NEW MEXICO
DOWNHOLE SCHEMATIC



BEFORE EXAMINER STAMETS,
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. 2-B
CASE NO. 6144
Submitted by Shell-Rent
Hearing Date February 28, 1979

V.E.N.C.P. MICROGRAPHICS
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NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

G-116
Revised (-1-65)

Operator: SHELL OIL COMPANY | Pool: TUBB | County: LEA

Address: P. O. BOX 1509, MIDLAND, TEXAS 79702 | TYPE OF TEST - (X) Scheduled ☐ Completion ☐ Special X

LEASE NAME	WELL NO.	LOCATION U	S	T	R	DATE OF TEST	TYPE COMP. (S or D)	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBLS	GRAV. OIL	OIL BBLS	GAS M.C.F.	GAS - OIL RATIO CU.FT/BBL
State Sec. 2	15	K	2	21	37	11-1-77	P	-	-	7	24	Trace	36.8	5	34	6,800

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. 5-B
CASE NO. 6164
Submitted by: Shell
Hearing Date: February 22, 1978

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio tests, each well shall be produced at a rate not exceeding its top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.650.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

R. J. Coenen
(Signature)
Division Production Superintendent
(Title)

U.N.M.C.F. MICROGRAPHICS
NEW MEXICO STATE

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 9-1-65

Operator: SHELL OIL COMPANY | Pool: TUBB AND WANTZ-ABO | County: LEA

Address: P. O. BOX 1509 MIDLAND, TEXAS 79702 | TYPE OF TEST - (X) Scheduled [ ] Completion [ ] Special [X]

LEASE NAME	WELL NO.	LOCATION U	S	T	R	DATE OF TEST	TYPE OF COMP.	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW. ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBLS.	GRAV. OIL	OIL BBLS.	GAS M.C.F.	GAS - OIL RATIO CU.FT/BBL.
State Sec. 2	15	K	2	21	37	11-16-77	P	-	-	Test	24	1	35.1	8	45	5,625
														1160 →	3	9

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. S-D
CASE NO. 6604
Submitted by R. G. Root
Hearing Date February 22, 1978

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located. In no case shall a well be assigned an allowable greater than the amount produced during the test unless authorized by the Commission.

Gas volume must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.65.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

R. J. Connon
(Signature)
Division Production Superintendent
(Title)

U.S.B.C.F. MICROGRAPHICS
NOT AVAILABLE COPY

NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS

C-116
Revised 1-1-65

Operator: SHELL OIL COMPANY | Pool: TUBB, WANTZ-ABO AND BRUNSON | County: LEA

Address: P. O. BOX 1509 MIDLAND, TEXAS 79702 | TYPE OF TEST - (X) | Scheduled ☐ | Completion ☐ | Special [X]

LEASE NAME	WELL NO.	LOCATION U	S	T	R	DATE OF TEST	TYPE OF COMPL (S) or (D)	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST WATER BBLS.	GRAV. OIL	OIL BBLS.	GAS M.C.F.	GAS - OIL RATIO CU.FT/BBL.
State Sec. 2	15	K	2	21	37	12-7-77	P	-	-	Test	24	22	36.8	17	50	2,941
														9	5	

Ellenburger

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Depco EXHIBIT NO. S-6
CASE NO. 6164
Submitted by B.W. Bent
Hearing Date February 28, 1978

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio tests, each well shall be produced at a rate not exceeding its top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

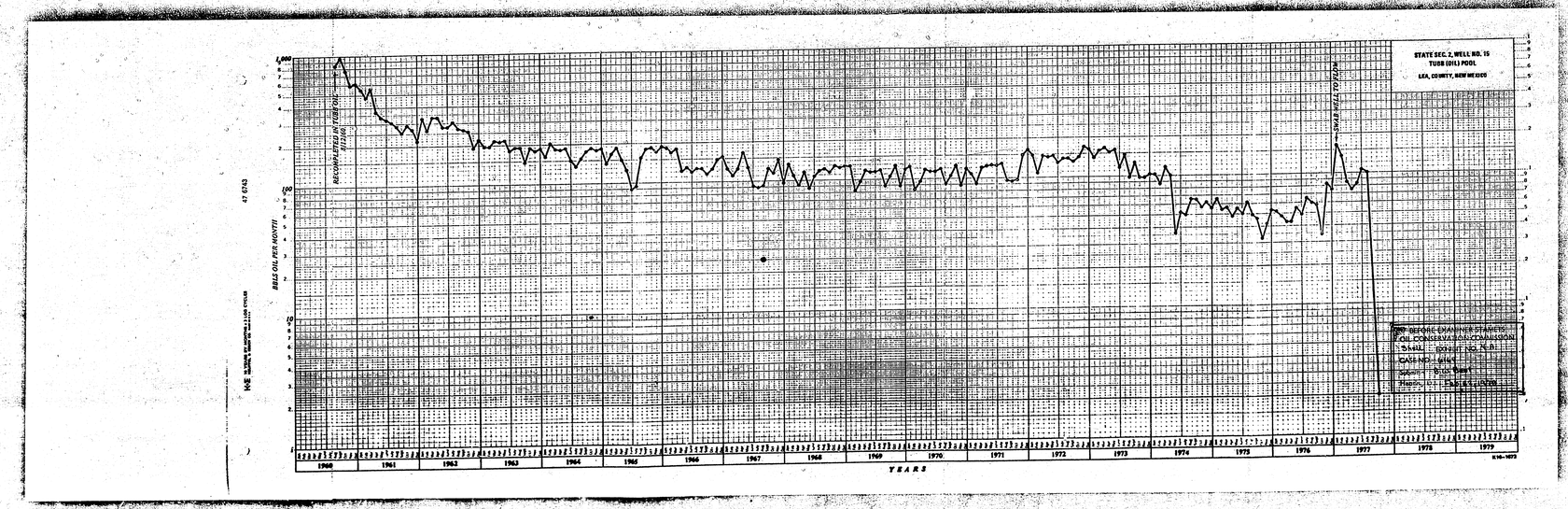
Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

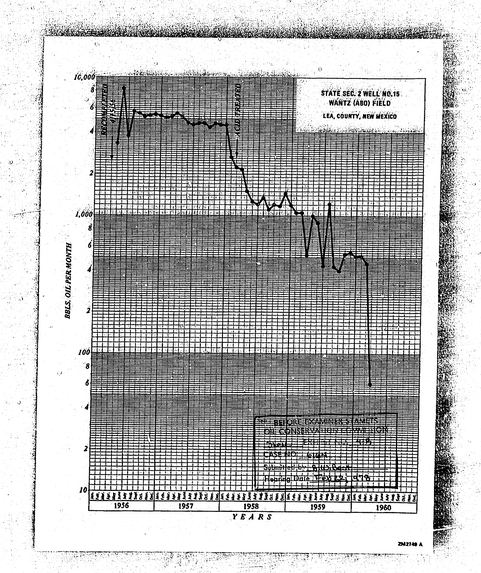
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

R. J. Coomen
(Signature)
Division Production Superintendent
(Title)

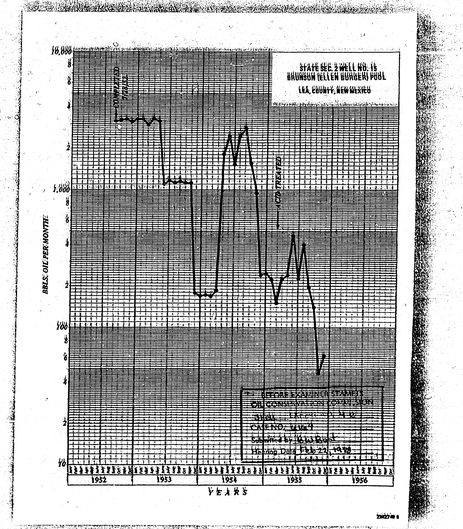
V.E.R.C.P. MICROGRAPHICS
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V.R.N.C.F. MICROGRAPHICS
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STATE SEC. 2 WELL NO.15
WANTZ (ABO) FIELD
LEA, COUNTY, NEW MEXICO
BBLS. OIL PER MONTH
10,000
8
6
4
2
1,000
8
6
4
2
100
8
6
4
2
10
1956
1957
1958
1959
1960
YEARS
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
2N2748 A


U.S.G.S. GEOGRAPHICS


STATE SEC 2 WELL NO. 15
BRUNSON (ELLEN BURGER) POOL
LEA COUNTY, NEW MEXICO
COMPUTED
ACTUAL
BBLS. OIL PER MONTH
1,000
100
10
1952
1953
1954
1955
1956
YEARS

STATE SEC. /2 WELL NO. 15
PRODUCTION RATE AND CUMULATIVE
PROVIDED COMMINGLED POOLS
TUBB (OIL) PRODUCTION

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	YEAR TOTAL	CUM.
1960								843	949	765	592	612	3,761	3,761
1961	546	477	562	366	336	319	305	287	253	289	270	221	4,231	7,992
1962	324	262	350	328	282	283	297	267	257	256	189	218	3,293	11,285
1963	196	196	217	211	215	180	190	191	147	187	178	186	2,326	13,611
1964	161	203	187	179	186	151	135	156	177	187	179	186	2,087	15,698
1965	141	168	187	150	125	89	93	155	180	186	171	185	1,830	17,528
1966	182	169	180	120	128	119	124	124	116	125	149	155	1,689	19,217
1967	125	111	124	167	127	91	89	91	127	114	145	95	1,406	20,623
1968	133	109	91	116	87	109	117	122	114	128	125	128	1,379	22,002
1969	115	82	126	94	128	127	137	102	121	86	119	102	1,339	23,341
1970	126	81	95	117	113	112	117	89	105	128	89	119	1,291	24,632
1971	107	90	130	122	125	125	129	95	93	96	149	161	1,412	26,044
1972	148	107	148	142	144	129	138	139	133	143	169	165	1,705	27,749
1973	138	157	166	151	159	114	148	97	127	98	98	101	1,554	29,303
1974	102	86	116	101	36	52	50	66	65	57	62	55	848	30,151
1975	65	54	56	48	55	50	61	49	46	32	42	53	611	30,762
1976	52	48	43	43	54	49	65	60	58	34	63	74	663	31,425
1977	164	133	85	75	82	105	100	2						

V.R.N.C.P. MICROGRAPHICS
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STATE SEC. 6 WELL NO. 13
PRODUCTION RATE AND CUMULATIVE
PROPOSED COMMINGLED POOLS

WATER AND PRODUCTION

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	YEAR TOTAL	CUM.
1956				333	824	372	374	338	321	327	330	324	4,763	4,763
1957	513	520	549	515	465	451	485	465	429	464	455	453	5,744	10,507
1958	261	222	216	149	125	120	134	110	120	118	146	119	1,840	12,347
1959	104	104	52	99	88	43	123	43	40	53	54	51	854	13,201
1960	51	45	4										102	13,303

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell EXHIBIT NO. 5-D
CASE NO. 4144
Submitted by: Shell
Hearing Date Feb 23, 1970

STATE SEC. 2 WELL NO. 15
PRODUCTION RATE AND CUMULATIVE
PROPOSED COMMINGLED POOLS

BRUNSON ELLENBURGER PRODUCTION

YEAR	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	YEAR TOTAL	CUM.
1952								3147	3190	3259	3100	3251	15,947	15,947
1953	3232	2947	3274	3193	1101	1188	1118	1147	1110	1116	179	169	19,774	35,721
1954	173	168	186	1840	2480	1520	2445	2817	1569	946	240	248	14,632	50,353
1955	223	149	224	240	465	224	399	196	139	46	62		2,367	52,720

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMM.
Shell Exhibit No. 5-C
CASE NO. 6184
Submitted by Shell
Hearing Date Feb 22, 1978

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SCHLUMBERGER WELL SURVEYING CORPORATION

Gamma Ray-Neutron

COMPANY SHELL OIL COMPANY

WELL STATE # 15

FIELD BRUNSON

LOCATION SEC. 2-21S-37E

COUNTY LEA

STATE NEW MEXICO

Location of Well
3546' F NL
1650' F WL
Sec. 2-21S-37E

GRN

Elevation D.F. 3502
K.B.
or G.L. 3490

FILING No.

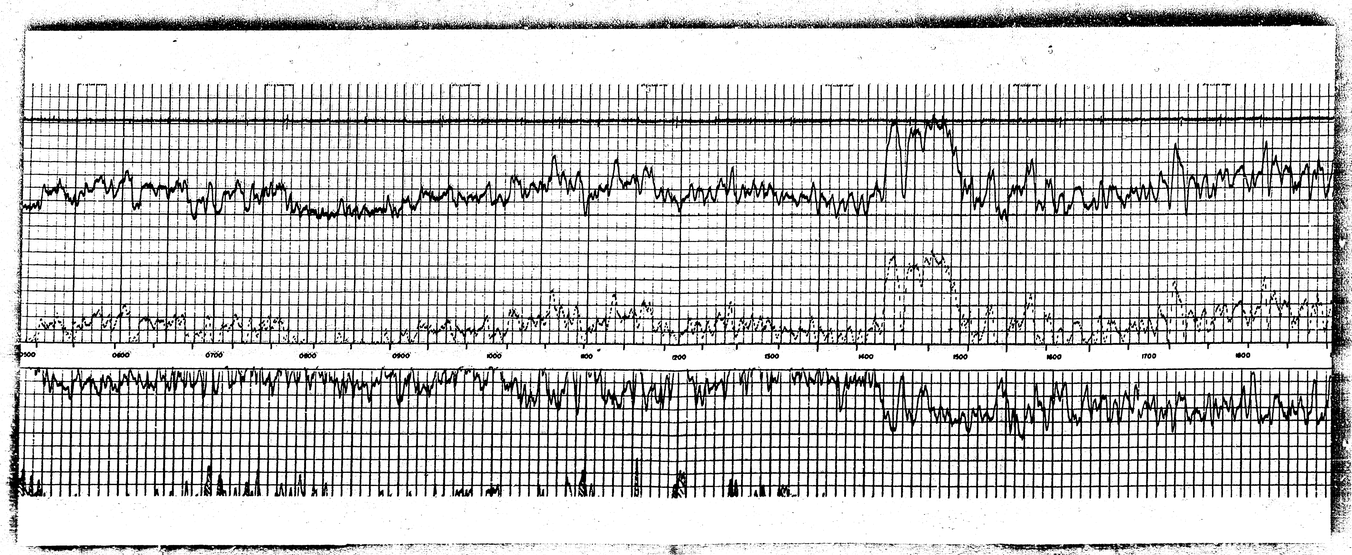
COUNTY LEA
FIELD BRUNSON
WELL STATE # 15
COMPANY SHELL OIL CORPORATION

RUN NO.			
Date	12-21-55		
Depth Reference	K.B.	K.B.	K.B.
First Reading	8014		
Last Reading	3100		
Footage Measured	4914		
Max. Depth Reached	8014		
Bottom Driller	8015		
Maximum Temp. °F.			
Mud: Nature	NONE		
" Density			
" Viscosity			
" Resistivity	@ °F.	@ °F.	
Casing Size & 1	8 5/8" to 3148		to
Weight 2	24# to 8015		to
Open Hole 3	4 3/4" to 8014		to
" 4	" to		to
Fluid Level	Static		
Recording Speed (ft/hr)	1000" & 4000"		
Sensitivity Log	(GR) 100	IN 800/600 (GR)	IN)
Time Constant			
Pump	Pump # 39		
Run No.	1		
Depth Rig Time	8 A.M.		
Depth Size & Time	8 P.M.		
Truck No.			
Observer			

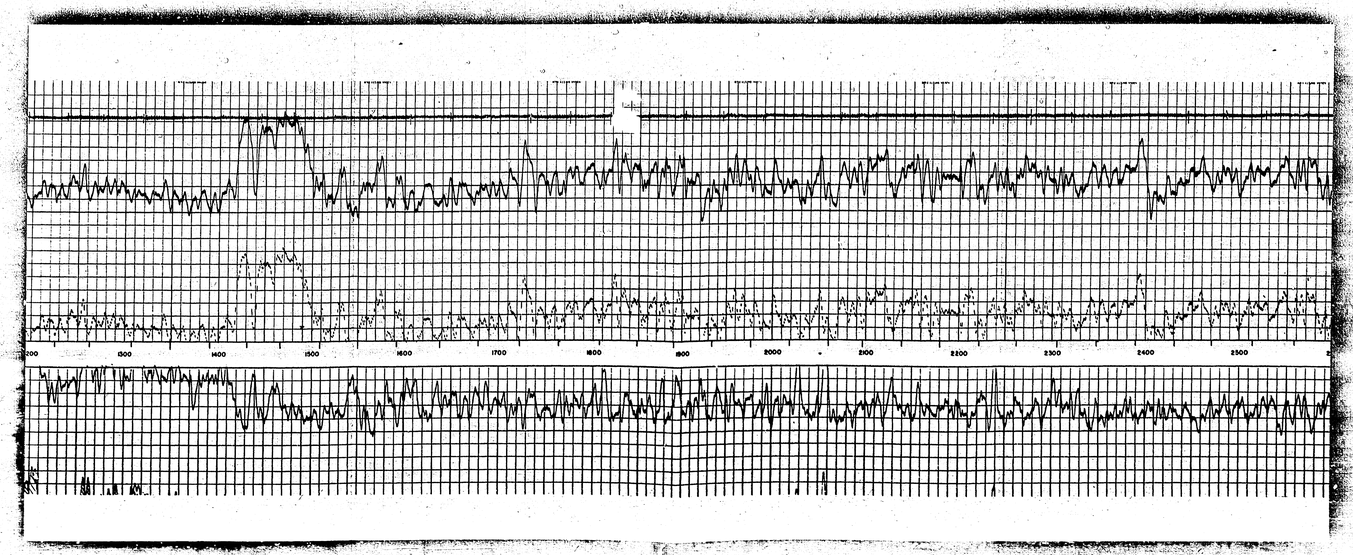
BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
Shell Exhibit No. 6

CASE NO. 6169
Submitted by Bob Reed
Hearing Date Jan 25, 1978

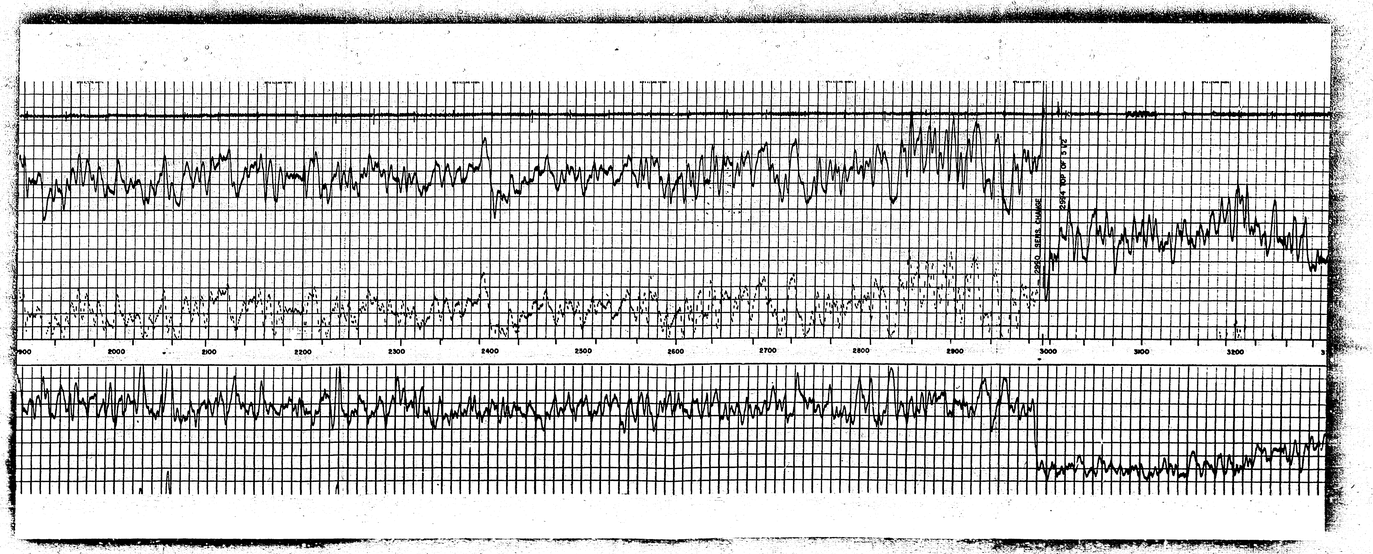
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GAMMA RAY CALIBRATOR
NEUTRON CALIBRATOR
MICROLOG CALIBRATOR
MAIN LOG
REPEAT SECTION
TEST POINT OFF
GAMMA RAY-NEUTRON-MICROLOG
MICROLOG
NEUTRON
GAMMA RAY
CASING COLLAR LOG
SPONTANEOUS POTENTIAL
RESISTIVITY
SHORT NORMAL
LONG NORMAL
LATERAL
MICROLOG
CALIPER
MAIN SCALE



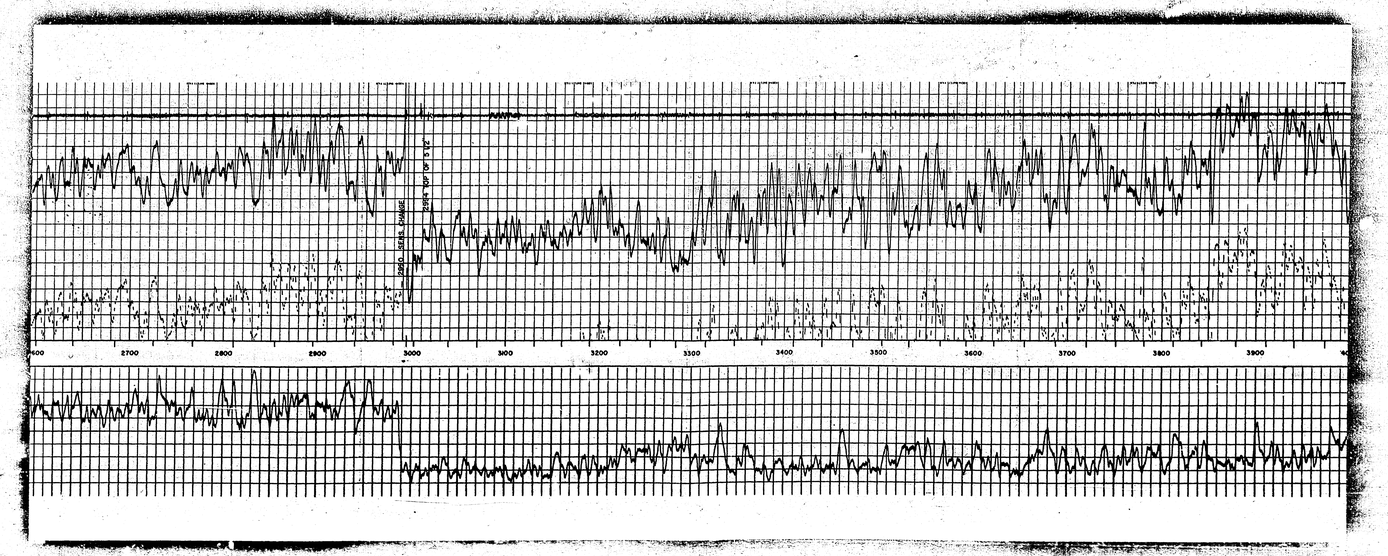
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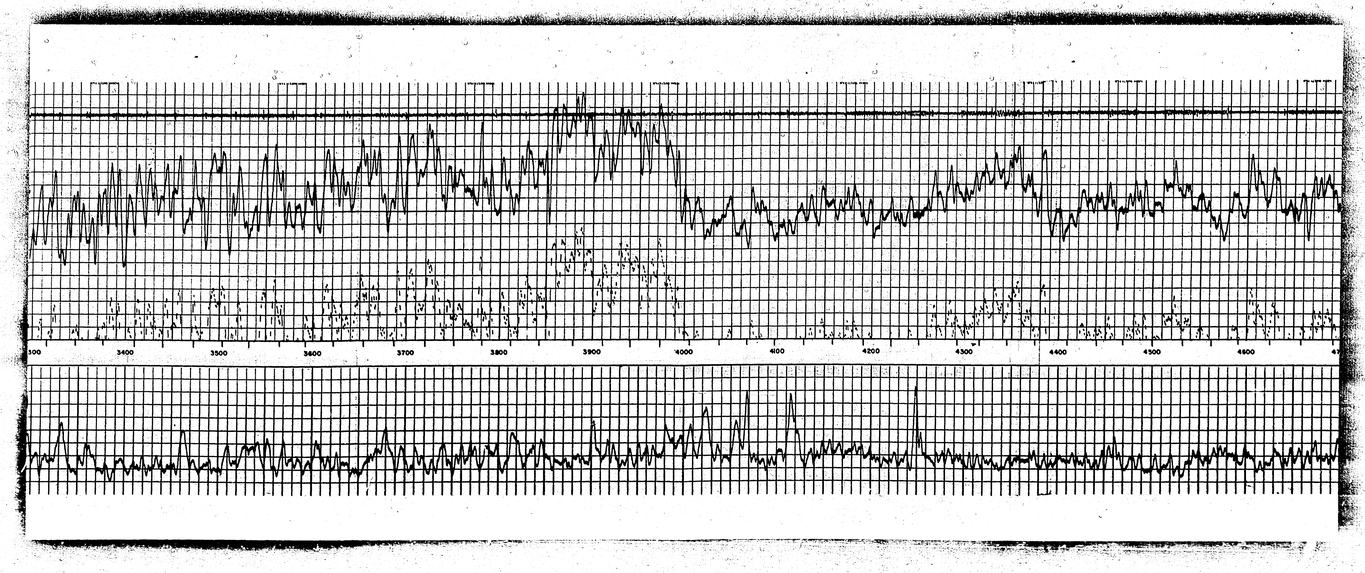
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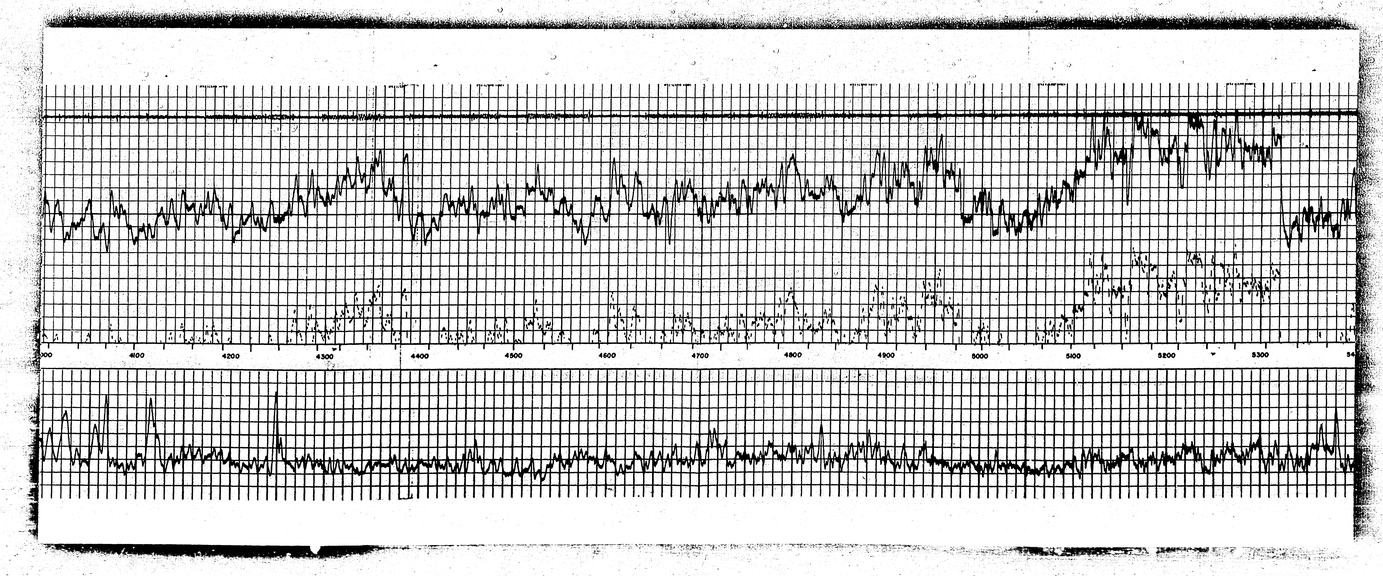
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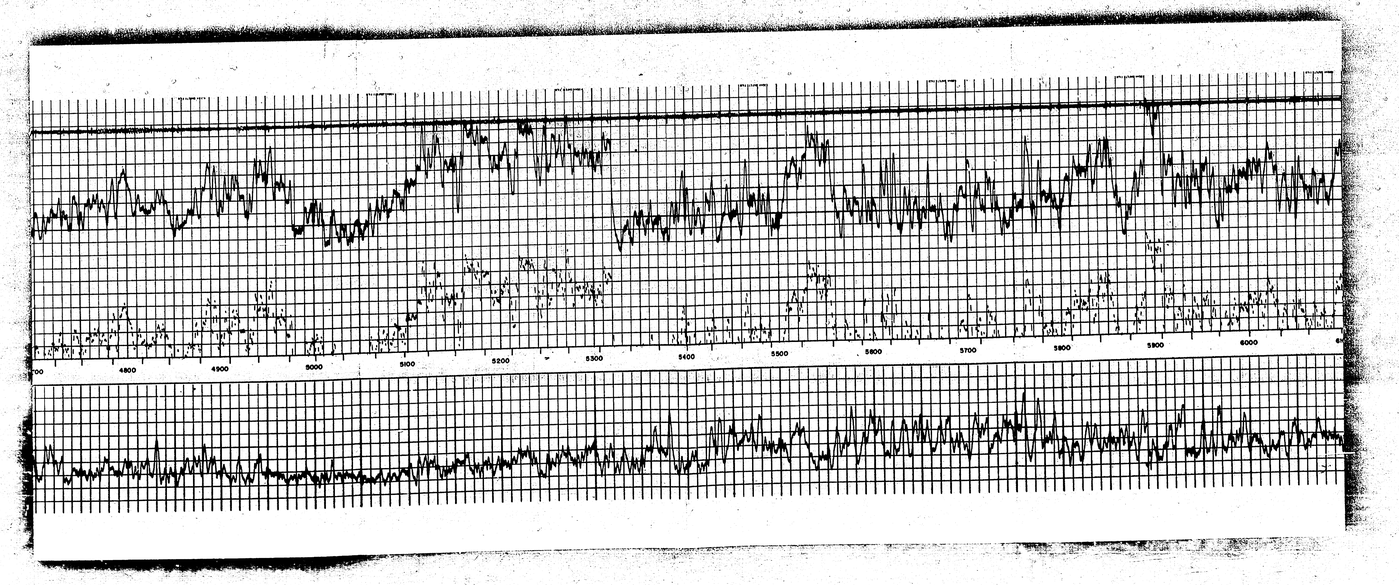
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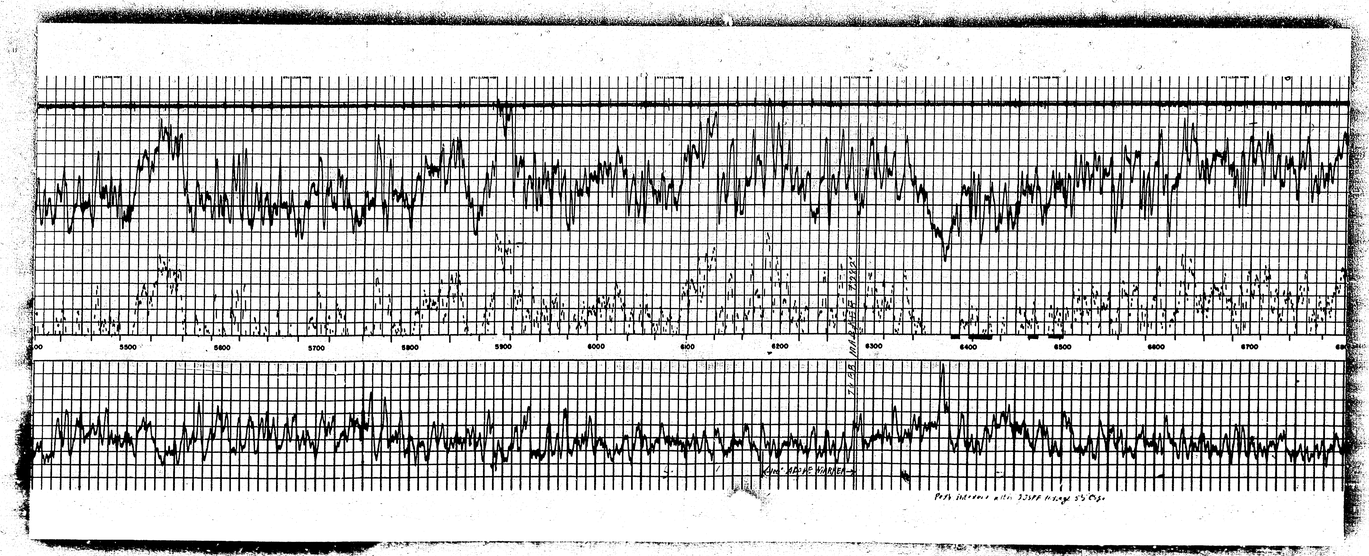
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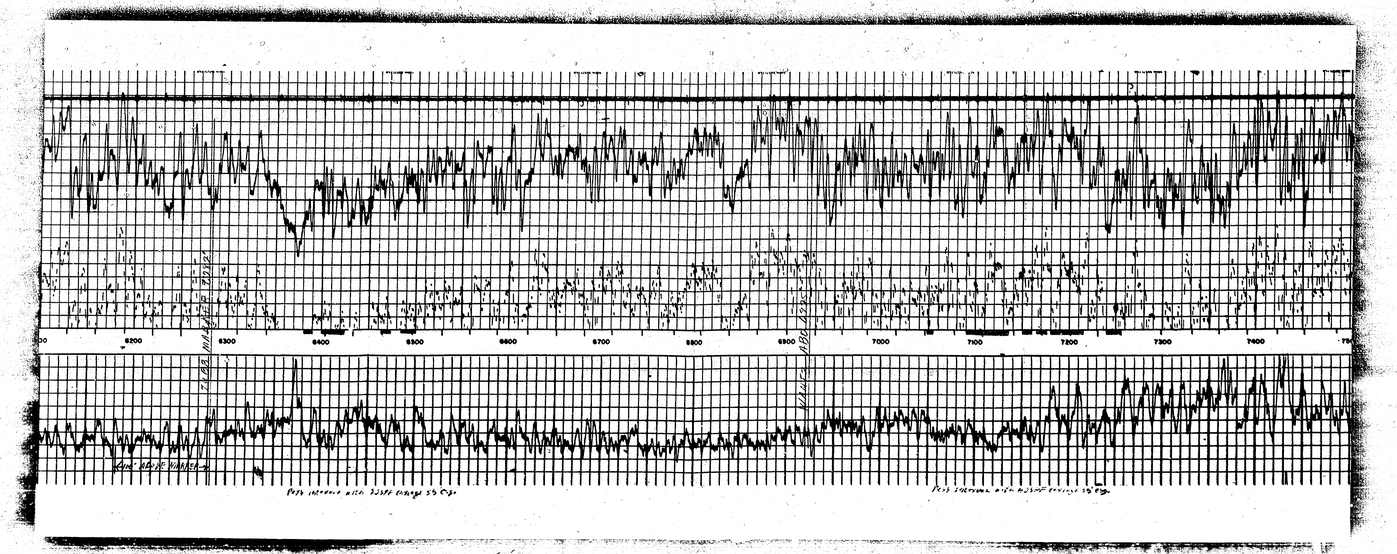
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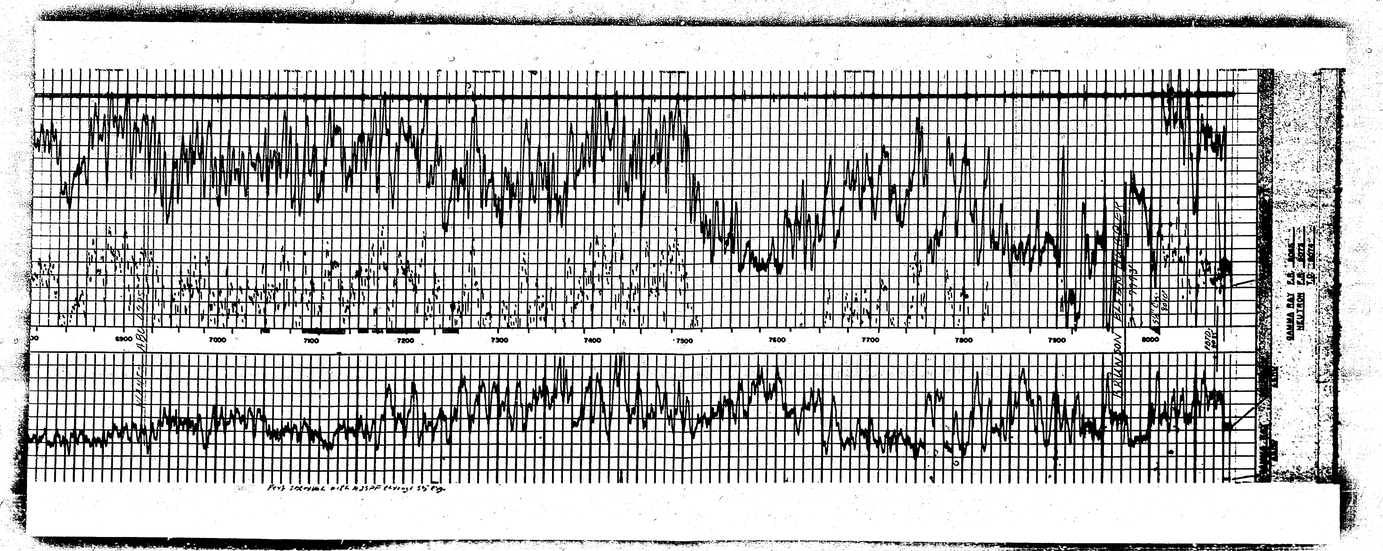
V.E.R.C.F. RECORDPRINTS
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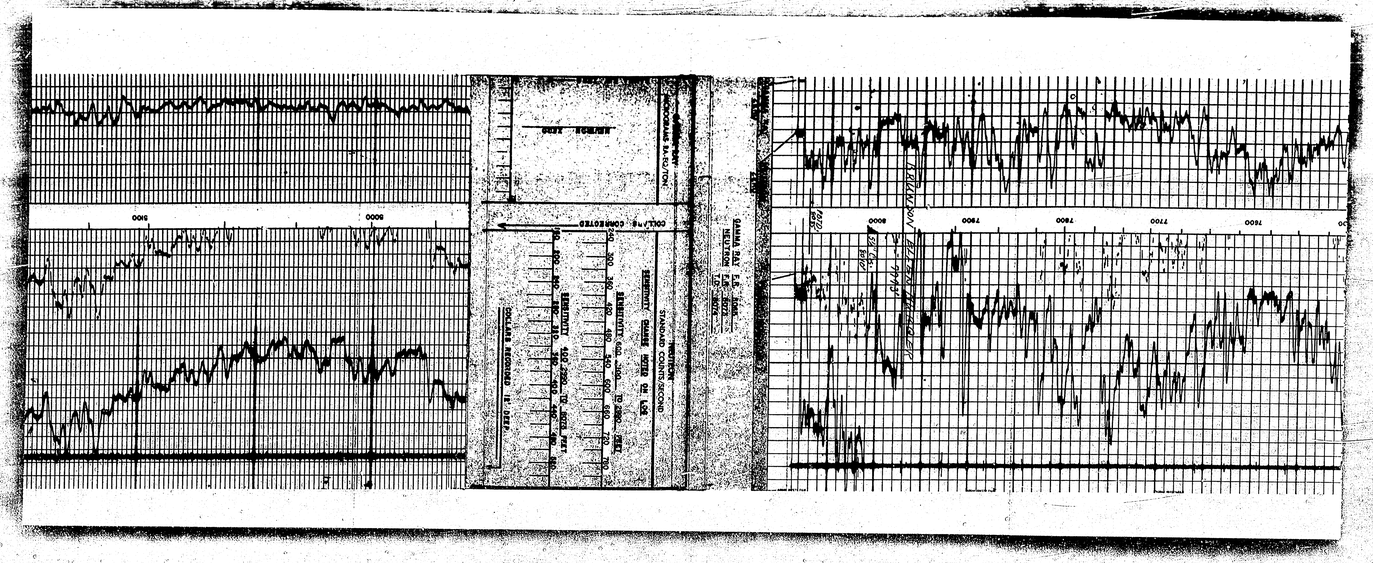
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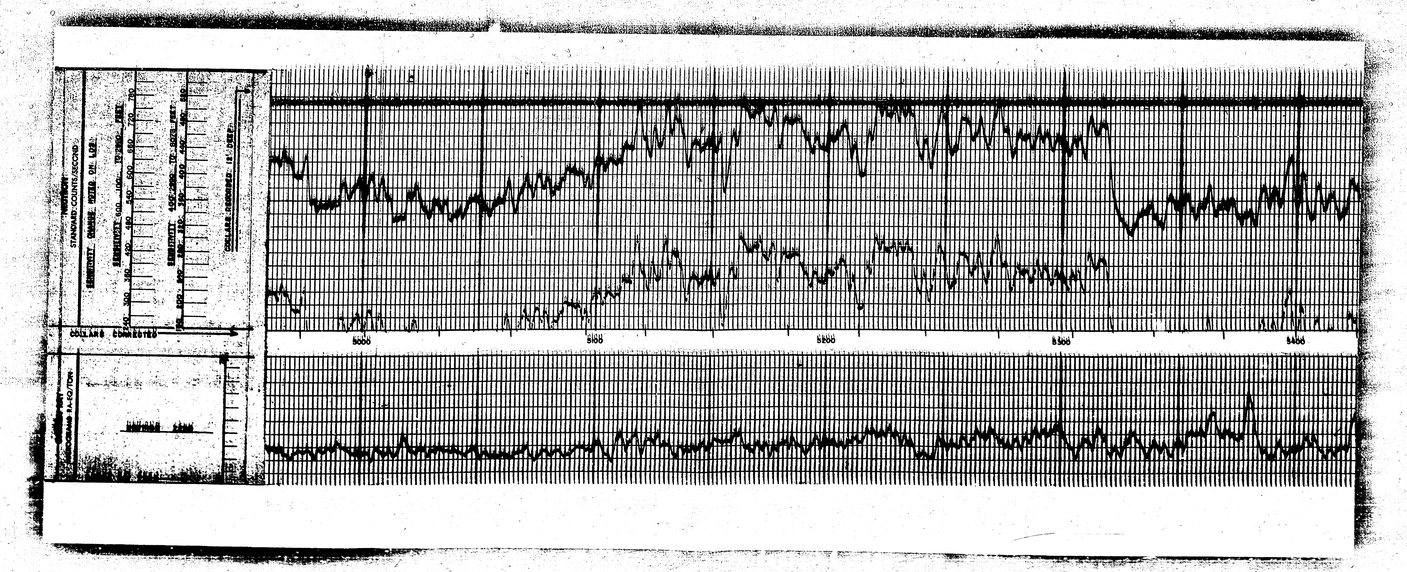


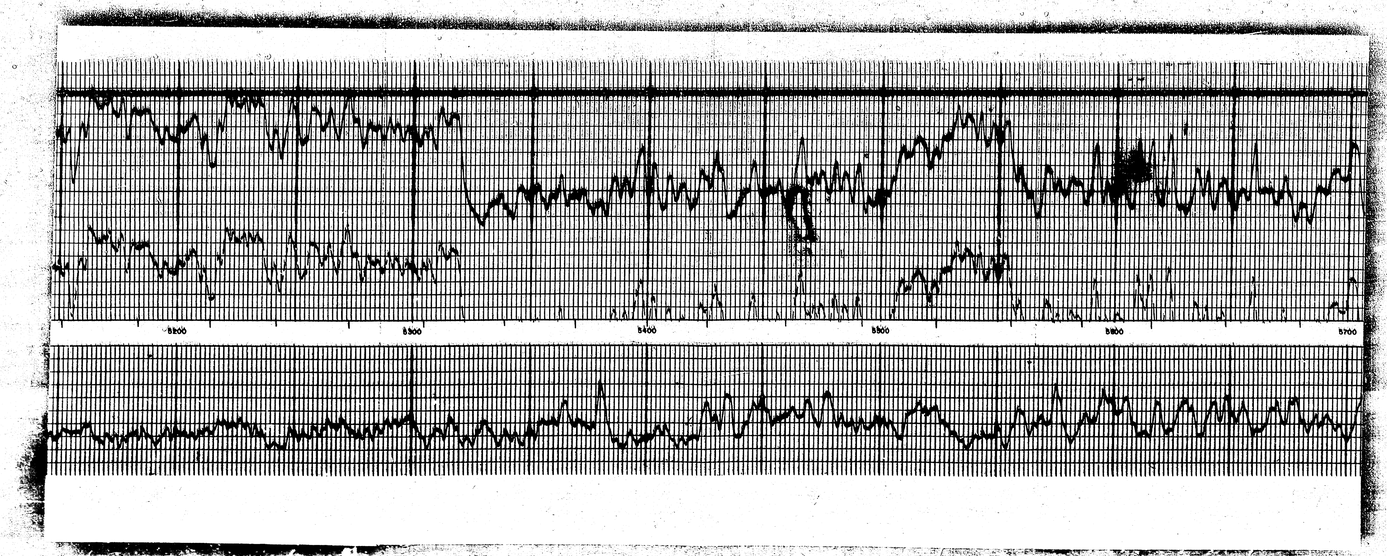
V.N.N.C.F. MICROGRAPHICS



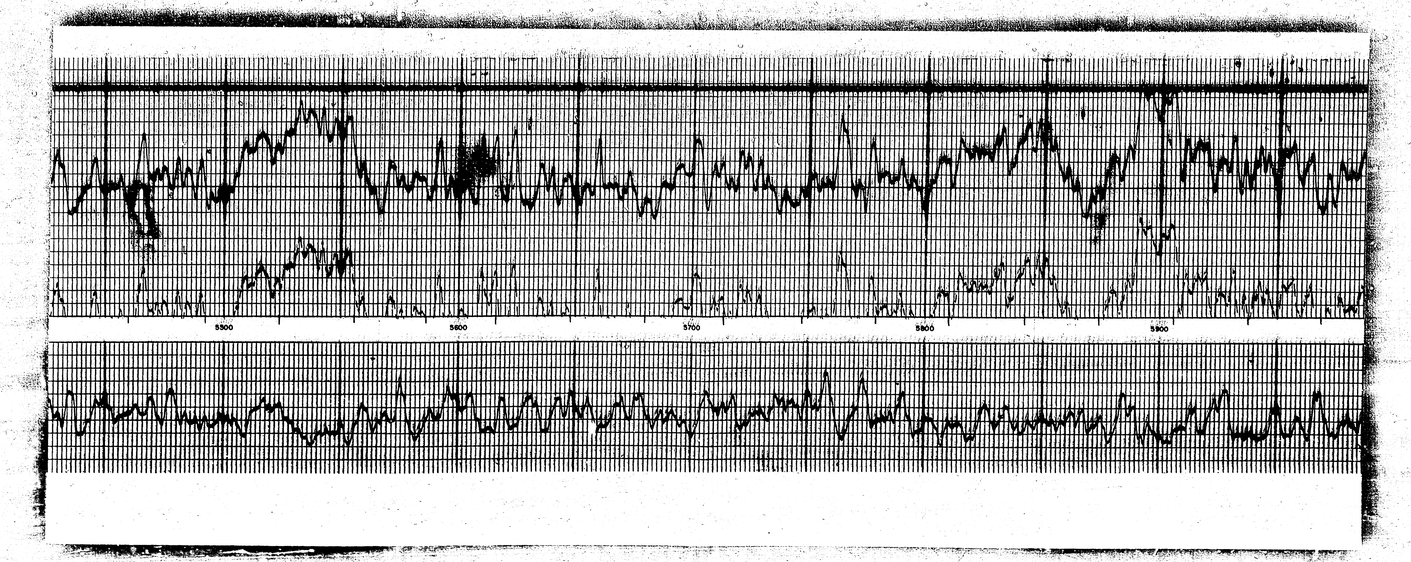
V.R.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



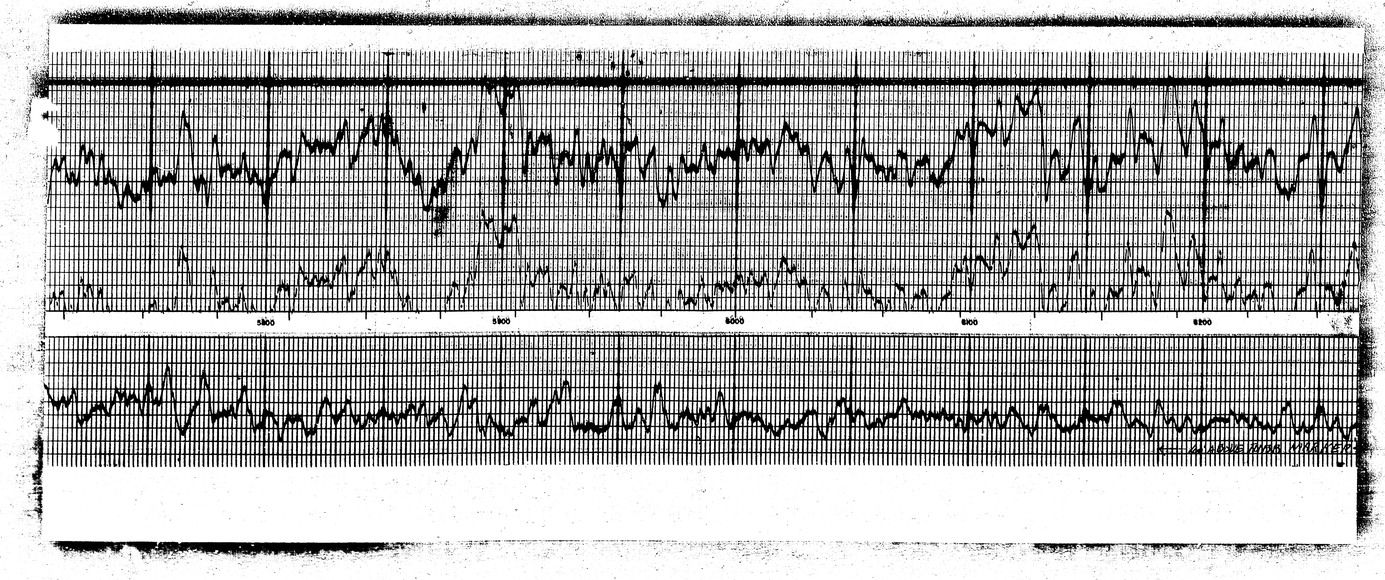

COLLAR CONNECTED
5000
5100
5200
5300
5400

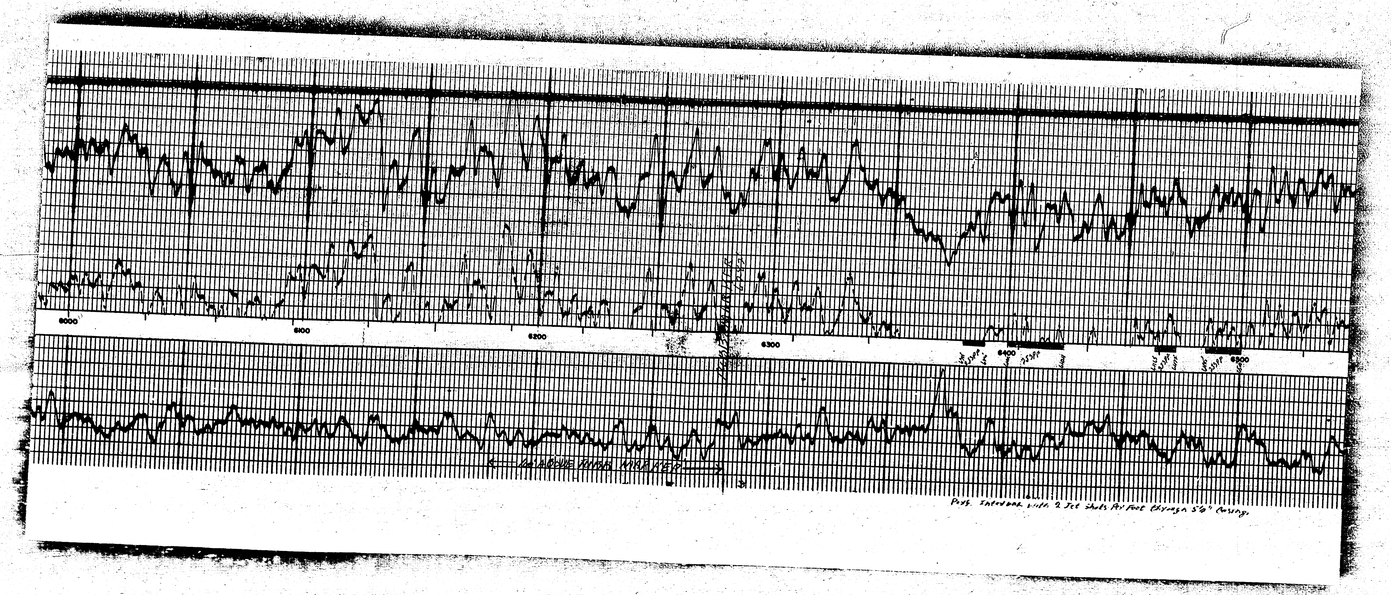


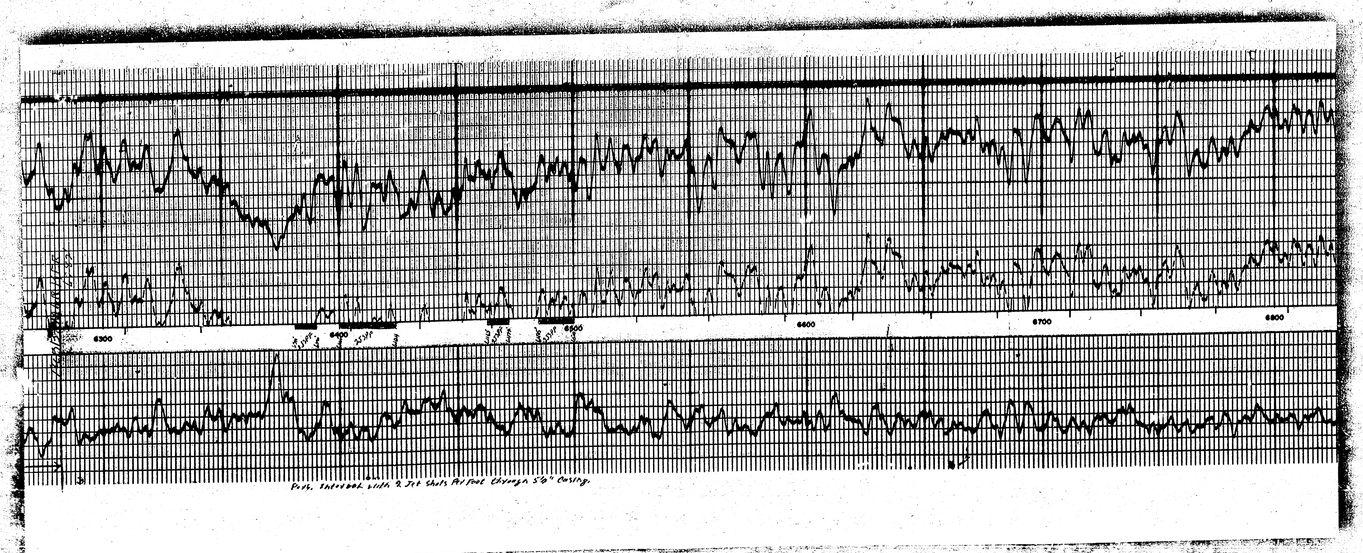
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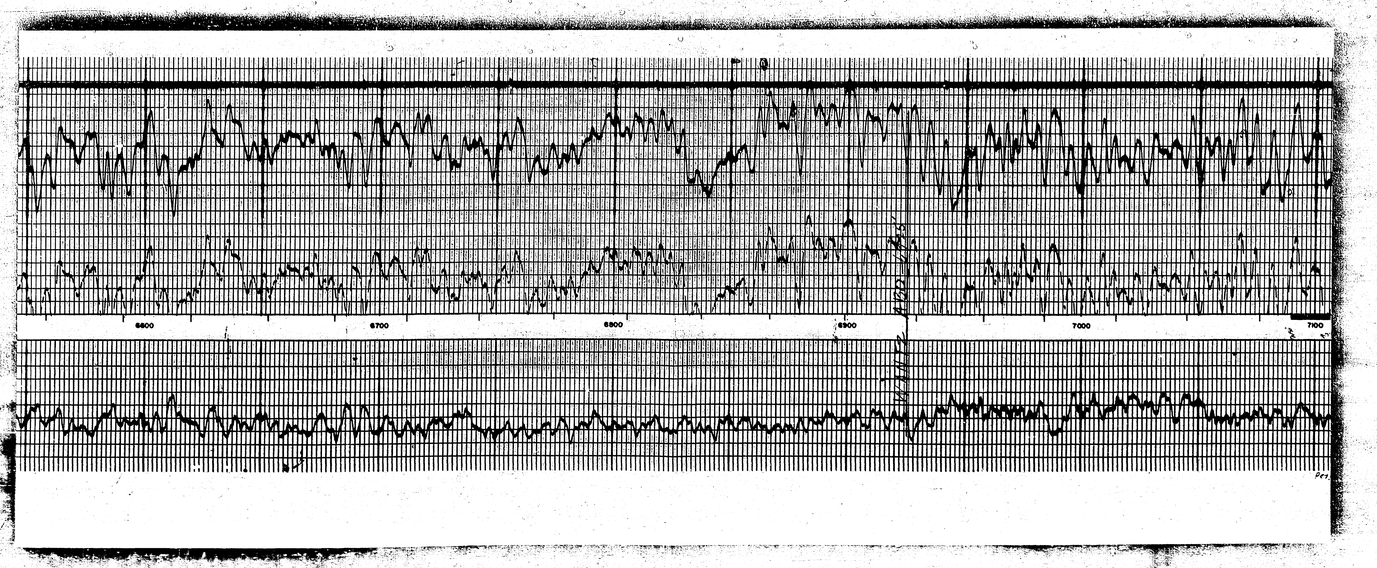
U.S.B.C.F. HYDROGRAPHICS
BEST AVAILABLE COPY

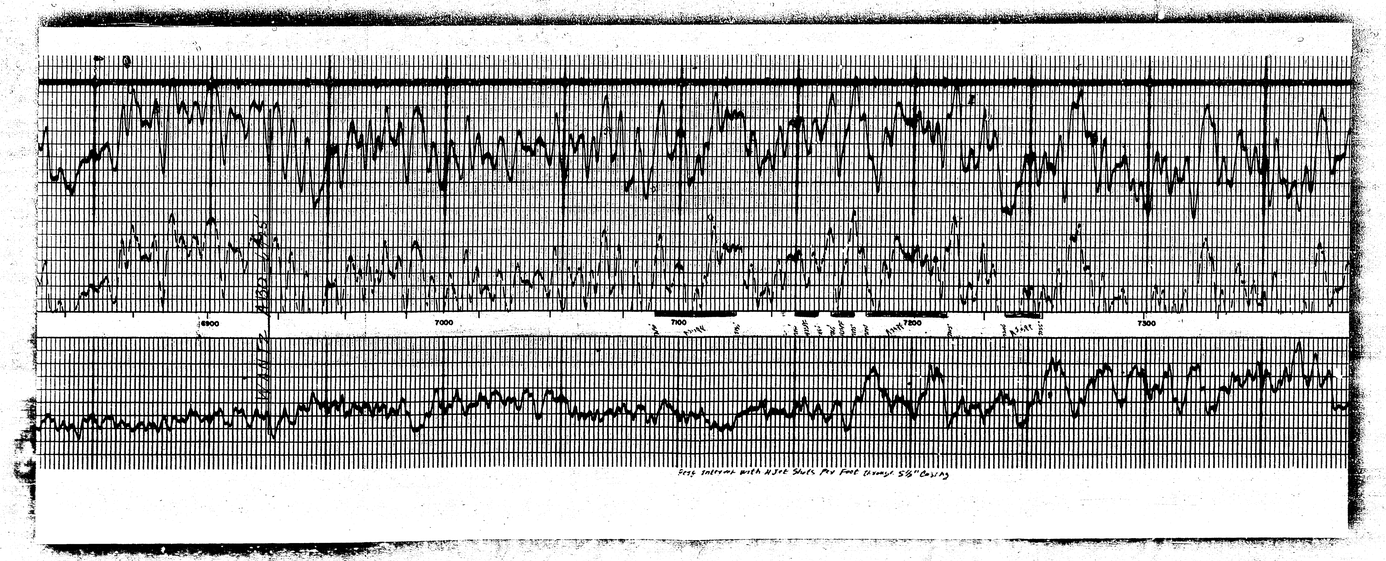

5800
5900
6000
6100
6200


6000
6100
6200
6300
6400
6500
Perf. Interval with 2 JSC Shots Per Foot Oriented 5½" Casing.

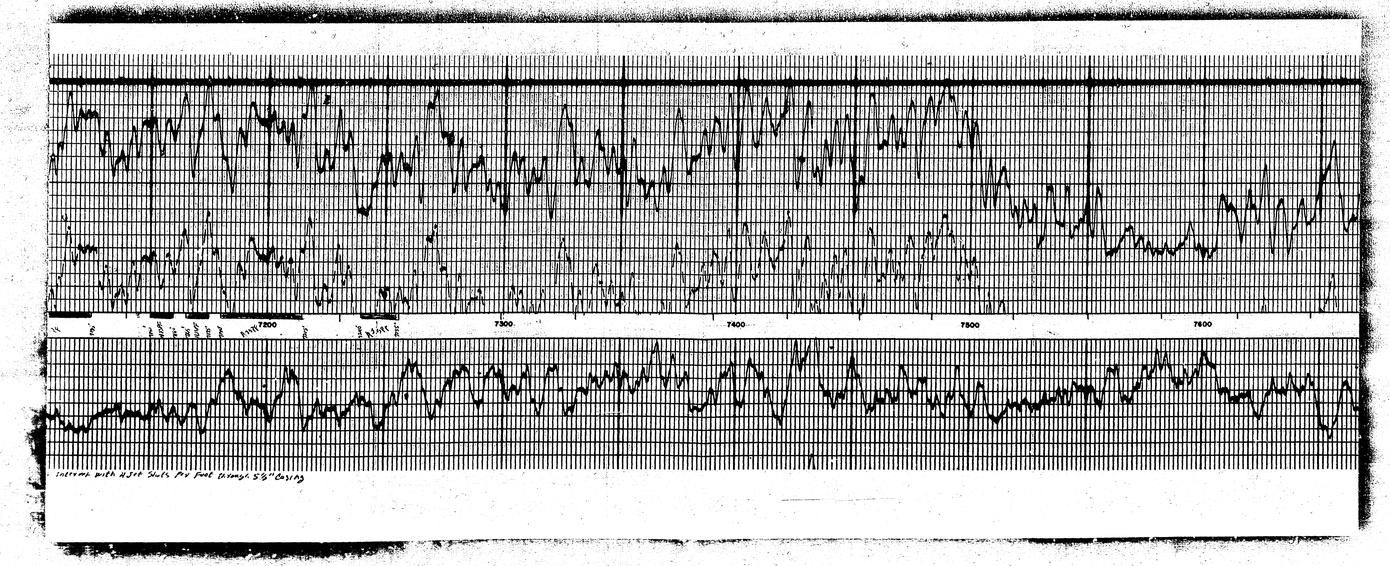


V.S.B.C.F. MICROGRAPHICS
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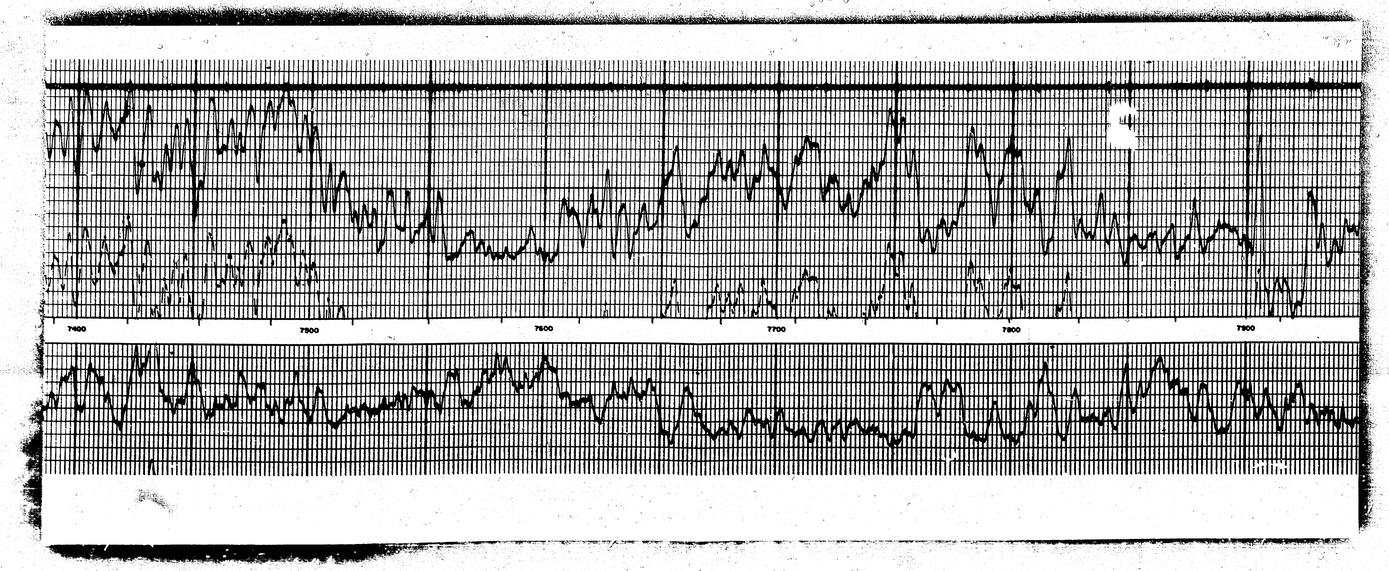

6600
6700
6800
6900
7000
7100

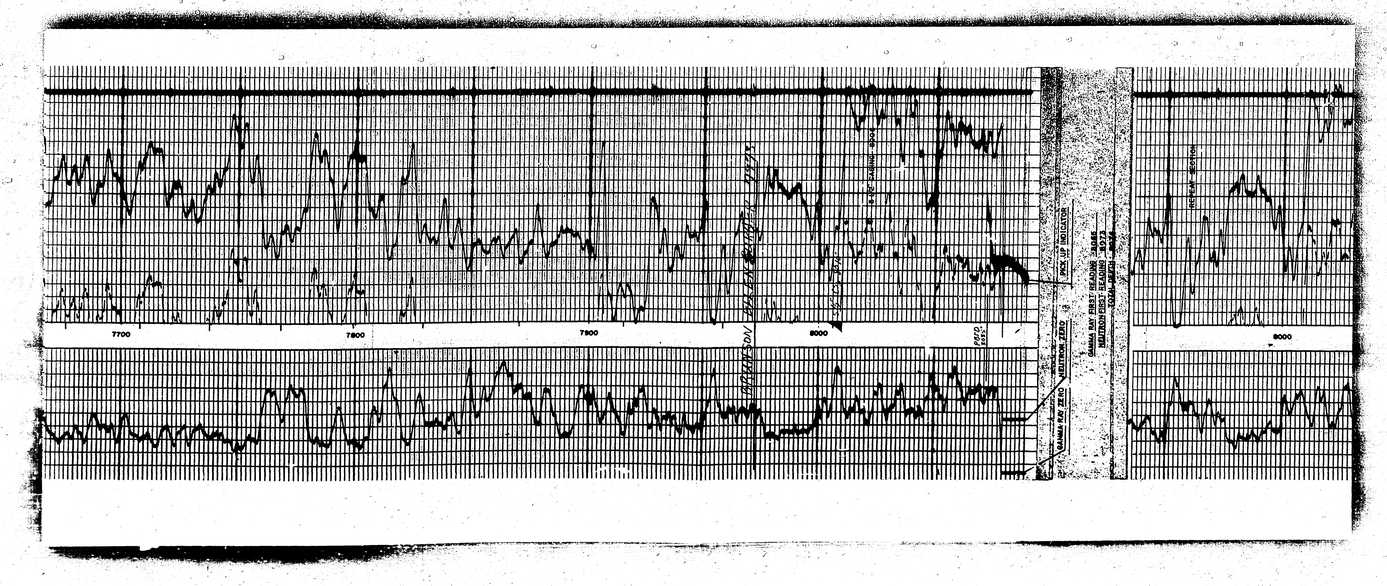


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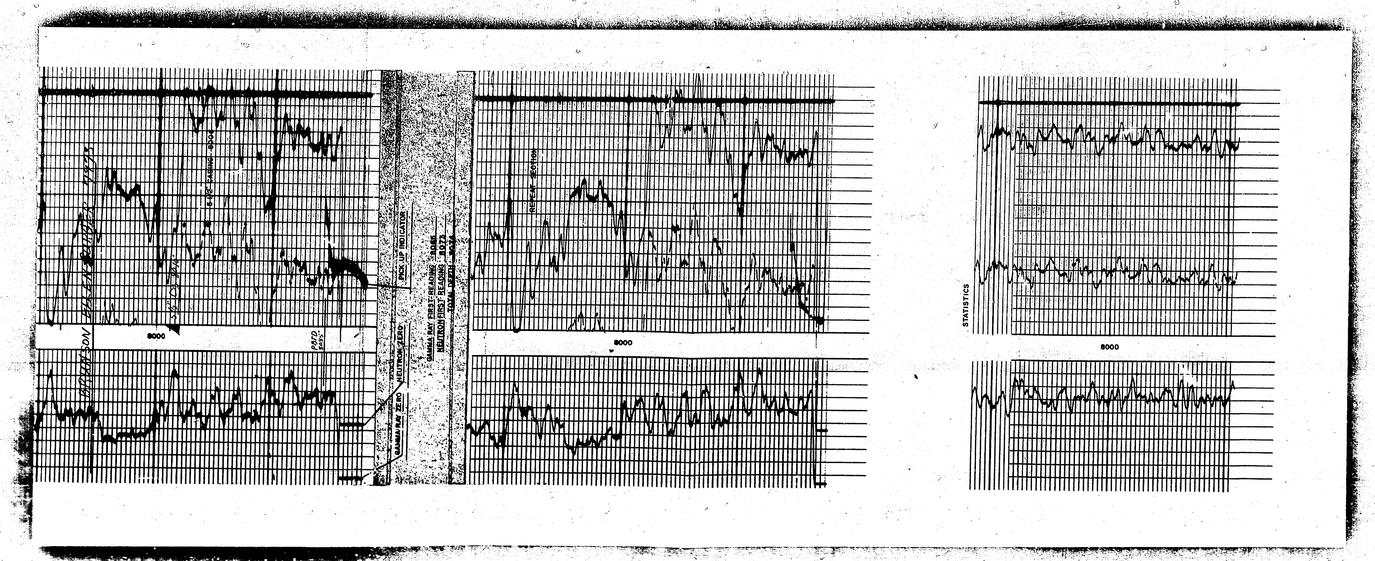


V.I.R.I.C.P. MICROGRAPHICS
NOT AVAILABLE OPT


7400
7500
7600
7700
7800
7900



V.S.R.C.P. MICROFILMED
BEST AVAILABLE COPY



V.I.R.G.I.N. MICROGRAPHICS
BEST AVAILABLE COPY

U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY