

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

PERTINENT DATA

MILLER FEDERAL LEASE SWD
TOM TOM POOL
CHAVES CO., NEW MEX.

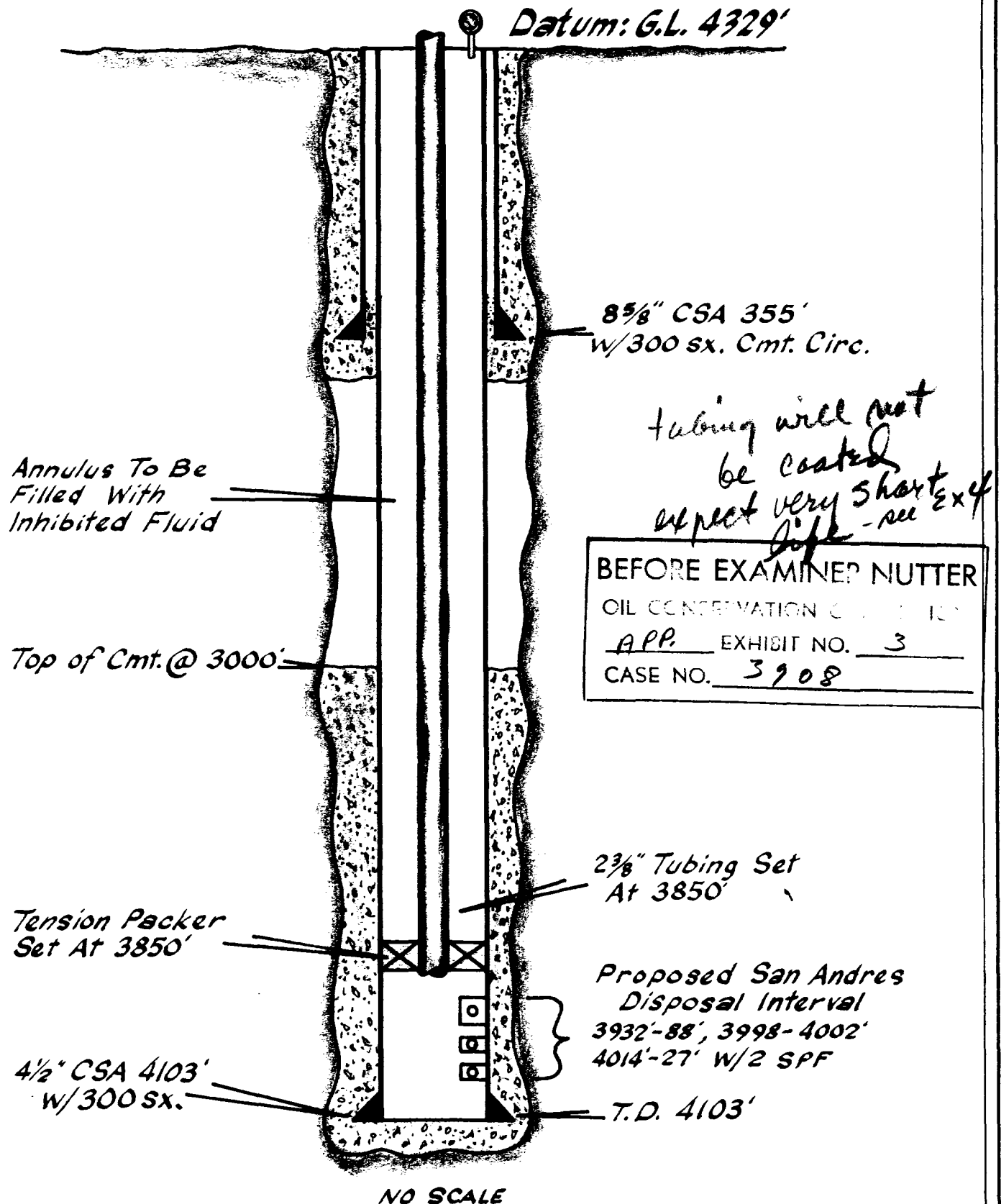
- I) a) Disposal Interval - San Andres
 - b) Depth: 3932-4027

- II) Fluid to be injected.
 - a) Produced water with a chloride content of approx. 150,000 PPM.

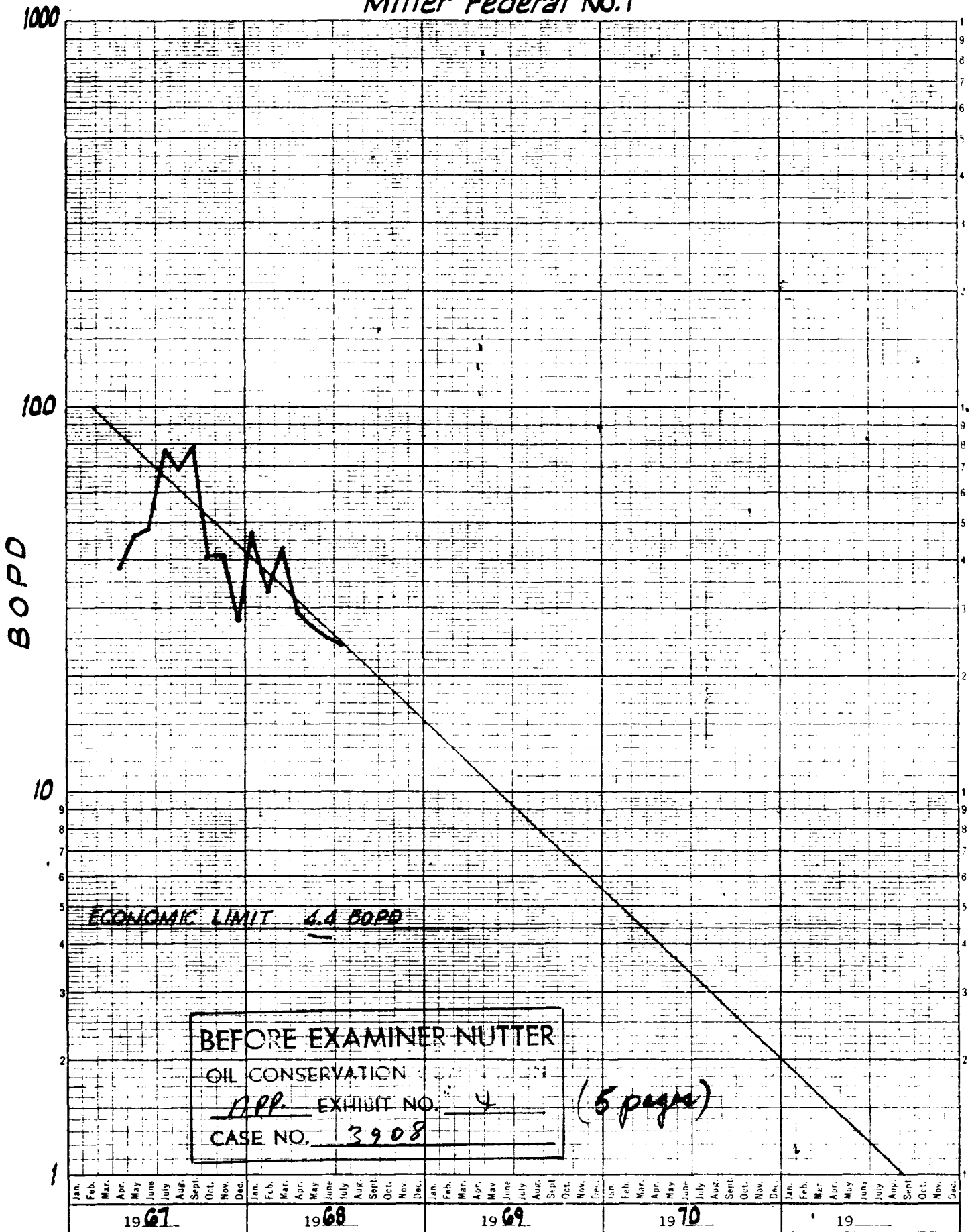
 - b) Anticipated rates: 75-150 BHPD

 - c) Source of Produced Water: Pan American Petroleum Corporation
Miller Federal Wells Nos. 1, 2, 3, and 5
(All San Andres Producers)

**MILLER FEDERAL NO. 4
TOM-TOM SAN ANDRES POOL
Chaves Co, New Mex.**



PAN AMERICAN Miller Federal No.1



PAN AMERICAN

Miller Federal No. 2

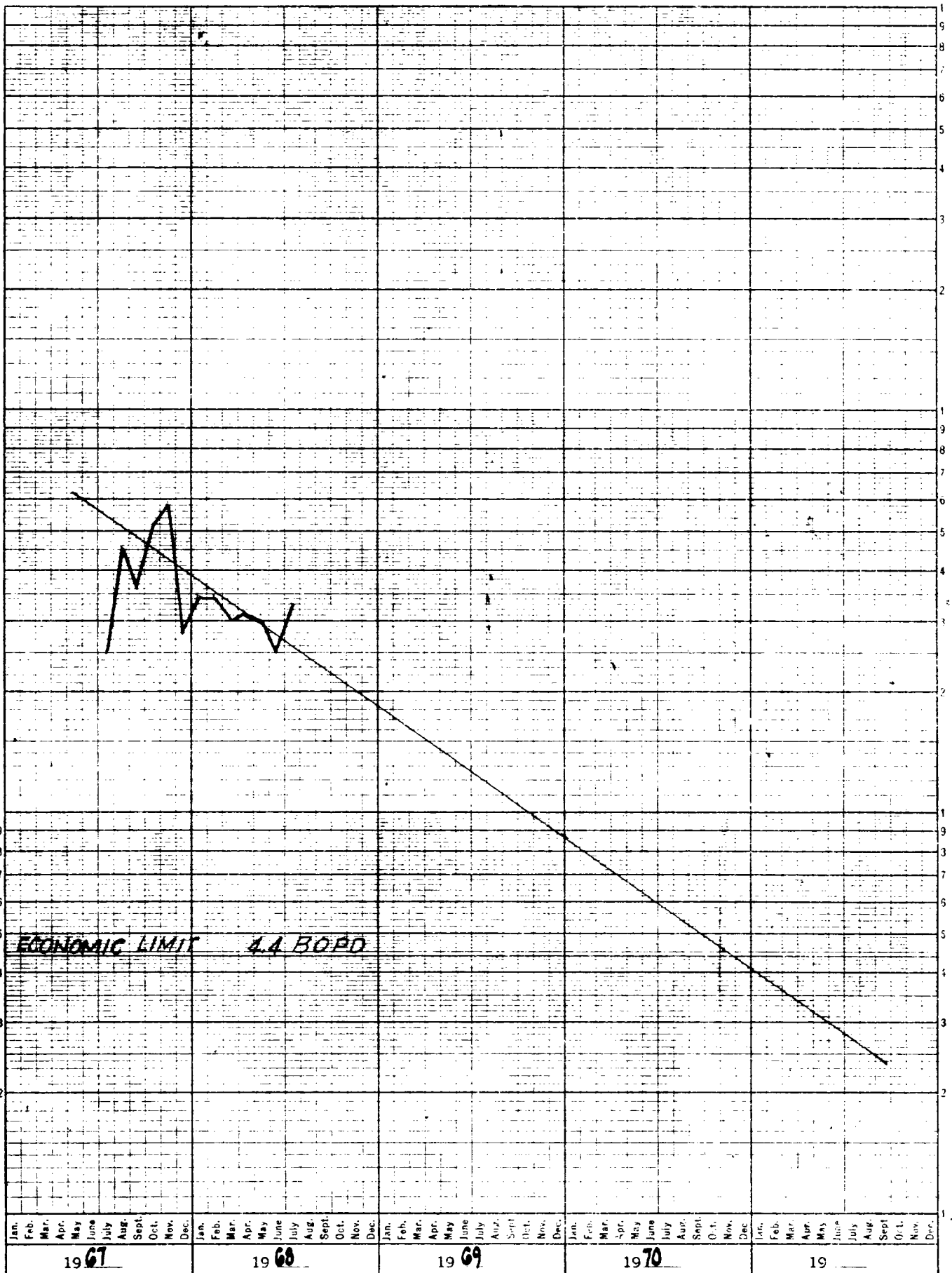
1000

BOPD

100

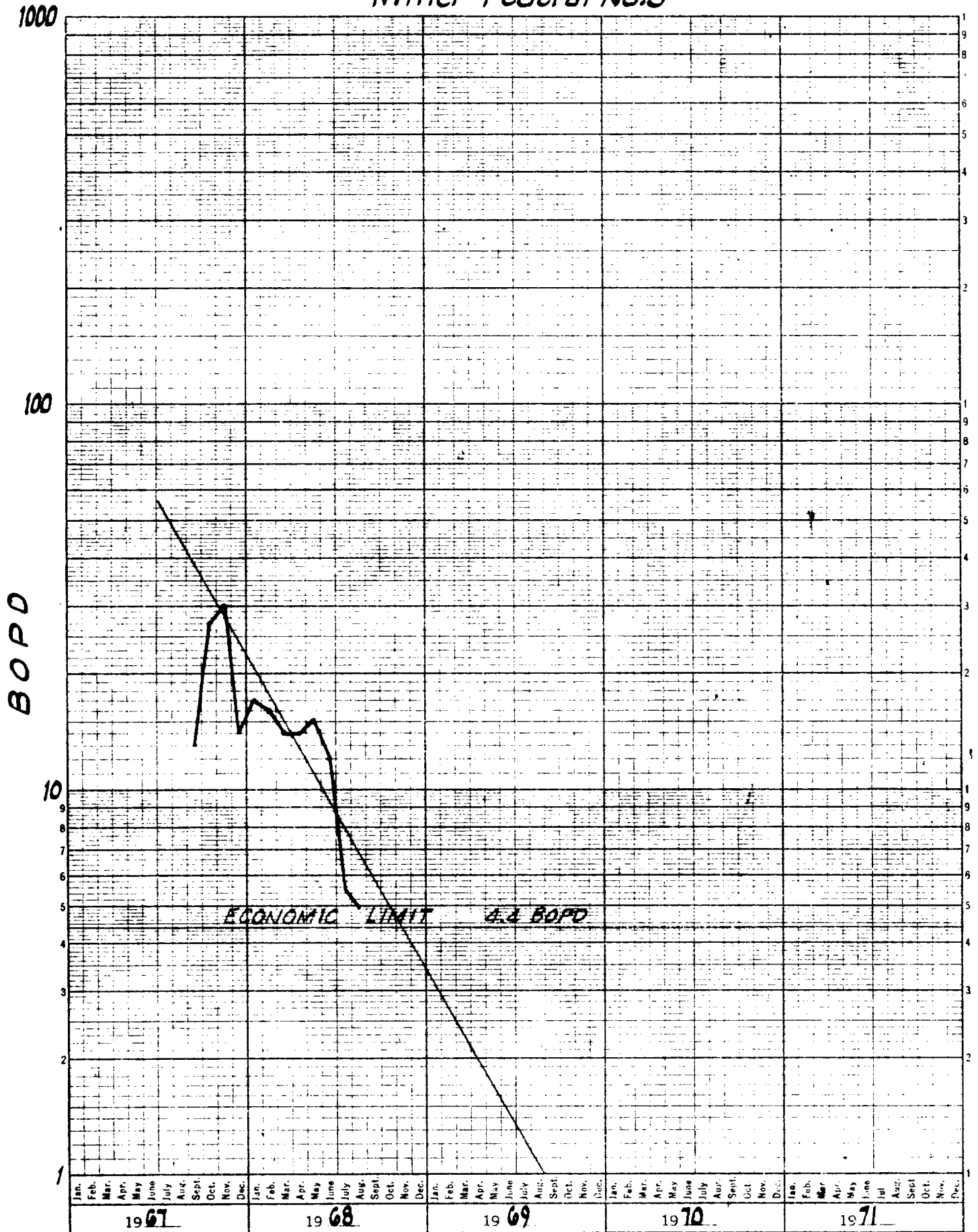
10

ECONOMIC LIMIT 4.4 BOPD



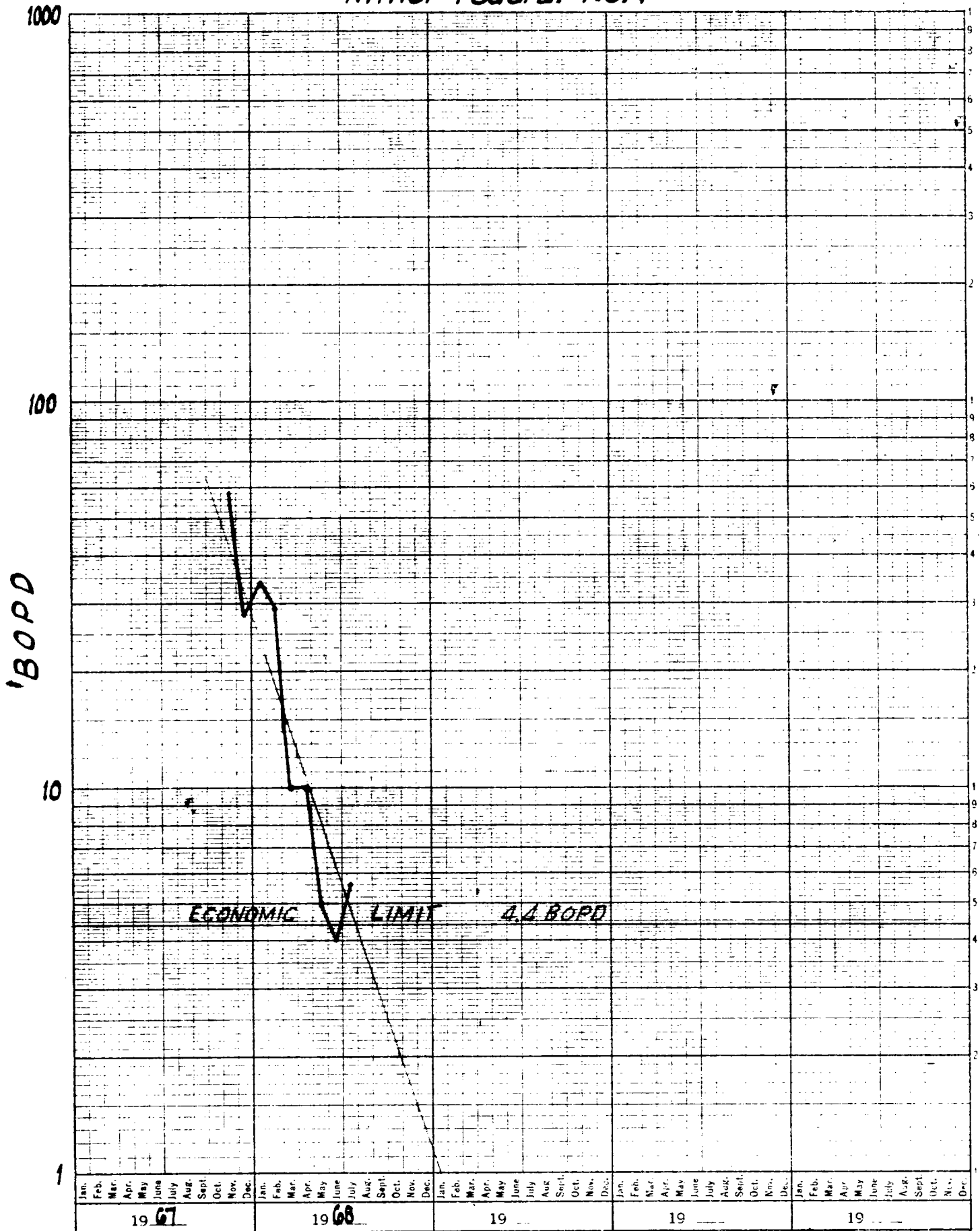
PAN AMERICAN

Miller Federal No.3



PAN AMERICAN

Miller Federal No.4



PAN AMERICAN

Miller Federal No.5

1000

100

BOPD

10

ECONOMIC LIMIT 4.4 BOPD

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19 67												19 68												19 69												19 70												19 71											



P. O. BOX 6217
ODESSA, TEXAS

Nuclear Log

FILING NO.	COMPANY <u>PAN AMERICAN PETROLEUM CORPORATION</u>	
	WELL <u>MILLER FEDERAL NO. 4</u>	
	FIELD <u>TOM TOM</u>	
	COUNTY <u>CHAVES</u> STATE <u>NEW MEXICO</u>	
LOCATION: <u>1980' FSL, & 660' FWL</u>		OTHER LOGS:
BLK. _____		
SEC. <u>35</u> TWP. <u>-7-8</u> RGE. <u>-31-E</u>		ELEVATIONS:
PERMANENT DATUM <u>GROUND LEVEL</u> ELEV. <u>4329</u>		KB. <u>4338</u>
LOG MEASURED FROM <u>9' ABOVE GROUND LEVEL</u>		DF. _____
DRILLING MEASURED FROM <u>K.D.B.</u>		GL. <u>4329</u>

DATE	10-23-67	10-23-67
RUN NO.	1-N.W.	1-N.W.
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	4083	4083
DEPTH-LOGGER	4070	4070
BOTTOM LOGGED INTERVAL	4057	4069
TOP LOGGED INTERVAL	10	10
TYPE FLUID IN HOLE	WATER	WATER
SALINITY PPM CL	---	---
DENSITY LB./GAL	---	---
LEVEL	217	217
MAX. REC. TEMP. DEG. F	---	---
OPR. RIG TIME	2 1/2 HRS.	
RECORDED BY	McEACHERN	
WITNESSED BY	MR. JIM SIMS	

RUN		BORE HOLE RECORD			CASING RECORD		
NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
	11	SURFACE	355	8 5/8		SURFACE	355
	7 7/8	355	4103	8 1/2	9.5	SURFACE	4103

THIS HEADING CONFORMS TO API STANDARD PRACTICE RP-33

EQUIPMENT DATA

GAMMA RAY								NEUTRON							
RUN NO.	1-N.W.	TOOL MODEL NO.	402	DIAM.	3 1/2	DETECT. MODEL NO.	D4G1	TYPE	SCINT.	4	LENGTH	145	DIST. TO N. SOURCE	C-933	SENSITIVITY REF.
RUN NO.	1-N.W.	LOG TYPE	N-NEUTRON	TOOL MODEL NO.	402	DETECT. MODEL NO.	D6N1	TYPE	SCINT.	4	LENGTH	145	DIST. TO N. SOURCE	C-933	SENSITIVITY REF.
RUN NO.	1-N.W.	TOOL MODEL NO.	402	DIAM.	3 1/2	DETECT. MODEL NO.	D4G1	TYPE	SCINT.	4	LENGTH	145	DIST. TO N. SOURCE	C-933	SENSITIVITY REF.
RUN NO.	1-N.W.	TOOL MODEL NO.	402	DIAM.	3 1/2	DETECT. MODEL NO.	D4G1	TYPE	SCINT.	4	LENGTH	145	DIST. TO N. SOURCE	C-933	SENSITIVITY REF.
RUN NO.	1-N.W.	TOOL MODEL NO.	402	DIAM.	3 1/2	DETECT. MODEL NO.	D4G1	TYPE	SCINT.	4	LENGTH	145	DIST. TO N. SOURCE	C-933	SENSITIVITY REF.
RUN NO.	1-N.W.	TOOL MODEL NO.	402	DIAM.	3 1/2	DETECT. MODEL NO.	D4G1	TYPE	SCINT.	4	LENGTH	145	DIST. TO N. SOURCE	C-933	SENSITIVITY REF.
RUN NO.	1-N.W.	TOOL MODEL NO.	402	DIAM.	3 1/2	DETECT. MODEL NO.	D4G1	TYPE	SCINT.	4	LENGTH	145	DIST. TO N. SOURCE	C-933	SENSITIVITY REF.

Case 3908