

Case Number
3535

Large
Exhibits



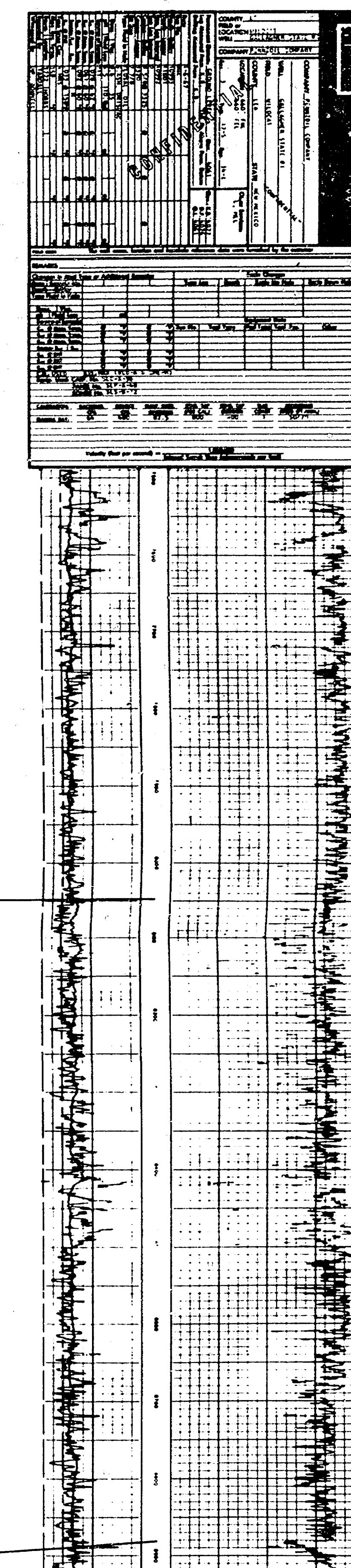
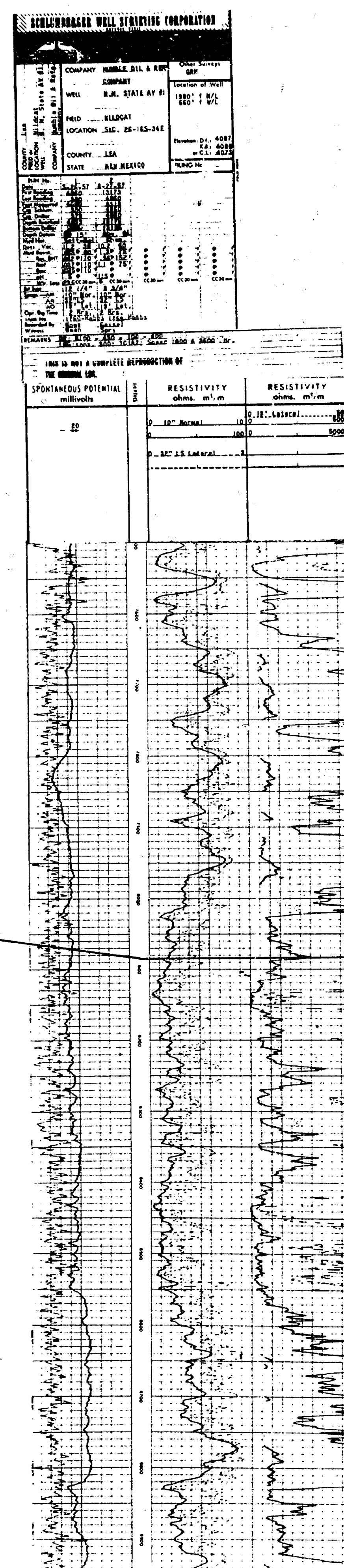
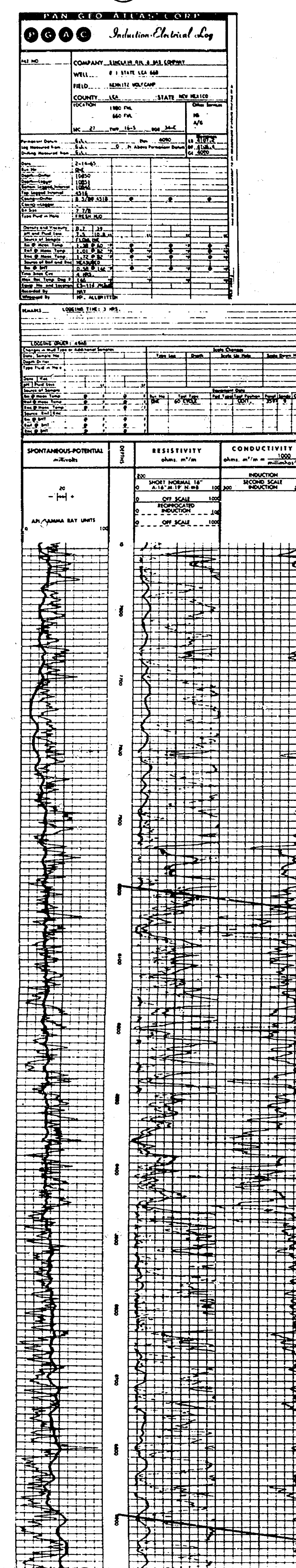
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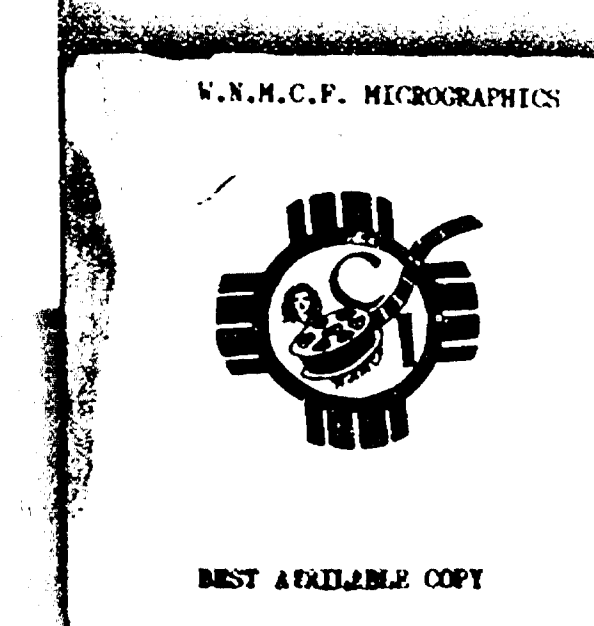
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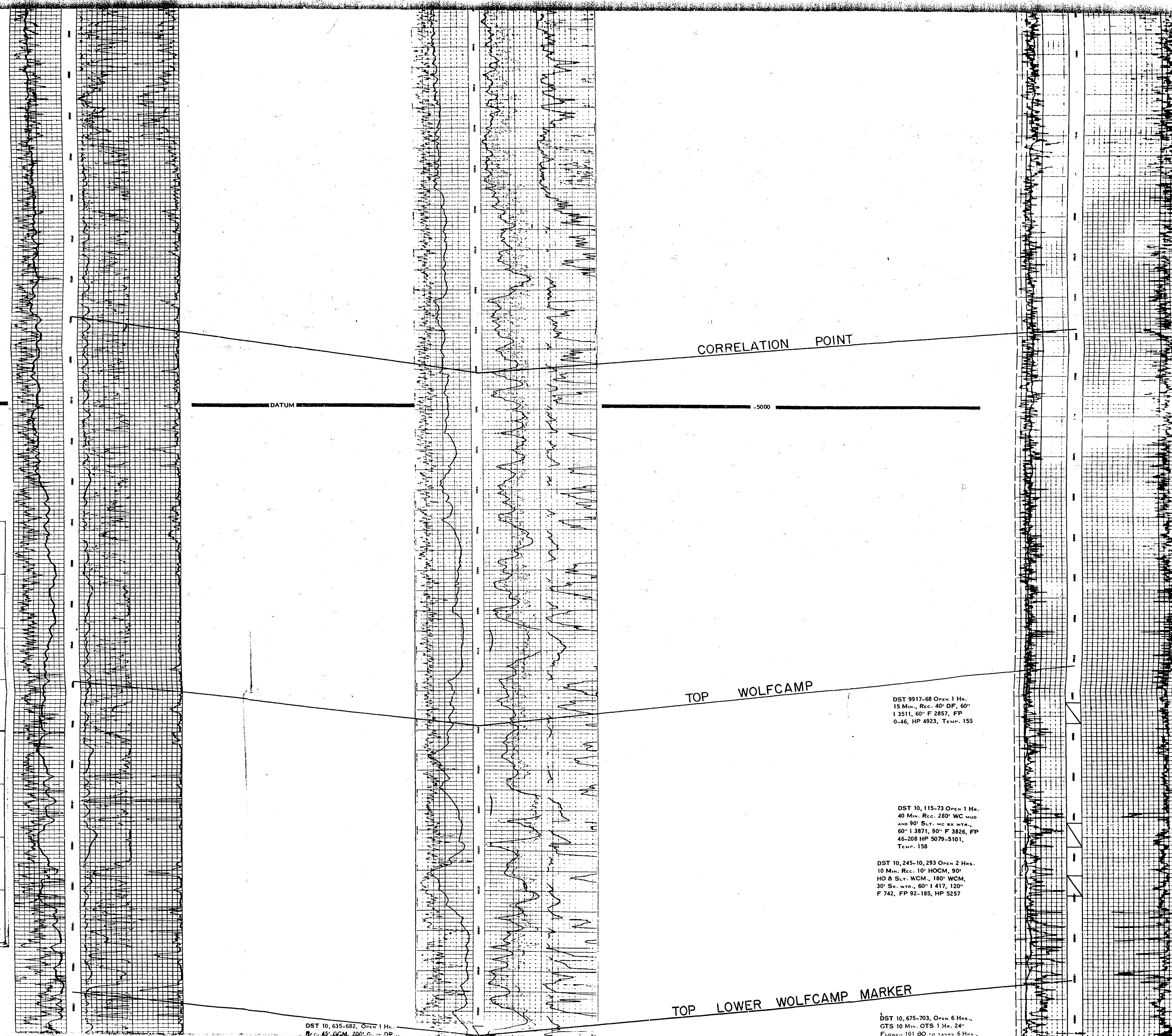
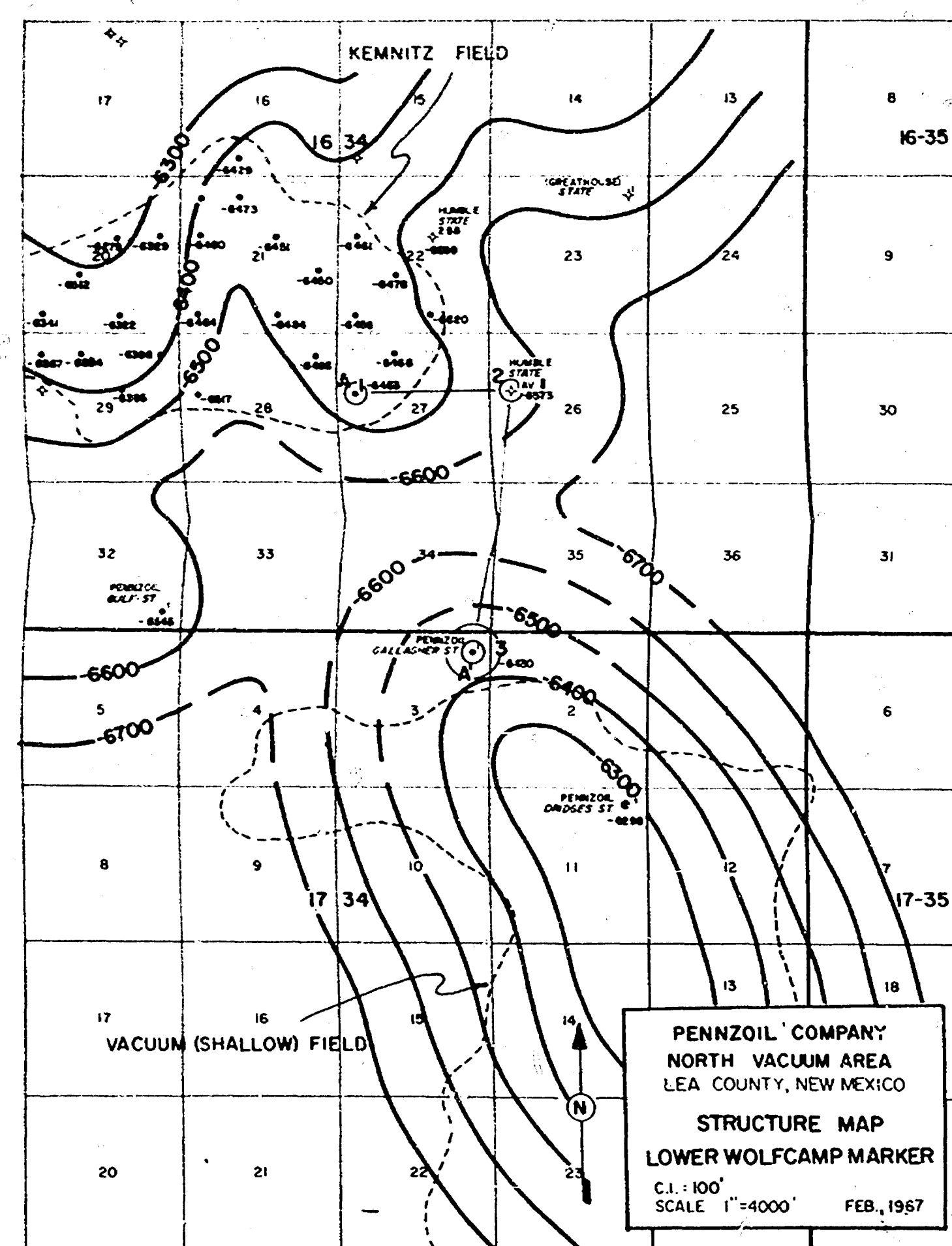
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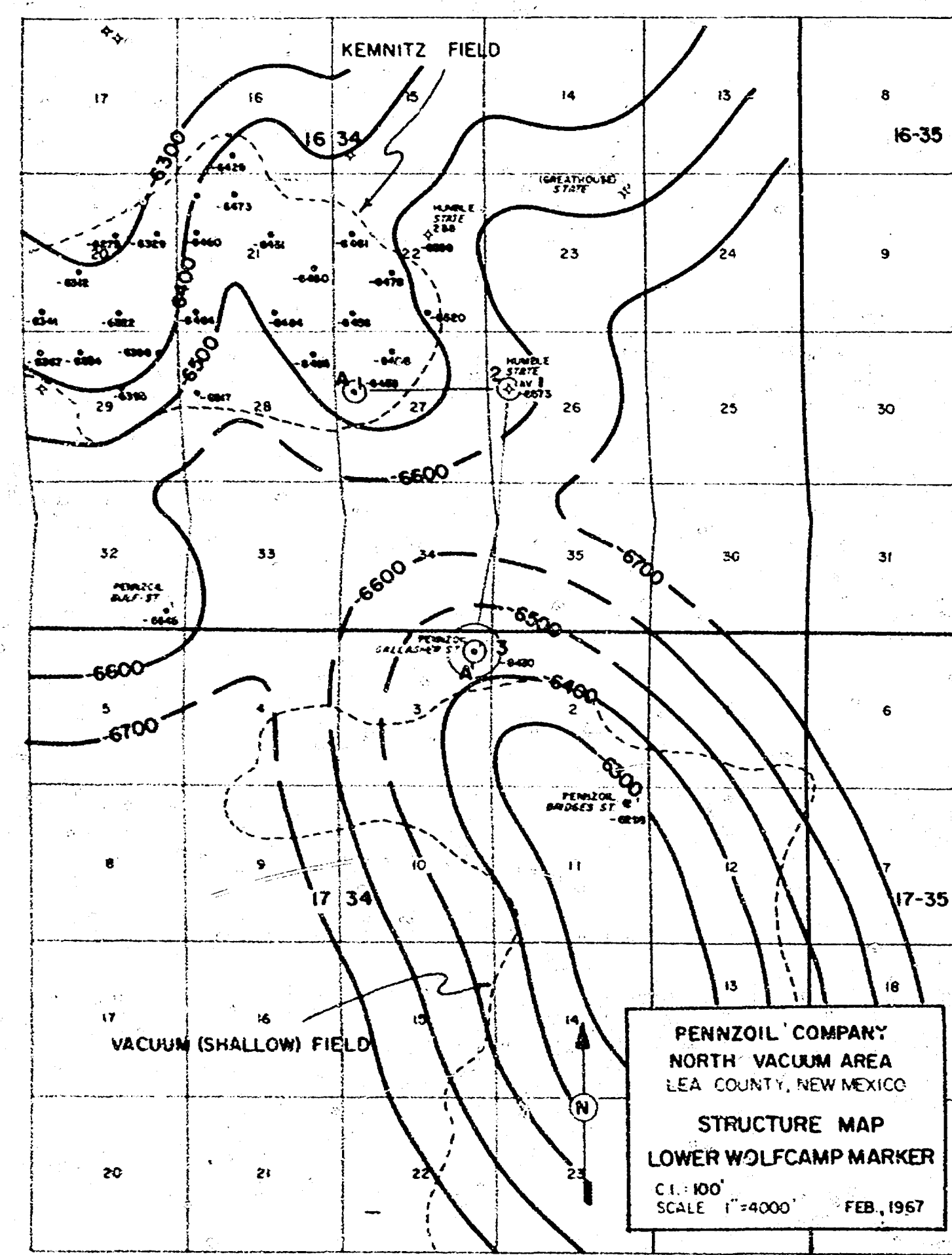
(A')



TOP ABO

CORRELATION POINT





DST 10,700-760, Open 2 Hrs.
Rec. 30" MCM, 1 Hr. ISIP 1887
2 Hrs. FSIP 1622, FP 29-59
Pear. 10,756-768
DST 10,750-850, Open 2 Hrs.
OTS 7", Rec. 180' OMSWCM
330 SW, 1 Hr. ISIP 1886
2 Hrs. FSIP 1788, FP 59-295

TOTAL DEPTH 10,850
IPP 70 BO & 76 BW
3-24-55

DST 10,635-682, Open 1 Hr.
Rec. 45" GCM, 200' G. in DP.
FP 95, 30" FSIP 400

DST 10,715-767, Open 1 Hr.
Rec. 30" GCM, 100' G. in DP.
FP 30, 30" FSIP 60

TOTAL DEPTH 13,186
D & A 8-30-57

TOP WOLFCAMP

DST 9917-58 Open 1 Hr.
15 Min. Rec. 40" DP, 60"
1 3511, 60" F 2857, FP
0-46, HP 4923, Temp. 155

DST 10,115-73 Open 1 Hr.
40 Min. Rec. 280' WC mud
and 50' SLT. and 50' WCM.
60" 1 3871, 90" F 3826, FP
46-208 HP 5079-5101,
Temp. 158

DST 10,245-10,293 Open 2 Hrs.
10 Min. Rec. 10" MOCM, 90"
HO & SLT. WCM, 180' WCM,
30" SW. WCM, 60" 1 417, 120"
F 742, FP 92-185, HP 5257

TOP LOWER WOLFCAMP MARKER

DST 10,675-703, Open 6 Hrs.
OTS 10 Min. OTS 1 Hr. 24"
Flowing 101 BO no flow 6 Hrs.
Rec. out 24 BO, 60" 1 4140 4 Hrs.
F 4140, FP 974, 1453, HP 5361,
5339, Temp. 155
Pear. 10,689-699

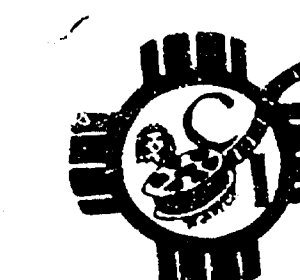
DST 10,710-33 Open 2 Hrs.
10 Min. Rec. 720' Gas, 10"
Mud and 10" Oil, 60" 1 239,
4 Hrs. F 479, FP 48-48
HP 5377

PENNZOIL COMPANY
MIDLAND, TEXAS
CORRELATION SECTION
NORTH VACUUM AREA
LEA COUNTY, NEW MEXICO
FEBRUARY 1967

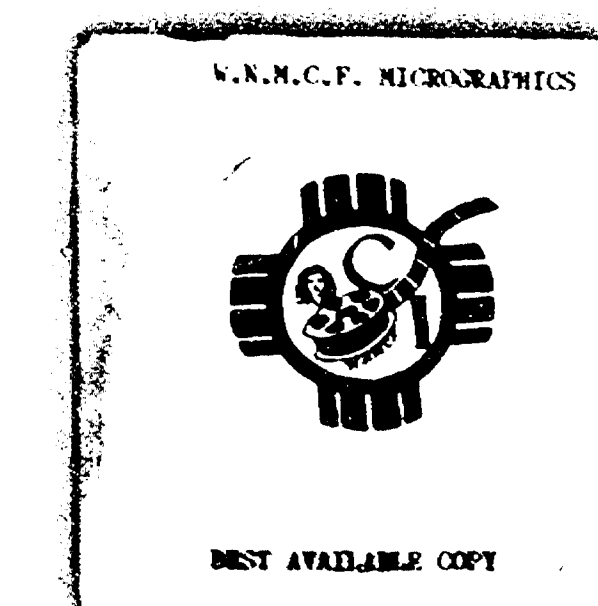
BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Exhibit No. 3520

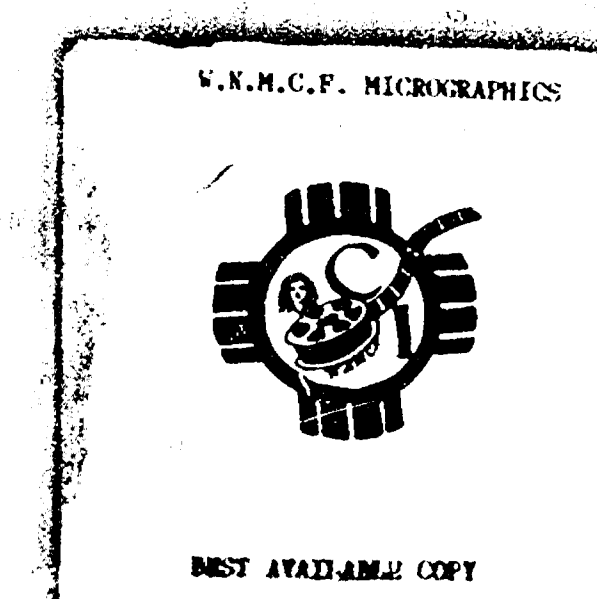
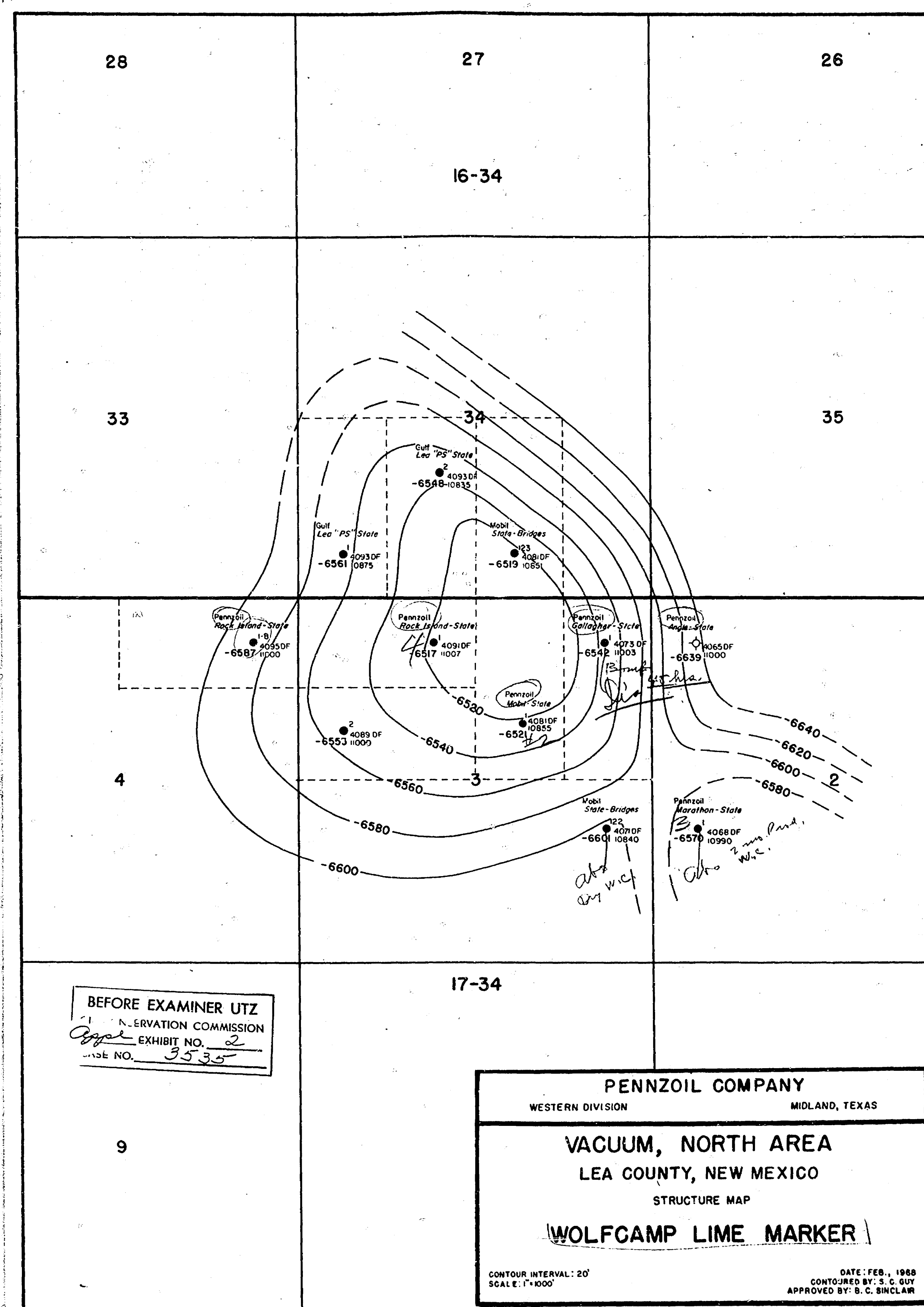
TOTAL DEPTH 11,001
IPP 391 BO
1-14-67

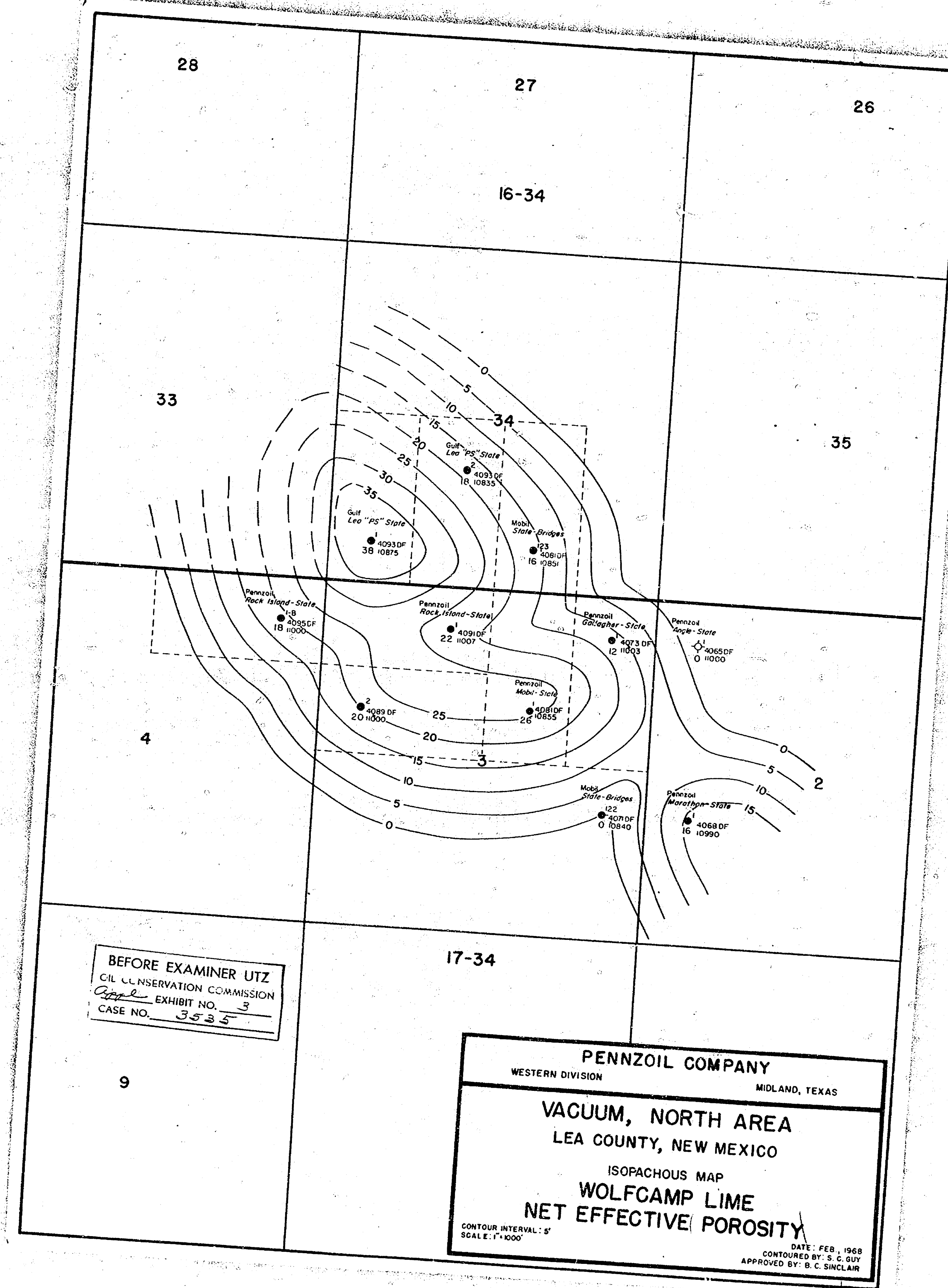
V.A.M.C.F. MICROFILMS



BEST AVAILABLE COPY







PRODUCTION DATA					
North Vacuum-Lower Molecamp Field					
Lea County, New Mexico					
1967	No. Wells	Oil (Bbls.)	Water (Bbls.)	Gas (MCF)	GOR (CF/Bbl)
Jan.	1	1,883	0	3,717	1,974
Feb.	1	6,754	0	10,806	1,600
Mar.	1	8,211	0	13,138	1,600
Apr.	2	14,347	0	20,301	1,415
May	2	18,040	0	23,937	1,327
June	2	17,792	0	23,166	1,302
July	4	24,754	44	31,918	1,289
Aug.	6	38,012	14	45,568	1,199
Sept.	5	55,006	0	71,590	1,301
Oct.	6	51,971	0	77,253	1,486
Nov.	7	52,649	0	78,388	1,488
Dec.	7	57,038	0	88,915	1,559
	TOTAL	346,457	58	488,697	1,411

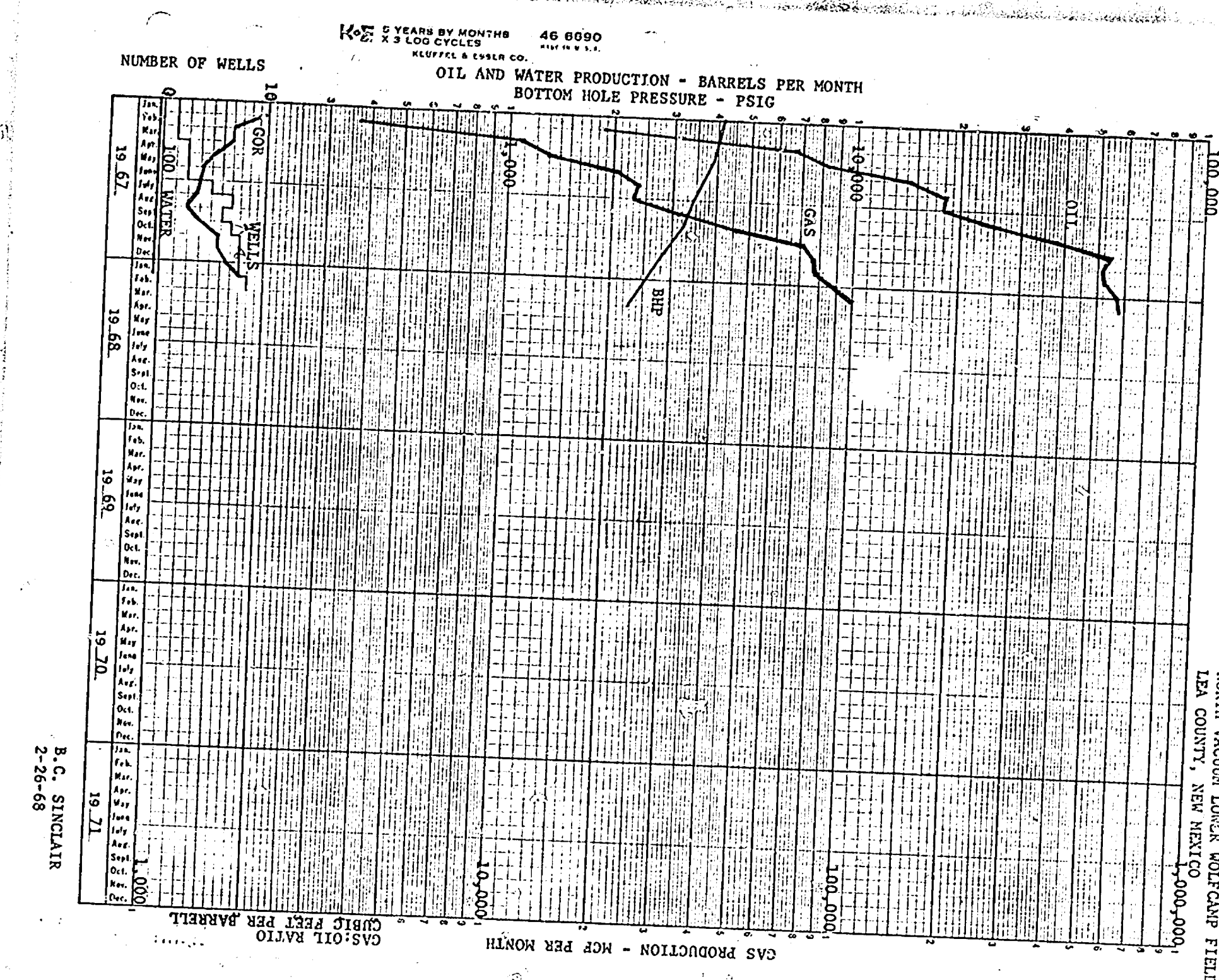
1968
Jan. 7 58,340 0 100,505 1,723
Feb. 8

Cumulative production to 2-1-68: 404,797 barrels oil
589,202 MCF gas
58 barrels water

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Case Exhibit No. 4
Case No. 353

B. C. Sinclair
2-26-68





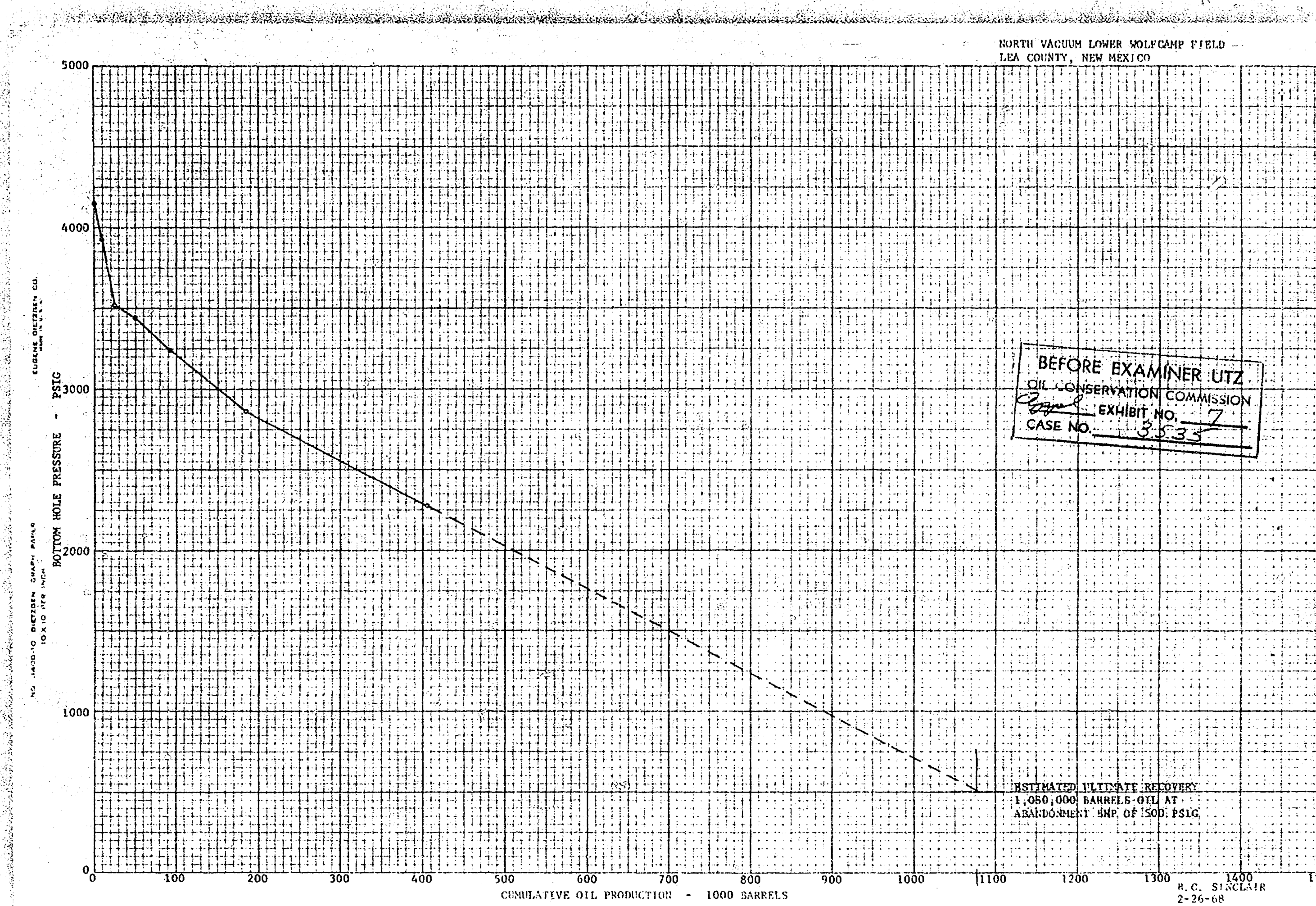
AVERAGE RESERVOIR AND FLUID PROPERTIES
NORTH VACUUM-LOWER WOLF CAMP FIELD
LEA COUNTY, NEW MEXICO

Depth	10,700 feet
Net thickness	21 feet
Porosity	10%
Permeability	5-150 md.
Water Saturation	35%
Bottom hole pressure, original	4130 psig
Bubble point pressure	3520 psig
Bottom hole temperature	154° F
Oil Gravity	42° API
Formation volume factor	1.894RB/STB
Solution gas:oil ratio	1669CF/STB
Recovery factor	22%
Reservoir energy	Solution-gas Drive

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 6
CASE NO. 3595

B. C. Sinclair
2-26-68





ECONOMICS FOR		
NORTH VACUUM LOWER WOLF CAMP FIELD		
LEA COUNTY, NEW MEXICO		
	40-Acre Spacing	80-Acre Spacing
Revenue		
1,080,000 Bbls oil @ \$3.11/Bbl.	\$3,358,800	\$3,358,800
1,620,000 MCF Gas @ \$0.057/MCF	92,340	92,340
Less Royalty @ 12.5%		
Oil @ 12.5%	419,850	419,850
Gas @ 12.5%	11,543	11,543
Less Severance Tax		
Oil @ 6.04%	177,513	177,513
Gas @ 6.40%	5,171	5,171
Total Revenue	\$2,837,063	\$2,837,063
EXPENSES		
Drilling, completion, pumping equipment @ \$200,000 per well		
16 wells (40 Acre), 8 wells (80 Acre)	\$3,200,000	\$1,600,000
Operating costs, 5 year life		
40 Acre - 16 wells @ \$6000/well/year	480,000	
80 Acre - 8 wells @ \$6000/well/year		240,000
Total Expense	\$3,680,000	\$1,840,000
Net Profit	(\$ 842,937)	\$ 997,063
Net Profit Per Well		\$ 124,633
Profit to investment ratio		.62 to 1.00

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 6
CASE NO. 2235

D. C. Sinclair
2-26-68



BOTTOM HOLE PRESSURE HISTORY
North Vacuum Lower Wolfcamp Field
Lea County, New Mexico

WELL NAME AND NO.												
Date	Type	Gall.-	Mobil-	Mara.-	Rock Is.-	Rob.-St.	Gulf-Lea	Gulf-Lea	Rock Is.-	Rock Is.-	Avg.	Cum. Oil
		State No. 1	State No. 1	State No. 1	State No. 1	Brid. "123" No. 1	PS State No. 1	PS State No. 2	"B" State No. 1	State No. 2	BHP PSIG	Prod. Bbls.
1-3-67	DST	4,136 ¹									4,136	0
1-19-67	BHP	4,083										
2-22-67	BHP	3,951									3,925	6,637
3-10-67	BHP	3,925										
4-11-67	BHP		3,734 ²								3,442	49,235
6-8-67	BHP	3,443	3,440									
7-2-67	DST			3,876 ²								
7-9-67	BHP				3,340 ²							
8-4-67	BHP	3,247	3,245	Not Tested	3,243						3,245	91,781
10-3-67	BHP	2,898	2,933	Recompl.	2,845	2,759	2,371 ³				2,859	184,799
11-25-67	BHP								3,353 ²			
2-3-68	BHP						Not Tested	Not Tested		2,899 ²		
2-4-68	BHP	2,341	2,368	-	2,231	2,095			2,356		2,278	404,797

BEFORE EXAMINER UTZ

CIL CONSERVATION COMMISSION

Exhibit No. 9

Case No. 355

1 Original reservoir pressure

2 New well

3 still building up

B. C. Sinclair

2-26-68

BEFORE EXAMINER UTZ
 CIL CONSERVATION COMMISSION
 EXHIBIT NO. 9
 CASE NO. 5535

H. C. Sinclair
 2-26-68

- 1 Original reservoir pressure
 2 New well
 3 Still building up

