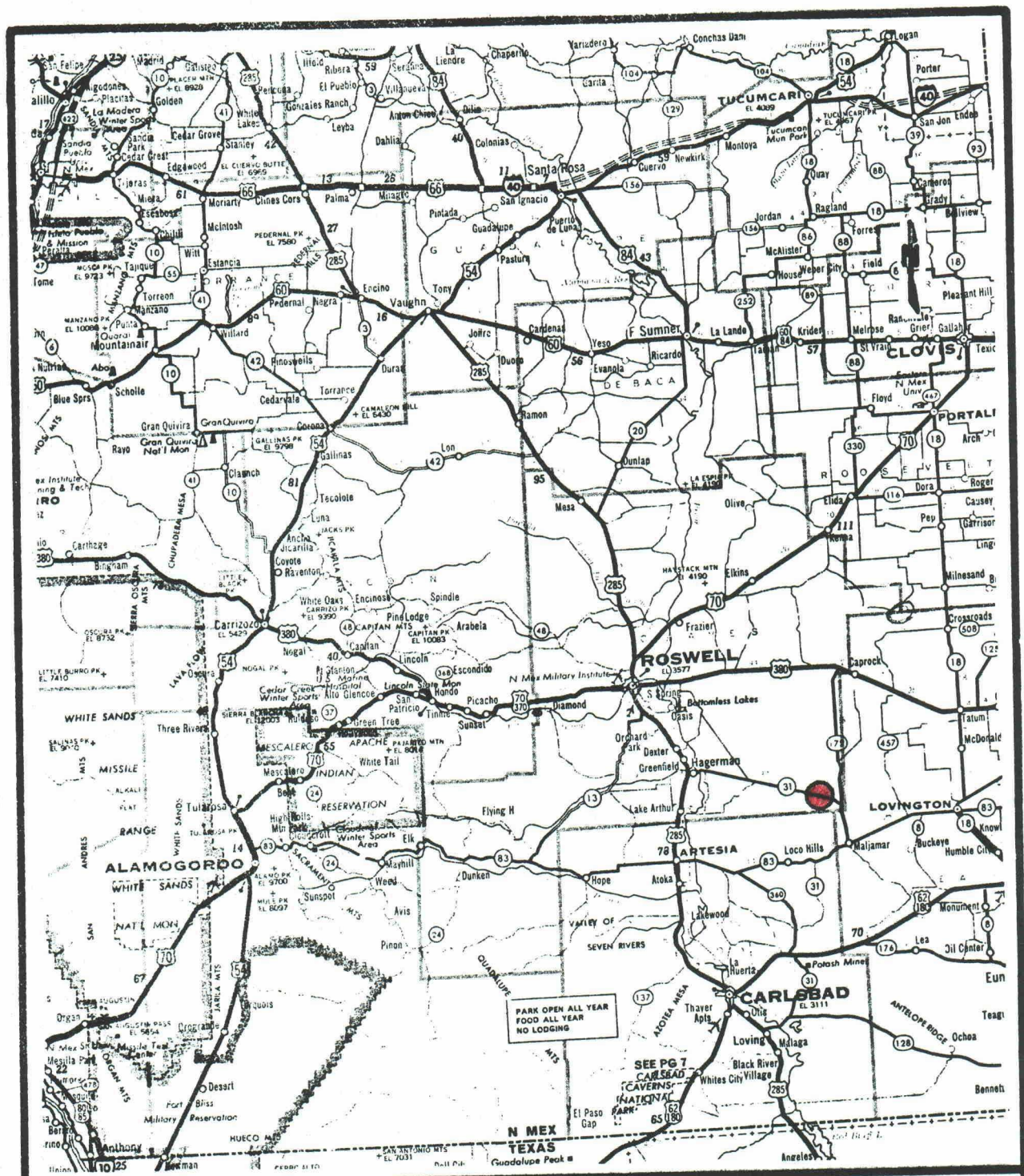




PRELIMINARY WATERFLOOD SURVEY
JACK L. McCLELLAN
SULIMAR QUEEN FIELD
CHAVES COUNTY, NEW MEXICO

GENERAL LOCATION MAP

BEFORE EXAMINER NUTTER
 OIL CONSERVATION COMMISSION
 Appx EXHIBIT NO. 1
 CASE NO. 4612



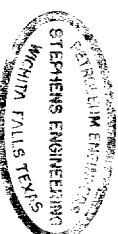
PRELIMINARY WATER FLOOD SURVEY
JACK L. MCCLELLAN
SULLIVAN QUEEN FIELD
CHAVES COUNTY, NEW MEXICO

WELL RECORDS

Operator Lease	Well No.	Compl. Date	Elev. Feet	Total Depth Feet	Producing Casing Size & Seat	TOP of Queen Subsur Ft.	Subsea Ft.	Est. Net Effective Pay-Feet	Completion Interval Feet	Producing Zone Name	Initial Treatment	Initial BOPD Potential	Initial BHP	Remarks
Jack L. McClellan Lisa-Federal "A"	1	6-13-68	3946	3510	4 1/2 @3504	1975	+1971	1 12	3290-3482	San Andres	6000 A, 60,000#	30	150	Shut-in
	2	4-2-69	3953	2008	5 1/2 @2005	1986	+1985	0 13	1972-1979	Queen	200 A, 13,000#	72	0	
	3	5-22-69	3960	2025	5 1/2 @2020	1980	+1980	0 14	1960-1992	Queen	200 A, 30,000#	100	120*	
	4	7-2-69	3936	2012	5 1/2 @2012	1975	+1961	0 14	1975-1988	Queen	200 A, 30,000#	120	80*	
	5	7-26-69	3929	2020	5 1/2 @2016	1972	+1991	0 16	1976-1988	Queen	200 A, 30,000#	70	60*	
Lisa-Federal "B"	6	8-27-69	3953	2003	5 1/2 @2003	1983	+1990	5 18	2004-2006	Queen	200 A, 25,000#	65	0	
	7	10-5-69	3924	1999	5 1/2 @1999	1956	+1968	0 16	1967-1975	Queen	250 A, 18,000#	100	0	
	8	1-17-70	3955	2025	5 1/2 @2016	1984	+1971	0 14	1980-1967	Queen	250 A, 25,000#	90	0	
	9	5-15-70	3940	1995	5 1/2 @1992	1956	+1984	0 14	1958-1969	Queen	250 A, 30,000#	146	0	
	1	4-5-66	3934	3537	5 1/2 @2060	1957	+1991	16 0	1959-1974	Queen	750 A, 20,000#	0	0	Gas Well 2,000 MCF/Day Separate Field
Lisa-Federal "C"	2	8-10-68	3970	3487	7 1/2 @2055	2028	+1982	0 2	2027-2030	Queen	200 A, 9,000#	4	75	
	3	11-1-68	3969	2045	5 1/2 @2045	2016	+1973	0 13	2013-2032	Queen	200 A, 30,000#	100	0	
	4	12-3-68	3969	2056	5 1/2 @2053	2019	+1970	0 14	2018-2034	Queen	30,000#	40	0	
	5	6-8-69	3973	2115	-	2028	+1945	0 0	-	-	-	0	0	Dry Hole
	1	6-24-68	3973	2067	7 1/2 @2063	2028	+1945	0 18	2031-2039	Queen	500 A, 30,000#	100	0	
Carthel-Federal	2	2-19-69	3954	2040	5 1/2 @2035	1988	+1966	0 13	1988-2002	Queen	30,000#	120	0	
	3	3-10-69	3955	2056	5 1/2 @2056	2013	+1942	0 6	2014-2026	Queen	200 A, 30,000#	128	0	
	4	5-2-69	3936	2038	5 1/2 @2038	1989	+1947	0 7	1989-2002	Queen	200 A, 30,000#	112	0	
	5	11-11-69	3935	2013	-	2008	+1927	0 3	-	-	-	0	0	Water 2008-2013. P & A
	1	11-18-69	3949	1975	9 5/8 @2888	1920	+2029	8 0	1919-1936	Queen	30,000#	0	0	Well was orig. deeper test.
Gutty-Federal	2	12-18-69	3940	1994	5 1/2 @1992	1953	+1987	2 7	1954-1964	Queen	200 A, 30,000#	648	0	Presently shut-in.
	1	-	3920	1915	-	1899	+2021	14 0	-	Queen	-	0	0	Gas Well
Pan American Petr. Corp. Gutty-Federal	1	9-30-68	3958	2048	4 1/2 @2048	2001	+1997	0 13	2003-2012	Queen	4200 A, 25,000#	138	171*	
	1	9-14-69	3919	1996	4 1/2 @1996	1956	+1963	0 12	1958-1970	Queen	500 A, 31,000#	72	284*	
Pan American Petr. Corp. Sullivan-Federal	2	10-23-69	3909	2014	-	2014	+1895	0 0	1+	-	-	-	-	Dry Hole - Water
	1	11-4-69	3939	2006	4 1/2 @2006	1962	+1977	0 9	1962-1968	Queen	30,000#	477	0	Gas Well
Gillies Service Oil Co. Sullivan-Federal	2	1-2-70	3935	1986	4 1/2 @1980	1939	+1996	7 1	1946-1992	Queen	30,000#	30	0	
	1	4-5-70	3935	2065	5 1/2 @2004	1972	+1963	0 8	1973-1982	Queen	500 A, 20,000#	228	59*	
Gillies Service Oil Co. Sullivan-Federal	2	6-8-70	3915	1976	NA	1954	+1962	0 8	1954-1953	Queen	500 A, 10,000#	75	0	
	3	7-16-70	3898	1995	NA	1960	+1978	0 0	-	Queen	-	-	-	Dry Hole - Water

*Load Water

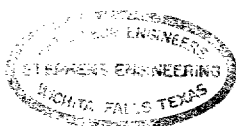
BEFORE PROCEEDING WITH
OIL CONSERVATION COMMISSION
CASE NO. EXHIBIT NO.



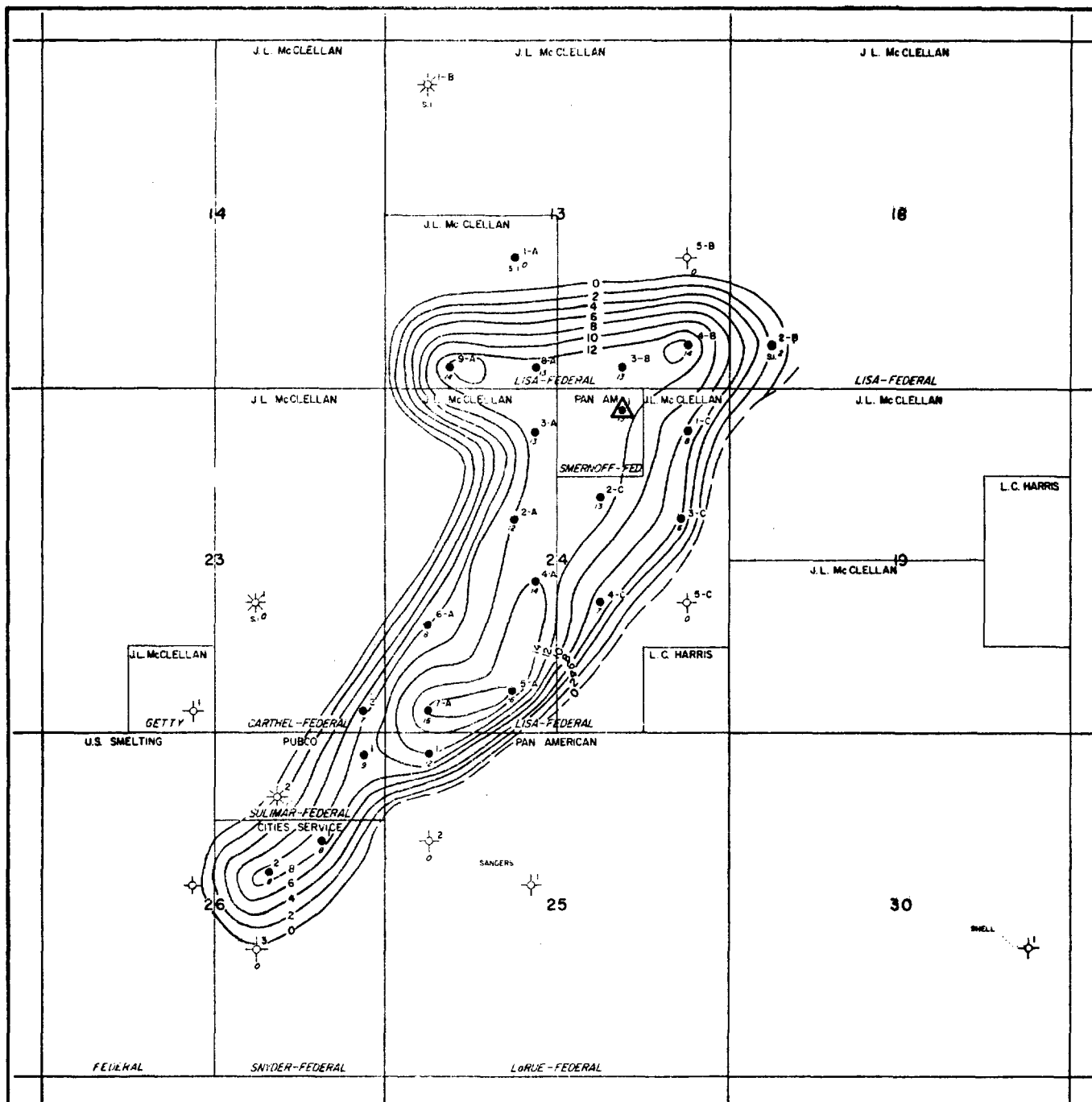
JACK L. McCLELLAN
SULIMAR QUEEN FIELD
CHAVES COUNTY, NEW MEXICO

WELL TEST SUMMARY
July, 1971

<u>Operator</u> <u>Lease</u>	<u>Well</u> <u>No.</u>	<u>Daily Production</u>		<u>Remarks</u>
		<u>Oil</u>	<u>Water</u>	
<u>Jack L. McClellan</u>				
Lisa "A"	1	-	-	Shut-in
	2	8	0	
	3	8	0	
	4	20	0	
	5	14	0	
	6	8	0	
	7	8	0	
	8	18	0	
	9	0	0	
Sub-Total		84	0	
Lisa "B"	1	-	-	Shut-in Gas
	2	-	-	Shut-in
	3	12	0	
	4	23	0	
Sub-Total		35	0	
Lisa "C"	1	11	5	
	2	25	7	
	3	41	10	
	4	28	20	
Sub-Total		105	42	
Carthel	2	0	0	Shut-in
Smernoff	1	7	1	
LaRue	1	8	140	
<u>Pubco Petroleum Corp.</u>				
Sulimar	1	8	0	Estimated
	2	$\frac{1}{9}$	$\frac{0}{0}$	Estimated
<u>Cities Service</u>				
Snyder	1	12	4	Estimated
	2	21	4	Estimated
Sub-Total		33	8	
Field Total		281	190	



BEFORE EXAMINATION
OIL FIELD RECORDS SECTION
EXHIBIT NO. 3
CASE NO. 21 11



— LEGEND —
 ● PRODUCING WELL
 ⊕ PLUGGED AND ABANDONED WELL
 ○ DRY HOLE
 ☆ GAS WELL
 S1 SHUT IN

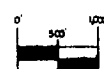
PRELIMINARY WATERFLOOD SURVEY

JACK L. MCCLELLAN
 SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO

ISOPACH MAP

CONTOURED ON
 ESTIMATED NET EFFECTIVE OIL PAY THICKNESS
 CONTOUR INTERVAL - 2 FEET

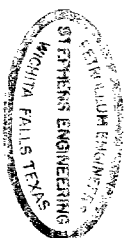
— SCALE —



BEFORE EXAMINER MUTTER
 OIL CONSERVATION DIVISION
 EXHIBIT NO. 2
 CASE NO. 72-11

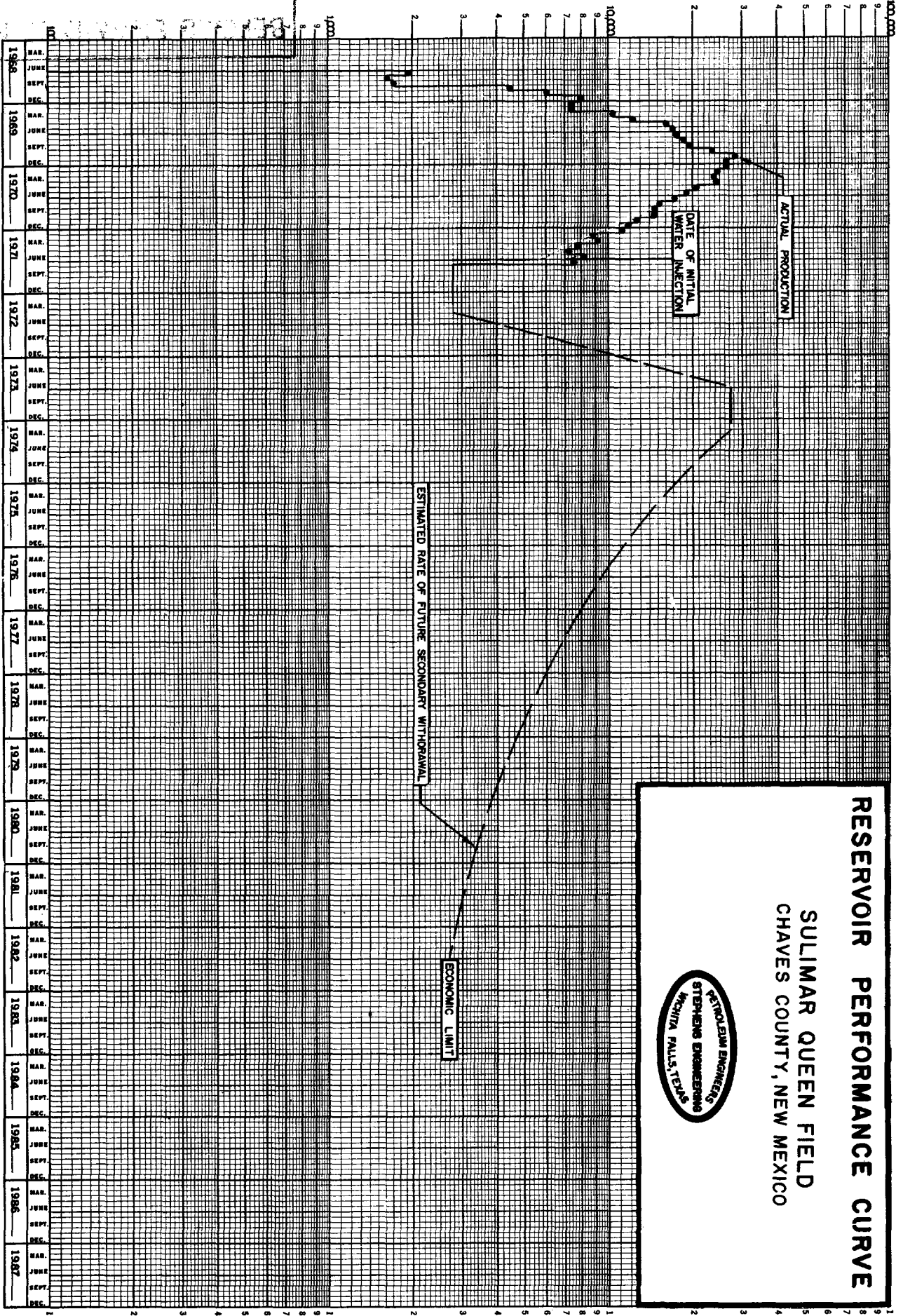
PRELIMINARY WATER FLOOD SURVEY
 JACK L. MCCLELLAN
 SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO
 OIL PRODUCTION HISTORY

Operator Lease	Cities Service Oil Co. Monthly Oil Production Bbls.	Jack L. McClellan Monthly Oil Production Bbls.	Jack L. McClellan Monthly Oil Production Bbls.	Jack L. McClellan Monthly Oil Production Bbls.	Jack L. McClellan Monthly Oil Production Bbls.	Jack L. McClellan Monthly Oil Production Bbls.	Jack L. McClellan Monthly Oil Production Bbls.	Public Petr. Corp. Monthly Oil Production Bbls.	Field Total
1968									
Jul			384	1,541					1,925
Aug			188	1,434					1,622
Sep			149	1,560					1,709
Oct			138	2,445					4,433
Nov				2,303					6,107
Dec				2,273					7,983
Year Sub-Total			859	11,556					23,799
1969									
Jan			300	1,842					7,264
Feb			188	2,583					7,274
Mar			300	5,329					10,585
Apr			1,188	5,987					12,050
May			4,003	8,798					16,076
Jun			5,151	8,189					17,093
Jul			6,743	7,945					17,707
Aug			7,446	7,864					18,843
Sep			10,238	8,122					20,668
Oct			12,615	7,862					23,275
Nov			12,070	8,248					28,114
Dec									26,731
Year Sub-Total			580	82,114					205,680
1970									
Jan			871	7,571					27,223
Feb			849	5,735					24,813
Mar			427	6,073					23,954
Apr			258	5,689					23,704
May			114	4,913					21,248
Jun			5	5,002					19,151
Jul			3,020	4,750					17,313
Aug			3,119	4,676					15,522
Sep			2,748	4,645					14,506
Oct			2,628	4,915					14,518
Nov			2,270	4,413					14,770
Dec			1,910	4,005					11,986
Year Sub-Total			580	59,754					205,680
1971									
Jan			1,684	3,722					11,372
Feb			1,235	2,773					8,922
Mar			1,433	3,014					9,256
Apr			1,106	2,937					7,928
May			1,177	2,316					7,393
Jun			1,085	2,126					8,241
Jul			997	2,067					7,507
Year Sub-Total			0	13,555					60,619
Lease Total			32,709	169,482					516,812



OIL CONSERVATION COMMISSION
 EXHIBIT NO. 7
 CASE NO. 318

OIL PRODUCTION—BARRELS PER MONTH

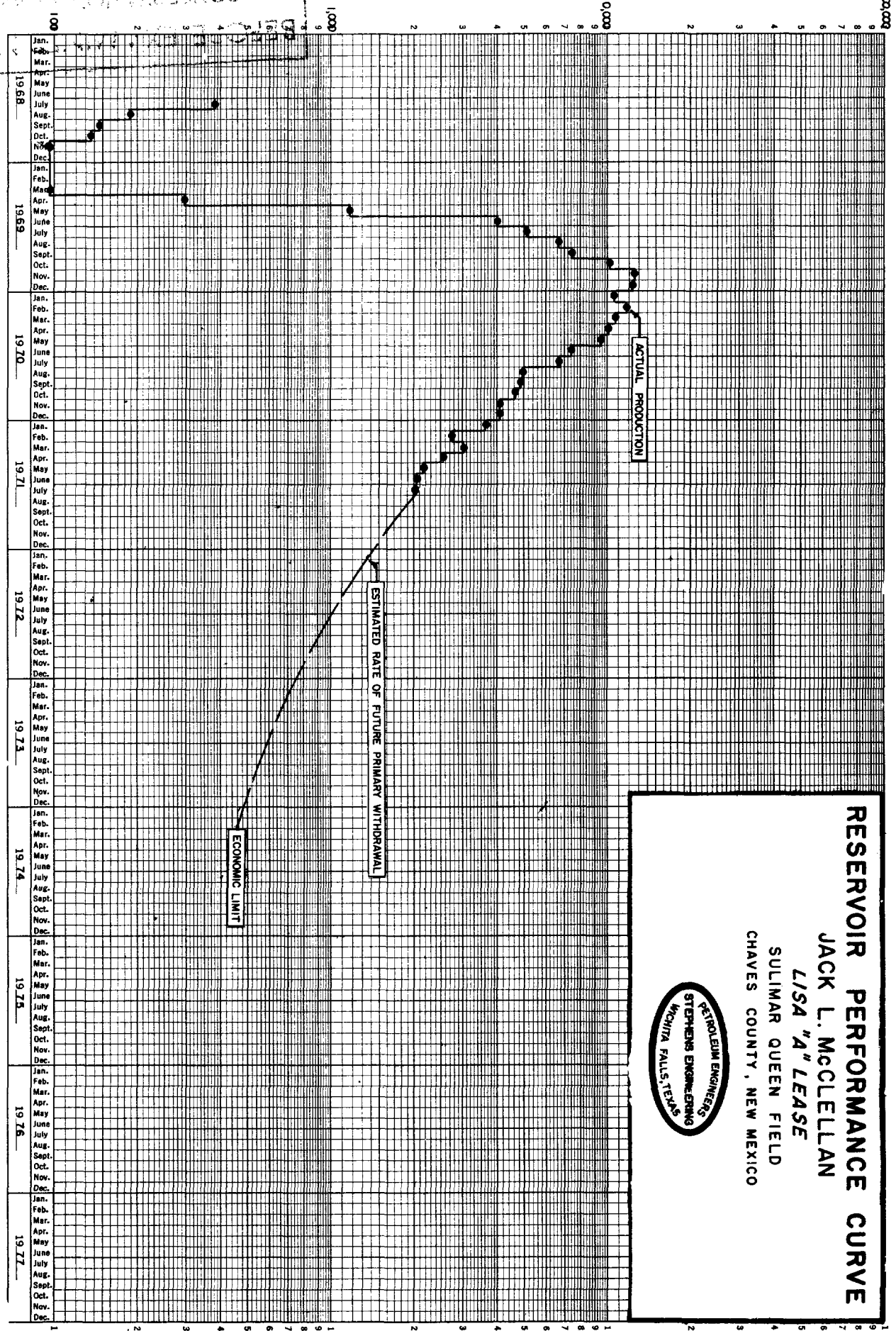


RESERVOIR PERFORMANCE CURVE
SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO



CASE NO. 4777
EXHIBIT NO. 1
OIL CONSERVATION

OIL PRODUCTION—BARRELS PER MONTH

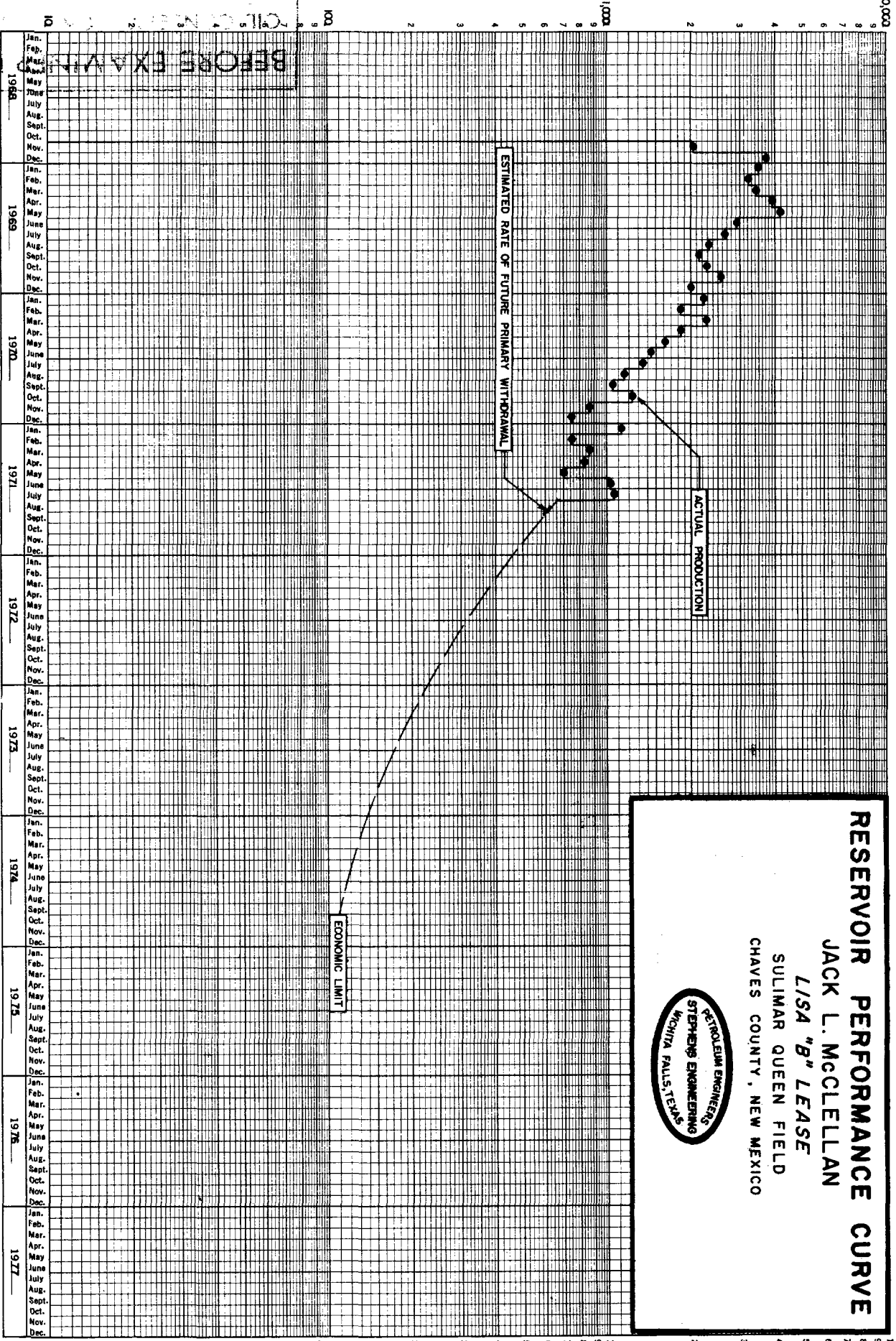


RESERVOIR PERFORMANCE CURVE
JACK L. MCCLELLAN
LISA "A" LEASE
SULIMAR QUEEN FIELD
CHAVES COUNTY, NEW MEXICO



CASE NO. _____
 EXHIBIT NO. _____
 OIL OF NEW MEXICO
 MATTER

OIL PRODUCTION—BARRELS PER MONTH



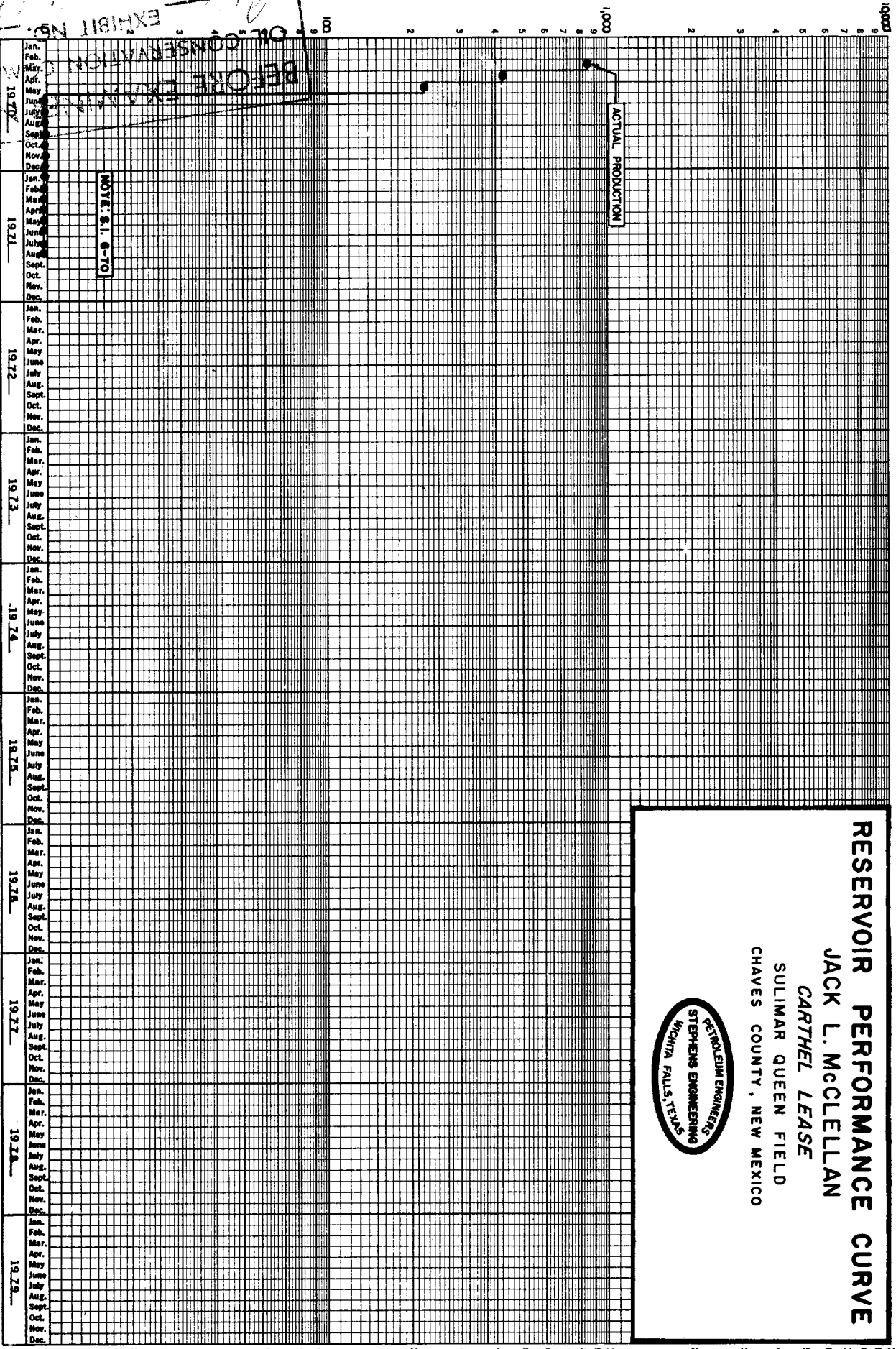
RESERVOIR PERFORMANCE CURVE
 JACK L. MCCLELLAN
 LISA "B" LEASE
 SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO



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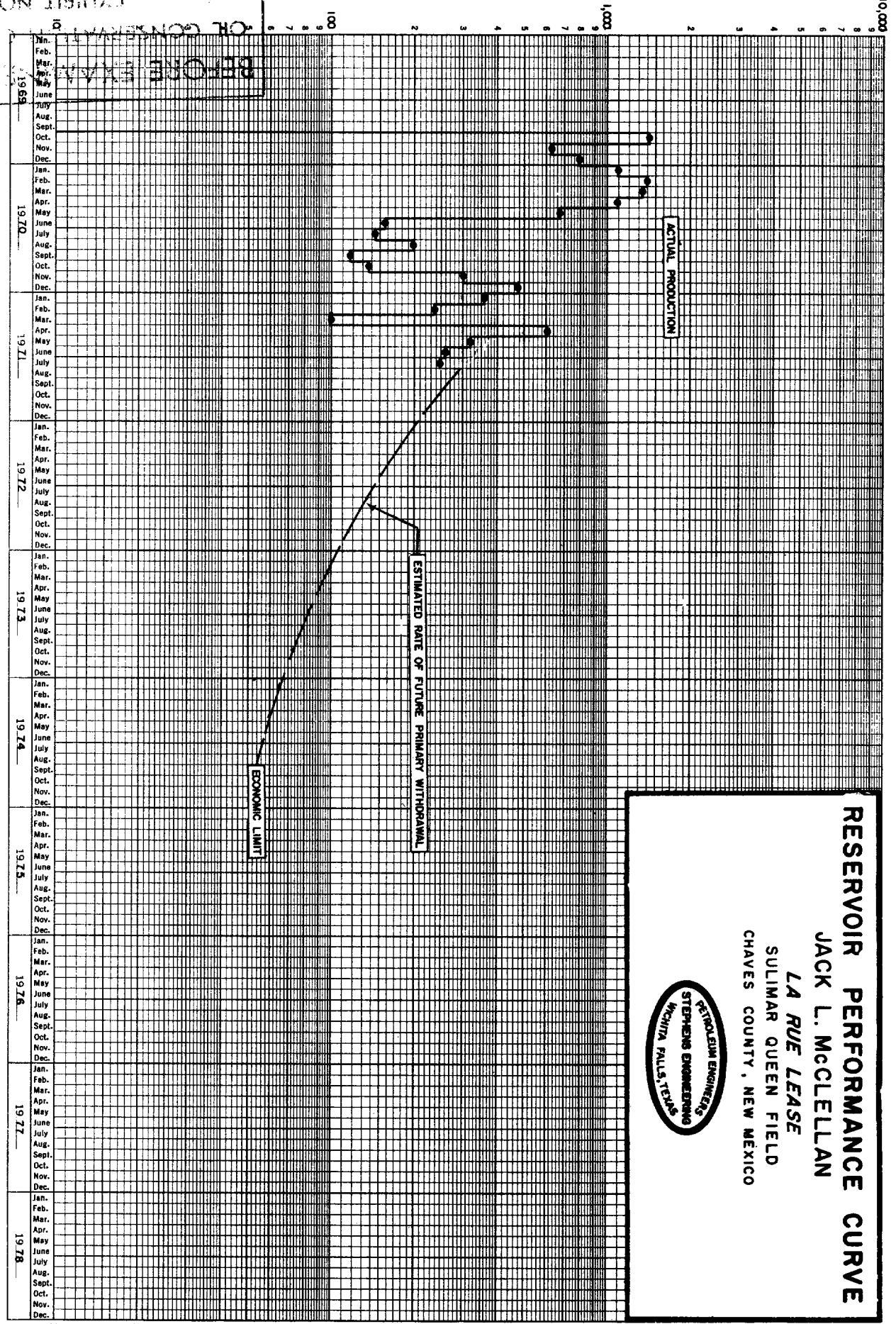
CASE NO. 11
 EXHIBIT NO. 11
 OIL PRODUCTION—BARRELS PER MONTH
 BEFORE EXAMINATION
 OIL CONSERVATION COMMISSION



RESERVOIR PERFORMANCE CURVE
JACK L. MCCLELLAN
CARTHEL LEASE
SULIMAR QUEEN FIELD
CHAVES COUNTY, NEW MEXICO

CASE NO. 1119
 EXHIBIT NO. 12
 OF CONSERVATION
 BEFORE EXAMINER

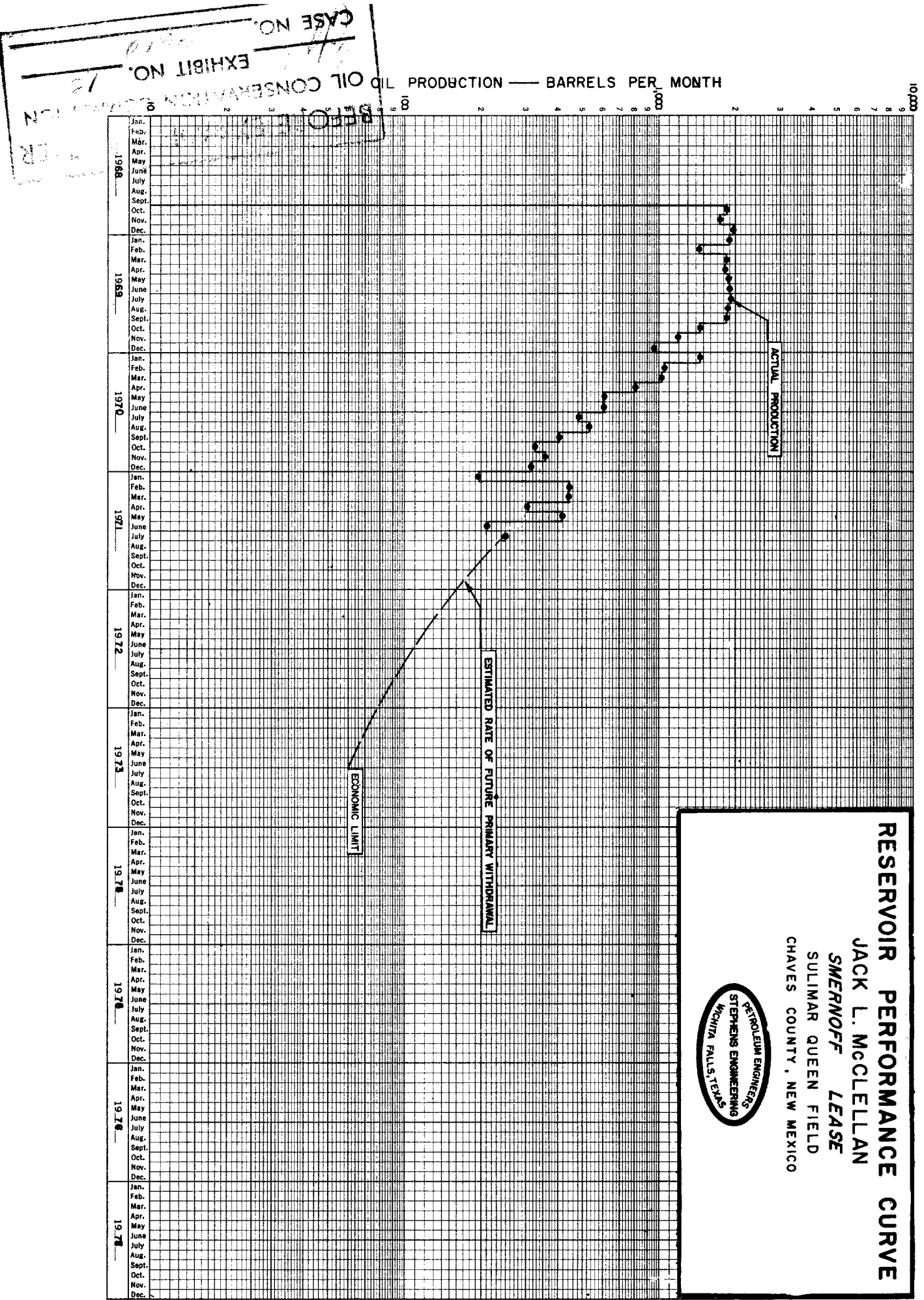
OIL PRODUCTION — BARRELS PER MONTH



RESERVOIR PERFORMANCE CURVE
 JACK L. MCCLELLAN
 LA RUE LEASE
 SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO



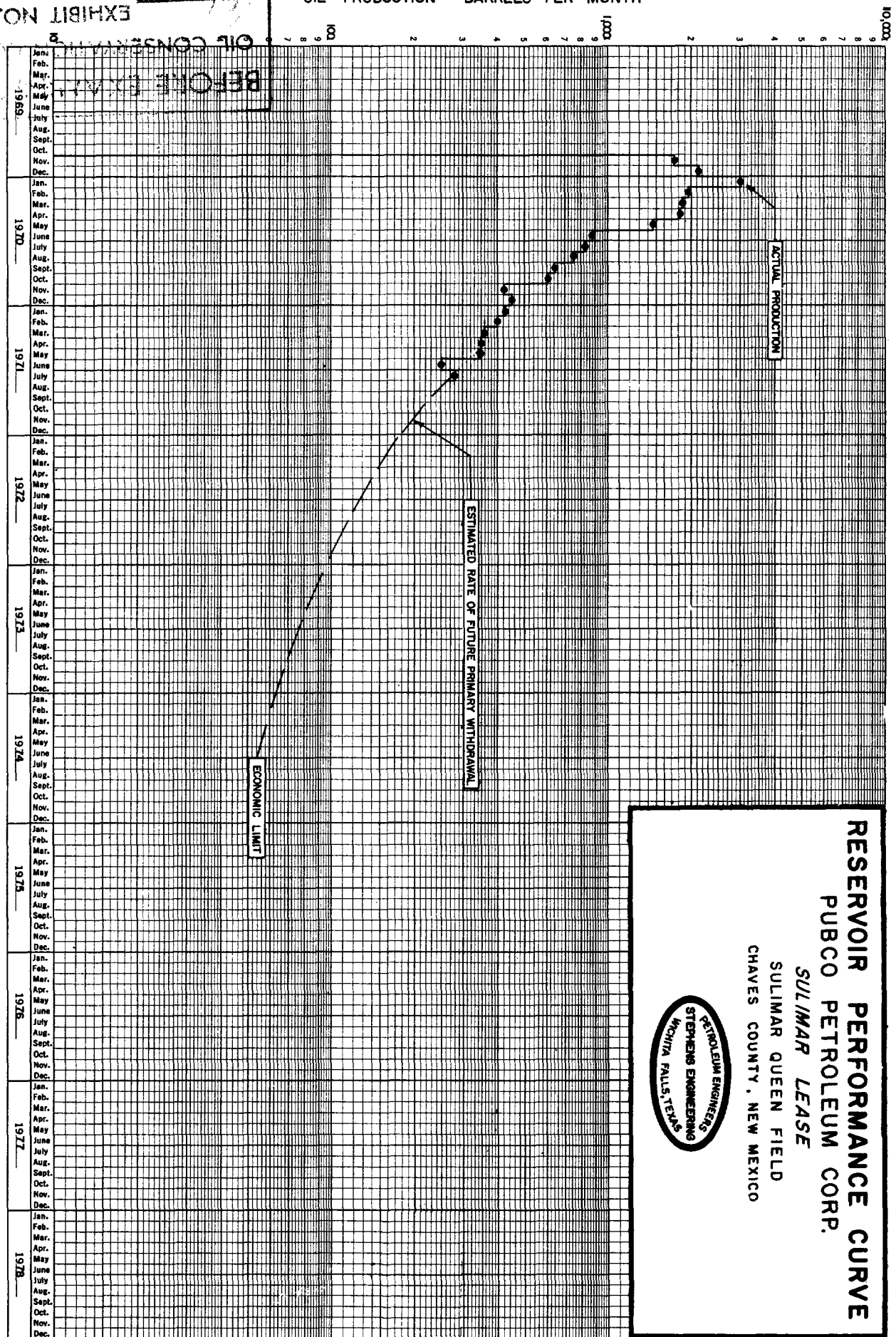
CASE NO. 12
 EXHIBIT NO. 12
 OIL CONSERVATION



RESERVOIR PERFORMANCE CURVE
 JACK L. MCCLELLAN
 SMERNOFF LEASE
 SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO

RETROLEUM ENGINEERS
 STEPHENS ENGINEERING
 WICHITA FALLS, TEXAS

OIL PRODUCTION—BARRELS PER MONTH



RESERVOIR PERFORMANCE CURVE

PUBCO PETROLEUM CORP.

SULIMAR LEASE

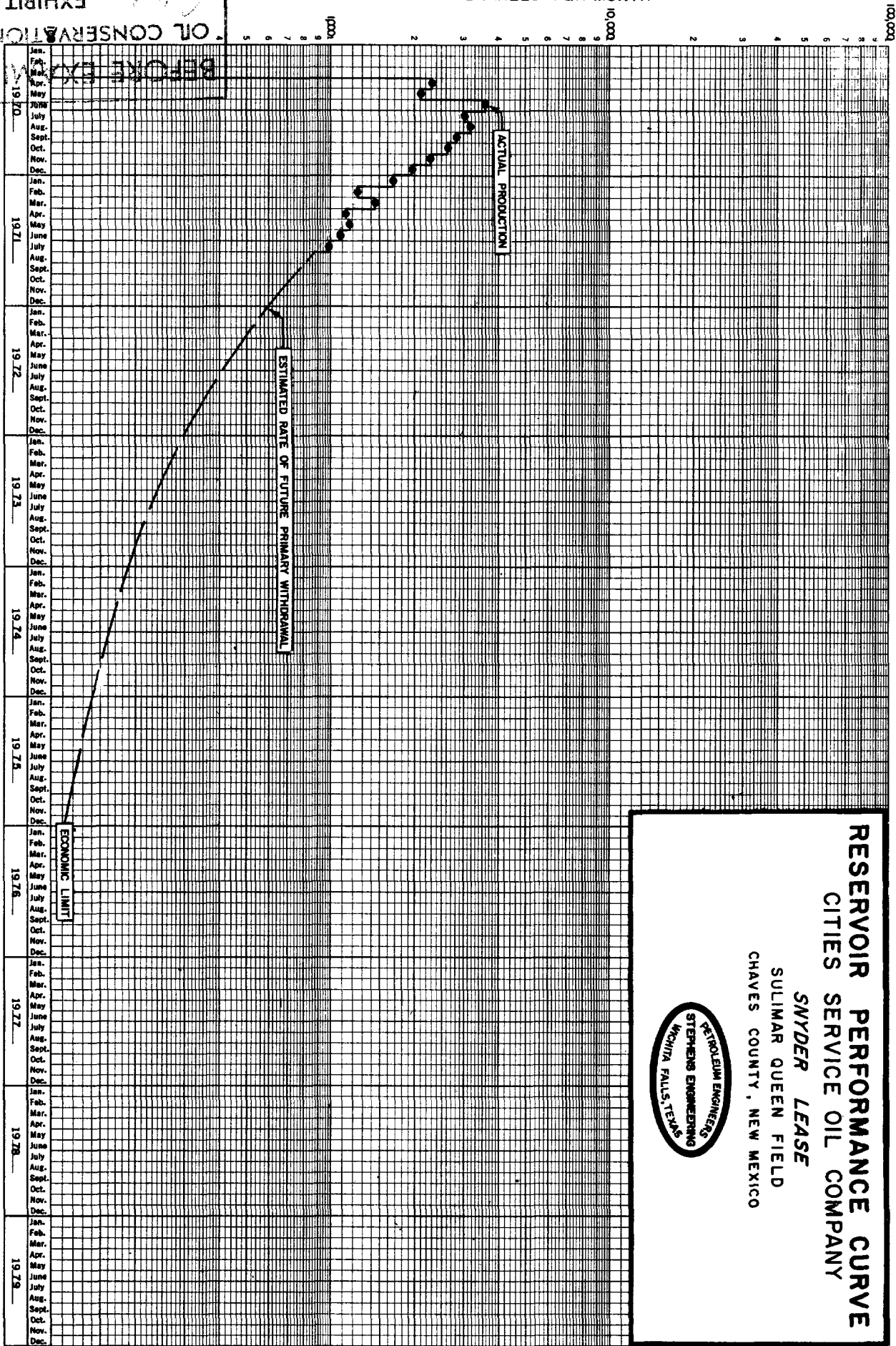
SULIMAR QUEEN FIELD

CHAVES COUNTY, NEW MEXICO



CASE NO. 4647
 EXHIBIT NO. 1
 OIL CONSERVATION COMMISSION
 BEFORE EXAMINER NUT

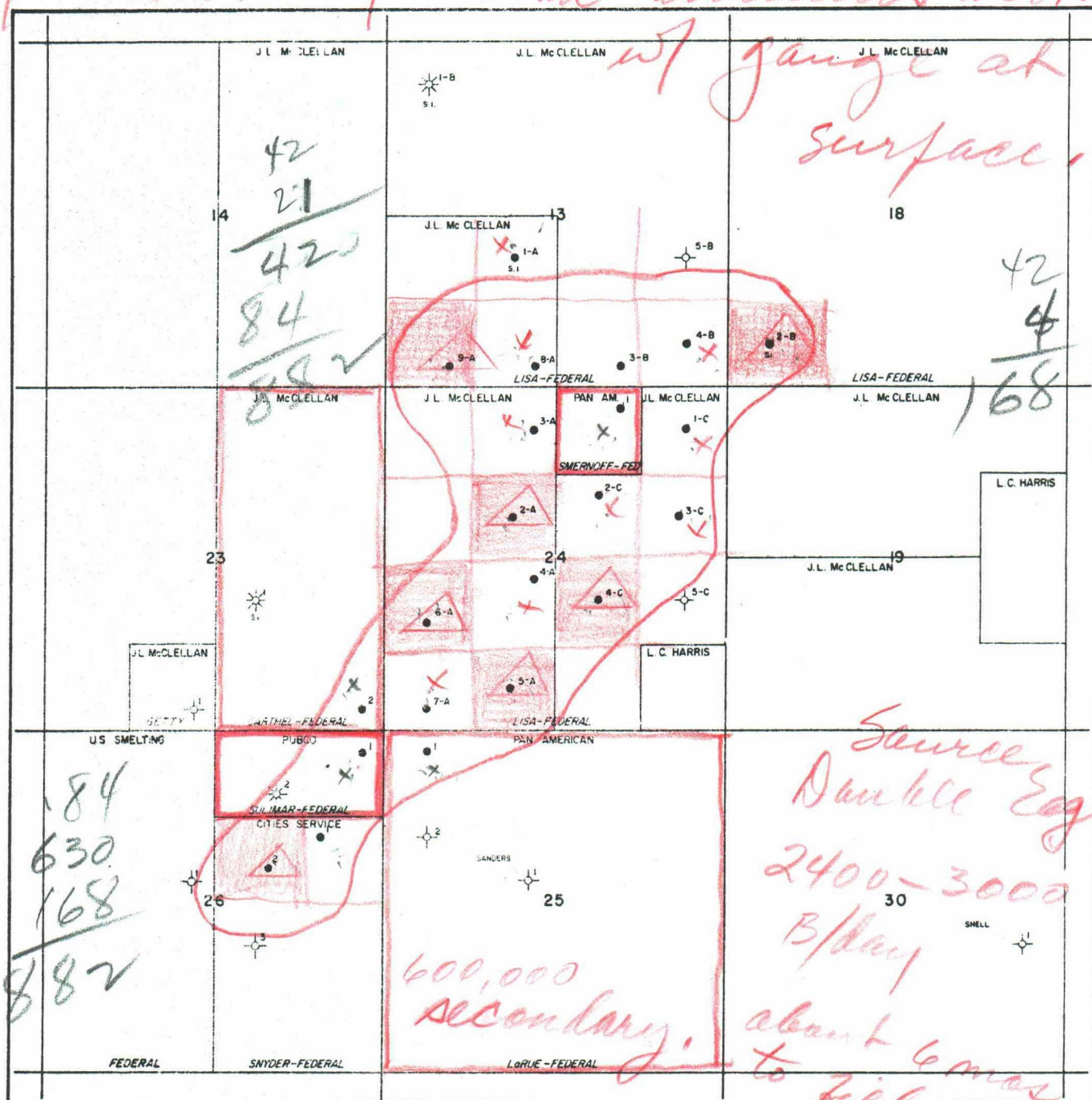
OIL PRODUCTION—BARRELS PER MONTH



RESERVOIR PERFORMANCE CURVE
 CITIES SERVICE OIL COMPANY
 SNYDER LEASE
 SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO



no plastic tubing, packer 50' above
 central injection
 by water treatment
 prod interval,
 load annulus with
 w/ gauge at
 surface.



PRELIMINARY WATERFLOOD SURVEY
 JACK L. McCLELLAN
 SULIMAR QUEEN FIELD
 CHAVES COUNTY, NEW MEXICO
 WATERFLOOD SURVEY MAP

LEGEND
 ● PRODUCING WELL
 ✕ PLUGGED AND ABANDONED WELL
 ☆ DRY HOLE
 ☼ GAS WELL
 SI SHUT IN

SCALE
 0 500 1000

PETROLEUM ENGINEER
 STEPHENS ENGINEERING
 WICHITA FALLS, TEXAS

BEFORE EXAMINER MUTTER
 OIL CONSERVATION COMMISSION
 EXHIBIT NO. 14
 CASE NO. 4610

McClellan Lisa
 Project
 6 inj 40's
 9 prod 40's

Cities proj
 1 inj 40'
 1 prod 40'
 2 x 42 = 84

42
 15
 210
 42
 630

15

LEASE NAME AND NUMBER

DESCRIPTION

LISA "A" FEDERAL

NM-069280-A

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 13: SW $\frac{1}{4}$ SEC. 24: W $\frac{1}{2}$ TOWNSHIP 15 SOUTH, RANGE 30 EASTSEC. 19: LOTS 3 & 4, E $\frac{1}{2}$ SW $\frac{1}{4}$,
W $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

LISA "B" FEDERAL

NM-069280-B

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 13: N $\frac{1}{2}$, SE $\frac{1}{4}$ TOWNSHIP 15 SOUTH, RANGE 30 EAST

SEC. 18: ALL

SEC. 19: LOTS 1 & 2, E $\frac{1}{2}$ NW $\frac{1}{4}$,
SW $\frac{1}{4}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ NE $\frac{1}{4}$

LISA "C" FEDERAL

NM-069280-C

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 24: S $\frac{1}{2}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ NE $\frac{1}{4}$,
N $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$

CARTHEL FEDERAL

NM-0556543

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 23: E $\frac{1}{2}$

SMERNOFF FEDERAL

NM-0558684

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 24: NW $\frac{1}{4}$ NE $\frac{1}{4}$

LARUE FEDERAL

NM-0518428

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 25: N $\frac{1}{2}$ NW $\frac{1}{4}$

SULIMAR FEDERAL

NM-0458356

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 26: N $\frac{1}{2}$ NE $\frac{1}{4}$

SNYDER FEDERAL

NM-0493370

TOWNSHIP 15 SOUTH, RANGE 29 EASTSEC. 26: N $\frac{1}{2}$ SE $\frac{1}{4}$

BEFORE EXAMINER KUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. _____

CASE NO. _____

<u>WELL</u>	<u>UNIT</u>	<u>SEC.</u>	<u>TWP.</u>	<u>RNG.</u>	
JACK L. McCLELLAN LISA FED. 9-A ✓	M	13	15S	29E	✓
JACK L. McCLELLAN LISA FED. 2-B ✓	M	18	15S	30E	
JACK L. McCLELLAN LISA FED. 2-A ✓	F	24	15S	29E	✓
JACK L. McCLELLAN LISA FED. 6-A ✓	L	24	15S	29E	✓
JACK L. McCLELLAN LISA FED. 4-C ✓	J	24	15S	29E	✓
JACK L. McCLELLAN LISA FED. 5-A ✓	N	24	15S	29E	✓
CITIES SERVICE SNYDER FED. 2	G	26	15S	29E	✓

MORE EXAMINED MUTTER
 OIL COMPANY LOCATION
 EXHIBIT NO. 10
 CASE NO. 46100