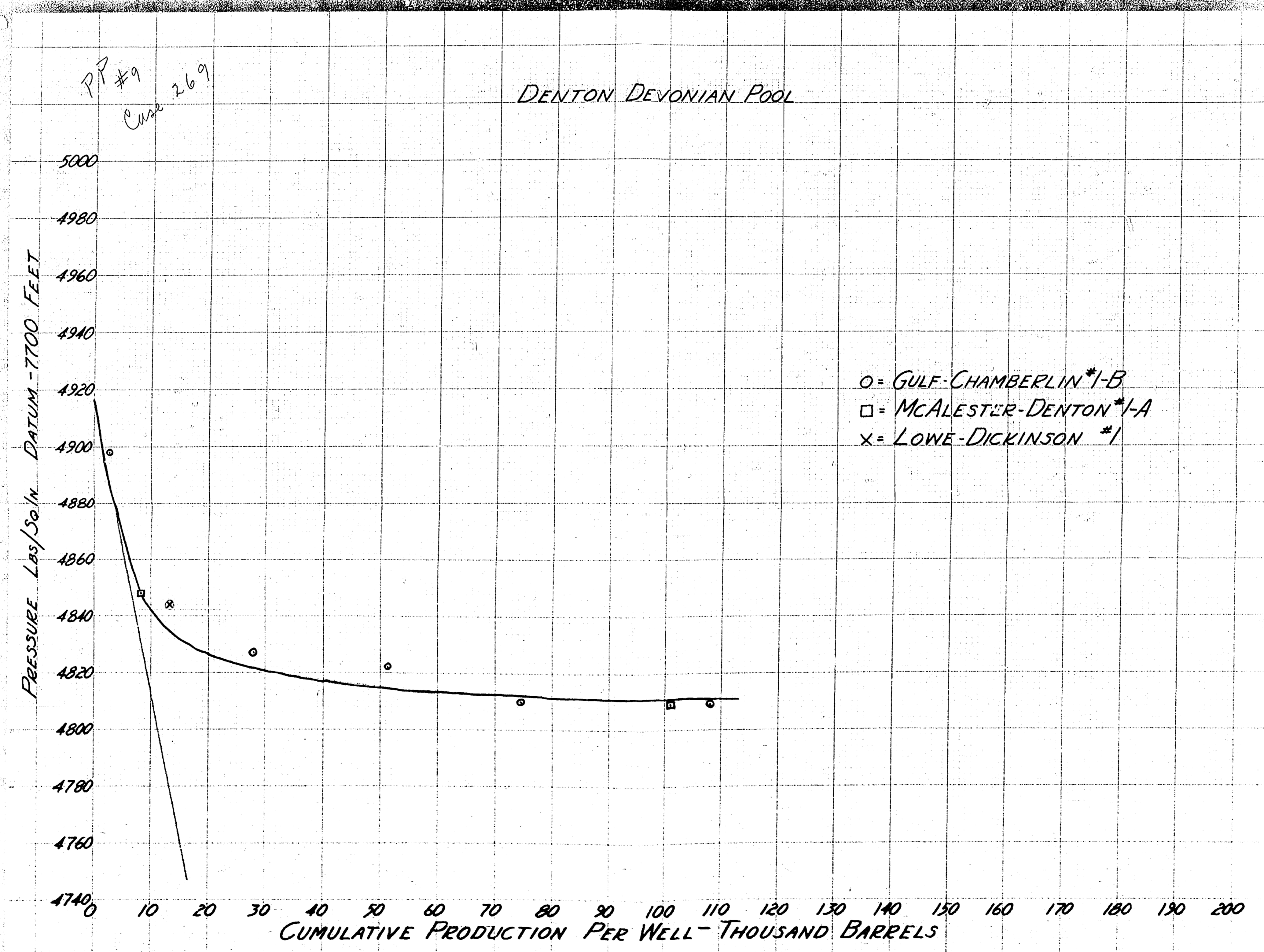


Case No.

$\frac{268}{269}$

Large Exhibits



#12 PPC
Coal 269

UNION POOL
Los Alamos, New Mexico

Well Name	Operator	Location	Elevation	Total Depth	Formation	Production Interval	Casing	IP
#1 Chamberlain	Gulf	660'S, 1980'W 14-158-378	3799'	11,513	Devonian	Open hole 11,503-11,513	7"-11,501	F 1048 BOPV 3/4" ok.
#1 Dickinson	Loew	660'S, 1980'W 14-158-378	3812'	12,385	Devonian	Open hole 12,360-12,385	5 1/2"-12,360	F 900 BOPD 20/64" ok.
#1 Denton	McAlester	660'S, 1980'W 11-158-378	3799'	11,467	Devonian	Perf: 11,265- 11,411-11,375	5 1/2"-11,265	F 456 BOPD 12/64" ok.
#1-A McClure	McAlester	660'S, 2310'W 14-158-378	3799'	12,325 10 12,321	Devonian	Perf: 12,258- 12,320	5 1/2"-12,324	F 461 BOPD 20/64" ok.

Alt	GOR	Qty	Top Vol/Case	DST's in Vol/Case	Top Devonian	DST's in Devonian	Remarks
Natural	608	41.6	9010(-5215)	9010-9112 rec. 120' oil 210' BOPV 9112-9225 rec. 70' mud oil 50'	11450(-7693)	11450-513 F 142.5 BO 3 hrs.	
Natural	1000	44.5	9152(-5135)	9152-9241 rec. 90' oil, 9152-9241 9241-9312 rec. 222' oil rec. 201' W 9312-9370 rec. 120' oil 9312-9370 9370-9412 rec. 95' W N 9412-9512 rec. 48' oil vtr.	12255(-8138)	12255-285 un- loaded oil 600' est. 190' BOPV 12255-210 per- fired rec. 1000' oil 12255-210 per- fired rec. 1170' oil 12255-210 F 172 BO 2 hrs. 25 min.	Show vtr above -5433 in 40 probably connate water.
Natural	1263	44.0	9000(-5201)	8977-9111 rec. 420' oil 8977-9111 1710' oil, 1170' HOOM 242-266 rec. 210' oil, 270' HOOM 242-266 rec. 268' oil, 800' HOOM 242-266 rec. 720' oil, vtr. 10,192-11 rec. 450' oil, 20'	11253(-7454)	11253-312 rec 720' OOM- UB 2450' oil, 610' OOM- 11253-242 F 75 BO 1st hr. 11253-247 F 25 BO 30 min. 11253-264 F between 4-8 BOV.	40 O/W contact between -5741 & -5811
Natural	1274	47.1	9010(-5211)	9101-9241 rec. 401' oil, 201' OOM 9101-9241 rec. oil oil 500' W N 370' HOOM 242- 266 rec. 251' oil OOM 242-266 rec. 50' OOM, 17' oil vtr 242-266 rec. 60' oil, 20'	11500(-7701)	11500-990 rec 2000' oil O/W, 270' OOM, un- loaded 1050' oil, 11500- 831 rec. 800' HOOM 11500-1192 rec. 530' O/W, 12,100-138 F #1 BO 30 min.	

#12

Well Name	Operator	Location	Elevation	Total Depth	Formation	Production Interval	Casing	IP
#3 Denton	Ohio	1980' S&E 11-158-378	3803'	12,113 FD 12,094	Devonian	Perf: 11,919- 976 & 11,984- 12041	5 1/2"-12,113	F 843 BOPD 1/2" ok.
#1 Denton	Phillips & Atlantic	1980'W, 1980'W 11-158-378	3806'	12,623	Devonian	Perf: 12,400- 12,500	5 1/2"-12,621	F 1560 BOPD 1/2" ok.

DRILLING WELLS - TO GO TO DEVONIAN

Alt	GOR	Qty	Top Vol/Case	DST's in Vol/Case	Top Devonian	DST's in Devonian	Remarks
Natural	827	46.4	8970(-5167)	None	11,100(-7297)	11,131-228 rec 715' oil 11,131-228 100' oil, 1000' O/W oil, 8700' O/W 11270- 625 rec. 150' oil, 420' HOOM 242- HOOM, 720' HOOM 11,392-534 F 60 BO 1st hr 11,392-534 F 150 BOV, 3,680,000 O/W 11,438-574 F 30 BO 1st hr. 11,438- 274 unloaded 9000' oil, 400' O/W, 1000' oil.	
1000	1085	45.7	9045(-5239)	8980-9100 F 15 BO 30 min. 9100-9121 rec. 1275' oil 200' 9201 rec 1000' oil 9201-9331 HOOM	11,450(-7644)	11,466-650 F 31.5 BO 1 hr. 13,111-162 F 64 BO 1 1/2 hrs. 12,162-216 F 29 BO 2 hrs. 12,216-266 F 25.8 BO 30 min. 17 min 12,266-316 F 16 BO 1 hr. 12,316-266 Reverse Circ. circ. rec. 5520' oil. 2994' HOOM 12,367-416 Rev. circ. 6050' oil, 6240' HOOM 12,417-466 Rev. circ. O/W, 15 BO, 6760' O/W 12,466-516 Rev. circ. O/W, F 40 BO 12,517-566 Rev. circ. UB mud - NS	
			9270(-5450) Scout	9250-9350 rec. 500' O/W 3300- 2630 rec. 120' oil O/W			5/9/51 Drilling 10,943 1st & sh

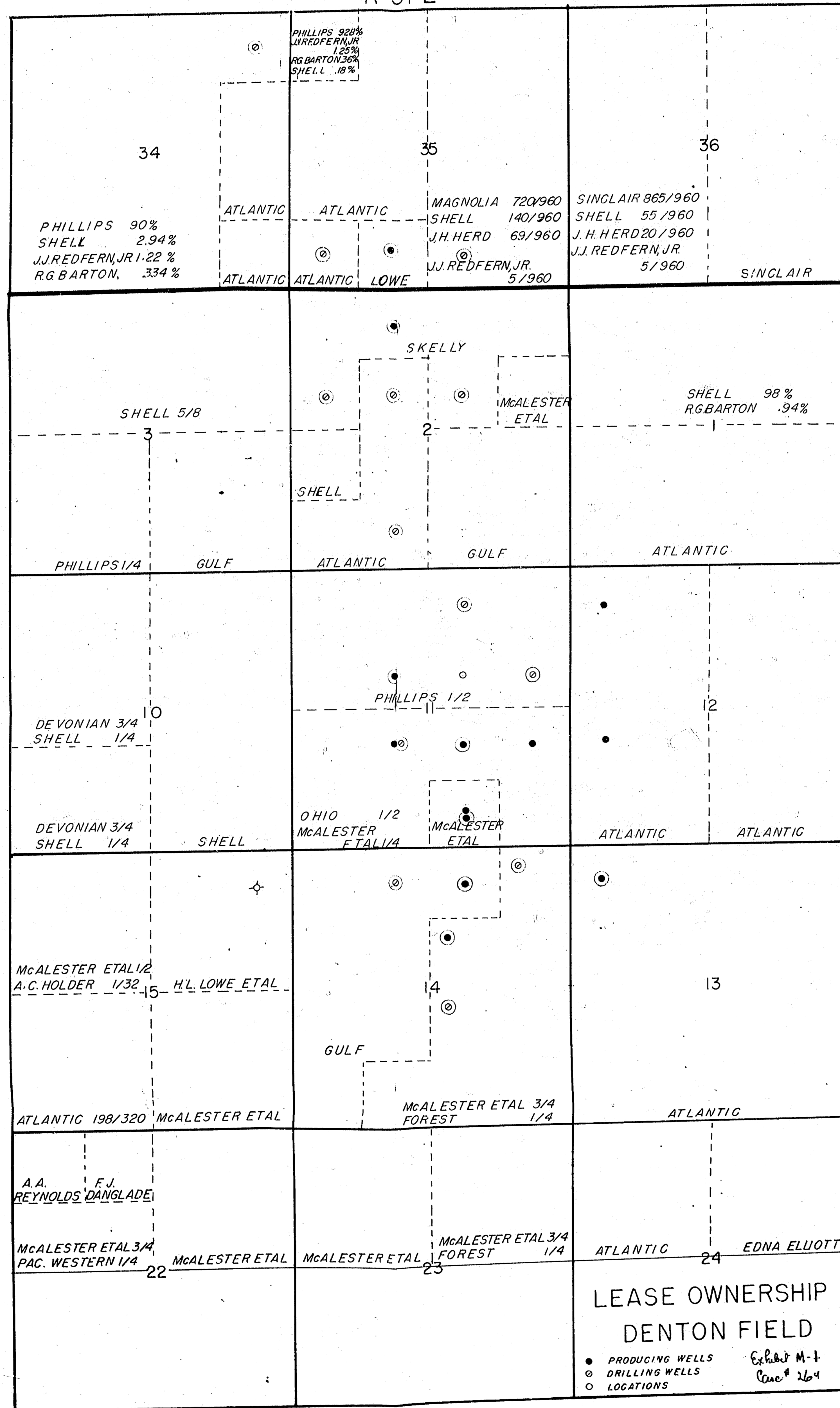
Well Name	Operator	Location	Elevation	Total Depth	Formation	Production Interval	Casing	IP
#1-T State	Atlantic	660'S, 1980'W, 2-158-378	3810'					
#2-State	Atlantic	1980' NW, 2-158-378	3813'					
#1 Loew	Drann	660' NW, 33-148-378						
#2-D Chamberlain	Gulf	660' N, 1980'W, 14-158-378	3805'					
#1-B McClure	McAlester	2310' S&E, 14-158-378	3800'					
#1-C McClure	McAlester	330'W, 990'W, 14-158-378	3803'					
#1 Papp	Magnolia	660'S 1980'W, 35-148-378						
#4 Denton	Ohio	1980'S 2080'W, 11-158-378	3806'					
#1 Fort	Phillips	660'W 660'W, 34-148-378	3829'					
#2 Denton	Phillips & Atlantic	1975'W 660'W, 11-158-378						
#3-A Denton	Phillips & Atlantic	660'W, 1928'W, 11-158-378						
#1-F State	Skelly	660'W, 1950'W, 2-158-378	3814'					

Alt	GOR	Qty	Top Vol/Case	DST's in Vol/Case	Top Devonian	DST's in Devonian	Remarks
			9035(-5225)	9035-9104 F est 30 BOV 9104-9184 rec 10' N 500-550 rec 180' oil, 50' O/W 1030-263 rec. 90' mud 1030-102 rec 430' mud.	11,665(-7855) Scout		5/9/51 # 12,175 1st
			9130(-5330) Scout	9132-9117 rec. 390' mud oil, 150' sul. water.			5/9/51 - # 7270' 1st
			9664(-5297) Scout	9650-9227 rec. 220' HO, 120' sul vtr.			5/9/51 - # 9681 1st & sh
			8920(-5184) Scout				5/9/51 - HUR
							5/11/51 # 10,841 1st & sh
							5/11/51 waiting on contractor
			9080-2266	9101-9200 F from 23 to 29 BOV 9200-50 rec. 60' oil, 90' O/W 30' sul vtr 977(-5825) rec. 703' sul vtr.	12070-8266	12091-206 Rec. 180' mud 12186-121 Rec. 380' oil, 85' O/W 12186-140 F 15 BO in 5 hrs 12 min.	Devonian O/W-5985

Well Name	Operator	Location	Elevation	Total Depth	Formation	Production Interval	Casing	IP	Acid	GOR	Grv	Top Wolfcamp	DST's in Wolfcamp	Top Devonian	DST's in Devonian	Remarks
(#1-F Continued)															(continued) 12440-242 Rec. 1820' oil, 3200' HOCB WB 12440-242 Rec. 1457' oil, 3500' at OGDH 15000-200 rec 3600' OGC WB, 90' OGDH 12792-234 rec 7180' mily and wt.	5/11/51 TD 12896 running casing
#2-F State	Skelly	1980' NSB, 2-158-37E														5/9/51 BUR
#3-F State	Skelly	1980' NSB, 2-158-37E														5/9/51 location
#1-D State "C"	Gulf	1980' NSB, 2-158-37E														5/9/51 location
#1-A Dickinson	Atlantic	660' NSB, 12-158-37E	3792'	11,325	Mississippian	Perf: 11272-78 11284-88 11293-302 11298-215 11312-218 11322-324	7"-11324	F 205 BOPD 3/8" ok.	1000	142	41.0	9310(-5518)	2200-212 Rec. 150' oil, 220' OGDH 238-243 Rec. 10' oil, 137' OGDH, 85' WOM, 180' mil vitr. 2465-228 Rec. 90' and 0' mil vitr. 2872-2910 Rec. 3958' oil and vitr. 10222- 620 Rec. 699' mil vitr.	DST's IN MISSISSIPPIAN = 11338-223 Rec. 1000' OGDH, 200' oil, 200' HOCB. 11322-218 Rec. 500' oil OGDH, 1520' OGDH	This well has recently gone to water and is to be deeper to the Devonian	
WELLS COMPLETED IN WOLF CAMP																
#1-B Dickinson	Atlantic	1980' NSB, 12-158-37E	3795'	9420 FB 9415	Wolfcamp	Perf: 9395- 9414	7"-9416	F 177 BOPD 20/64" ok.	3000	216	40.0	9273(-5478)	2200-212 Rec. 161' OGDH 2342-230 Rec. 169' 5 & oil and vitr. out oil 2178-2420 Rec. 3100' oil, 300' HOCB			

Well Name	Operator	Location	Elevation	Total Depth	Formation	Production Interval	Casing	IP	Acid	GOR	Grv	Top Wolfcamp	DST's in Wolfcamp	Top Devonian	DST's in Devonian	Remarks
#2-B Dickinson	Atlantic	660' NSB, 12-158-37E	3804	9522 FB 9412	Wolfcamp	Perf: 9345- 9403, 9374- 9403	7"-9507	F 1116 BOPD 1/4" ok.	10,000	128	43.2	9325(-5521)	2301-2110 Rec. 3600' oil, 150' HOCB, 490' at OGDH 2410-50 Rec. 370' oil, 330' HOCB, unloaded, 2448-2222 Rec. 400' oil 2730' HOCB mil vitr.			NO O/W content approx. 4% SO ₂ -5646 By Drilling Tests
#2-A Denton	McAlester	810' NSB, 11-158-37E	3802	9580	Wolfcamp	Perf: 9077-9106 9108-28, 9140- 65, 9170-9206 9216-20	5 1/2"-9379	F 108 BOPD 5/16" ok.	6000	475	43.0	8988(-5186)	None			
#1 Denton	Ohio	1980' NSB, 11-158-37E	3806	9750 FB 9250	Wolfcamp	Open hole 8983-9250	5 1/2"-8988	F 211 BOPD 5/8" ok.	6000	360	41.0	9006(-5200)	9010-2123 Rec. 60' OGD, 200' oil, 9121-2173 Rec. 120' oil, 180' HOCB est. 100,000 GPD unloaded est., 1980' oil, 180' HOCB 2550-2621 Rec. 90' at OGD			NO O/W Content estimated -5794 by cores
#2 Denton	Ohio	1980' NSB, 660'E	3802	9660 FB 9300	Wolfcamp	Open hole 9070-9300	5 1/2"-9070	F 111 BOPD 11/32" ok.	2500	356	41.0	9088(-5286)	2200-2120 Rec. 30' OGDH 2201-2175 Rec. 30' mud 2450-2452 Rec. 600' at OGDH 2501-50 Rec. 370' mil vitr. 90' mud			
FAILURES: -																
#1 Waller	McAlester	660' NSB, 12-158-37E	3812	12015				P & A				9415(-5603)	9415-9411 op 28 min Rec. 20' mud			Lost circulation at 11,410 and drilled blind to 12,015 where drill pipe was 1" in hole. Ran Schl. to top drill pipe at 11,418 and plugged well as operators believed it was running too low to warrant going deeper in face of the encountered difficulties. This test was probably in Pennsylvania at TB.

R-37 E



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TRACT 34 (Continued)

8. Mr. J. Alexander	1/320
9. Reuben & Helen E. Taylor	1/320
10. Warner J. & Ester D. Lang	1/320
11. Dr. Grant Augustine	1/320
12. Martha M. Stillie	2/320
13. Dr. F. Earl Bollinger and Edna H. Bollinger	1/40
14. Ruby Mae Honey Well	1/320
15. Gerald V. Carroll	1/320
16. Harold J. Spillman	1/320
17. Karl S. Powers	1/320
18. W. H. Portfield	1/320
19. Harry W. Croush	1/320
20. Thomas W. Shison	1/320
21. Howard V. & Bernice L. Kratz	1/320
22. John, Emma, & Katherine Plachal	1/320
23. Carl D. Fatchen	1/640
24. Dewey Ward Strang	1/640
25. Johnie A. Hermanson and Norman A. Hermanson	1/320
26. W. Everett Taylor	1/320
27. Dr. Fleeta Ireland	1/320
28. H. C. Dorriton and Elyse Durston	1/320
29. Shell Oil Company	1/8
30. H. T. Dean	1/8
31. H. Dilard Schenck	3/8
32. D. H. Pope	1/24
33. Fannie May Gardner	1/24
34. B. L. Pope	1/24
35. A. T. Pope	1/24
36. O. A. Pope	1/24
37. Mrs. J. R. Fort	1/24
38. Harry Plachman	25/320
39. Rosalind Redfern	15/320
40. J. H. Herd	10/320

TRACT 35 All of Sec. 2, T15S, R37E
1. State of New Mexico All

TRACT 36 NE 1/4 Sec. 15, T15S, R37E
1. J. S. Waller 7/8
2. Royalties Unlimited 1/8

TRACT 32 E 1/2 NW 1/4 NW 1/4, NW 1/4, Sec. 35, T14S, R37E
1. Mary Clayton et al, Guardians for Walter E. Dickinson, Candace Dickinson, W. Gordon Dickinson II 3/4
2. J. E. Simmons 1/8
3. Saltmont Oil Company 1/16
4. Jean E. Simmons 1/16

TRACT 33 W 1/2 Sec. 36, T14S, R37E

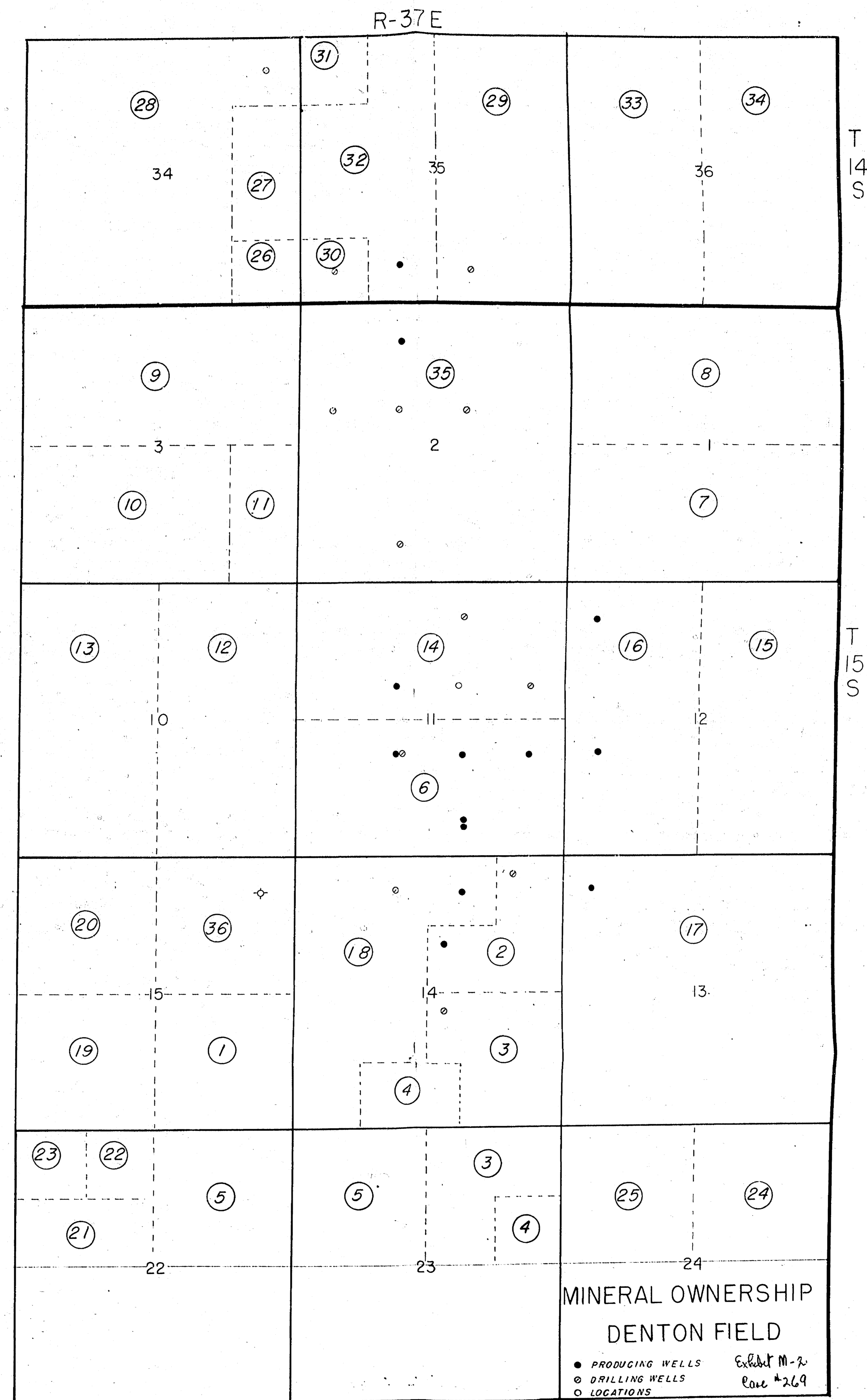
1. G. M. Shelton	50/960
2. Leasing Aloh	5/960
3. B. D. Buckley	40/960
4. Henry Lange	5/960
5. Stanley F. Jackes	20/960
6. Roy V. Fleah	15/960
7. Erie Payne	20/960
8. Fannie May Gardner	1/24
9. B. H. Pope	1/24
10. B. L. Pope	1/8
11. A. T. Pope	1/48
12. O. A. Pope	1/3
13. Mrs. J. R. Fort	1/16
14. Ralph Lowe	1/48
15. Paul L. Davis	5/288
16. Harry Adams, L. H. Tyson	1/4
17. W. B. Collins	1/288
18. H. L. Brown, M. R. Wheeler	1/8
19. Wm. B. Johnston	3/960
20. T. L. Stall	8/960
21. J. W. Hunt	4/960
22. John J. Redfern	15/8680
23. Margaret A. Redfern	3/8680
24. Frank J. Redfern	2/8680
25. Margaret M. Redfern	2/8680
26. John J. Redfern Jr. and Rosalind Redfern	15/960
27. John J. Redfern Jr. and Rosalind Redfern	23/960
28. J. H. Herd	5/960
29. J. H. Herd	5/960
30. J. H. Herd	16/960

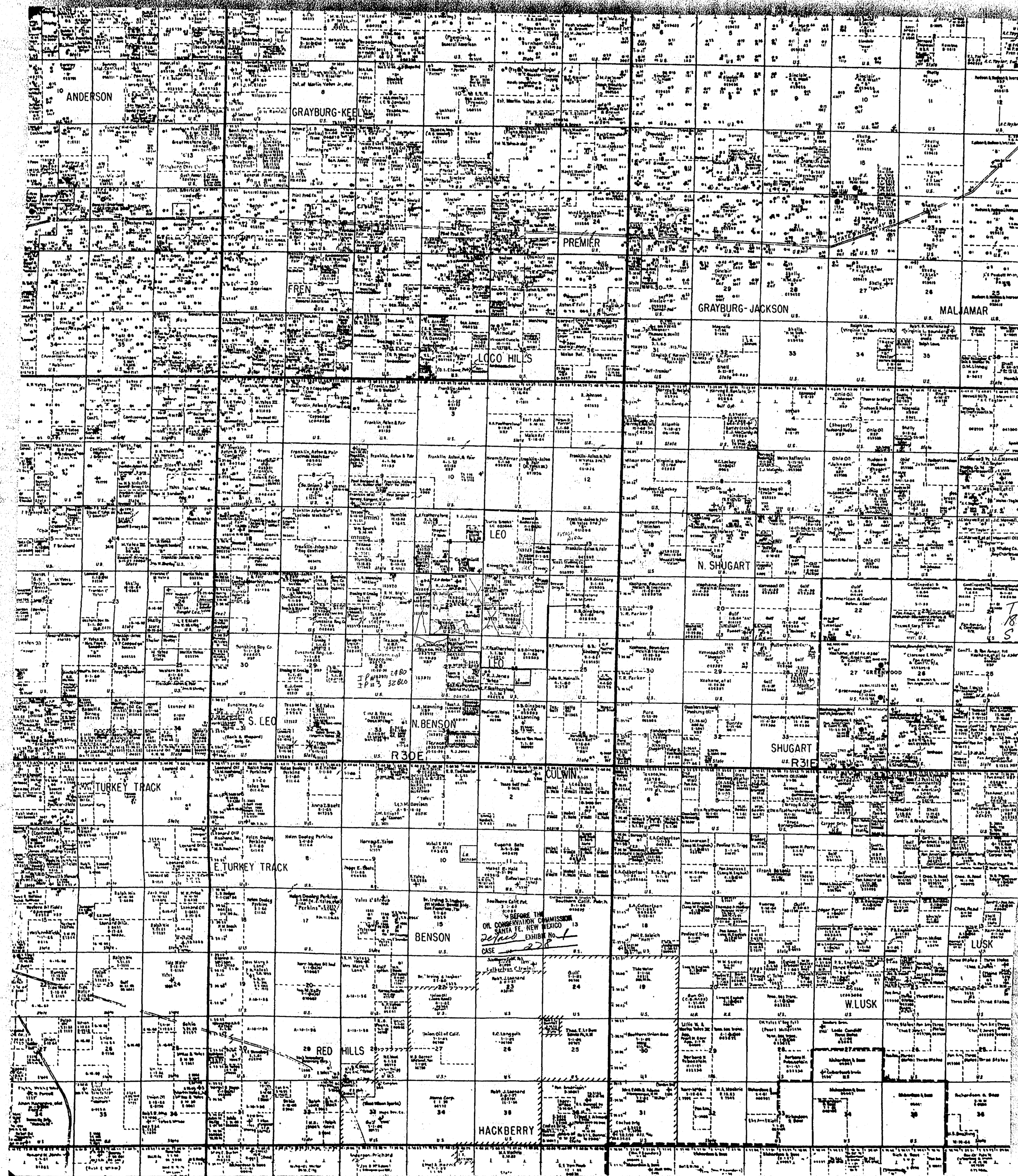
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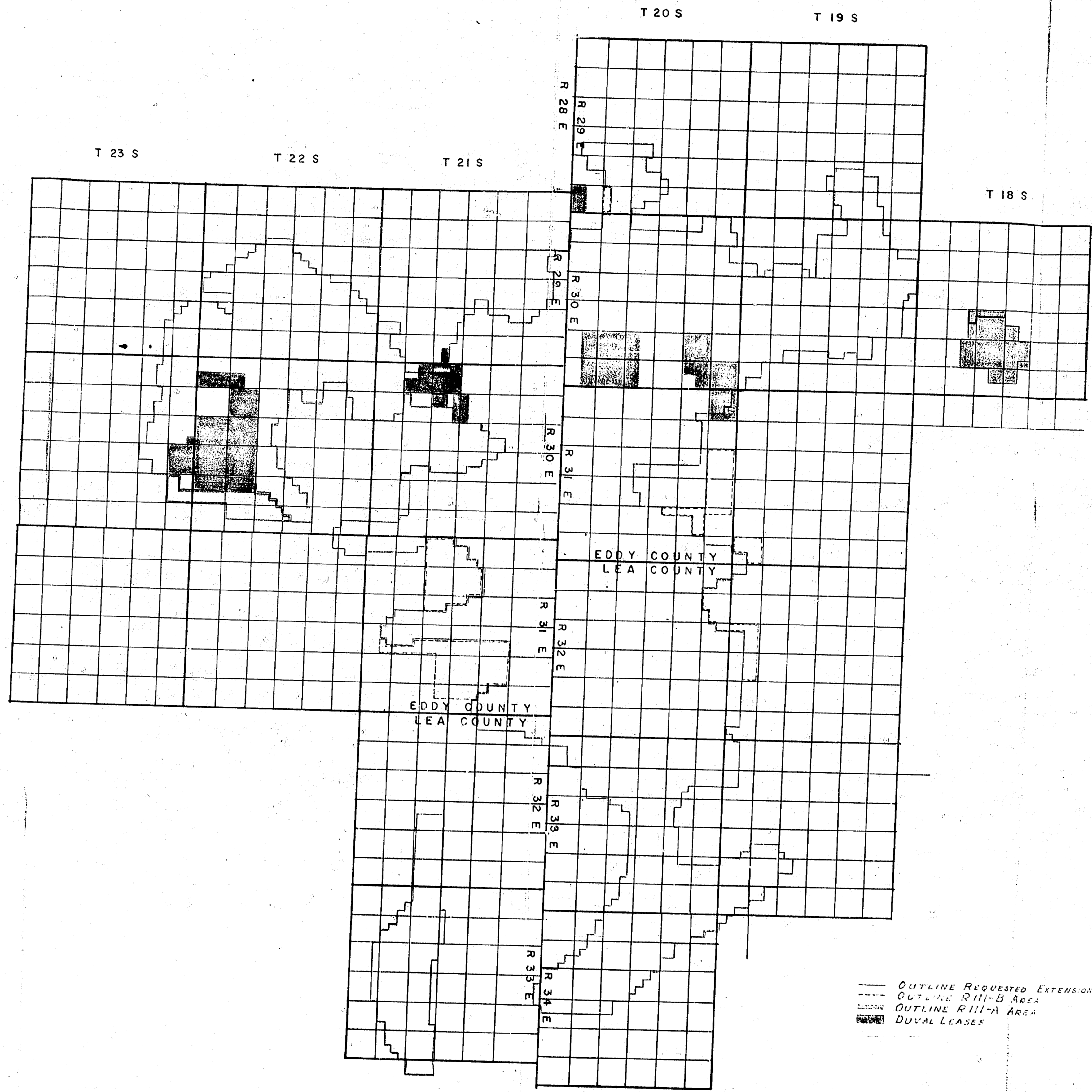
TRACT 34 E 1/2 Sec. 36, T14S, R37E

1. W. T. Mann	1/16
2. Henry Kemp	3/64
3. Harry S. Wright	23/640
4. W. B. Fulton	1/8
5. George F. Worston	1/64
6. Katharine L. Jones	1/32
7. John William Hughes	1/640

(Continued)

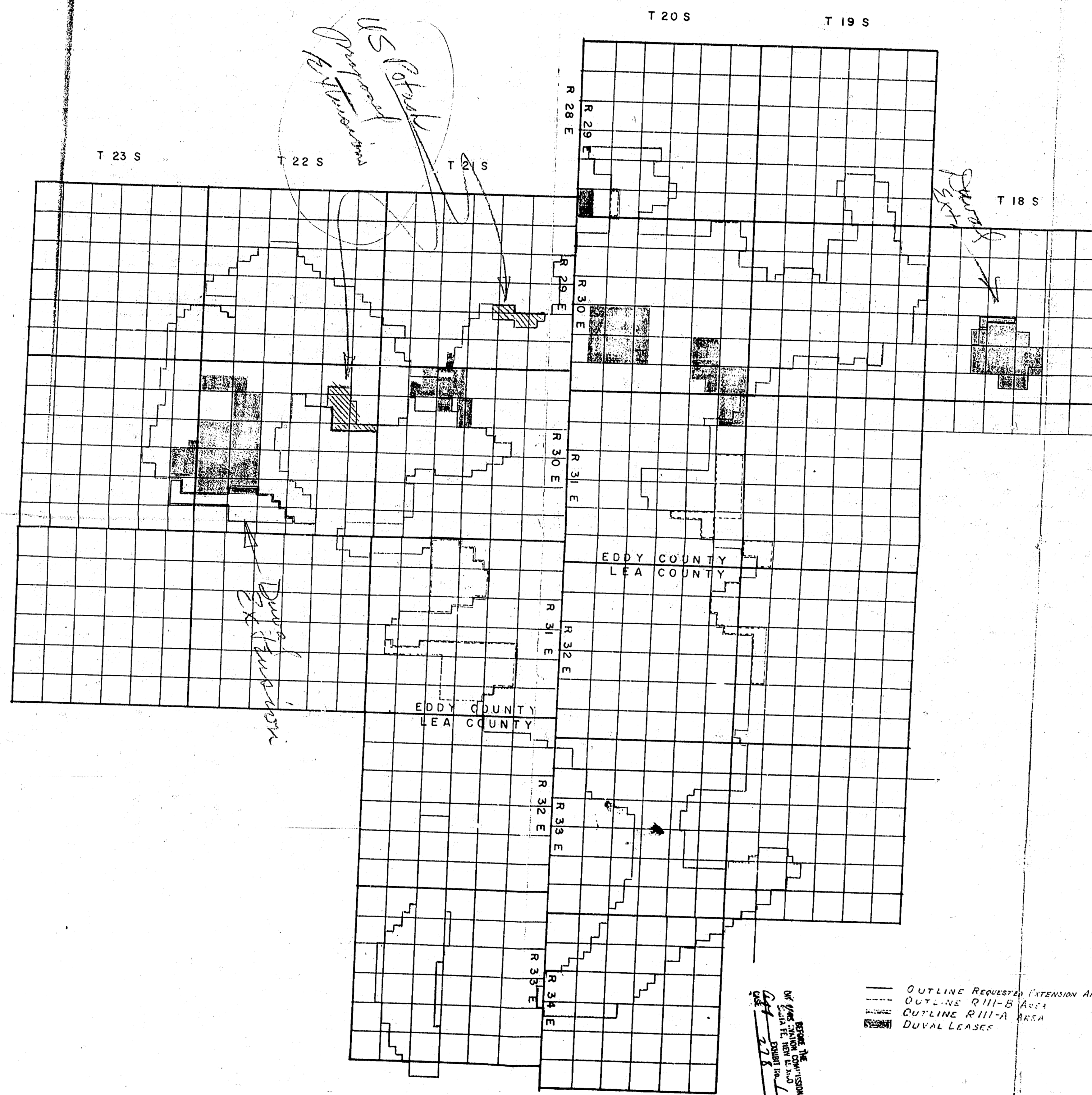






BEFORE THE
 CONSERVATION COMMISSION
 SANTA FE, NEW MEXICO
 EXHIBIT No. 1
 DATE 2-28

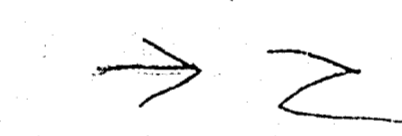
DUVAL SULPHUR & POTASH COMPANY POTASH DIVISION CARLSBAD, NEW MEXICO		
POTASH-OIL AREA DESCRIBED BY ORDER R III-A		
App'd by	Scale 1" = 2 miles	Date 5-9-58
App'd by	Drawn by B.F.M.	Drawing No.
App'd by	Ch'kd by	1-8-37



*US Potash
Co. Lease*

Shaded Area

Shaded Area

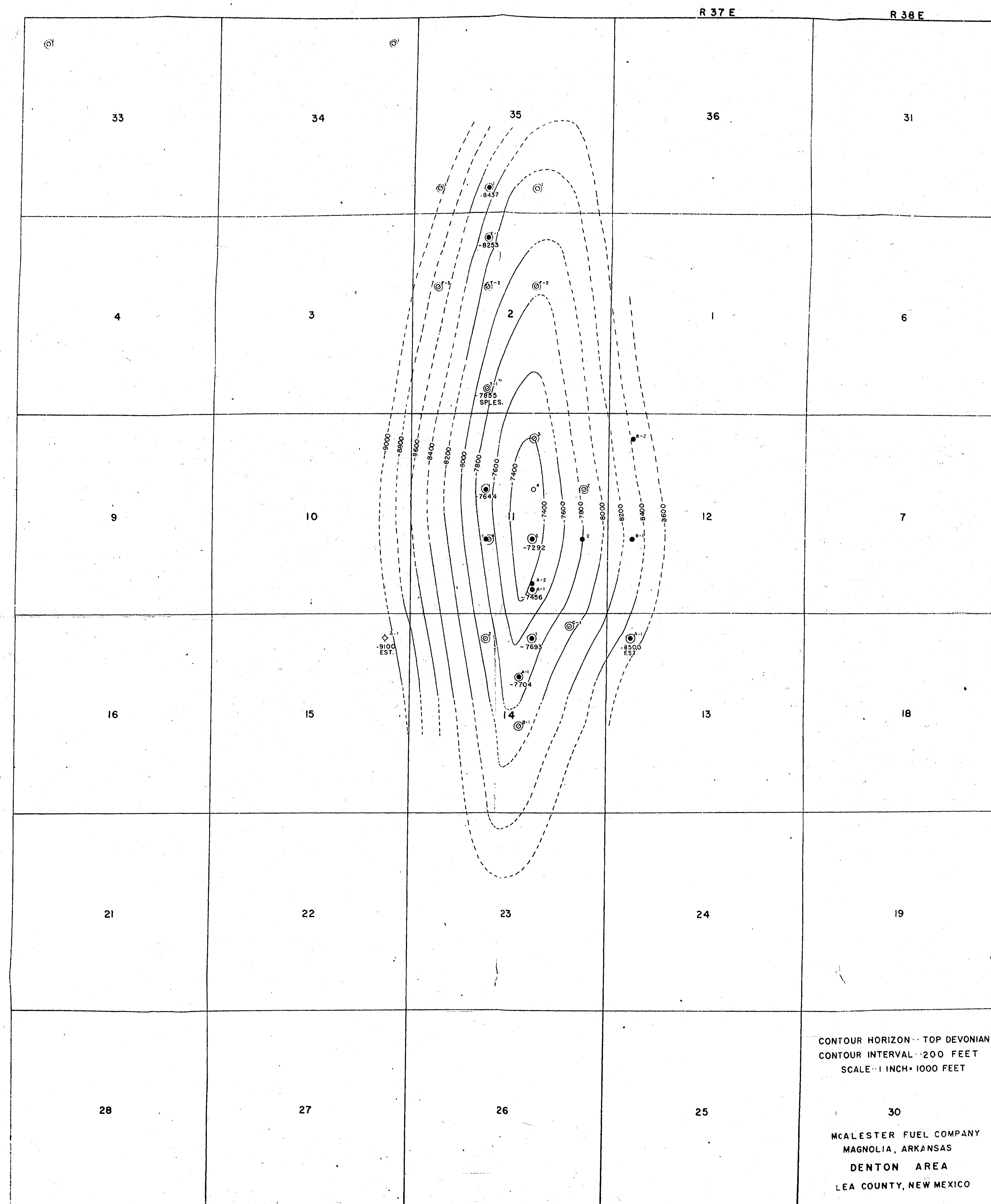


*4/14/70 KSD
4/8/70 KSD
4/3/70 KSD
4/3/70 KSD
4/3/70 KSD
4/3/70 KSD*

--- OUTLINE REQUEST EXTENSION AREA
 - - - - - OUTLINE ORDER AREA
 [Stippled] OUTLINE R 111-A AREA
 [Hatched] DUVAL LEASES

*SEE THE
ORIGINAL
DRAWING FOR
DETAILS
AND
SCALE*

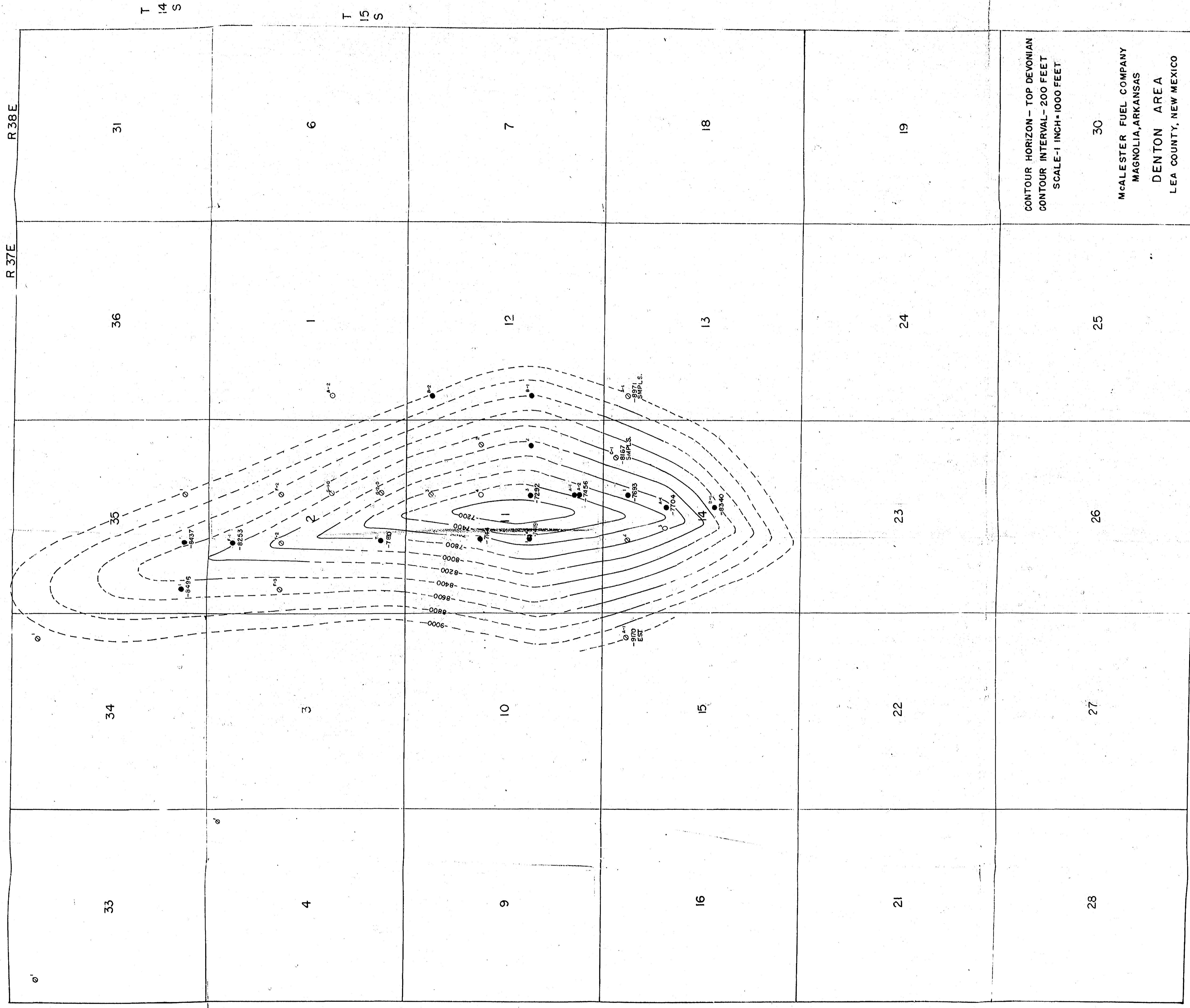
DUVAL SULPHUR & POTASH COMPANY		
<small>POTASH DIVISION</small>		
<small>COLUMBIA, NEW MEXICO</small>		
POTASH - OIL AREA		
DESCRIBED BY ORDER R 111-A		
App'd by	Scale 1" = 2 miles	Date 5-8-58
App'd by	Drawn by B.F.M.	Drawing No.
App'd by	CHK'd by	1-B-37

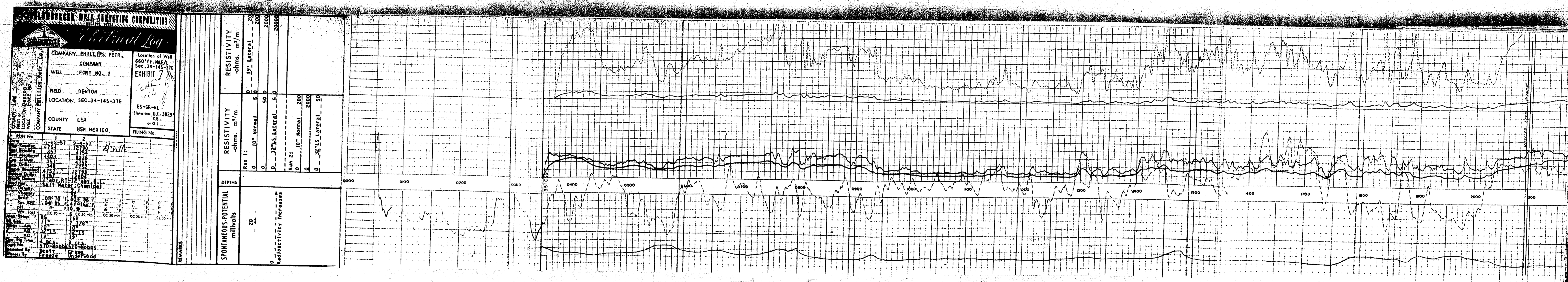
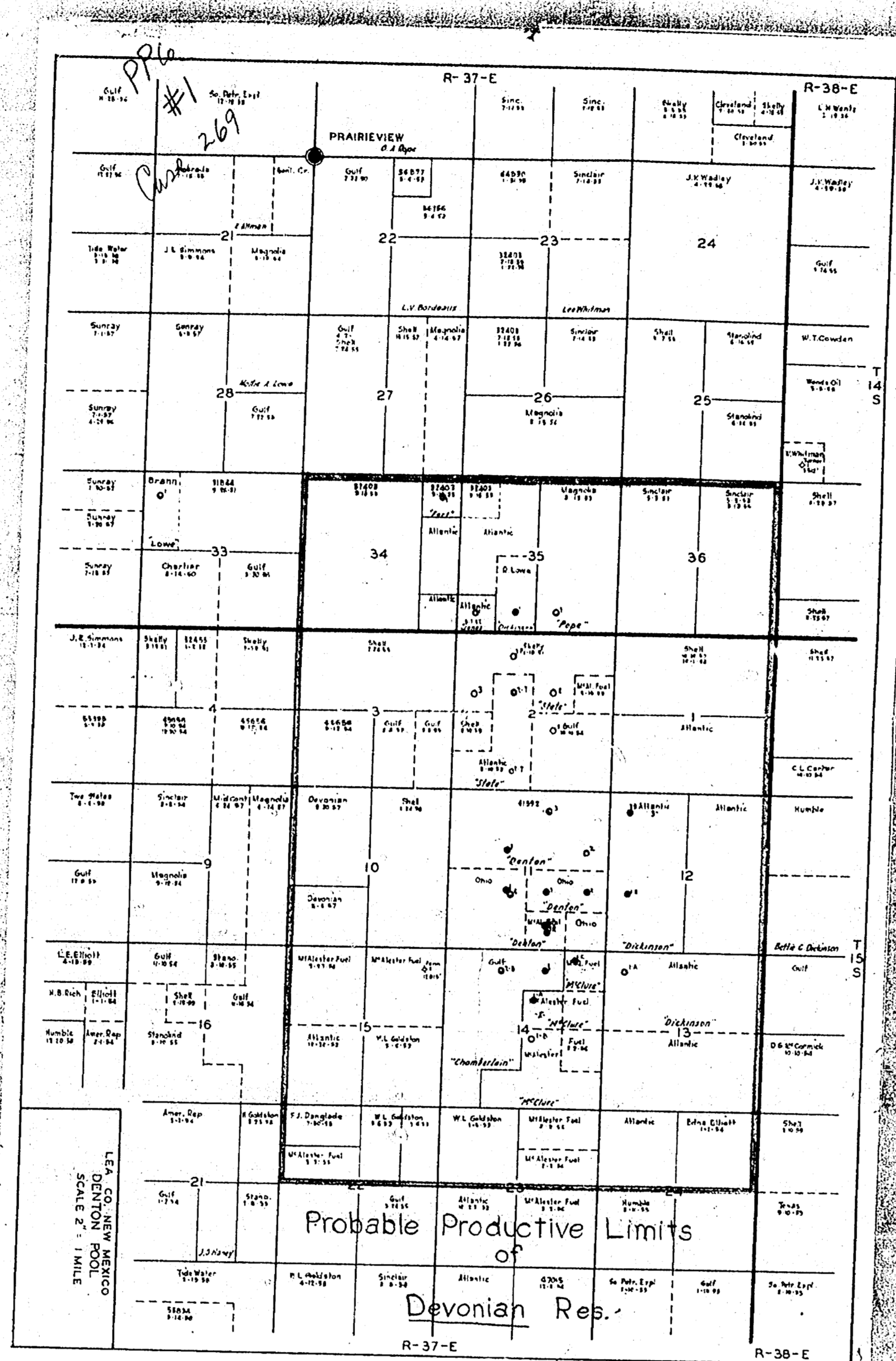


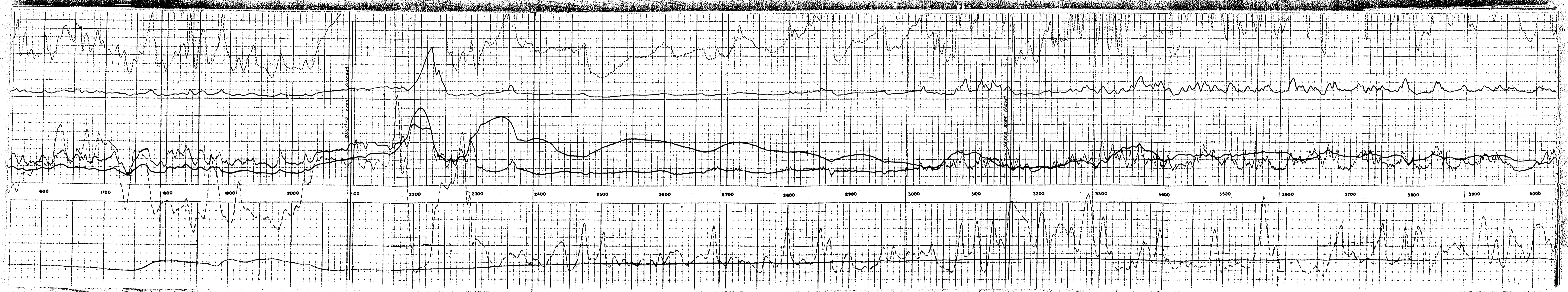
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 CONTOUR INTERVAL - 200 FEET
 SCALE - 1 INCH = 1000 FEET

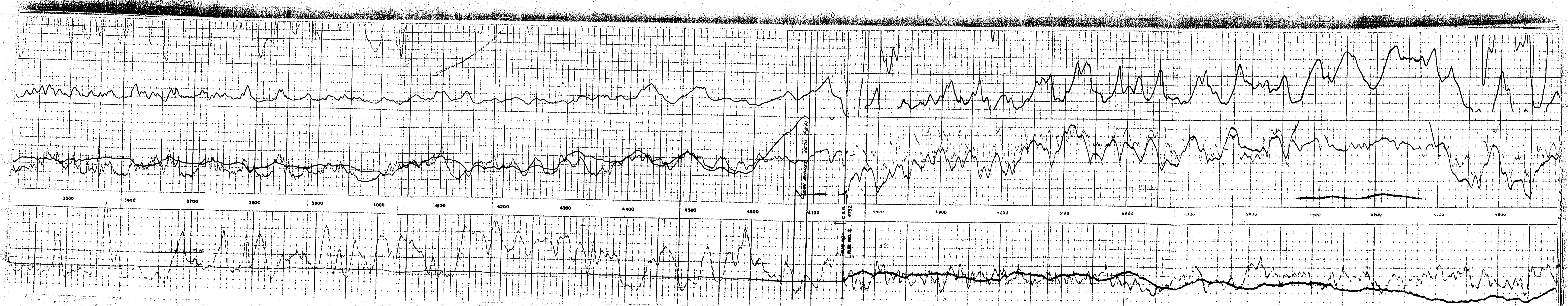
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 McALESTER FUEL COMPANY
 MAGNOLIA, ARKANSAS
 DENTON AREA
 LEA COUNTY, NEW MEXICO

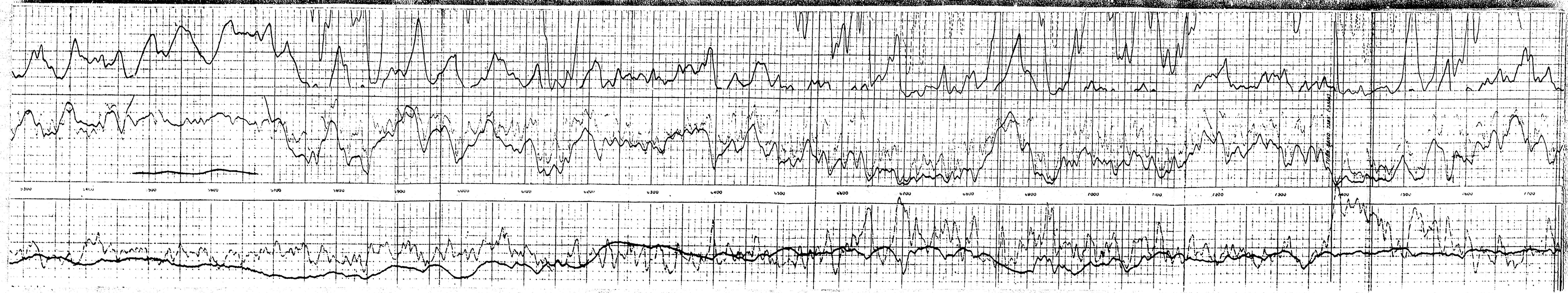
EXHIBIT 15
201 267

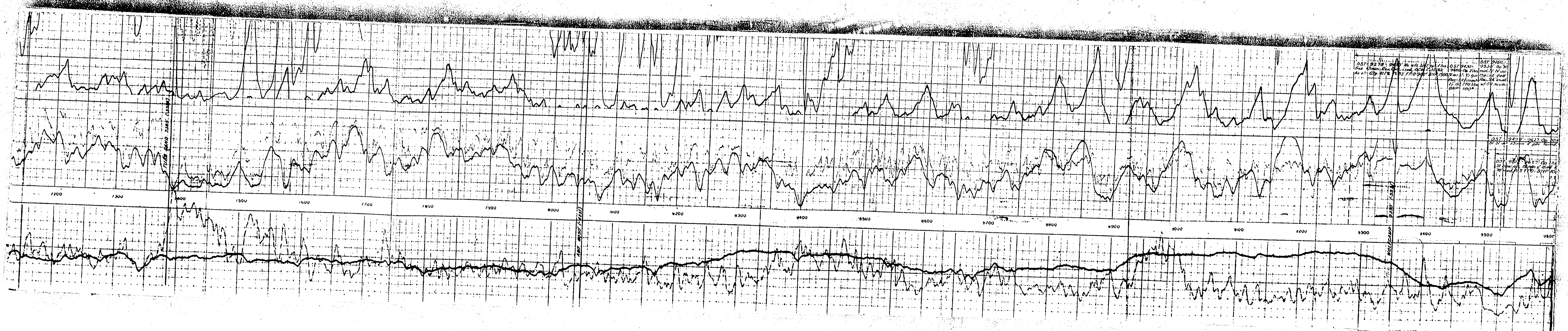


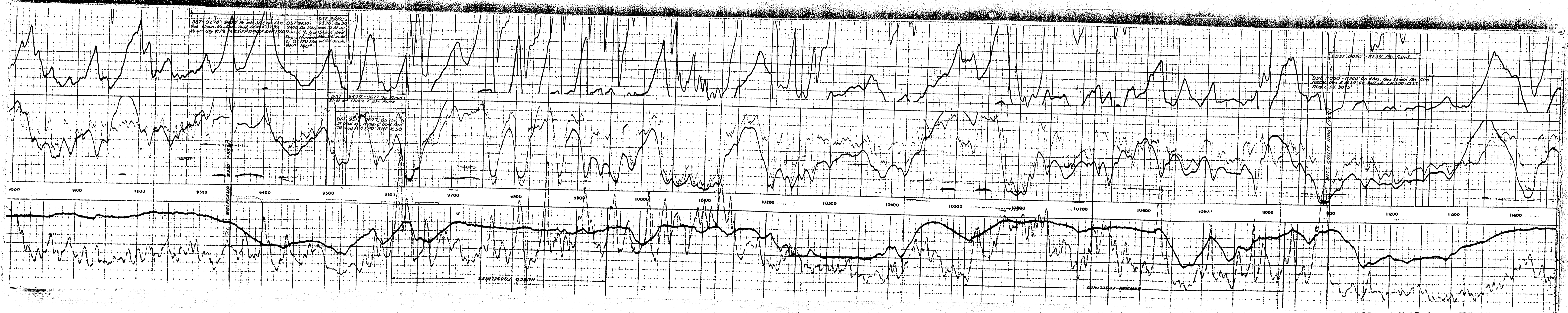


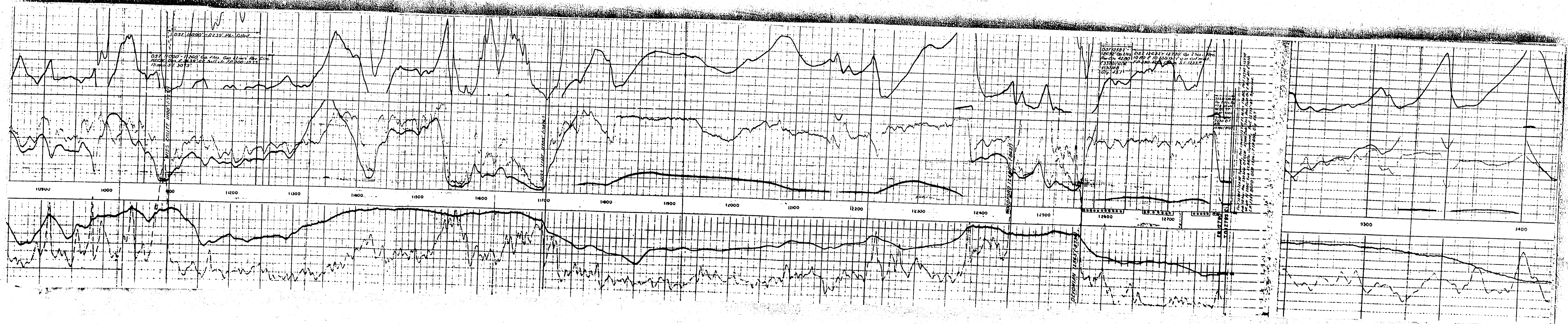


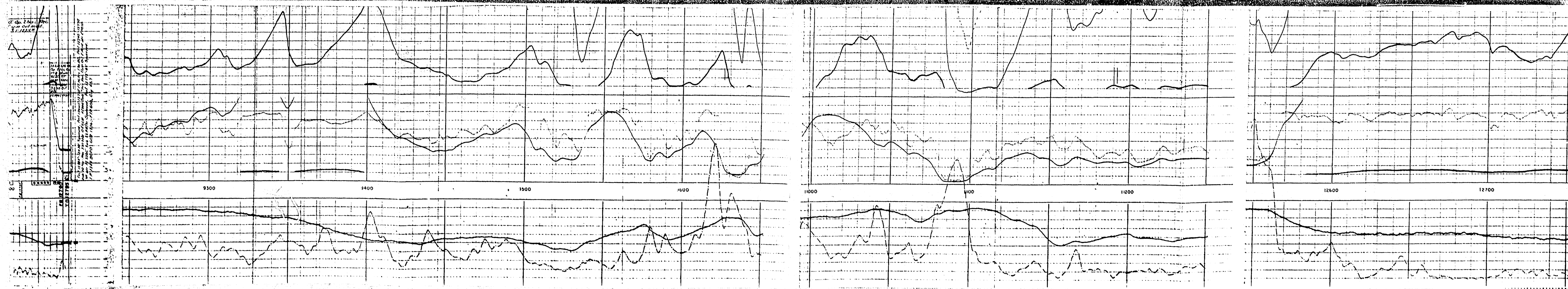


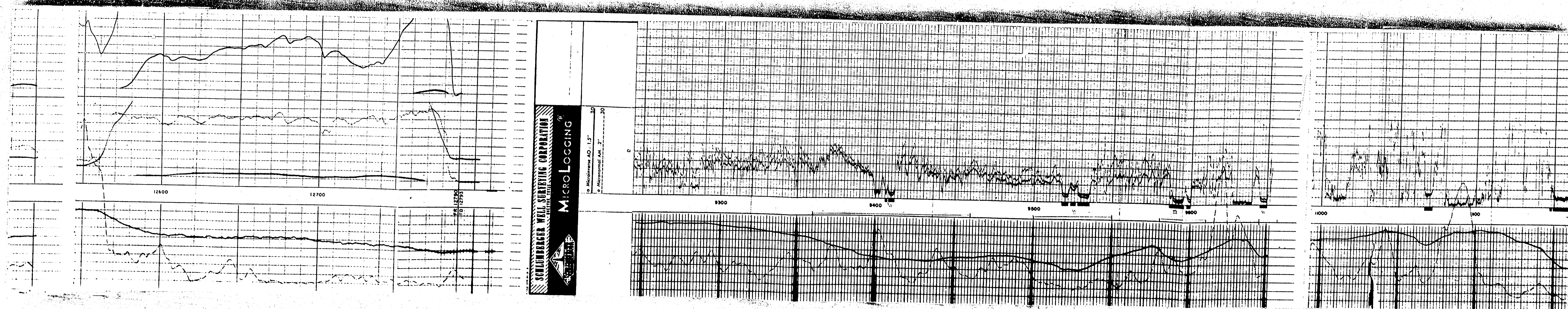




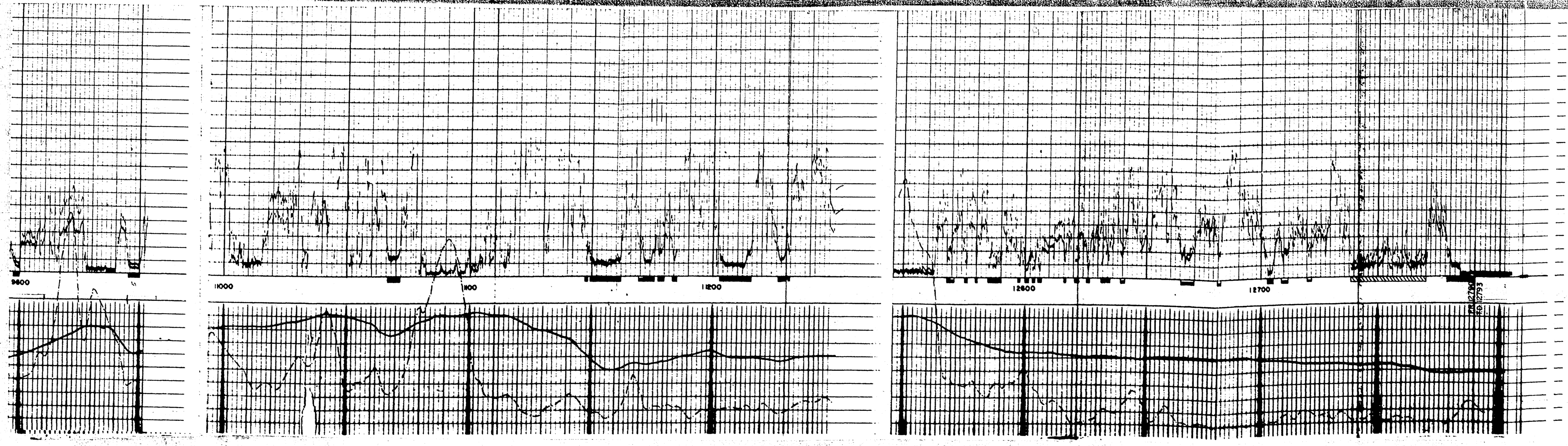








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PHILLIPS PETROLEUM CO.
FORT WORTH, TEXAS
DENTON FIELD
LEA COUNTY, NEW MEXICO