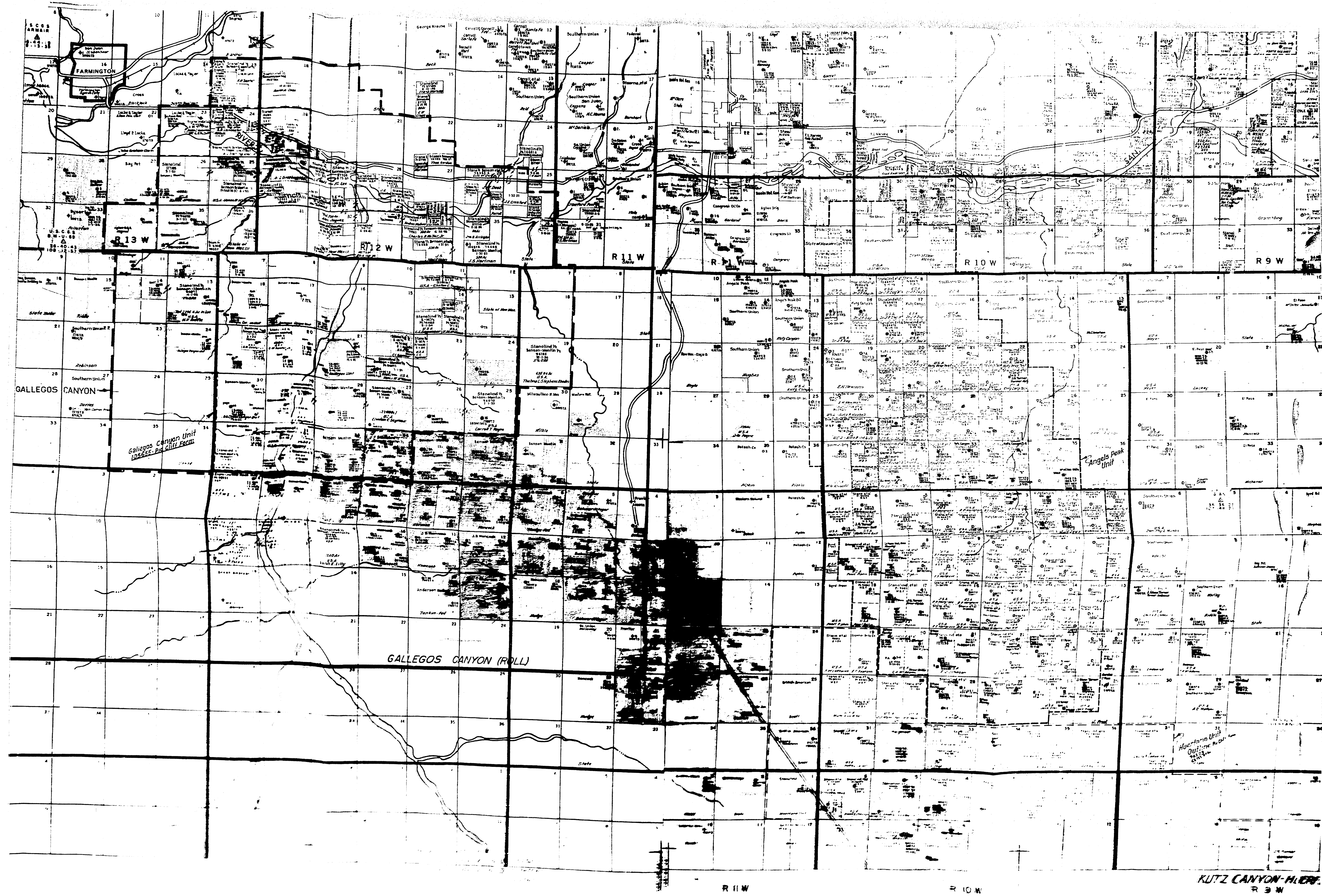
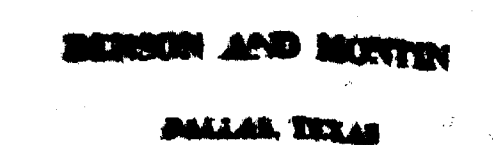


Case No.

377

Large Exhibits





The samples used in the above tests were prepared, after extraction, by evacuating and then saturating with a brine of approximately 68,000 parts

Keywords: child sexual abuse; disclosure; social support

Table 1
Water Saturations at 30 PSI
Single Point Capillary Pressure Tests
Gallegos Canyon Units, West Kutz Field

Sample No.	Well Unit No.	Depth, Feet	Permeability, Millidarcys	Water Saturation at 30 PSI, % Pore Space
1	2	1348.0	1.8	69.0
2	2	1350.0	4.3	55.5
3	2	1354.0	8.7	38.5
4	2	1440.0	1.1	65.0
5	2	1445.0	5.1	50.3
6	4	1604.5	2.8	70.0
7	5	1395.5	11	44.4
8	5	1403.5	10	53.8
9	5	1435.5	2.5	60.1
10	7	1406.5	21	49.2
11	7	1408.0	5.9	55.9
12	7	1414.5	1.3	80.5
13	7	1411.5	1.3	88.7
14	7	1405.5	11	47.8
15	7	1475.5	6.1	55.6
Average			7.7	59.0

Table 2
Connate Water Saturation vs. Permeability
Gallegos Canyon Units, West Kutz Field

Permeability, Millidarcys	Connate Water Saturation, Per Cent Pore Space
1	71.8
2	64.5
3	60.4
4	57.6
5	53.8
6	51.0
7	49.1
8	45.7
9	43.3
10	40.4
11	38.7

Table 3
Resistivity Measurements
Gallegos Canyon Units, West Kutz Field

Sample No.	Permeability, Per Cent	Formation Resistivity Factor, R_0/R_w	Resistivity Ratio* at Connate Water, R_0/R_s
1	15.9	30.3	0.496
2	17.3	31.2	.378
3	15.1	16.0	.245
4	17.8	28.6	.303
5	17.5	21.5	.340
6	16.1	25.0	.460
7	21.1	18.4	.208
8	19.1	18.6	.345
9	18.3	20.6	-
10	21.2	17.3	-
11	18.8	19.1	-
12	15.3	24.7	-
13	16.1	29.6	-
14	17.7	22.0	-
15	17.6	21.5	-
Average	17.7	23.0	-

*Best fit of data is to equation $R_0/R_s = S^{-1.95}$
where R_0 = Resistivity at 100 % water saturation
 R_s = Resistivity at connate water saturation
 S = Connate water saturation (as fraction of pore space)

Table 4
Formation Resistivity Factor vs. Permeability
Gallegos Canyon Units, West Kutz Field

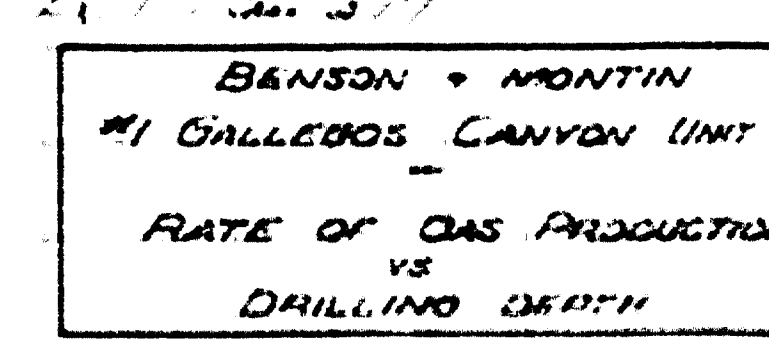
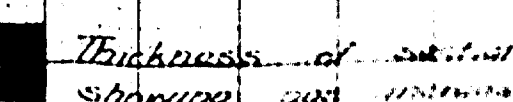
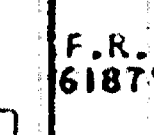
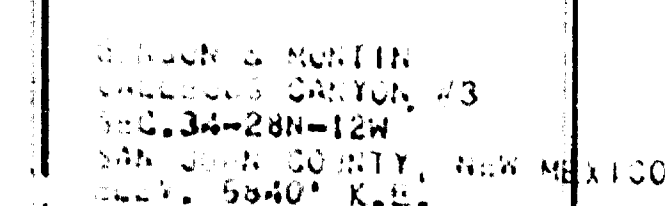
Permeability, Millidarcys	Formation Resistivity Factor, R_0/R_w
1	30.3
2	31.2
3	16.0
4	28.6
5	21.5
6	25.0
7	18.4
8	18.6
9	20.6
10	17.3
11	19.1
12	24.7
13	29.6
14	22.0
15	21.5

Table 5
Connate Water Saturation vs. Permeability
Gallegos Canyon Units, West Kutz Field

Permeability, Millidarcys	Connate Water Saturation, Per Cent Pore Space
1	71.8
2	64.5
3	60.4
4	57.6
5	53.8
6	51.0
7	49.1
8	45.7
9	43.3
10	40.4
11	38.7

Table 6
Resistivity Measurements
Gallegos Canyon Units, West Kutz Field

Sample No.	Permeability, Per Cent	Formation Resistivity Factor, R_0/R_w	Resistivity Ratio* at Connate Water, R_0/R_s
1	15.9	30.3	0.496
2	17.3	31.2	.378
3	15.1	16.0	.245
4	17.8	28.6	.303
5	17.5	21.5	.340
6	16.1	25.0	.460
7	21.1	18.4	.208
8	19.1	18.6	.345
9	18.3	20.6	-
10	21.2	17.3	-
11	18.8	19.1	-
12	15.3	24.7	-
13	16.1	29.6	-
14	17.7	22.0	-
15	17.6	21.5	-
Average	17.7	23.0	-

[illegible]

Cont 377 -
 Stationed, Check also
 presented by
 Brookham Oil Co
 at O.C.C. Hearing
 9-17-52

Brookham Oil Co
 Cont 377
 9-17-52

EXHIBIT I
 SUMMARY (See attached tabulations)
 IMPROVED STUDY WEST KANSAS CANYON FERTILIZED OLITE POOL
 MAY 1, 1952 TO OCTOBER 31, 1952 AND JANUARY 1, 1953 TO MAY 31, 1953
 (The figures for the Gallinas Canyon Unit for the months of November
 and December 1952 are listed but remain unsequenced in the summaries.)

1. EXPLANATION OF COLUMN HEADINGS
 COLUMN A - is the month in which the production took place.
 COLUMN B - is the number of wells producing during that month.
 There is no guarantee that the wells were producing during the entire month.
 COLUMN C - Average production per well is computed by taking the total production and dividing it by the number of wells shown in Column B.
 COLUMN D - Average production per acre is Column C* (Average Production Per Well) divided by the number of acres in the spacing unit, for instance, for the Gallinas Canyon Unit it is Column C* divided by 350 acres. For the area outside, it is Column C* divided by 160 acres.
 COLUMN E - is the total production respectively for the Gallinas Canyon Unit and for the total area outside the unit as received from the statistical reports named.
 SUPPLEMENTARY - on the bottom of each sheet and for the whole pool are computed in the same manner as the columns just mentioned.

2. TOTAL PRODUCTION

Year	Gallinas Canyon Unit	North Half of Pool	South Half of Pool
1952 (May thru October)	430,035 MCF		2,921,723 MCF
1953 (January thru May)	1,112,615 MCF		2,209,266 MCF

3. AVERAGE NUMBER OF PRODUCING WELLS PER MONTH

Year	North Half of Pool	South Half of Pool
1952 (May thru October)	1.67	72.67
1953 (January thru May)	16.2	85.86

4. NUMBER OF ACRES PER WELL OF PRODUCTION AREA

Year	North Half of Pool	South Half of Pool
May 31, 1952	7669	288
December 31, 1952	2555	226
April 30, 1953	1100*	270

* (Assuming that the drainage area of each of the 21 wells in the unit is 520 acres, the total acreage drained is 7,177 acres out of a total of 83,000.)

EXHIBIT II - TABULATION SHOWING PRODUCTION

- (a) To date the production from the South Half of the West Kansas Canyon Pool is more than three times the production from the North Half of the Pool (Gallinas Canyon Unit) from December through June 1953.
- (b) There are approximately four and a half times as many wells in the South Half of the West Kansas Canyon Pool as there are in the North Half (Gallinas Canyon Unit) June 30, 1953.
- (c) The number of acres per producing well is approximately 200 acres per well in the South Half of the Pool and 1100 acres in the North Half of the Pool (Gallinas Canyon Unit) June 30, 1953.

WELL	DATE	PROD. (MCF)	WELLS	ACRES	ACRES PER WELL
270000	1952	24,904.91	12	12	12
270002	1952	07,125.11	12	12	12
270003	1952	07,125.11	12	12	12
270004	1952	07,125.11	12	12	12
270005	1952	07,125.11	12	12	12
270006	1952	07,125.11	12	12	12
270007	1952	07,125.11	12	12	12
270008	1952	07,125.11	12	12	12
270009	1952	07,125.11	12	12	12
270010	1952	07,125.11	12	12	12
270011	1952	07,125.11	12	12	12
270012	1952	07,125.11	12	12	12
270013	1952	07,125.11	12	12	12
270014	1952	07,125.11	12	12	12
270015	1952	07,125.11	12	12	12
270016	1952	07,125.11	12	12	12
270017	1952	07,125.11	12	12	12
270018	1952	07,125.11	12	12	12
270019	1952	07,125.11	12	12	12
270020	1952	07,125.11	12	12	12
270021	1952	07,125.11	12	12	12
270022	1952	07,125.11	12	12	12
270023	1952	07,125.11	12	12	12
270024	1952	07,125.11	12	12	12
270025	1952	07,125.11	12	12	12
270026	1952	07,125.11	12	12	12
270027	1952	07,125.11	12	12	12
270028	1952	07,125.11	12	12	12
270029	1952	07,125.11	12	12	12
270030	1952	07,125.11	12	12	12
270031	1952	07,125.11	12	12	12
270032	1952	07,125.11	12	12	12
270033	1952	07,125.11	12	12	12
270034	1952	07,125.11	12	12	12
270035	1952	07,125.11	12	12	12
270036	1952	07,125.11	12	12	12
270037	1952	07,125.11	12	12	12
270038	1952	07,125.11	12	12	12
270039	1952	07,125.11	12	12	12
270040	1952	07,125.11	12	12	12
270041	1952	07,125.11	12	12	12
270042	1952	07,125.11	12	12	12
270043	1952	07,125.11	12	12	12
270044	1952	07,125.11	12	12	12
270045	1952	07,125.11	12	12	12
270046	1952	07,125.11	12	12	12
270047	1952	07,125.11	12	12	12
270048	1952	07,125.11	12	12	12
270049	1952	07,125.11	12	12	12
270050	1952	07,125.11	12	12	12
270051	1952	07,125.11	12	12	12
270052	1952	07,125.11	12	12	12
270053	1952	07,125.11	12	12	12
270054	1952	07,125.11	12	12	12
270055	1952	07,125.11	12	12	12
270056	1952	07,125.11	12	12	12
270057	1952	07,125.11	12	12	12
270058	1952	07,125.11	12	12	12
270059	1952	07,125.11	12	12	12
270060	1952	07,125.11	12	12	12
270061	1952	07,125.11	12	12	12
270062	1952	07,125.11	12	12	12
270063	1952	07,125.11	12	12	12
270064	1952	07,125.11	12	12	12
270065	1952	07,125.11	12	12	12
270066	1952	07,125.11	12	12	12
270067	1952	07,125.11	12	12	12
270068	1952	07,125.11	12	12	12
270069	1952	07,125.11	12	12	12
270070	1952	07,125.11	12	12	12
270071	1952	07,125.11	12	12	12
270072	1952	07,125.11	12	12	12
270073	1952	07,125.11	12	12	12
270074	1952	07,125.11	12	12	12
270075	1952	07,125.11	12	12	12
270076	1952	07,125.11	12	12	12
270077	1952	07,125.11	12	12	12
270078	1952	07,125.11	12	12	12
270079	1952	07,125.11	12	12	12
270080	1952	07,125.11	12	12	12
270081	1952	07,125.11	12	12	12
270082	1952	07,125.11	12	12	12
270083	1952	07,125.11	12	12	12
270084	1952	07,125.11	12	12	12
270085	1952	07,125.11	12	12	12
270086	1952	07,125.11	12	12	12
270087	1952	07,125.11	12	12	12
270088	1952	07,125.11	12	12	12
270089	1952	07,125.11	12	12	12
270090	1952	07,125.11	12	12	12
270091	1952	07,125.11	12	12	12
270092	1952	07,125.11	12	12	12
270093	1952	07,125.11	12	12	12
270094	1952	07,125.11	12	12	12
270095	1952	07,125.11	12	12	12
270096	1952	07,125.11	12	12	12
270097	1952	07,125.11	12	12	12
270098	1952	07,125.11	12	12	12
270099	1952	07,125.11	12	12	12
270100	1952	07,125.11	12	12	12

ACTUAL PRODUCTION DATA - 12-31-52 DATA 12-31-52 DATA - 12-31-52 DATA			WEST TEXAS COMPANY - PICTURED DATA FOR ALL PRODUCTION ACCOUNTS - 12-31-52 DATA ON PRODUCTION - 12-31-52 DATA			INFORMATION - 12-31-52 DATA 12-31-52 DATA - 12-31-52 DATA		
WELL	DATE	PROD. (MCF)	WELLS	ACRES	ACRES PER WELL	WELL	DATE	PROD. (MCF)
270000	12-31-52	24,904.91	12	12	12	270001	12-31-52	24,904.91
270002	12-31-52	07,125.11	12	12	12	270003	12-31-52	07,125.11
270004	12-31-52	07,125.11	12	12	12	270005	12-31-52	07,125.11
270006	12-31-52	07,125.11	12	12	12	270007	12-31-52	07,125.11
270008	12-31-52	07,125.11	12	12	12	270009	12-31-52	07,125.11
270010	12-31-52	07,125.11	12	12	12	270011	12-31-52	07,125.11
270012	12-31-52	07,125.11	12	12	12	270013	12-31-52	07,125.11
270014	12-31-52	07,125.11	12	12	12	270015	12-31-52	07,125.11
270016	12-31-52	07,125.11	12	12	12	270017	12-31-52	07,125.11
270018	12-31-52	07,125.11	12	12	12	270019	12-31-52	07,125.11
270020	12-31-52	07,125.11	12	12	12	270021	12-31-52	07,125.11
270022	12-31-52	07,125.11	12	12	12	270023	12-31-52	07,125.11
270024	12-31-52	07,125.11	12	12	12	270025	12-31-52	07,125.11
270026	12-31-52	07,125.11	12	12	12	270027	12-31-52	07,125.11
270028	12-31-52	07,125.11	12	12	12	270029	12-31-52	07,125.11
270030	12-31-52	07,125.11	12	12	12	270031	12-31-52	07,125.11
270032	12-31-52	07,125.11	12	12	12	270033	12-31-52	07,125.11
270034	12-31-52	07,125.11	12	12	12	270035	12-31-52	07,125.11
270036	12-31-52	07,125.11	12	12	12	270037	12-31-52	07,125.11
270038	12-31-52	07,125.11	12	12	12	270039	12-31-52	07,125.11
270040	12-31-52	07,125.11	12	12	12	270041	12-31-52	07,125.11
270042	12-31-52	07,125.11	12	12	12	270043	12-31-52	07,125.11
270044	12-31-52	07,125.11	12	12	12	270045	12-31-52	07,125.11
270046	12-31-52	07,125.11	12	12	12	270047	12-31-52	07,125.11
270048	12-31-52	07,125.11	12	12	12	270049	12-31-52	07,125.11
270050	12-31-52	07,125.11	12	12	12	270051	12-31-52	07,125.11
270052	12-31-52	07,125.11	12	12	12	270053	12-31-52	07,125.11
270054	12-31-52	07,125.11	12	12	12	270055	12-31-52	07,125.11
270056	12-31-52	07,125.11	12	12	12	270057	12-31-52	07,125.11
270058	12-31-52	07,125.11	12	12	12	270059	12-31-52	07,125.11
270060	12-31-52	07,125.11	12	12	12	270061	12-31-52	07,125.11
270062	12-31-52	07,125.11	12	12	12	270063	12-31-52	07,125.11
270064	12-31-52	07,125.11	12	12	12	270065	12-31-52	07,125.11
270066	12-31-52	07,125.11	12	12	12	270067	12-31-52	07,125.11
270068	12-31-52	07,125.11	12	12	12	270069	12-31-52	07,125.11
270070	12-31-52	07,125.11	12	12	12	270071	12-31-52	07,125.11
270072	12-31-52	07,125.11	12	12	12	270073	12-31-52	07,125.11
270074	12-31-52	07,125.11	12	12	12	270075	12-31-52	07,125.11
270076	12-31-52	07,125.11	12	12	12	270077	12-31-52	07,125.11
270078	12-31-52	07,125.11	12	12	12	270079	12-31-52	07,125.11
270080	12-31-52	07,125.11	12	12	12	270081	12-31-52	07,125.11
270082	12-31-52	07,125.11	12	12	12	270083	12-31-52	07,125.11
270084	12-31-52	07,125.11	12	12	12	270085	12-31-52	07,125.11
270086	12-31-52	07,125.11	12	12	12	270087	12-31-52	07,125.11
270088	12-31-52	07,125.11	12	12	12	270089	12-31-52	07,125.11
270090	12-31-52	07,125.11	12	12	12	270091	12-31-52	07,125.11
270092	12-31-52	07,125.11	12	12	12	270093	12-31-52	07,125.11
270094	12-31-52	07,125.11	12	12	12	270095	12-31-52	07,125.11
270096	12-31-52	07,125.11	12	12	12	270097	12-31-52	07,125.11
270098	12-31-52	07,125.11	12	12	12	270099	12-31-52	07,125.11
270100	12-31-52	07,125.11	12	12	12	270101	12-31-52	07,125.11

WEST HUTZ CANYON POOL (CONT.)

INFORMATION FROM - CIVIL JURY BASIC OPERATORS COMMITTEE
MONTHLY STATISTICAL REPORT

WILLIAMS BROS. OPERATORS COMMITTEE
MONTHLY STATISTICAL REPORT

PAGE 12

DATE, TIME, WELL	5TH	10TH	FTH	4TH	APR	MAY	TOTAL PER WELL PRODUCTION MAY 10 1967	PERIOD PER WELL PRODUCTION 2ND WELL - MAY 10 1967	PERIOD PRODUCTION PER WELL
4-17-67 5:25 P	6154	503	28	950	2900	4900	990.67	604	
4-18-67 5:25 P	4205	995	47	0	4900	1492.00	1492.00	1492.00	
4-19-67 5:25 P	0	0	0	0	0	0	0	0	
4-20-67 5:25 P	2105	492	23	952	3786	746.50	746.50	392	
4-21-67 5:25 P	2105	492	23	0	3786	708.50	708.50	443	
4-22-67 5:25 P	2105	491	23	476	3336	806.50	806.50	515	
4-23-67 5:25 P	2105	492	23	1044	17801	3201.75	3201.75	2001	
TOTAL	35574	2313	4000	8055					
4-24-67 5:25 P	541	301	24	888	27400	185	185	185	
4-25-67 5:25 P	1413	1801	1101	3378	137247	302	302	302	
4-26-67 5:25 P	4675	1217	471	17560	3423.00	2133	2133	2133	
TOTAL	6852	2579	358						
PERIOD TOTAL	657425	20009	64203	721167	60403				

AVERAGE PRODUCTION - PER WELL - MAY 10 1967

AVERAGE PRODUCTION - PER WELL - MAY 10 1967

TOTAL PRODUCTION - PER WELL - MAY 10 1967

AVERAGE PRODUCTION - PER WELL - MAY 10 1967

PERIOD PRODUCTION - PER WELL - MAY 10 1967

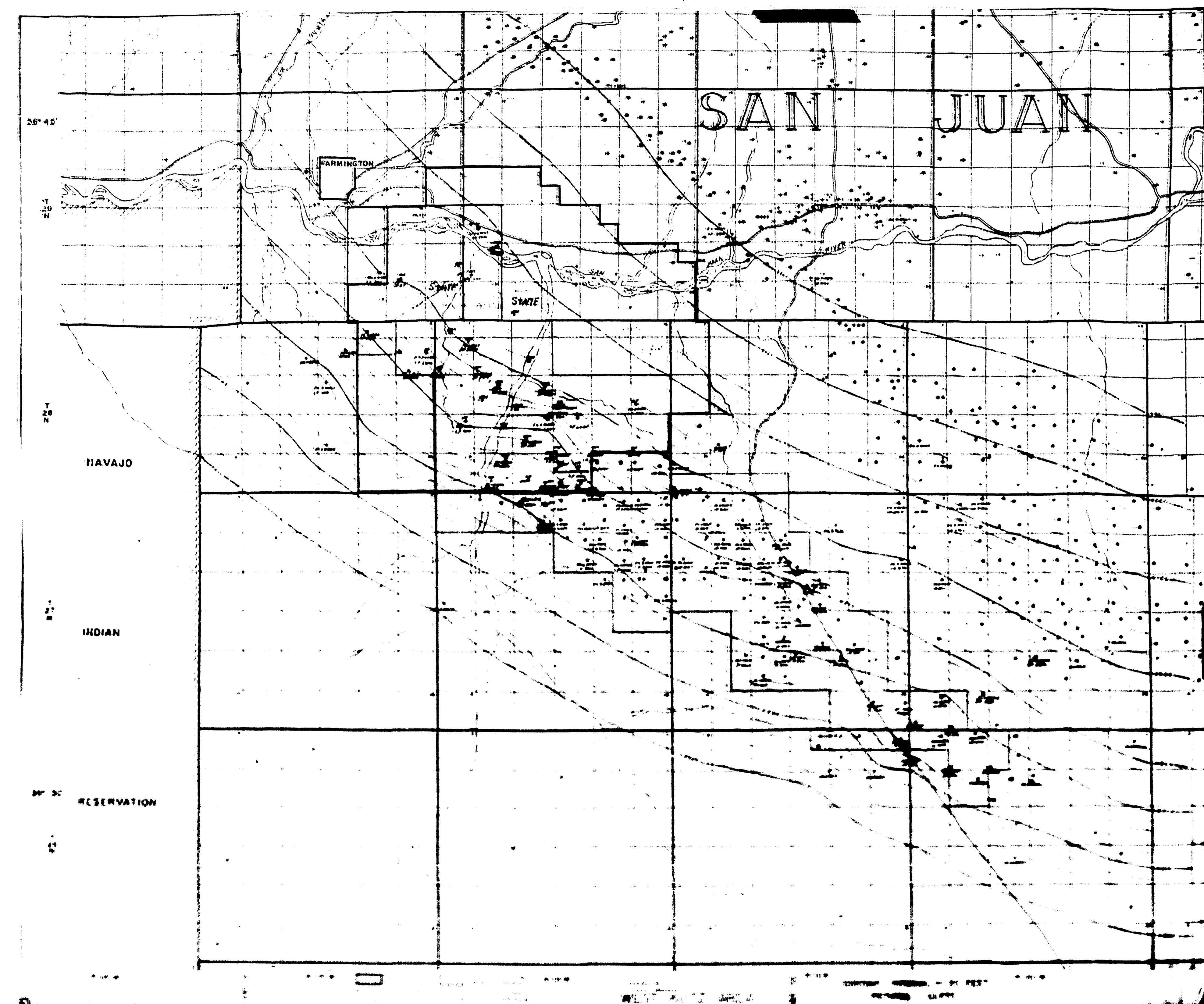
AVERAGE PRODUCTION - PER WELL - MAY 10 1967

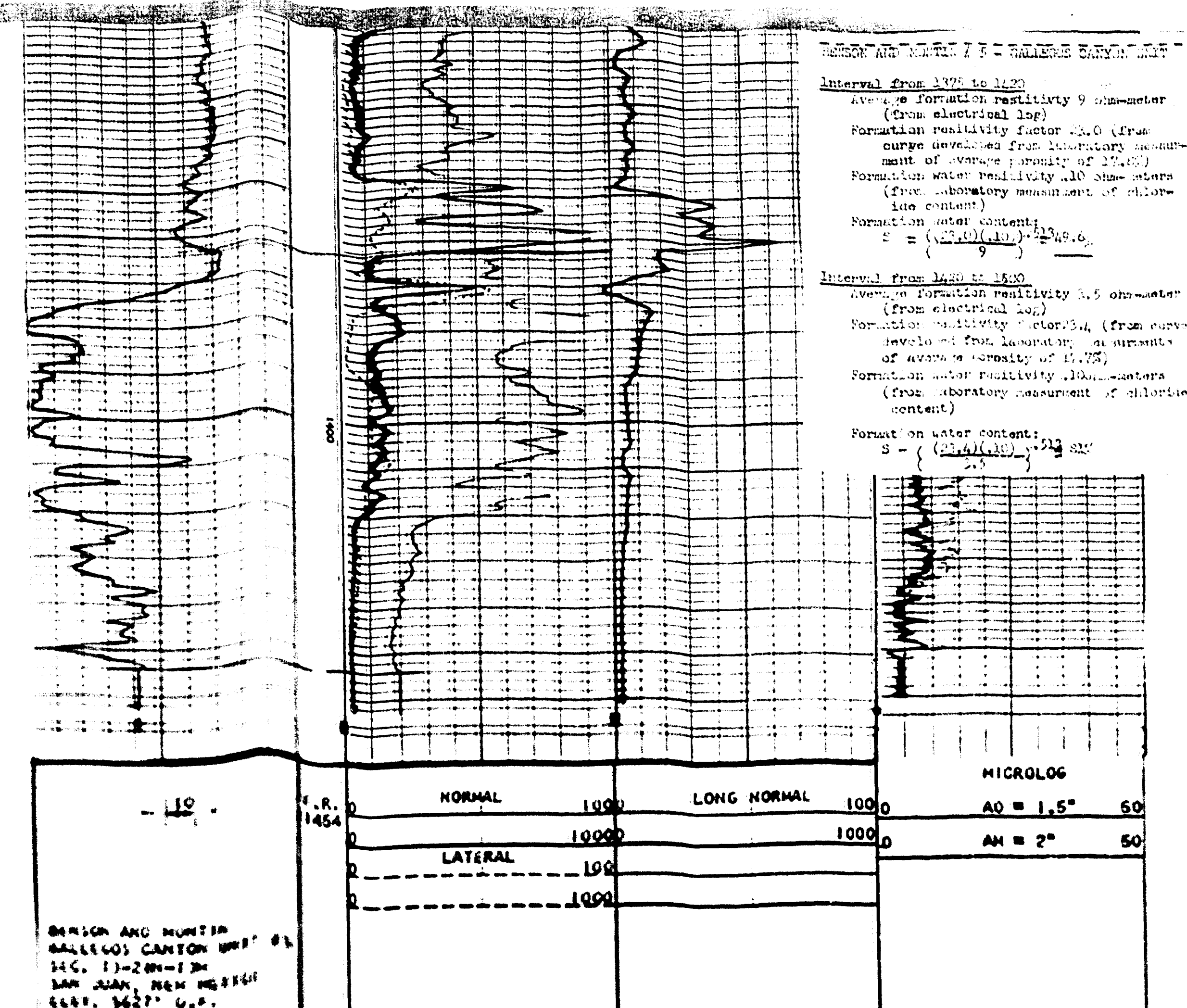
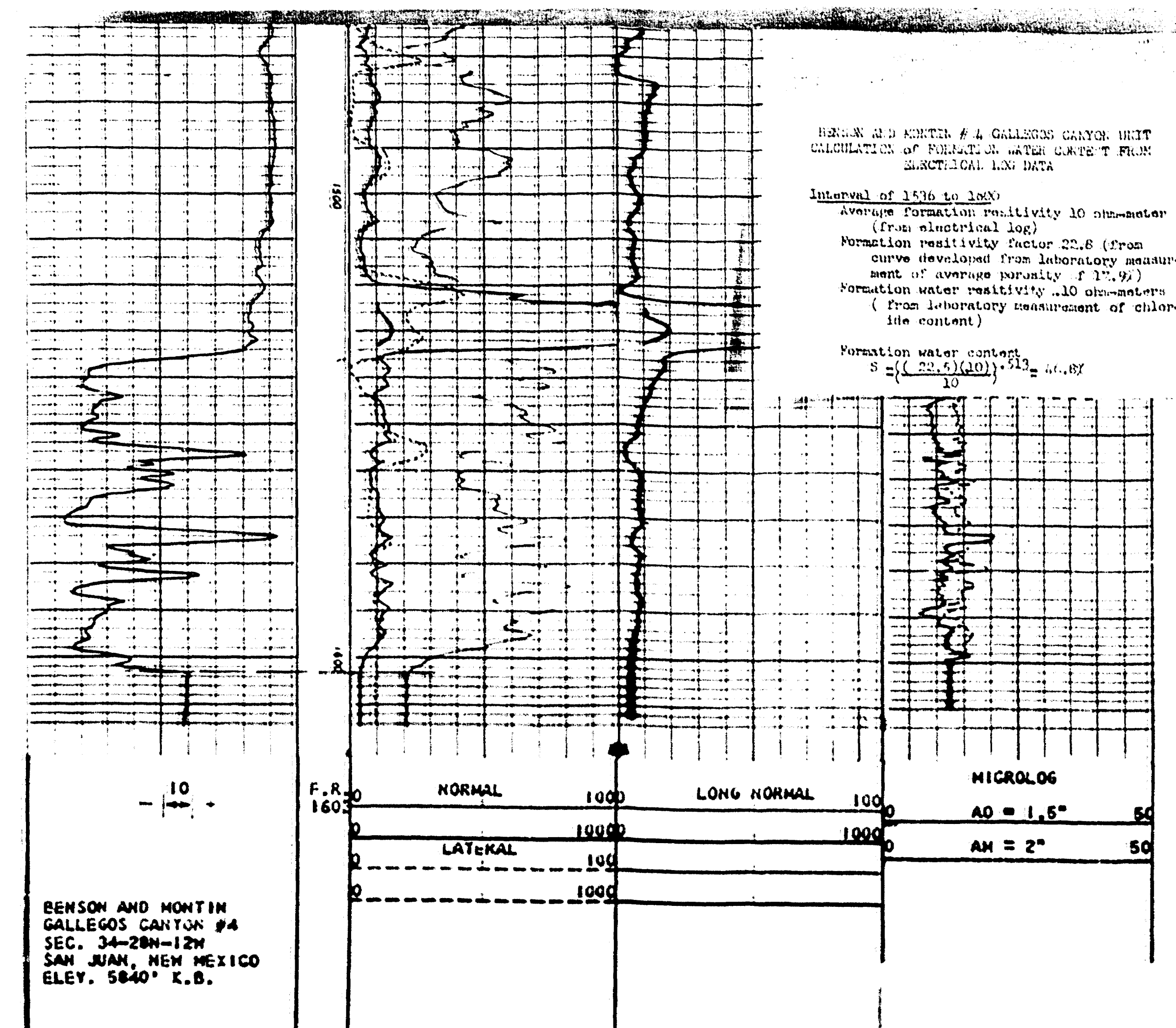
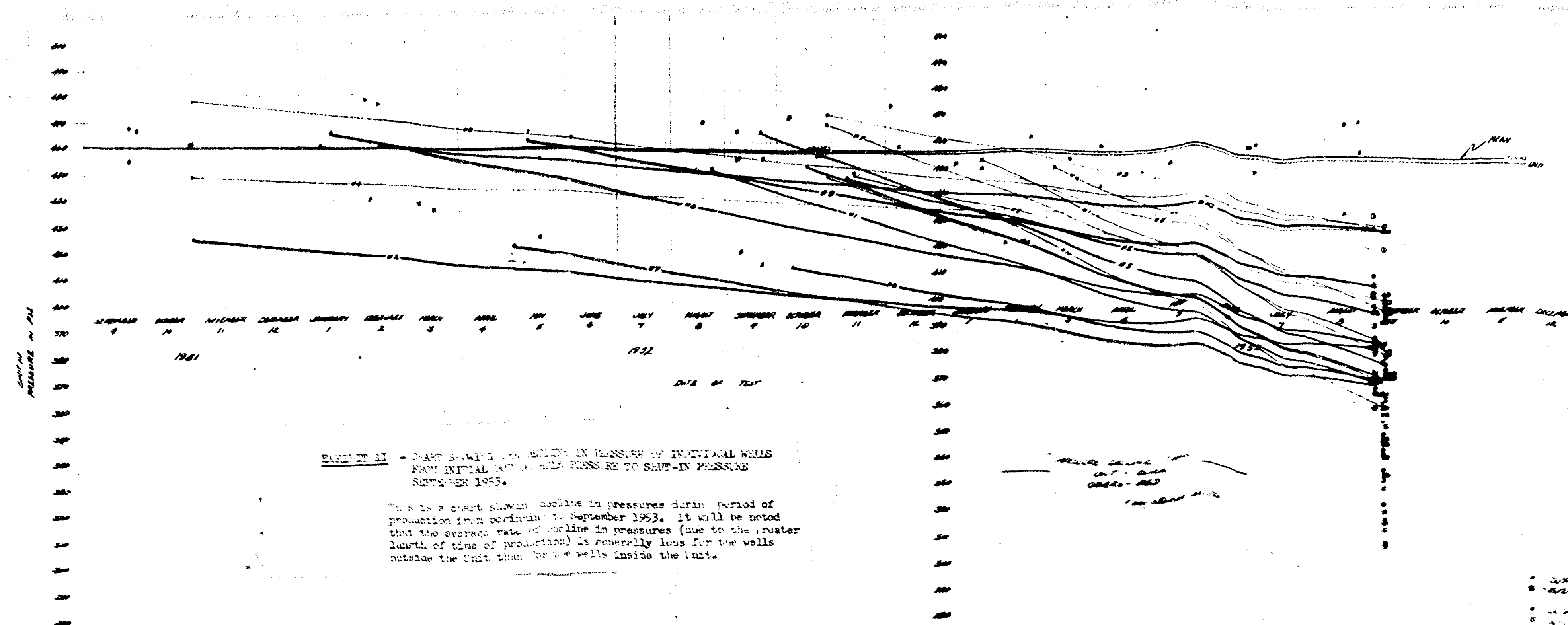
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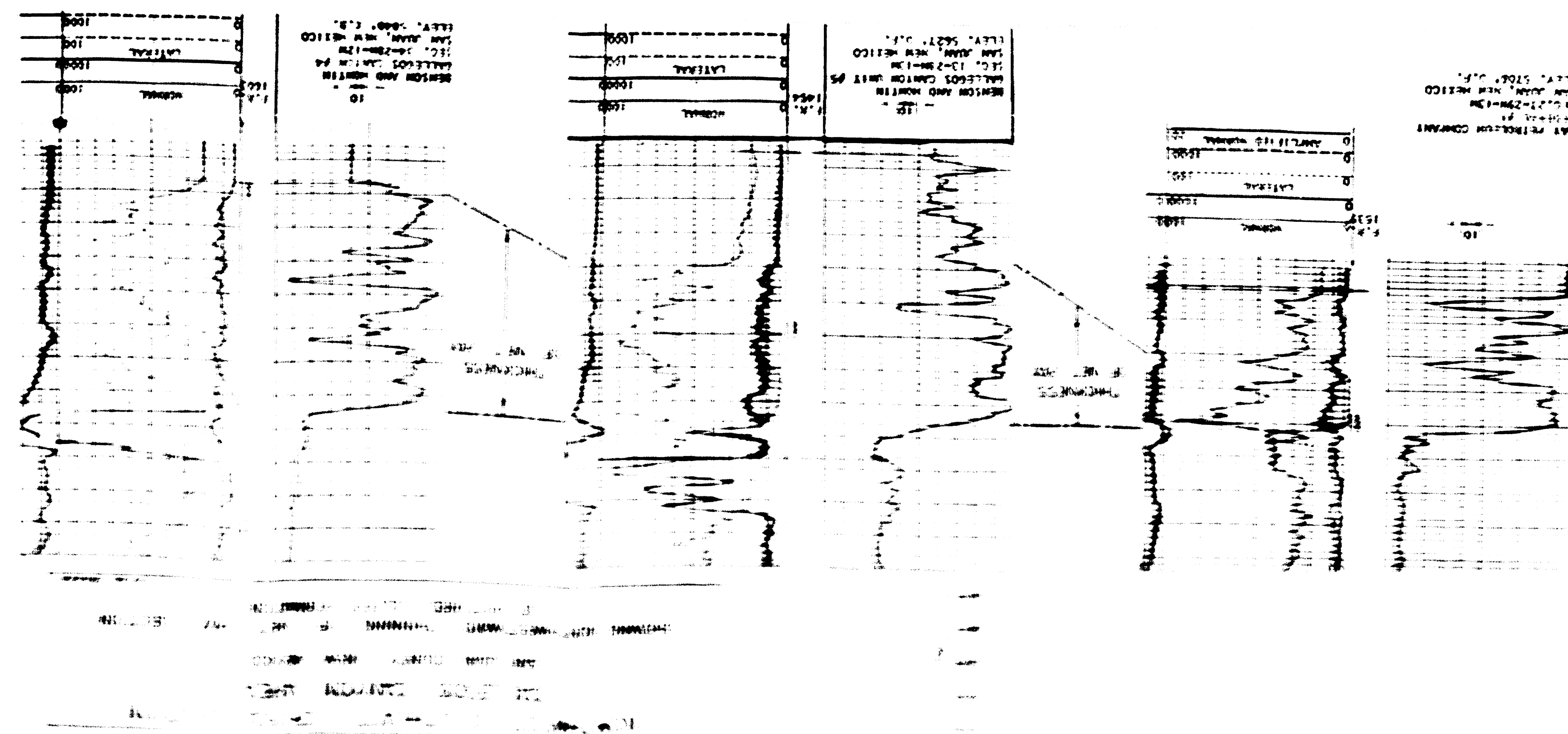
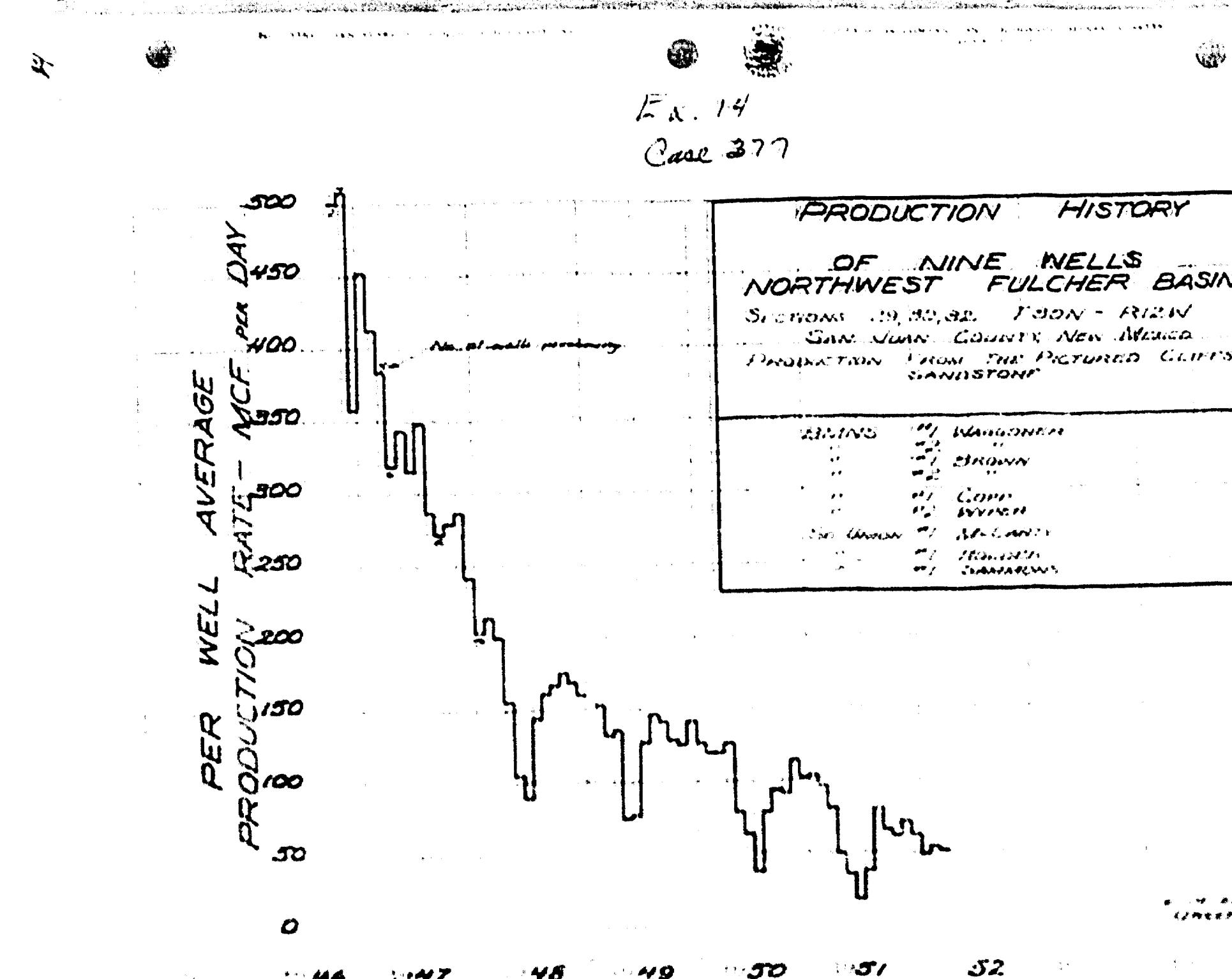
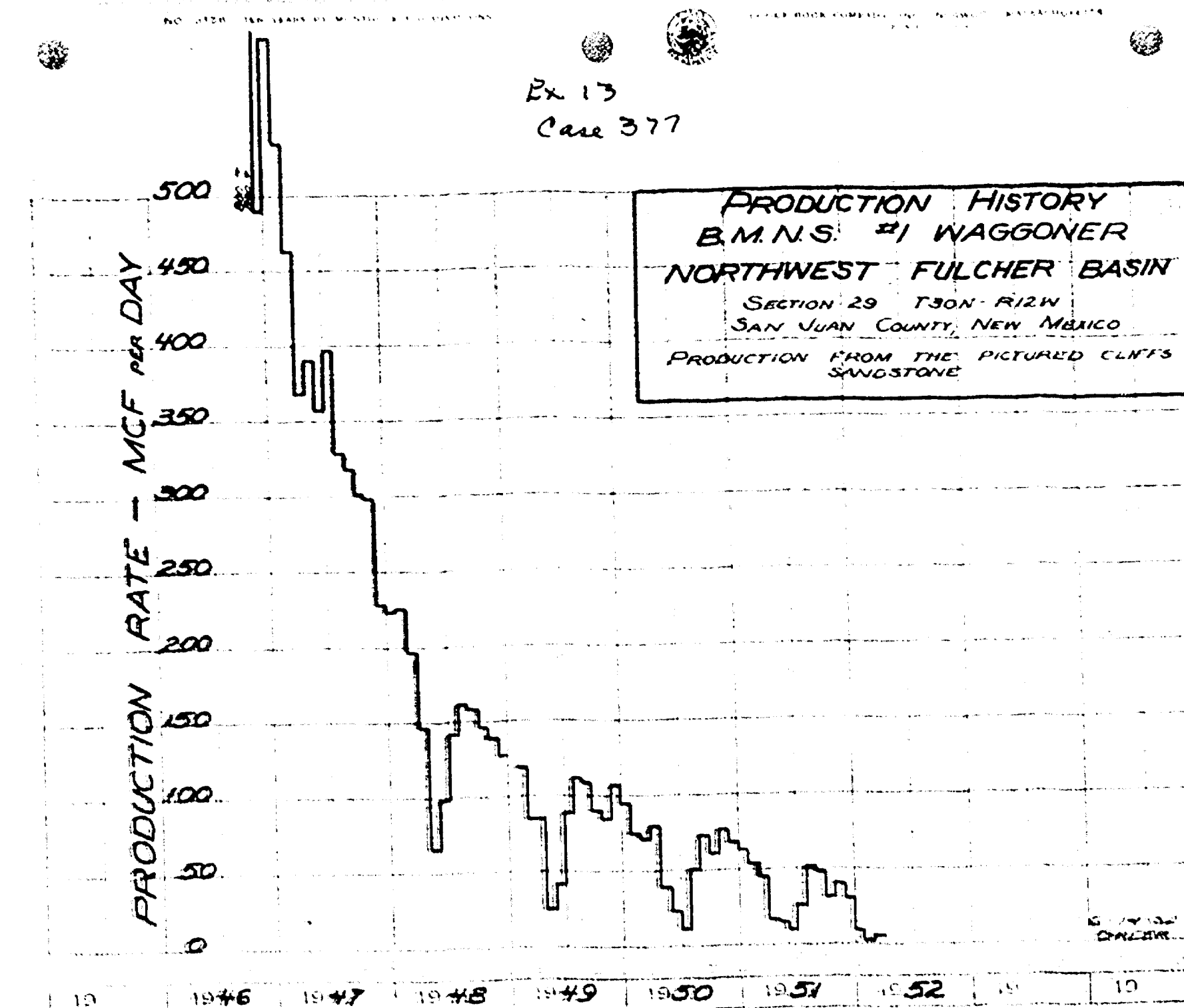
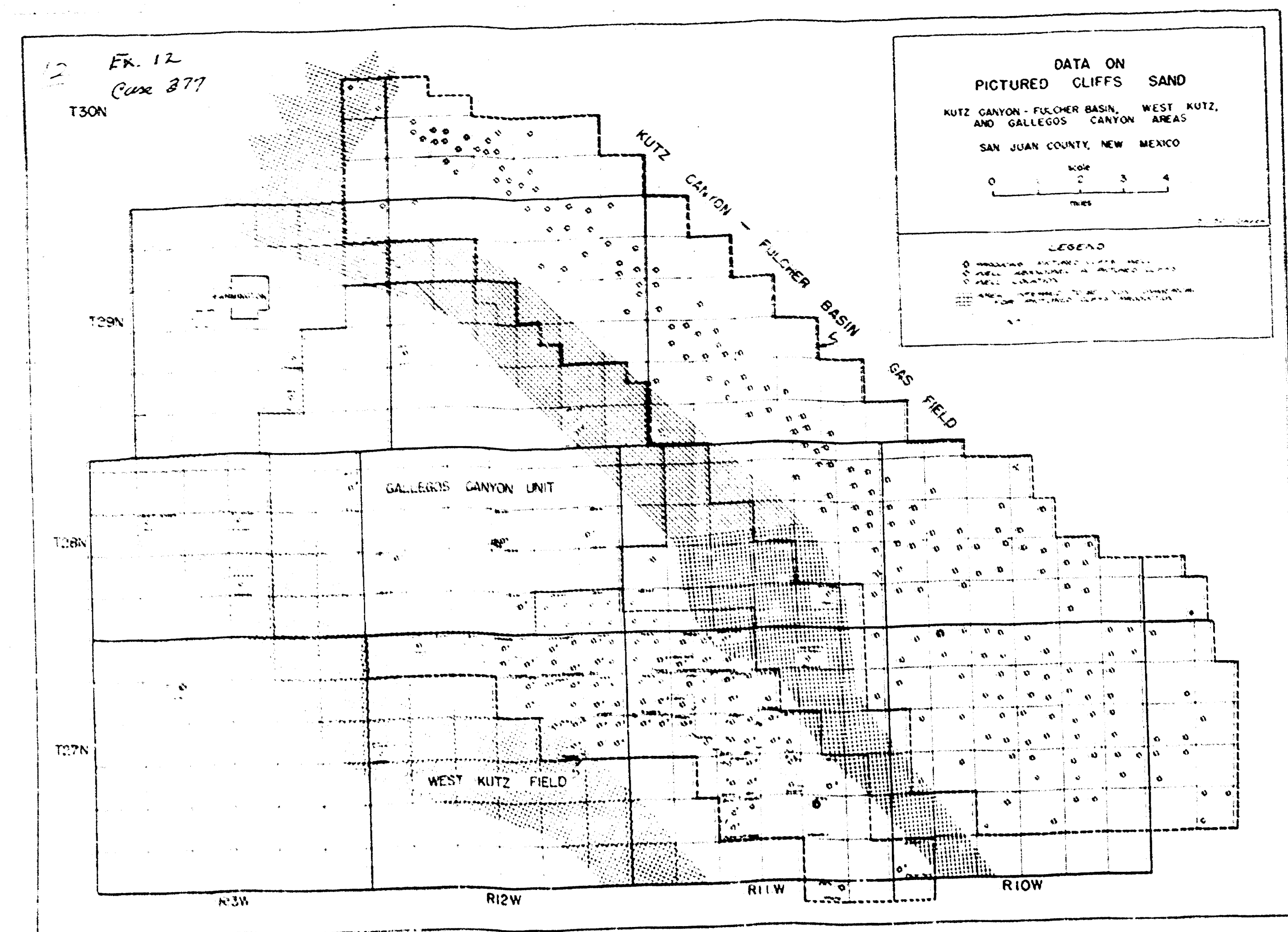
NO.	WELL	LOCATION	DATE	DEPTH	WIRE	MEASURE DOWN IN FEET	DOWN MEASURE DOWN IN FEET	DOWN MEASURE DOWN IN FEET	DOWN MEASURE DOWN IN FEET
1	CHALK-21 CHALK-21	CHALK-21	11-1-51	427#	7-12-53	81"	76.52	72"	
2	CHALK-21 CHALK-21	CHALK-21	11-1-51	369#	7-12-53	72"	72.50	71"	
3	CHALK-21 CHALK-21	CHALK-21	11-1-51	399#	7-12-53	65"	54.672	12"	
4	CHALK-21 CHALK-21	CHALK-21	1-23-52	379#	7-12-53	73"	113.22	70"	
5	CHALK-21 CHALK-21	CHALK-21	1-23-52	369#	7-12-53	76"	77.83	78"	
6	CHALK-21 CHALK-21	CHALK-21	1-23-52	399#	7-12-53	90"	170.20	135"	
7	CHALK-21 CHALK-21	CHALK-21	11-1-51	425#	7-12-53	204"	42.270	54"	
8	CHALK-21 CHALK-21	CHALK-21	1-23-52	401#	7-12-53	48"	125.32	59"	
9	CHALK-21 CHALK-21	CHALK-21	7-6-52	395#	7-12-53	58"	146.14	56"	
10	CHALK-21 CHALK-21	CHALK-21	10-29-52	385#	7-12-53	55"	134.546	163"	
11	CHALK-21 CHALK-21	CHALK-21	1-24-53	358#	7-12-53	75"	125.402	41"	

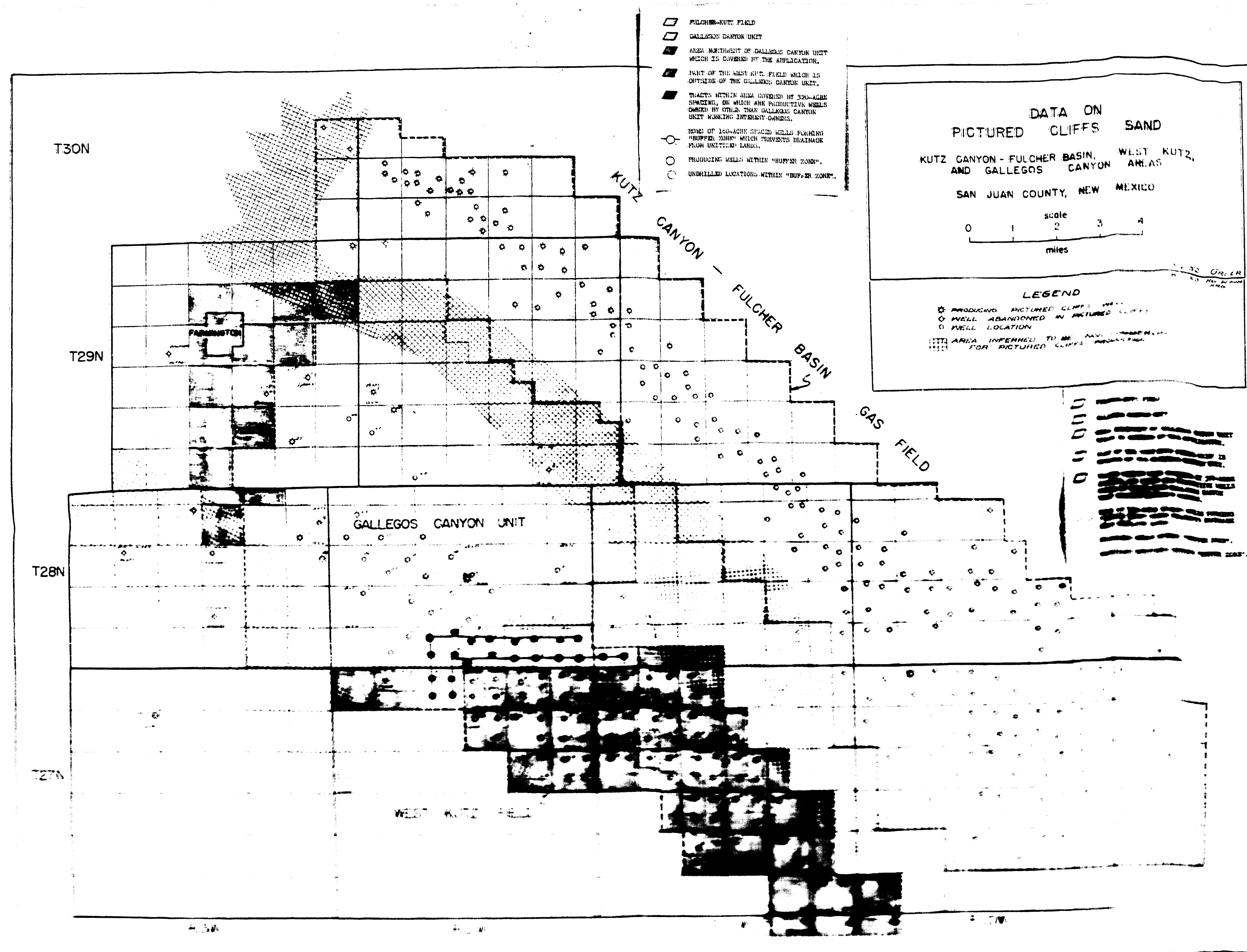
Wissen um - Körper Arbeit

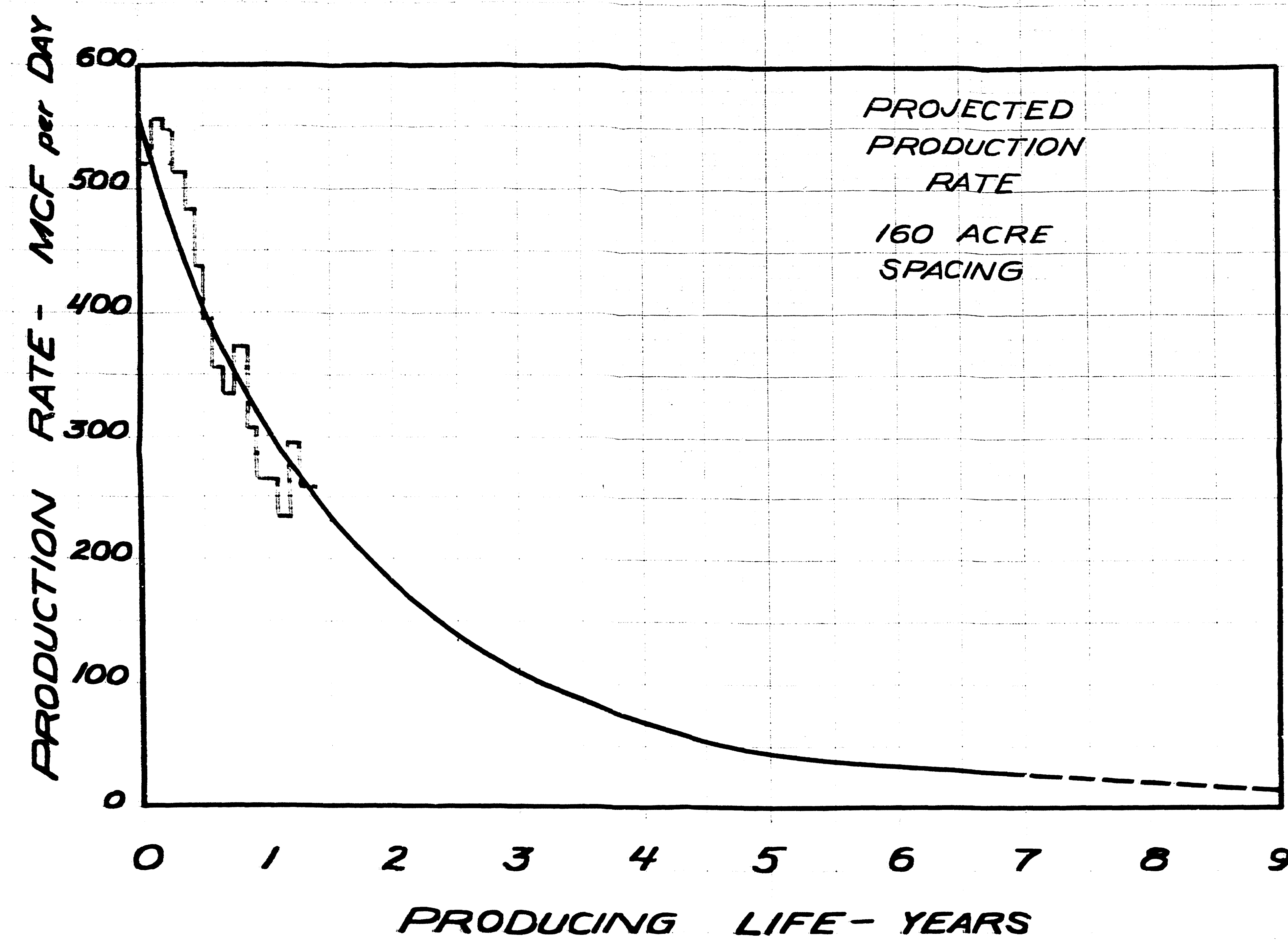
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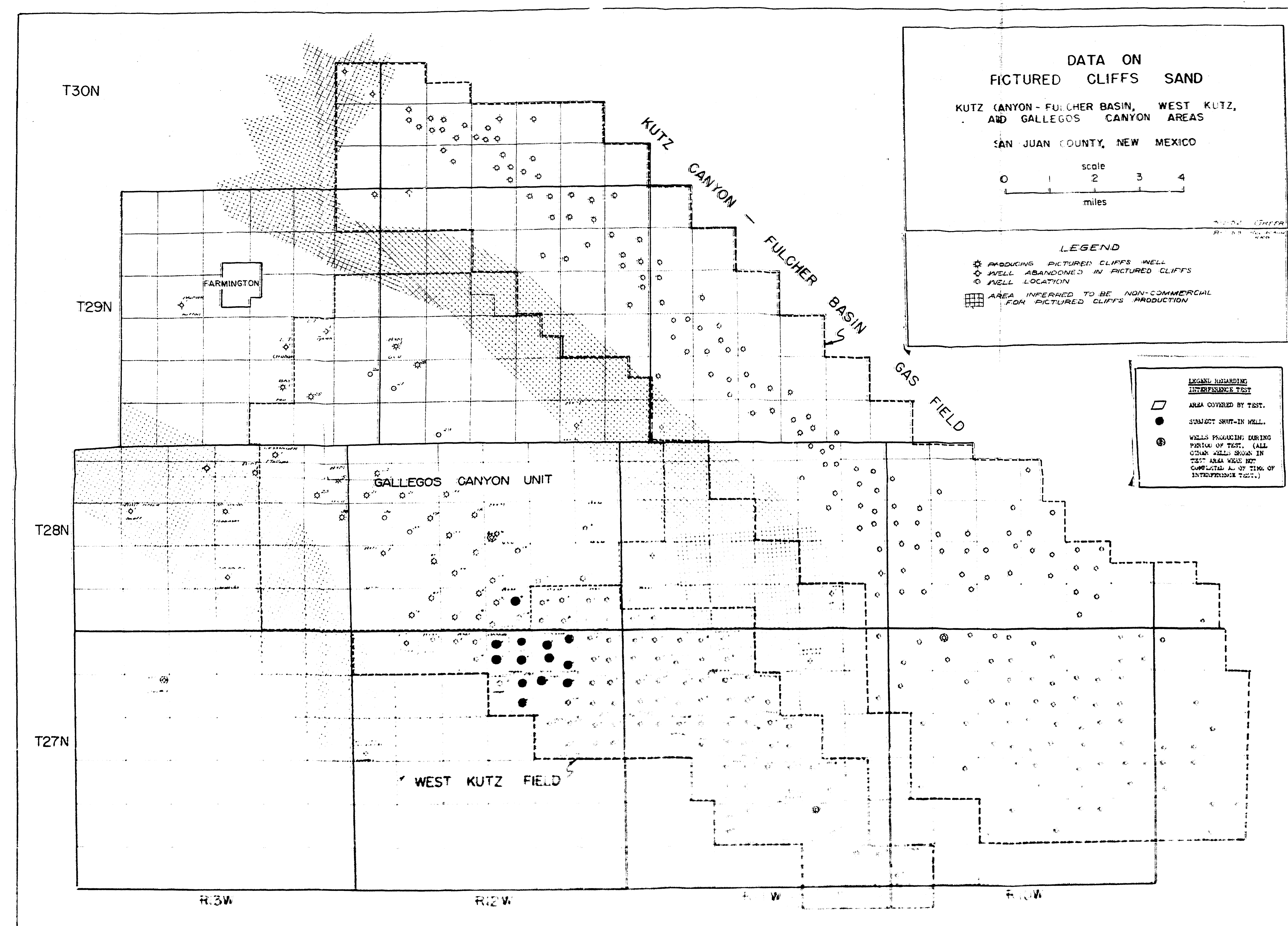


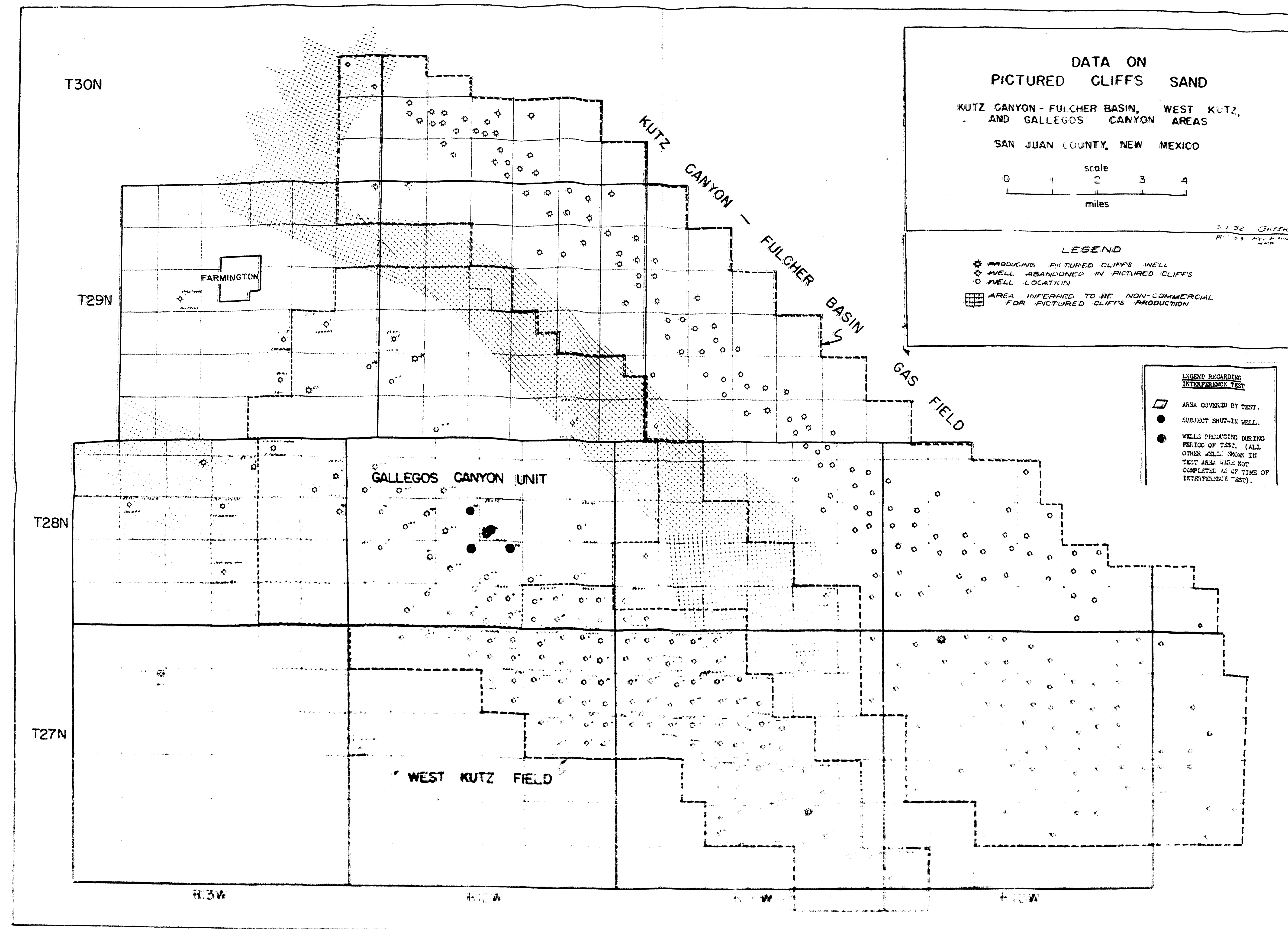


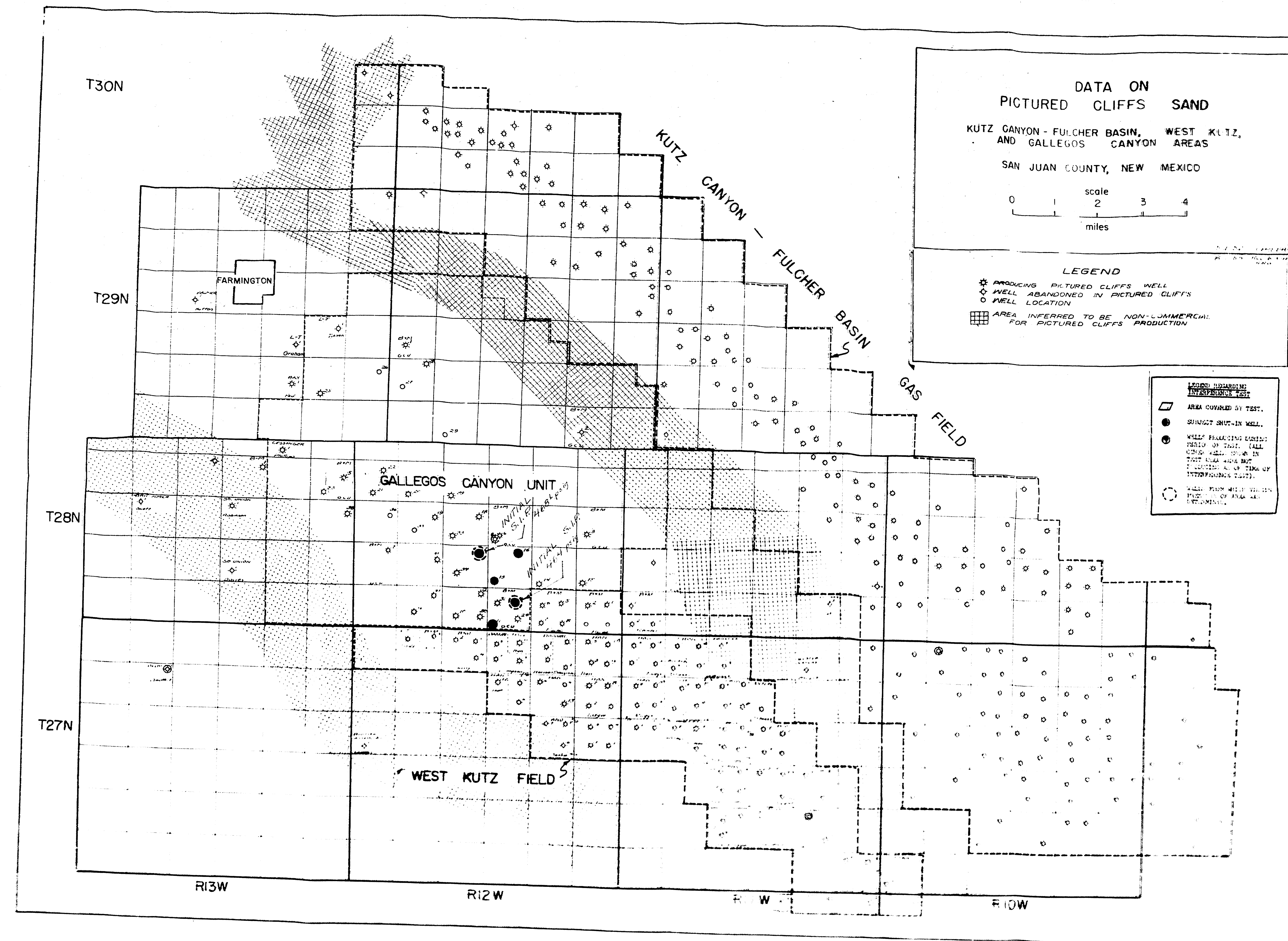


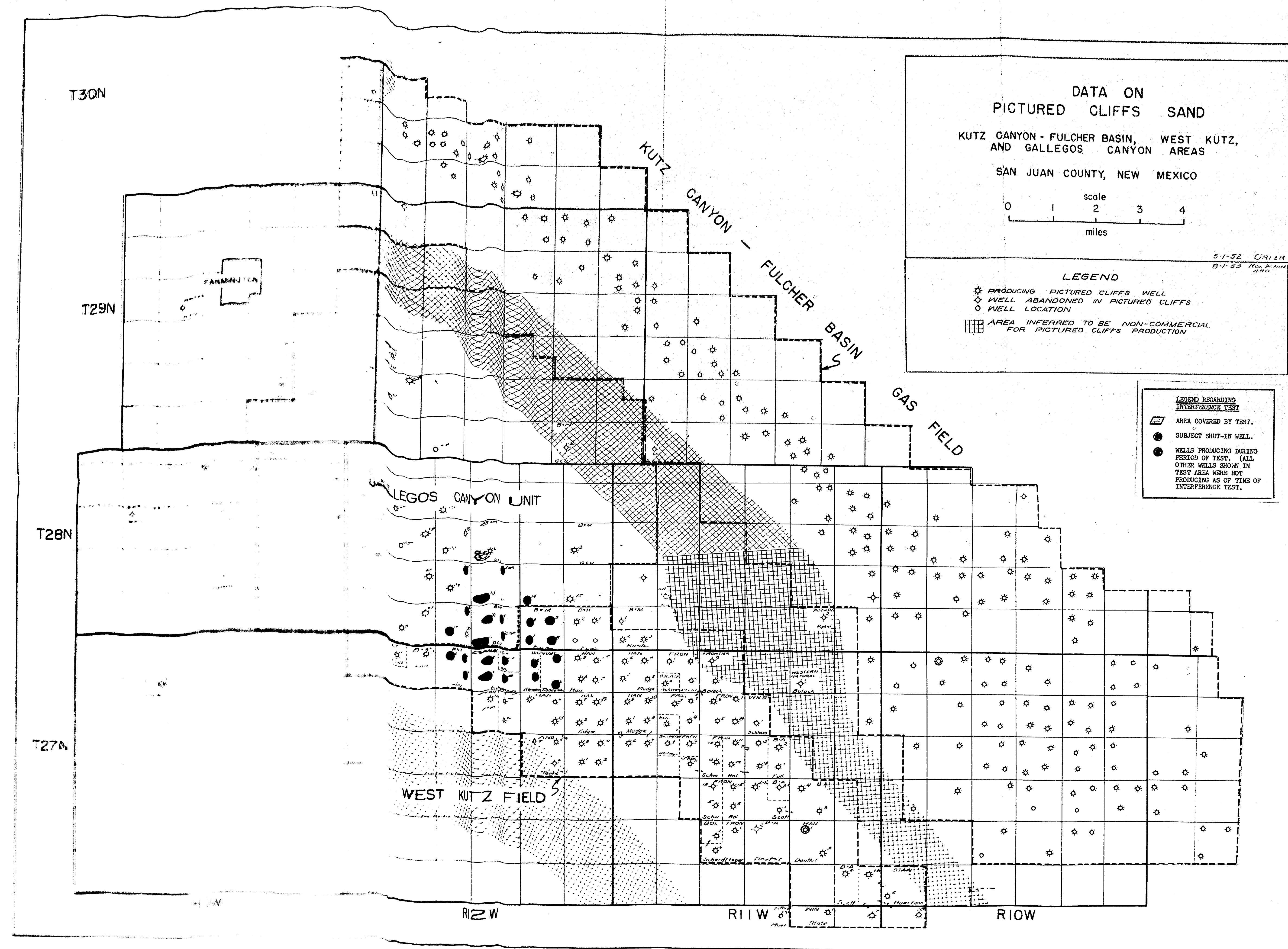


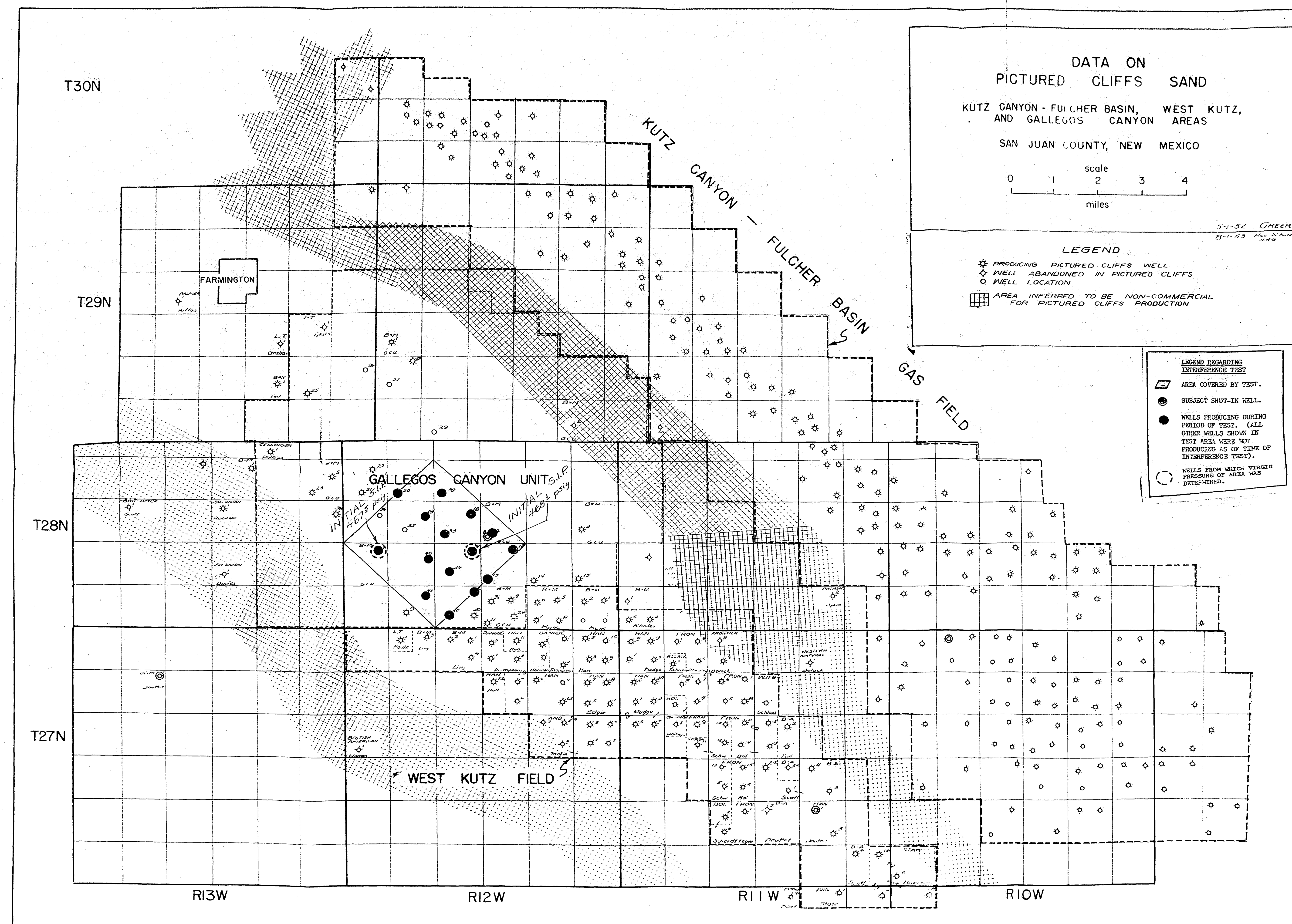


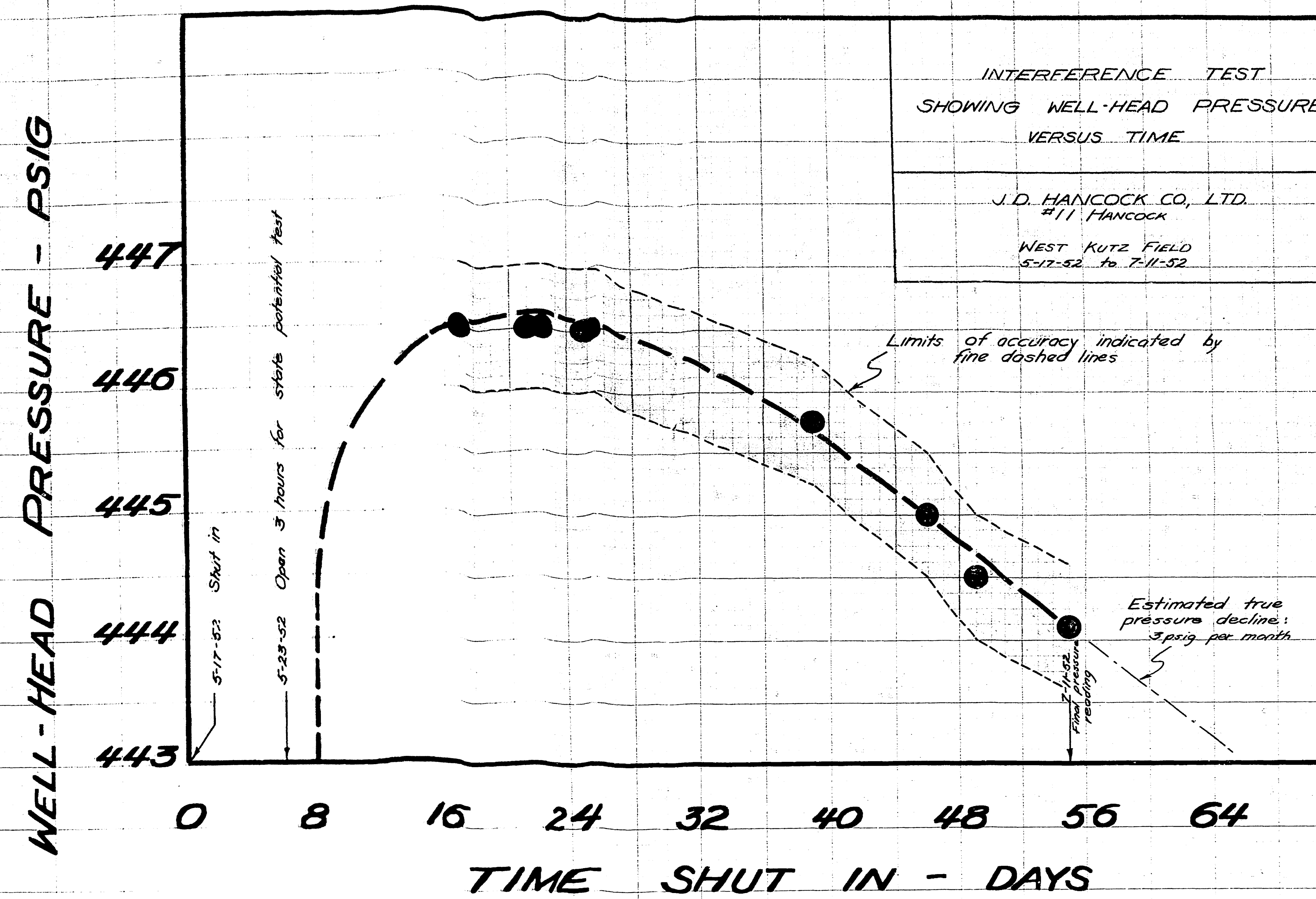




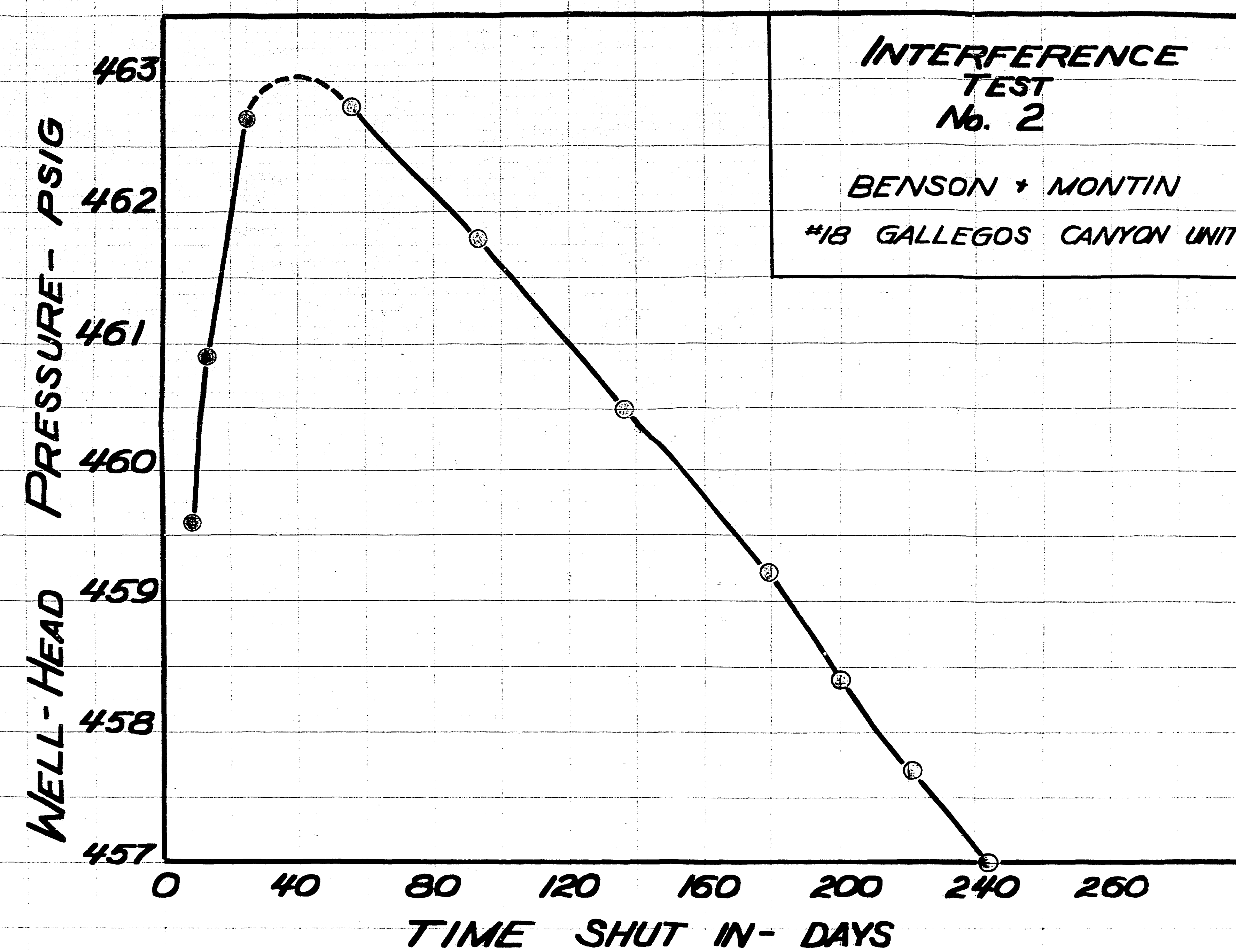




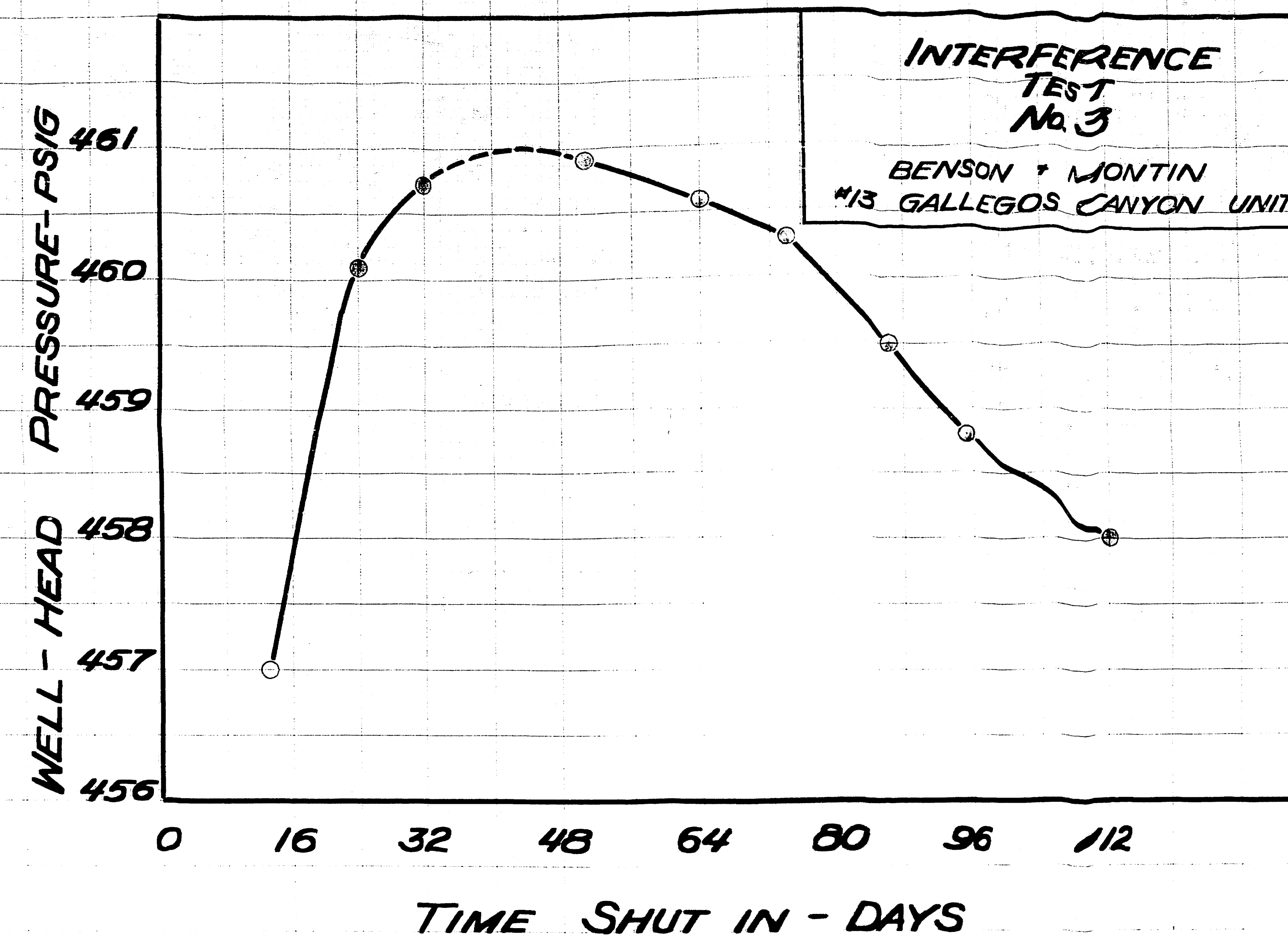




8-5-53
A.L. Sumner



9-14-53
GRR



9-14-82
GREEN

