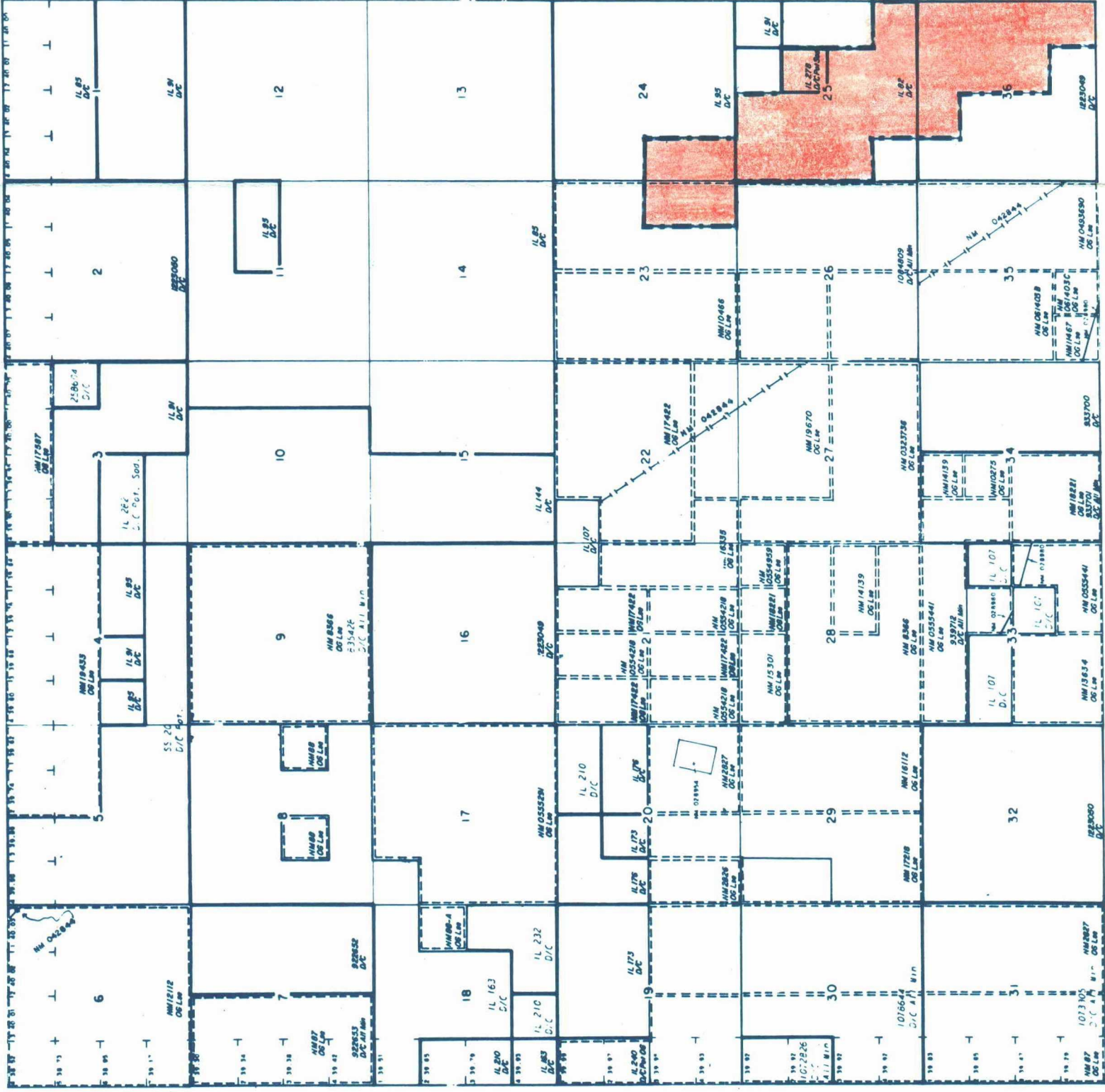


TOWNSHIP 14 SOUTH, RANGE 29 EAST, OF THE NEW MEXICO PRIN. MERIDIAN, NEW MEXICO.

CHAVES COUNTY - 005

STATUS OF PUBLIC DOMAIN
LAND AND MINERAL TITLES

OG PLAT



Scale 1" = 1 Mile
N. 1/4 Sec. 34, T. 14 S., R. 29 E., Chaves County, N.M.

INDEX TO SEPARATE PLATS
PLAT NO.
SEC.
3000 - 500

NOTES: 1. THE PLAT IS A REPRODUCTION OF THE ORIGINAL PLAT AS FILED IN THE PUBLIC DOMAIN OFFICE, SANTA FE, NEW MEXICO.

2. THE PLAT IS A REPRODUCTION OF THE ORIGINAL PLAT AS FILED IN THE PUBLIC DOMAIN OFFICE, SANTA FE, NEW MEXICO.

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18. THE PLAT IS A REPRODUCTION OF THE ORIGINAL PLAT AS FILED IN THE PUBLIC DOMAIN OFFICE, SANTA FE, NEW MEXICO.

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SANTA FE, NEW MEXICO

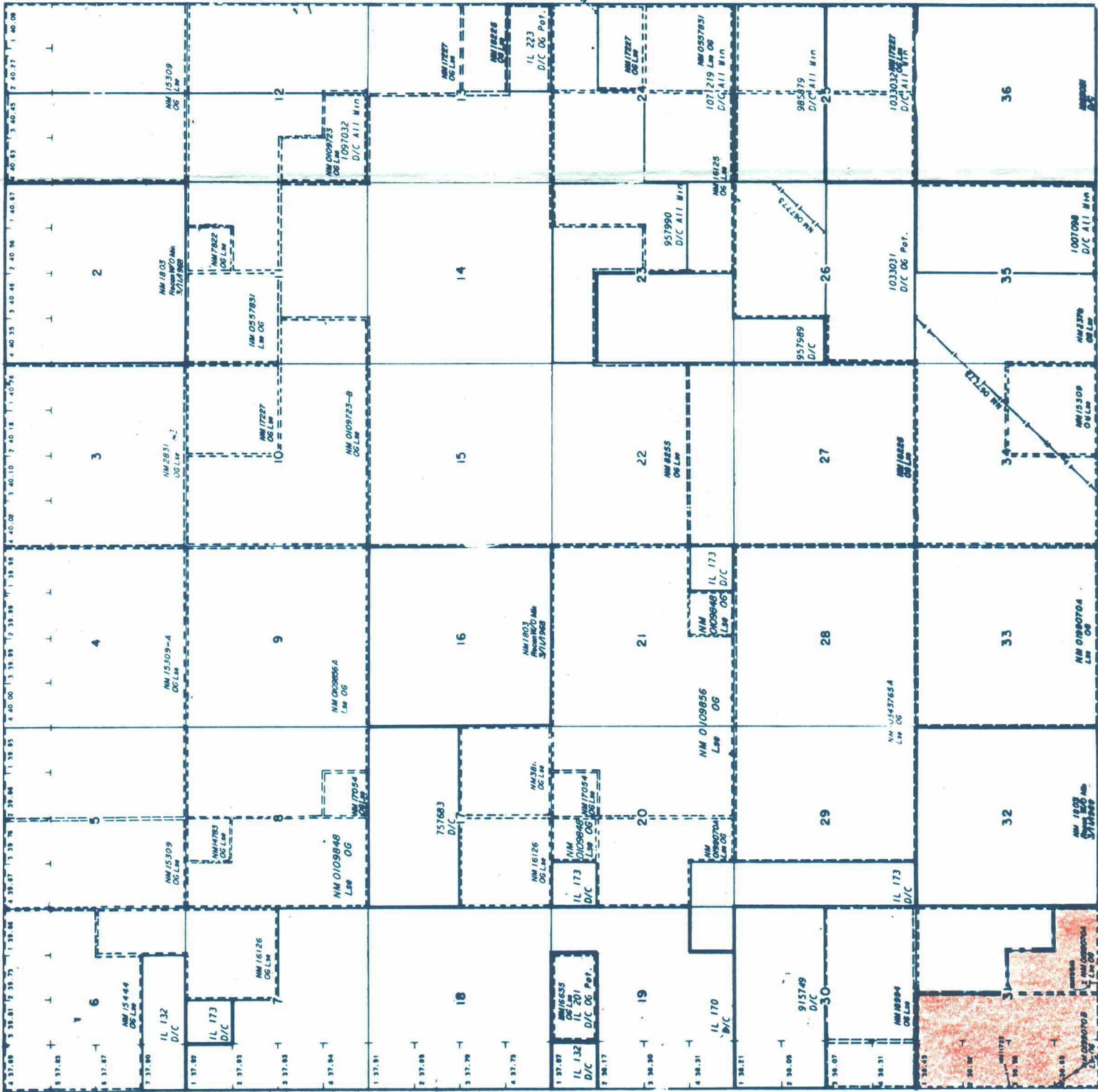
T 14 S
R 29 E

TOWNSHIP 14 SOUTH, RANGE 30 EAST, OF THE NEW MEXICO PRIN. MERIDIAN, NEW MEXICO.

CHAVES COUNTY - 005

STATUS OF PUBLIC DOMA:
LAND AND MINERAL TITLES

OG PLAT



INDEX TO SEGREGATED TRACTS			
TRACT NO.	T	R	SEC.
1	14	30	1
2	14	30	2
3	14	30	3
4	14	30	4
5	14	30	5
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8	14	30	8
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36	14	30	36

FOR ORDERS EFFECTING DISPOSITION, OR USE OF UNDEVELOPED
LANDS WITHIN THE PUBLIC DOMAIN, MINERALS, WATER
AND/OR OTHER PUBLIC PURPOSES, REFER TO INDEX OF
MISCELLANEOUS DOCUMENTS.

ALL T.P. INCLUDED IN:

TO SEC. 14 T. 14 S. R. 30 E. S. 1/11/1982

NM 929 30-08-02-01 of Public Lands

NM 929 30-08-02-01 of Public Lands

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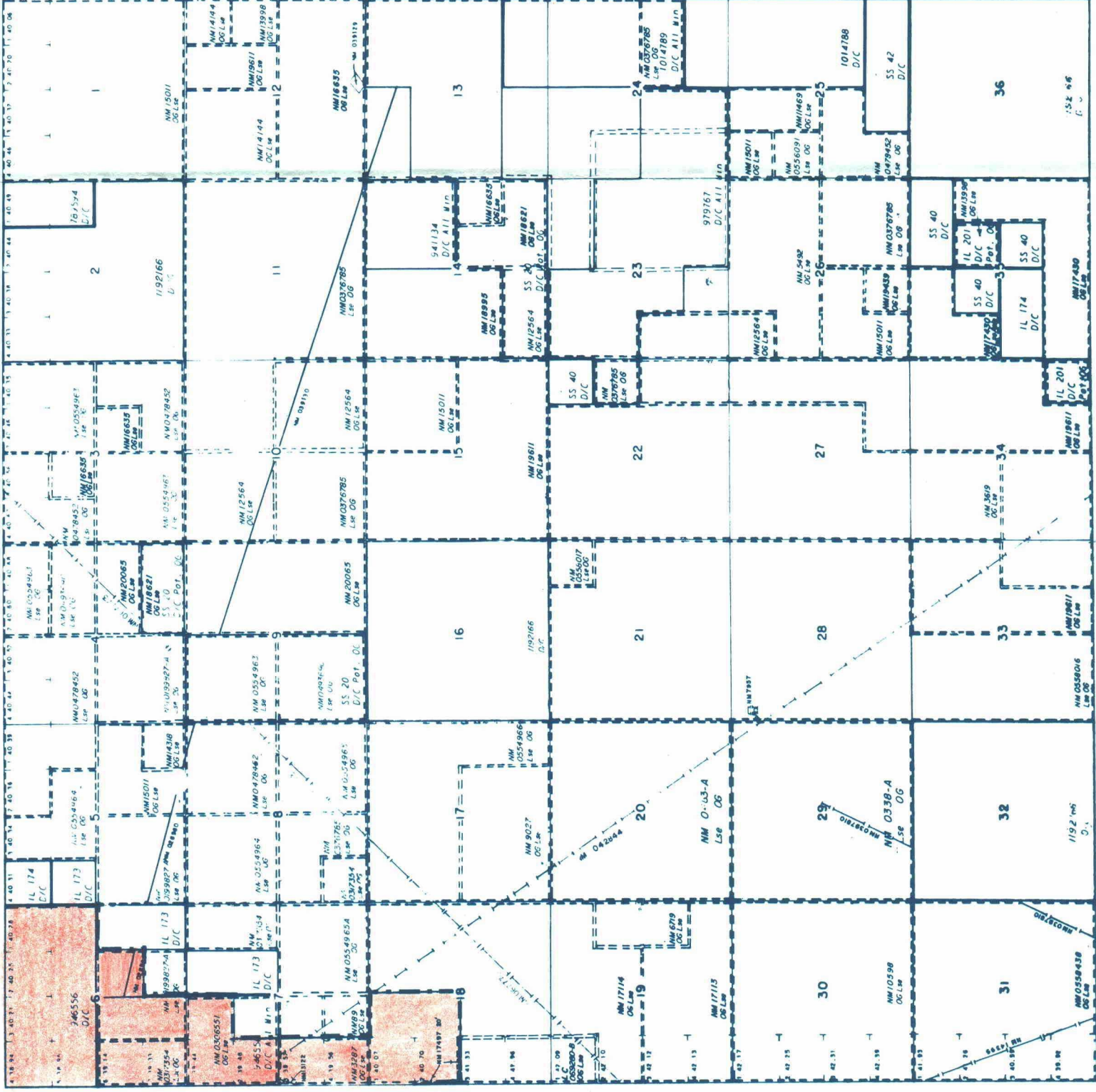
T 14 S
R 30 E

TOWNSHIP 15 SOUTH, RANGE 30 EAST, OF THE NEW MEXICO PRIN. MERIDIAN, NEW MEXICO.

CHAVES COUNTY — 005

STATUS OF PUBLIC DOMAIN
LAND AND MINERAL TITLES

OG PLAT



Lat 32° 37' N
Long 103° 47' 40" W

INDEX TO SEGREGATED PLATS	
PLAT NO.	DATE
1	1/1/1917
2	1/1/1917
3	1/1/1917
4	1/1/1917
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35	1/1/1917
36	1/1/1917

FOR ORDERS EFFECTING DISPOSAL OF LAND OR UNIDENTIFIED LANDS WITHIN THE CLASSIFICATION, MINERALS, WATER RIGHTS, AND OTHER PUBLIC DOMAINS, WITHIN THE AREA OF THE PLAT, SEE THE FOLLOWING:

ALL PLATS INCLUDED IN:

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4/1/1917	4/1/1917
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35/1/1917	35/1/1917
36/1/1917	36/1/1917

T 15 S
R 30 E

EXHIBIT "B"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease	Basic Royalty		Lessee of Record	Overriding Royalty		Working Interest	
				Ownership and Percentage	Percentage		Owner and Percentage	Percentage	Owner and Percentage	Percentage
Federal Land										
1	T-15-S, R-30-E, Sec. 18; Lot 1,2, E 1/2 NW 1/4 (Lisa B Federal)	160.77	NM-17114 Segregated out of LC-069280 7/1/59 HBP	USA	12.50%	L. C. Harris 1/4 J. Penrod Toles 1/6 Robert L. Graham 1/6 Robert Patterson 1/6 Albert J. Black 1/8 Jack McClellan 1/8	Henry R. Wilson 3.0468% William J. Schnedar .0677% John Schnedar .0677% Jeanne S. Kunko .0677% Texaco, Inc. 3.0000%		McClellan Oil Corporation 12.50% L. C. Harris 25.00% J. Penrod Toles 16.67% Robert M. Patterson 16.67% Robert L. Graham 16.66% Albert J. Black 12.50%	
2	T-15-S, R-29-E, Sec. 13; NE/4 NE/4	40.00	NM-17114 Segregated out of LC-069280-B 7/1/59 HBP	USA	12.50%	L. C. Harris 1/4 J. Penrod Toles 1/6 Robert L. Graham 1/6 Robert Patterson 1/6 Albert J. Black 1/8 Jack McClellan 1/8	Henry R. Wilson 3.0468% William J. Schnedar .0677% John Schnedar .0677% Jeanne S. Kunko .0677% Texaco, Inc. 3.0000%		McClellan Oil Corporation 12.50% L. C. Harris 25.00% J. Penrod Toles 16.67% Robert M. Patterson 16.67% Robert L. Graham 16.66% Albert J. Black 12.50%	
3	T-14-S, R-30-E, Sec. 31; W/2 SE/4 (Elyse Federal)	80.00	NM-0199070-A 11/1/71 HBP	USA	12.50%	Amerada Hess Corporation	Amoco 4.0000% Amerada BPO 6.2500% APO 8.5000%		McClellan Oil Corporation 12.50% Abby Corporation 25.00% J. Penrod Toles 16.67% Robert L. Graham 16.66% Albert J. Black 12.50%	
4	T-14-S, R-30-E, Sec. 31; SE/4 SE/4	40.00	NM-0199070-A 11/1/71 HBP	USA.	12.50%	Amerada Hess Corporation	Wolfson Oil Co.		Wolfson Oil Co. 100.00%	

EXHIBIT "B"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease		Basic Royalty Ownership and Percentage	Lessee of Record	Overriding Royalty Owner and Percentage		Working Interest Owner and Percentage	
5	T-14-S, R-30-E, Sec. 31; W/2 (Amoco-Federal Lse.)	314.20	NM-0199070-B 11/1/71	HBP	USA	12.50% Dalport Oil Corp. Burk Royalty Co.	1/2 Corp. 1/2 Leon M. Lampert	5.0000% 1.2500%	Dalport Oil Corp. Burk Royalty Co.	50.00% 50.00%
6	T-15-S, R-30-E, Sec. 6; NW/4 SE/4	40.00	NM-0199827-A		USA	12.50% Amerada-Hess Corp.	Charles P. Kimpel	3.0000%	Wolfson Oil Co.	100.00%
7	T-15-S, R-30-E, Sec. 6; E/2 SW/4 (Sue Federal)	80.00	NM-0199827-A 11/1/71	HBP	USA	12.50% Amerada-Hess Corp.	E. G. McNeil R. Walter/Zealand Kaibab Corp. Charles P. Kimpel Amerada Hess APO	.3333% .2500% .6666% .7500% 6.2500% 9.5000%	McClellan Oil Corporation L. C. Harris J. Penrod Toles Robert M. Patterson Robert L. Graham Albert J. Black	12.50% 25.00% 16.67% 16.66% 16.67% 12.50%
8	T-15-S, R-30-E, Lots 1 & 2, Sec. 7; (Hesse Federal)	78.92	USA-0306551 9/1/72	HBP	USA	12.50% Exxon Corporation	R.E.S. Hesse, etux Hazel M. Hesse C. E. Strange, etux Sherrie R. Strange	1.5000% 1.5000%	Exxon	100.00%
9	T-15-S, R-30-E, Sec. 7; NE/4 NW/4 (Marion Federal)	40.00	NM-0306551 9/1/72	HBP	USA	12.50% Exxon Corporation	R.E.S. Hesse Humble C. E. Strange	1.5000% 6.2500% 12.5000% 1.5000%	McClellan Oil Corporation L. C. Harris J. Penrod Toles Robert M. Patterson Robert L. Graham Albert J. Black	12.50% 25.00% 16.66% 16.67% 16.67% 12.50%

EXHIBIT "B"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease	Basic Royalty Ownership and Percentage	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner and Percentage
10	T-15-S, R-30-E, Sec. 6; Lots 6 & 7 (DeSmet Federal)	78.47	NM-0317354 6/1/72	USA	12.50% Exxon Corporation	Theima F. DeSmet & Richard P. DeSmet	3.0000% Exxon 100.00%
11	T-15-S, R-29-E, Sec. 12; W/2 NE/4 (Amerada Federal)	80.00	NM-0390243	USA	12.50% Amerada-Hess Corp.	None	Wolfson Oil Co. 100.00%
12	T-14-S, R-29-E, Sec. 23; E/2 SE/4 (Joseph W. Falgout)	80.00	NM-0493690 1/1/74	USA	12.50% Amoco Production Co.	Joseph J. Falgout Lester E. Kabacoff Edgar B. Stern, Jr. Phillip B. Stern	.5000% Amoco Production Co. 1.5000% 1.5000% 1.5000%
13	T-15-S, R-30-E, Sec. 7; Lots 3 & 4 (Mary Jane Federal)	79.08	NM-3287 10/1/77	USA	12.50% L. C. Harris J. Penrod Toles Robert L. Graham Robert Patterson Albert J. Black Jack McClellan	D. O. Keon, etux	5.0000% McClellan Oil Corporation L. C. Harris J. Penrod Toles Robert M. Patterson Robert L. Graham Albert J. Black
14	T-15-S, R-29-E, Sec. 12; SE/4 SE/4 (Barbara Federal)	40.00	NM-3613 11/1/77	USA	12.50% L. C. Harris J. Penrod Toles Robert L. Graham Robert Patterson Albert J. Black Jack McClellan	Thomas G. Slanker, Jr., Etux Consuelo M. Johnstone Laron P. Martin Mrs. Mercedes M. Martin	.7500% McClellan Oil Corporation L. C. Harris J. Penrod Toles Robert M. Patterson Robert L. Graham Albert J. Black

Total 14 Federal Tracts ----- 1231.44 acres or 46.12% of Unit Area

EXHIBIT "B"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease	Basic Royalty Ownership and Percentage	Overriding Royalty		Working Interest Owner & Percentage	
					Lessee of Record	Owner and Percentage		
State Land								
15	T-15-S, R-29-E, Sec. 12; SE/4 NE/4, NE/4 SE/4, C.S. (Sunset-State)	80.00	B-10417-10 7/6/43 HBP	State of New Mexico-12.50%	Crown Central Petroleum Corp.	Leon M. Lampert, Trustee	Dalport Oil Corp. Burk Royalty Co. Crown Central Petroleum Corp. Walters Amusements, Inc.	37.50% 37.50% 12.50% 12.50%
16	T-14-S, R-29-E; Sec. 25; NE/4 SW/4, NW/4 SE/4 S/2 SE/4, C.S. (Spurch-State) Section 36: NE/4 NW/4, NE/4 N/2 SE/4, SE/4 SE/4, C. S. (Spurck State)	480.00	B-10418-78 7/6/53 HBP	State of New Mexico-12.50%	Dalport Oil Corp.	Vada Spurck	Dalport Oil Corp. Burk Royalty Co.	37.50% 62.50%
17	T-15-S, R-29-E, Sec. 12; NE/4 NE/4 C.S. (Lois State)	40.01	K-4988-1 5/18/75 HBP	State of New Mexico-12.50%	Humble Oil & Refining Co.	Humble	McClellan Oil Corporation J. Penrod Toles Robert M. Patterson Robert L. Graham	75.00% 8.34% 8.33% 8.33%
18	T-14-S, R-29-E, Sec. 25; NW/4, SW/4 NE/4 NW/4 SW/4, SE/4 SW/4 (State "EK")	280.00	K-5652-2 1/18/76 HBP	State of New Mexico-12.50% Co.	Amoco Production	Ben B. & Mabelle E. Ginsberg W.G. Smith, Jr. Audrey C. Smith C. E. Dorsey	Amoco Production Co.	100.00%

EXHIBIT "B"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease	Basic Royalty Ownership and Percentage	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner and Percentage
19	T-15-S, R-29-E, Sec. 1; SE/4 NE/4, E/2 SE/4 C. S. (Rob)	120.00	K-6647 1-17-77	State of New Mexico-12.50%	R. G. McPheron	Robt. L. Summers Margaret McPheron Robt. Lee McPheron Collen G. McPheron Wallace Leon M. Lampert, Trustee	Dalport Oil Corporation 50.00% Burk Royalty Co. 50.00% 3.1250% 1.5625% .7812% .7812% 1.0000%
20	T-14-S, R-29-E, Sec. 24; NW/4 SW/4, C. S. (Sun State)	40.00	K-6772-1 12-1-81	State of New Mexico-12.50%	Sun Oil Company	Sun Oil Company	Roark & Hooker 87.50% J. C. Monk 12.50%
21	T-14-S, R-29-E, Sec. 24; SW/4 SW/4, C. S. (Sun State)	40.00	K-6772-1 12-1-81	State of New Mexico-12.50%	Sun Oil Company	Sun Oil Company	McClellan Oil Corporation 12.50% Wall Street Oil Corp. 12.50% W. W. La Force, Jr. 25.00% Tom Schneider 12.50% A. N. Norwood 12.50% George Eng 6.25% Alan Q. Norwood 6.25% W. B. Perry, Jr. 3.1250% Charles H. Juni 3.1250% Wallace G. Comer 3.1250% Warren D. Barton 1.5625% G. W. Green 1.5625%

EXHIBIT "B"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease	Basic Royalty Ownership and Percentage	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner and Percentage
22	T-15-S, R-29-E, Sec. 1, NE/4 NE/4	40.01	K-4321 8/18/74	State of New Mexico-12.50%	Covine Grace	None	Covine Grace 100.00%

Total 8 State Tracts ----- 1121.02 acres or 41.95% of Unit Area

Fee Land

23	T-15-S, R-30-E, Sec. 6; Lots 1 & 2 S/2 NE/4 (Florence B. Lusk)	160.53	Fee 12/8/72	HBP	Florence B. Lusk 3.12500 Donald Winston, Trustee .39222 Roy G. Barton, Jr. .78458 Roy G. Barton, Sr. .78458 R. W. Brown .86795 R. C. Beveridge .53675 James R. Roop .39229 Brenda Ann Moran .92905	Pan American Petro. Corp.	None	Amoco Production Co. 100.00%
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EXHIBIT "g"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	Serial No. & Expiration Date Of Lease	Basic Royalty		Overriding Royalty Owner and Percentage	Working Interest Owner and Percentage
			No. of Acres	Ownership and Percentage		
23	cont'd.			K. D. McPeters .39229 A. T. Williamson .39229 Howell Spear .29422 Marshall Brothers Ltd. .39229 Marshall and Winston, Inc. .78458 W. Bryce Duggar .19615 T. T. Sanders, Jr. .19615 Ann W. Marshall .19615 Investors Royalty Co., Inc. 1.35305 Cleo Hendricks Duggar .19614 Ellie Spear .29422 <hr/> 16.50000		

EXHIBIT "g"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease	Basic Royalty Ownership and Percentage	Lessee of Record	Overriding Royalty Owner and Percentage	Working Interest Owner and Percentage
24	T-15-S, R-30-E, Sec. 6; Lots 3, 4, & 5 SE/4 NW/4 (Lusk)	158.11	Fee 4/16/75 HBP	Roy G. Barton Exxon .784585 Roy G. Barton, Jr. .784585 R. C. Beveridge .536754 R. W. Brown .867947 Cleo Hendricks Duggar .1961 W. Bryce Duggar .196146 Investors Royalty Company, Inc. 1.353016 Florence B. Lusk 3.125000 K. D. McPeters .392292 Marshall Brothers, Ltd. .392292 Marshall & Winston, Inc. .784585	Roy G. Barton Exxon Roy G. Barton, Jr. R. C. Beveridge R. W. Brown Cleo Hendricks Duggar W. Bryce Duggar Investors Royalty Company, Inc. Florence B. Lusk K. D. McPeters Marshall Brothers, Ltd. Marshall & Winston, Inc.	None	Exxon 100.00%

EXHIBIT "B"
To Unit Agreement
DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

Tract No.	Description of Land	No. of Acres	Serial No. & Expiration Date Of Lease	Basic Royalty		Overriding Royalty Owner and Percentage	Working Interest Owner and Percentage
				Ownership and Percentage	Lessee of Record		
24	cont'd.			Ann W. Marshall .196146			
				Brenda Ann Moran .929046			
				James R. Roop .392292			
				T. T. Sanders, Jr. .196146			
				Ellie Spear .294219			
				Howell Spear .294219			
				A. T. Williamson .392292			
				Donald Winston, Tr. under Agreement with Francisca S. Winston dated Dec. 31, 1941 .392292			
				12.500000			

Total 2 Fee Tracts ----- 318.64 acres of 11.93% of Unit Area

RECAP

Federal	Tracts 1-14	or	14 Tracts	-----	1231.44 acres or 46.12 percent of Unit Area
State	Tracts 15-22	or	8 Tracts	-----	1120.02 acres or 41.95 percent of Unit Area
Fee	Tracts 23-24	or	2 Tracts	-----	318.64 acres or 11.93 percent of Unit Area

EXHIBIT "C"
To Unit Agreement

DOUBLE L QUEEN UNIT
Chaves County, New Mexico
January 1, 1975

<u>TRACT NO.</u>	<u>TRACT PARTICIPATION %</u>	
	<u>PHASE I</u>	<u>PHASE II</u>
1	12.6690	6.4884
2		.0221
3	5.6500	4.1909
4		.0468
5	12.5500	15.2155
6		.0293
7	1.1075	2.4652
8	1.9930	2.6103
9		.0113
10	2.6295	3.9260
11	.8525	.3653
12	.5370	.7526
13	5.0365	3.6226
14	1.2240	.8407
15	7.6425	6.2666
16	9.3795	16.1292
17	4.1205	2.9144
18	10.4685	5.9534
19	4.1805	5.1212
20	2.6420	1.0481
21	1.3290	1.6549
22	.6425	1.2343
23	1.8435	4.3769
24	<u>13.5025</u>	<u>14.7140</u>
	100.0000	100.0000

PROVISIONS OF SECTION 202 OF
EXECUTIVE ORDER 11246

EXHIBIT "D"
To Unit Agreement
Double "L" Queen Unit
Chaves County, New Mexico
January 1, 1975

"(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

"(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

"(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

"(4) The contractor will comply with all provisions of Executive Order No. 11246 of Sept. 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

"(5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

"(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by Law.

"(7) The contractor will include the provisions of Paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of Sept. 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States."

Contractor shall also abide by the regulations of Executive Order 11598, Occupational Safety and Health Act and by Executive Order 11640, Veterans Hire Regulation, which orders are inserted herein by reference.

E. A. Kumbert, President
Don W. Clark, Jr., Secy.
D. C. Sargent, Pres.

G. E. Kumbert, Exec. M. M.
Tom Darling, M. M. Eng.
Bill Duncan, M. M. Prod.

Double L Queen Field

201 Oil & Gas Building
Midland, Texas 79701

RECEIVED MAR 11 1974

February 14, 1974

Working Interest Owners
Double L Queen Field
Chaves County, New Mexico

Gentlemen:

Enclosed is a revised copy of the Unit Agreement and the Unit Operating Agreement pertaining to the proposed Double L Queen Field, Chaves County, New Mexico. These copies, hopefully, have been revised in accordance with the instructions received from the last Operators Meeting held January 8, 1974. These copies are, at this time, being mailed to all working interest owners in the field.

The primary operators in the field have negotiated the terms of these agreements over a period of several years and have done a considerable amount of work, insofar as a reservoir study and a related geology study is concerned. We believe the terms set forth in these agreements are fair and equitable and would at this time like to receive approval from all working interest owners to proceed with the unitization of this field. Would you therefore, please indicate as provided below, your approval of the unitization of your interest and approval of the terms of this agreement and return a copy of this letter on or before March 16, 1974. If we do not receive an approved copy of this letter, we will assume that you do not desire to participate in this waterflood unit.

Such time as we have received approval from all working interest owners we will prepare a finalized version of these instruments and will return them to you in the final version for execution. We will, of course, at that time also proceed to secure execution by all royalty owners.

Many of you, as working interest owners, have not participated in the actual operations in this field and I will be happy to answer any question you may have or, if you so desire, you could contact the operator under whose properties you own an interest. Prompt return of this letter will be appreciated.

Very truly yours,

BUNK ROYALTY CO.

JOHN H. Bear

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

Huck EXHIBIT NO. 5

CASE NO. 5596

Submitted by _____

Hearing Date _____

Working Interest Owners
Double L Queen Field
Chaves County, New Mexico

Page 2

Ballet to be signed, pertaining to the above, dated February 14, 1974:

AGREEMENTS O.K.

Desire to Unitize YES

Do ~~Not~~ ~~Desire~~ to Unitize

By: 
L. C. HARRIS, President

Company ABBY CORPORATION

Date March 11, 1974

Page 2

AGREEMENTS O.K.

Do Not Desire to Unitize

By: Robert A. Sakuma

Company _____

Date 12 MARCH 1974

Working Interest Owners
Double L Queen Field
Chaves County, New Mexico

Page 2

Ballet to be signed, pertaining to the above, dated February 14, 1974:

AGREEMENTS O.K.

Desire to Unitize Yes

Do Not Desire to Unitize ~~Yes~~

By: [Signature]

Company H. C. Harris

Date 3-6-74

and

Atty Corporation
by [Signature]
Pres.

Working Interest Owners
Double L Queen Field
Chaves County, New Mexico

Page 2

Ballet to be signed, pertaining to the above, dated February 14, 1974:

AGREEMENTS O.K.

Desire to Unitize

Do Not Desire to Unitize

By:

Company

Date

W. A. H. Foul

W. A. H. Foul

March 14, 1974

Jon
Thanks for the engineering report.
It was quite helpful and my preliminary
check would indicate most everyone in
Tract 17 will join. Looks like a good project.
Sincerely,
W. A. H. Foul

Working Interest Owners
Double L Queen Field
Chaves County, New Mexico

Page 2

Ballet to be signed, pertaining to the above, dated February 14, 1974:

AGREEMENTS O.K.

Desire to Unitize ✓

Do Not Desire to Unitize _____

By: Paul L. McChalla

Company McChalla Oil Corp

Date 2/26/74

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

EXHIBIT NO. 6(2)

CASE NO. 5596

Submitted by Buck Roy Co

Hearing Date 1/7/76

FOR THE

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT

AND

UNIT OPERATING AGREEMENT

DEVELOPMENT AND OPERATION OF THE

DOUBLE L QUEEN UNIT

CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

CLEARY PETROLEUM CORPORATION

ATTEST:

Walter C. Lane
Ass't. Secretary

[Signature]
V. President - Production
Address: _____

Date: _____

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires: _____

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

R. L. Keefe
Assistant/Secretary

AMERADA HESS CORPORATION

J. A. Franklin
Vice President

Address: _____

Date: _____

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF California

COUNTY OF San Diego

The foregoing instrument was acknowledged before me this 10th day of December, 1975, by J. A. Franklin of Amerada Hess Corporation, a California corporation, on behalf of said corporation.

My Commission Expires: _____

William M. B. [Signature]
Notary Public

~~My Commission Expires January 16, 1976~~

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

701K EXHIBIT NO. 76 (2)

CASE NO. 5596

Submitted by _____

Hearing Date 1/7/76

CONSENT TO AND RATIFICATION OF

UNIT AGREEMENT

FOR THE DEVELOPMENT AND OPERATION OF THE

DOUBLE L QUEEN UNIT

CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Jean Baker

Jeanne S. Kunko

Address: 1601 S. Kentucky

Date: 11-25-75

Roswell, N.M.

(Individual)

STATE OF New Mexico

COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 25th day of November, 1975, by Jeanne S. Kunko, husband and wife.

My Commission Expires:

January 12, 1976

Jean M. Baker
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

SECTION 14. TRACTS QUALIFIED FOR PARTICIPATION.
On and after the Effective Date hereof, all tracts within
the Unit Area shall be entitled to participation in the
production of unitized substances.

BEFORE EXAMINER STAMETS	
OIL CONC. & OIL COMPOSITION	
_____	_____ NO. <u>12</u>
CASE NO. <u>5596</u>	
Submitted by <u>Bork Roy Co</u>	
Hearing Date <u>1/7/76</u>	

SECTION 23. EFFECTIVE DATE AND TERM. This Agreement shall become effective on the date fixed by the Commission, approval of this Agreement by the Supervisor and the Land Commissioner and ratification by those persons who, under the Commission's Order, will be required to pay at least 75% of the costs of the unit operations as of that date. This Agreement, or notice thereof, together with a certificate by the Unit Operator so stating the effective date shall be filed for record in the office of the County Clerk of Chaves County, New Mexico.

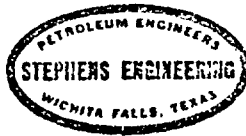
The term of this Agreement shall be for and during the time that Unitized Substances are produced from the unitized land and so long thereafter as drilling, reworking or other operations (including secondary recovery operations) are prosecuted thereon without cessation of more than ninety (90) consecutive days unless sooner terminated as herein provided.

This Agreement may be terminated with the approval of the Land Commissioner and the Supervisor by Working Interest Owners owning eighty per cent (80%) of the Unit Participation then in effect whenever such Working Interest Owners determine that Unit Operations are no longer profitable, or in the interest of conservation. Upon approval, such termination shall be effective as of the first day of the month after said Working Interest Owners' determination. Notice of any such termination shall be filed by Unit Operator in the Office of the County Clerk of Chaves County, New Mexico, within thirty (30) days of the effective date of termination.

Upon termination of this Agreement, the parties hereto shall be governed by the terms and provisions of the leases and contracts affecting the separate Tracts just as if this Agreement had never been entered into.

If not otherwise provided by the leases unitized under this Agreement, Royalty Owners hereby grant Working Interest Owners a period of six months after termination of this Agreement in which to salvage, sell, distribute or otherwise dispose of the personal property and facilities used in connection with Unit Operations.

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 13
TELEPHONE - 817-723-2188
CASE NO. 5-596
Submitted by Burk Roy
Hearing Date 1/7/76



POST OFFICE BOX-2249

WICHITA FALLS, TEXAS
76307

October 23, 1975

McClellan Oil Corporation
P. O. Box 848
Roswell, New Mexico 88201

Attn: Mr. Jack McClellan

Re: Unitization Recommendation
Double "L" Field
Chaves County, New Mexico

Dear Mr. McClellan:

In accordance with your request, we have reviewed the present conditions existing in the Double "L" Field in order to determine if the McClellan Oil Corporation group should approve and sign the proposed Unit Agreement now being circulated by Burk Royalty Company. As a result of this analysis, we have determined that certain inequities exist and therefore recommend your consideration of these inequities prior to the approval of the proposed Unit Agreement.

In our analysis two major points were determined. The first of these points concern the potentiality of whether the installation of the project would allow "new" oil price or if the "old" oil price would be in effect at some time during the water flood project. Analysis of this point and a discussion of this point with Mr. John Bear indicates that all oil produced from the project should be in a "new" oil category since the project has been established in a "stripper" condition and since a recent law indicates that as of July 1, 1975 the production from any property which has been classified in a "stripper" category is "stripper" until abandonment. As a result of this determination, it is apparent that "new" oil price should be available to this project during its entirety, therefore, eliminating this concern.

The second point which was analyzed concerned a portion of the Unit Agreement which states that the Phase I formula of the Unit Agreement will apply until a total of 1,470,758 gross barrels have been produced from the properties included in the Unit area. After this amount of oil production has been obtained, a change in the formula occurs and the Phase II portion of the formula will apply. The Phase I formula allocates 31.1365 per cent of the production from the Unit to the McClellan Oil Corporation group. The Phase II portion of the formula reduces this percentage to 22.2105 per cent. As a result of this condition, an analysis was performed to determine the status of the project as of January 1, 1976 and indicates that in all probability the Phase II portion of the formula will immediately apply since the production will be at or past the 1,470,758 gross barrel position. As a result of this condition, the McClellan group would see an immediate change in income from the project area amounting to approximately \$3,000 to \$4,000 less per month under unitization than without unitization.

The primary cause for this discrepancy occurs due to the price rise in crude oil since the engineering committee established primary reserves from the properties included in the project area. At the time the engineering committee met and determined the ultimate primary reserves, the price of oil was considerably below the \$12.56 per barrel now being received. As a result of this condition, an economic limit of production was established which was high in comparison to the price of oil today. Through the high economic limit position, an earlier inlet into the Phase II formula occurs, therefore, resulting in a loss in present day income and potential reserves to the McClellan group. While this loss is not out of line, it is above that which we believe that could be classified as equitable.

In an effort to overcome the discrepancy which has occurred, an analysis was performed utilizing a lower economic limit of 36 barrels per month per well on the wells now included in the Double "L" Field. Under this lower economic limit, an additional amount of oil production could be attributed to the primary oil production and therefore delay the Phase II starting position. Our estimate indicates that an additional 90,543 gross barrels could be produced by the proposed Unit and considered as primary oil from the first to the second economic limit. Based on this information, the Phase II starting point would be revised from 1,470,758 gross barrels to 1,561,301 gross barrels. Analyzing this proposed position further, a change in the anticipated income to the McClellan group of approximately 72,824 gross dollars would occur as a result of changing the Phase II starting position.

As a result of this determination, it is recommended that the McClellan group propose to the Unit that a new starting position for the Phase II portion of the Unit Agreement be set at approximately 1,561,301 gross barrels. Under this arrangement we feel that the inequity now established against the McClellan group would be eliminated and under this condition could recommend the immediate signing



by the McClellan group of the proposed Double "L" Field Unit Operating Agreement and Unit Agreement.

Should there be any questions concerning the recommendations and comments contained herein, please do not hesitate to contact us.

Yours very truly, .

STEPHENS ENGINEERING

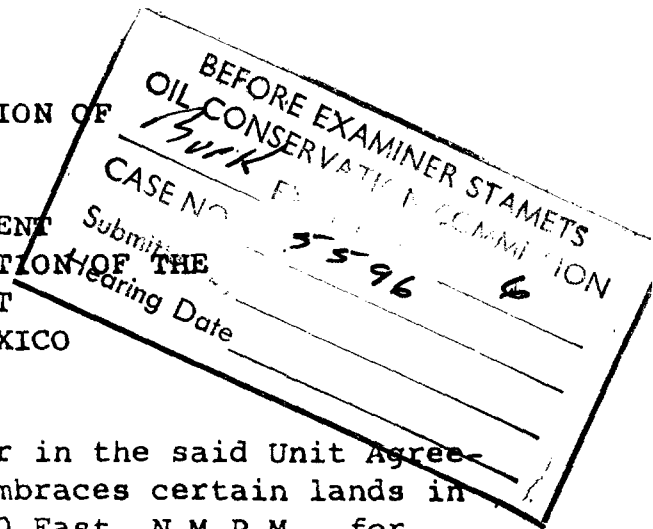


Joe L. Johnson, Jr.

JLJjr/dk



CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO



The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

AMOCO PRODUCTION COMPANY

APPROVED

ATTEST:

W. V. Grisham

ATTORNEY-IN-FACT

Address: Box 3092

Date: JUL 11 1975

Houston, Texas 77001

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF Texas

COUNTY OF Harris

The foregoing instrument was acknowledged before me this 11th day of July, 1975, by W. V. GRISHAM of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires: 6-1-77

Ray Dell Harrell
Notary Public

RAY DELL HARRELL
Notary Public in and for Harris County, Texas
My Commission Expires June 1, 1977

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

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The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Virginia S. Seal

Warren D. Barton

Address: PO Box 196X

Date: August 5, 1975 MIDLAND, TEX 79701

(Individual)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 5th day of August, 1975, by Warren D. Barton, husband and wife.

My Commission Expires:

June 1, 1977

Virginia S. Seal
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

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The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

John S. Black

Albert J. Black
Mary Jane Black

Address: 10019 Cassin Rd N.W.

Date:

7-17-75

Albuquerque, N.M. 87114

(Individual)

STATE OF New Mexico

COUNTY OF Bernalillo

The foregoing instrument was acknowledged before me this 17th day of July, 1975, by Albert J. and Mary Jane Black husband and wife.

My Commission Expires:

7-23-78

Billy J. Valaites
Notary Public

(Corporate)

STATE OF _____

_____, on behalf of said corporation.

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

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The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

A. L. Dyer

Jon H. Bear
Jon H. Bear, Vice President
Burk Royalty Co.

Address: 800 Oil & Gas Building

Date: 10/1/75

Wichita Falls, Texas 76301

(Tolled 1)
(Tolled 1)

STATE OF

COUNTY OF

THE foregoing instrument was acknowledged before me this 1st day of October, 1975, by

My Commission Expires

Notary Public

(Corporate)

Notary Public

BECKY SPEARS

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Wallace B. Gomen

1

Date:

7/10/75

Address: 4148 S. 34th
Antelope, N.M. 87008

(Individual)

STATE OF OHIO

COUNTY OF HAMILTON

The foregoing instrument was acknowledged before me this 10th day of JULY, 1975, by Wallace B. Gomen, husband and wife.

My Commission Expires:

BRUCE D. O'DELL

Notary Public, Hamilton County, Ohio

My Commission Expires Dec. 17, 1979

Bruce D. O'Dell
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Crown Central Petroleum Corporation

O L Lassin
ASSISTANT SECRETARY

R. M. Kobbish, Vice President
Address: 1400 First City East Building

Date: 9/26/75

Houston, Texas 77002

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF Texas

NOTARY PUBLIC

My Commission Expires: _____
Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Francis M. M... ..
Ass't. Secretary

DALPORT OIL CORPORATION
By: W. L. Todd, Jr. President

Address: 3471 First National Bank Bldg.

Date: July 10, 1975

Dallas, Texas 75202

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF TEXAS

COUNTY OF DALLAS

The foregoing instrument was acknowledged before me this 10th day of July, 1975, by W. L. Todd, Jr., President of DALPORT OIL CORPORATION, a DELAWARE corporation, on behalf of said corporation.

My Commission Expires: January 1, 1976

James S.
Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

George E. Enos

Address: _____

Date: _____

(Individual)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 24 day of July, 1975, by George E. Enos, husband and wife.

My Commission Expires:

June 1, 1977

Loren Miller
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

~~ATTEST:~~

WORKING INTEREST OWNER
EXXON CORPORATION

BY: H. Jack Naumann
H. JACK NAUMANN Attorney in Fact

Oil & Gas

Oil & Gas

Oil & Gas

Oil & Gas

Address: P. O. Box 1600

Date: 8-28-75

Midland, Texas 79701

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 28th day of August, 1975, by H. JACK NAUMANN Attorney in Fact of Exxon Corporation, a New Jersey corporation, on behalf of said corporation.

My Commission Expires: 6-1-77

Lena P. Jelle
Notary Public

LENA P. JELLE, NOTARY PUBLIC IN AND FOR
THE COUNTY OF MIDLAND, STATE OF TEXAS.
MY COMMISSION EXPIRES JUNE 1, 1977.

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

[Signature]
Shirley M. Green
Address: 102 R.H.'s Tower West
Midland, Texas 79701

Date: August 6, 1975

(Individual)

STATE OF Texas
COUNTY OF Midland

The foregoing instrument was acknowledged before me this 6 day of August, 1975, by G. W. GREEN and Shirley M. GREEN, husband and wife.

My Commission Expires:
June 1, 1977

Mary D. Roberts
Notary Public

(Corporate)

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Paul A. Kline
Shirley Kline

Address: 2104 North H St
Midland, Tex

Date: Aug 13/1975

(Individual)

STATE OF Texas
COUNTY OF (Oil) (County)

_____, 1975, by _____, husband and wife.

COUNTY OF _____

_____, 1975, by _____, a _____
corporation, on behalf of said corporation.
My Commission Expires _____

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Cecilia Ochoa

Alan G. Norwood
Betty Jane Norwood
Address: 1903 North H St
Midland, Tx 79701

Date: 7/10/75

(Individual)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 10th day of July, 1975, by Alan G. Norwood and Betty Jane Norwood, husband and wife.

My Commission Expires:
6-1-77

[Signature]
Notary Public

(Corporate)

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Cecilia Ochoa

Arvin Norwood Drilling Co.
A N Norwood

Address: Box 310-Midland, Texas 79701

Date: 7-7-75

(Individual)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 8 day of July, 1975, by A.N. Norwood, ~~KNOWING AND VOLUNTARY~~

My Commission Expires:

6-1-77

[Signature]
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

J. L. W. Selch

W. B. Perry Jr.

Address: 1306 Gihls Tower West
Midland, Texas 79701

Date: 9-26-75

(Individual)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 26th day of September, 1975, by W. B. Perry Jr., husband and wife.

My Commission Expires:

June, 1977

Jay B. Hittley
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

_____ R. T. Roark _____

Address: R. T. ROARK
P. O. BOX 448
FORT WORTH, TEXAS 76101

Date: JUL 21 1975

(Individual)

STATE OF Texas

COUNTY OF Tarrant

The foregoing instrument was acknowledged before me this 21st day of July, 1975, by R. T. Roark, ~~working interest owner~~.

My Commission Expires:
6-1-1977

Faye Hood
Notary Public
FAYE HOOD, Notary Public
In and for Tarrant County, Texas

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

L. F. Hooker
L. F. HOOKER

Address: P. O. Box 2708

Date: July 11, 1975

Abilene, Texas 79604

(Individual)

STATE OF TEXAS

COUNTY OF TAYLOR

The foregoing instrument was acknowledged before me this 11th day of July, 1975, by L. F. Hooker

My Commission Expires:
June 1, 1977

Helen Lucas
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____


CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:


J. C. MONK

Address: 1017 Leggett

Date: July 11, 1975

Abilene, Texas 79605

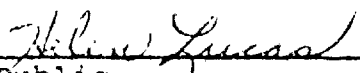
(Individual)

STATE OF TEXAS

COUNTY OF TAYLOR

The foregoing instrument was acknowledged before me this 11th day of July, 1975, by J. C. Monk, ~~husband and wife~~.

My Commission Expires:
June 1, 1977


Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
AND
UNIT OPERATING AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Working Interest Owner in the said Unit Agreement and Unit Operating Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, ratifies, confirms and joins in the execution of said Unit Agreement and Unit Operating Agreement (each of which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement and said Unit Operating Agreement, or respective counterparts thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement and said Unit Operating Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement and said Unit Operating Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown hereon.

WORKING INTEREST OWNER

ATTEST:

Wall Street Oil Corporation

J. B. Bruckmiller - Pres.

Address: _____

Date: _____

P. O. Box 2000, Midland, Texas 79701

(Individual)

STATE OF _____

COUNTY OF _____

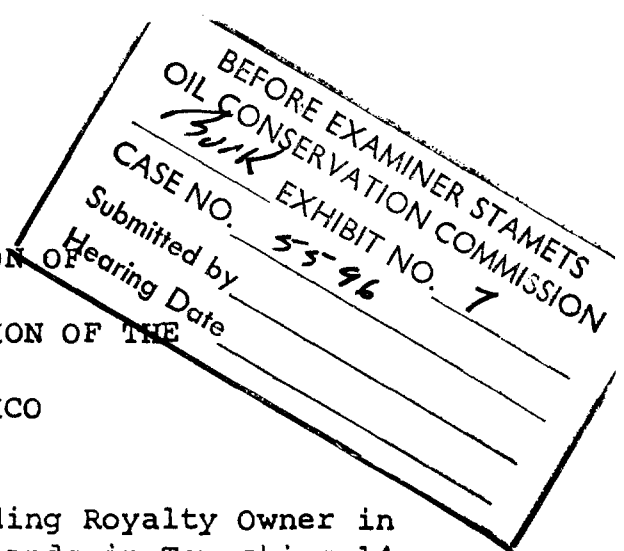
The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

(Corporate)

NOTARY PUBLIC _____

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO



The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ASSOCIATED ROYALTY COMPANY

ATTEST:

Hazel D. Cleaver
Secretary

A. M. Culver
President

Address: 1105 United Bank Center
1700 Broadway
Denver, Colorado 80202

Date: October 21, 1975

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF COLORADO

COUNTY OF DENVER

The foregoing instrument was acknowledged before me this 21st day of October, 1975, by A. M. Culver, President of Associated Royalty Company, a Nevada corporation, on behalf of said corporation.

My Commission Expires:
My Commission expires Oct. 2, 1979

Raymond A. [Signature]
Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Ray G. Barton
Opal Barton

Address: Box 978

Date: 2-12-75

Hobbs, N.M. 88240

(Individual)

STATE OF New Mexico

COUNTY OF Lea

The foregoing instrument was acknowledged before me this 17th day of July, 1975, by Ray G. Barton & Opal Barton, husband and wife.

My Commission Expires:

MY COMMISSION EXPIRES
NOVEMBER 8, 1975

Thomas Bryan
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Ray H. Barton
Norma J. Barton
Address: Box 978
Hobbs, New Mexico 88240

Date: 7-18-75

(Individual)

STATE OF New Mexico

COUNTY OF Deer

The foregoing instrument was acknowledged before me this 18th day of July, 1975, by Ray H. Barton Jr. husband and wife.

My Commission Expires:
MY COMMISSION EXPIRES
NOVEMBER 8, 1975

Thelma Bryan
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____

_____, a _____ corporation, on behalf of said corporation.

My Commission Expires: _____

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Carol J. Luck Berger
Allen K. Berger

Address: 410 Webster

Date: Sept 27, 1975

Mayville, Kansas 67060

(Individual)

STATE OF Kansas

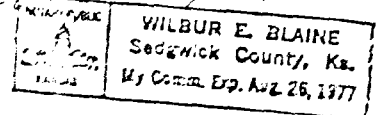
COUNTY OF Sedgewick

The foregoing instrument was acknowledged before me this 27th day of September, 1975, by Allen K. Berger and Carol J. Berger, husband and wife.

My Commission Expires:

Apr 26, 1977

Wilbur E. Blaine
Notary Public



(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____

_____, a _____
corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Albert J. ...
Geral Beveridge

Address: _____

Date: _____

(Individual)

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me this 11th day of September, 1975, by R. C. Beveridge and wife, Geral Beveridge, husband and wife.

My Commission Expires:
June 1, 1977

Shelma Wright
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Virginia Lusk Bingham

Jasper Lusk

Address: 616 E. 58th St. Dr.
Wichita, Kansas, 67216

Date: 9-29-75

(Individual)

STATE OF kansas

COUNTY OF Sedgwick

The foregoing instrument was acknowledged before me this 29th day of September, 1975, by Virginia Lusk Bingham, ~~husband and wife~~.

My Commission Expires:
12-30-78

Cheryl A. Johnson
Notary Public

(Corporate)

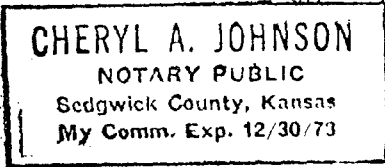
STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation or agent of said corporation.

My Commission Expires: _____

Notary Public



CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Diana L. Murphy

Corrine Lusk Buckelew

Address: 24 Douglas Drive
Palm Springs, Ca 92262

Date: 7-29-75

(Individual)

STATE OF CALIF.

COUNTY OF RIVERSIDE

The foregoing instrument was acknowledged before me this 29th day of JULY, 1975, by CORRINE LUSK BUCKELEW ~~husband and wife~~

My Commission Expires:

MAY 9, 1977

William W. Schmidt
Notary Public

(Corporate)

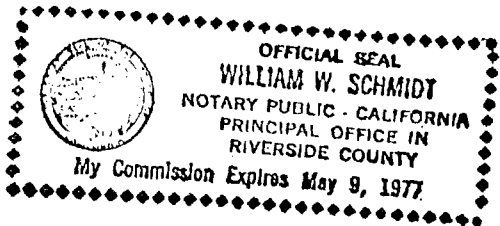
STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public



CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Inez Lusk Campbell
Box 749

Address: Bureau Vista
Colo.

Date: 8/1/75

(Individual)

STATE OF COLORADO

COUNTY OF CHAFFEE

The foregoing instrument was acknowledged before me this 1st day of August, 1975, by INEZ LUSK CAMPBELL, husband and wife.

My Commission Expires:
10-17-77

[Signature]
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

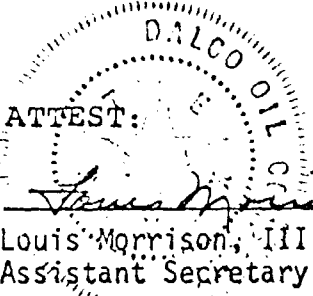
My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ATTEST: 
Louis Morrison, III
Louis Morrison, III
Assistant Secretary
Date: July 11, 1975

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

DALCO OIL COMPANY
H. D. Carter
H. D. Carter, Vice President
Address: 1200 Mercantile Bank Building

Dallas, Texas 75201

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF TEXAS

COUNTY OF DALLAS

The foregoing instrument was acknowledged before me this 11th day of July, 1975, by H. D. Carter of Dalco Oil Company, a Texas corporation, on behalf of said corporation.

My Commission Expires: _____

[Signature]
Notary Public

EDDIE STEWART
Notary Public in and for
Dallas County Texas

My Commission Expires 6-1-77

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Thelma F. Davis

THELMA F. DAVIS, individually and as co-trustee,
and on behalf of the successor co-trustees of the
intervivos trusts designated Richard P. DeSmet &
Thelma F. DeSmet 1971 Trusts. (See USL #R-4476)
1631 12th AVENUE, SACRAMENTO, CALIFORNIA 95818

Date: July 7, 1975

(Individual)

STATE OF WASHINGTON

COUNTY OF CLARK

The foregoing instrument was acknowledged before me this 7th day
of JULY, 1975, by THELMA F. DAVIS
husband and wife.

My Commission Expires:
FEB. 19, 1976

Carl J. Ludwig
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day
of _____, 1975, by _____ of
_____, a _____
corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

C. E. Dorsey
Joy M. Dorsey

Address: 1204 South Michigan

Date: October 7, 1975

Roswell, New Mexico 88201

(Individual)

STATE OF New Mexico

COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 7th day of October, 1975, by C. E. Dorsey and Joy M. Dorsey, husband and wife.

My Commission Expires:
March 28, 1977

Elizabeth D. Blyden
Notary Public

(Corporate)

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Bruce Duggan
J. V. [unclear]

Address: 1366 W 8th

Date: _____

Roswell N. [unclear]

(Individual)

STATE OF New Mexico
COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 29 day of July, 1975, by Bruce Duggan and J. V. [unclear], ~~husband and wife~~.

My Commission Expires:
9-10-77

Marion E. Smith
Notary Public

(Corporate)

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Cleo H. Duggan

Address: P.O. Box 2172

Date: _____

Roswell N.M. 88201

(Individual)

STATE OF New Mexico

COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 9th day of July, 1975, by Cleo H. Duggan, husband and wife.

My Commission Expires:

April 22, 1978

Sharon L. Cox
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Lillian Lusk Evans

Lynn Evans

Address: P.O. Box 333

Date: 7-30-75

Artesia, New Mex. 88210

(Individual)

STATE OF New Mexico

COUNTY OF Sandoval

The foregoing instrument was acknowledged before me this 31st day of July, 1975, by Lillian Lusk Evans, husband and wife.

My Commission Expires:

August 28, 1978

Smith Brann
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Magdalene Kincaid

Bruce B. Ginsberg
Magdalene E. Ginsberg

Address: 1301 Highland Rd
Roswell, N. M.

Date: July 8, 1975

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires: _____

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

R.E.S. Hesse

Hazel M. Hesse

Address: P.O. Box 104

Date: July 14th 1975

Tulare, Calif. 93274

(Individual)

STATE OF Calif
COUNTY OF Tulare

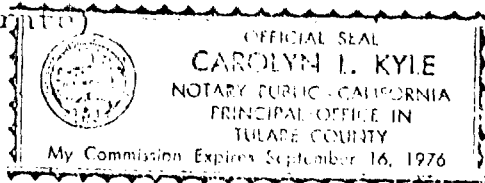
The foregoing instrument was acknowledged before me this 14th day of July, 1975, by R.E.S. Hesse + Hazel M. Hesse, husband and wife.

My Commission Expires:

Carolyn L. Kyle
Notary Public

(Corporate)

STATE OF
COUNTY OF



The foregoing instrument was acknowledged before me this day of , 1975, by of , a corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

R. N. Cook
R. N. Cook

D. O. Keon
D. O. Keon
Maye B. Keon
Maye B. Keon
Address: (10140 Margo Lane)
P. O. Box 2263
Westminster, California 92683

Date: October 2, 1975

(Individual)

STATE OF CALIFORNIA

COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 2nd, day of October, 1975, by D. O. Keon and Maye B. Keon, of Westminster, California, whose signatures appear above, husband and wife.

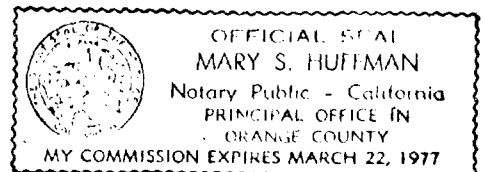
My Commission Expires:
March 22, 1975 1977

Mary S. Huffman
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____



The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Charles P. Kimpel
Charles P. Kimpel

Address: 609 Montana Ave., #9
Santa Monica, California 90403

Date: October 8, 1975

(Individual)

STATE OF CALIFORNIA

COUNTY OF LOS ANGELES

The foregoing instrument was acknowledged before me this 8th day of October, 1975, by CHARLES P. KIMPEL, ~~husband and wife~~

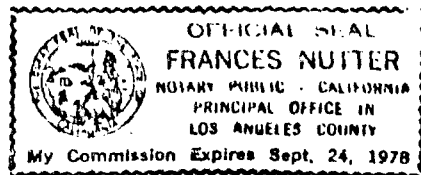
My Commission Expires:

Frances Nutter
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____



The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ATTEST:

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

Leon M. Lampert, indiv. & as Trustee for
Carl M. Lampert, & Ellen A. Lampert

Barbara O. Lampert

Address: 1134 600 Bldg

Date: 9-29-75

Corpus Christi TX 78401

(Individual)

STATE OF Texas

COUNTY OF Wheeler

The foregoing instrument was acknowledged before me this 29 day
of September, 1975, by Leon M. Lampert &
Barbara O. Lampert, husband and wife.

My Commission Expires:

6-1-77

Maxine Shelton

Notary Public MAXINE SHELTON

Notary Public, in and for Wheeler County, Texas

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day
of _____, 1975, by _____ of
_____, a _____
corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Bessie Myers Lusk

Hagerman

Address: New Mexico

Date: _____

(Individual)

STATE OF New Mexico
COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 4 day of August, 1975, by Bessie Myers Lusk, husband and wife.

My Commission Expires:
Sept. 7, 1976

Walter Mae McCullough
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Henry Oliver Lusk

Date: July 30, 1975

Address: 1725 W. Walnut
Roswell, N.M. 88701

(Individual)

STATE OF NEW MEXICO

COUNTY OF CHAVES

The foregoing instrument was acknowledged before me this 30 day
of July, 1975, by Henry Oliver Lusk - - - - -
- - - - - , ~~NOTARY PUBLIC~~

My Commission Expires:
October 8, 1978

Richard J. Bean
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day
of _____, 1975, by _____ of
_____, a _____
corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

Wendell Trumond Lusk

ATTEST:

Address: 3259 Bellinger Lane
Medford Oregon
97501

Date: July 31, 1975

(Individual)

STATE OF Oregon
COUNTY OF Jackson

The foregoing instrument was acknowledged before me this 31st day of July, 1975, by Wendell Trumond Lusk, husband and wife.

My Commission Expires:
4-23-78

Mary Pat Vergara
Notary Public

(Corporate)

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Wesley Conklin Lusk

Address: 2724 W. Mulberry

Date: 8/8/75

Fort Collins, Colorado 80521

(Individual)

STATE OF COLORADO

COUNTY OF Larimer

The foregoing instrument was acknowledged before me this 8th day of August, 1975, by Wesley Conklin Lusk, ~~husband and wife~~.

My Commission Expires:

8/5/79

Bailean Henon
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Kal McPeters
Roselyn M. McPeters

Address: P. O. Box 1919

Date: July 30, 1975

Hobbs, New Mexico 88240

(Individual)

STATE OF NEW MEXICO

COUNTY OF LEA

The foregoing instrument was acknowledged before me this 30th day of July, 1975, by K. D. McPeters and Roselyn M. McPeters, husband and wife.

My Commission Expires:
April 1, 1978

Rayne Swinney
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Margaret M. McPherson

Address: 214 East Yucca Drive
Albuquerque, NM 87240

Date: September 19, 1975

(Individual)

STATE OF New Mexico

COUNTY OF Santa Fe

The foregoing instrument was acknowledged before me, this 19 day of September, 1975, by Margaret M. McPherson
husband and wife

My Commission Expires:

June 30, 1977

June Woodard
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

R. L. McPherson

Address: - R. L. McPherson
P. O. Box 1388
Oklahoma City, Okla. 73101

Date: 10/14/75

(Individual)

STATE OF Okla

COUNTY OF Okla

The foregoing instrument was acknowledged before me this 14th day of Oct, 1975, by R. L. McPherson, husband and wife.

My Commission Expires:
6/24/78

Gail McBratney
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

MARSHALL BROTHERS Ltd.
By: *William S. Marshall*
William S. Marshall, Partner
Address: P. O. Box 874

Date: 7-11-75

Midland, Texas 79701

(Individual)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 11th day of July, 1975, by William S. Marshall, ~~husband and wife~~.

My Commission Expires:
6-1-77

Jonas E. Upfold
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Robert H. Ritchie
Robert H. Ritchie, Secretary

MARSHALL & WINSTON, INC.
By: William S. Marshall
William S. Marshall, President
Address: P. O. Box 874

Date: July 11, 1975

Midland, Texas 79701

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day
of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this 11th day
of July, 1975, by William S. Marshall, President of
Marshall & Winston, Inc., a Nevada
corporation, on behalf of said corporation.

My Commission Expires: _____

6-1-77

James E. Upfold
Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Melode Hall

Mercedes M. Martin

Address: Box 519

Date: October 22, 1975

Anchorage, Alaska 99510

(Individual)

STATE OF Alaska

COUNTY OF _____

The foregoing instrument was acknowledged before me this 22nd day of October, 1975, by _____, husband and wife.

My Commission Expires:
March 12, 1977

RS Jeffrie
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

R. M. Moran

Brenda Anne Moran

Address: Box 1919

Date: _____

Holtz, N.M. 88240

(Individual)

STATE OF NEW MEXICO

COUNTY OF LEA

The foregoing instrument was acknowledged before me this 20th day of August, 1975, by R. M. and Brenda Anne Moran, husband and wife.

My Commission Expires:

MY COMMISSION EXPIRES DEC. 6, 1976

Nancy A. Mulley
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

James R. Roop
Almeda M Roop

Address: 3609 Shell, Midland, TX 79701

Date: July 18, 1975

(Individual)

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me this 18th day of July, 1975, by James R. Roop and Almeda M. Roop, husband and wife.

My Commission Expires:
June 1, 1977

Shelma Wright
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

John Schneider

Address: 935 - W. BARNARD

Date: _____

SOLANA BEACH, CA. 92078

(Individual)

STATE OF Calif

COUNTY OF San Diego

The foregoing instrument was acknowledged before me this 30th day of September, 1975, by John Schneider, husband and wife.

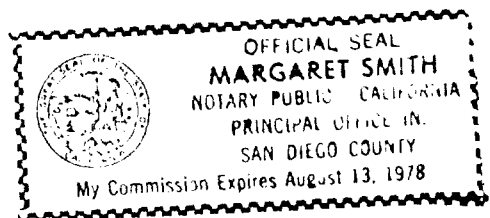
My Commission Expires: _____

Margaret Smith
Notary public

(Corporate)

STATE OF _____

COUNTY OF _____



The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires: _____

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

[Signature]

Roma Lusk Smith

Address: 3005 Encanto Drive
Roswell, New Mexico 88201

Date: 7-29-75

(Individual)

STATE OF New Mexico

COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 29th day of July, 1975, by Roma Lusk Smith, husband and wife.

My Commission Expires:
March 16th, 1977

[Signature]
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

C. E. Strange
C. E. STRANGE
Sherrie R. Strange
SHERRIE R. STRANGE
Address: P. O. Box 61

Date: July 14, 1975

Bakersfield, California 93302

(Individual)

STATE OF CALIFORNIA

COUNTY OF KERN

The foregoing instrument was acknowledged before me this 14th day of July, 1975, by C. E. STRANGE and SHERRIE R. STRANGE, husband and wife.

My Commission Expires:
LAURA ZINN
NOTARY PUBLIC
KERN COUNTY
RECEIVED
JULY 14, 1975

Laura Zinn
Notary Public
(Corporate)

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Thomas G. Slanker Jr.

Address: 22318 E. Dimuba Ave.

Date: Nov. 3, 1975

Dimuba, Ca. 93618

(Individual)

STATE OF California
COUNTY OF Tulare

The foregoing instrument was acknowledged before me this 4th day of June, 1975, by Thomas G. Slanker Jr. husband and wife.

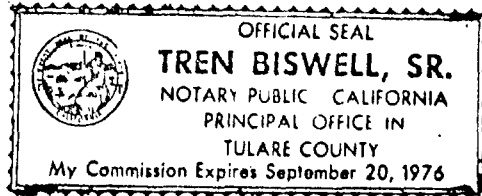
My Commission Expires:

Sept 20 - 1976

Tren Biswell Sr.
TREN BISWELL SR.
Notary Public

(Corporate)

STATE OF _____
COUNTY OF _____



The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

M. L. Barman

Robert L. Summers
Louise C. Summers

Address: 1004 Sandia Dr., Hobbs, N.M.

Date: October 7, 1975

(Individual)

STATE OF New Mexico

COUNTY OF Lea

The foregoing instrument was acknowledged before me this 7 day of October, 1975, by Robert L. Summers and Louise C. Summers, husband and wife.

My Commission Expires:
My Commission Expires March 24, 1979

Jane Paulowsky
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ATTEST:

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

SUN OIL COMPANY (DELAWARE)

By [Signature]
Agent and Attorney in Fact

Address: 12850 Hillcrest Road

Date: November 13, 1975

Dallas, Texas 75230

APPROVED	
Legal	<u>WJ</u>
T. R.	<u>R. J. M.</u>
Gas	
Land	<u>WJ</u>
U&JO	<u>WJ</u>

(Individual)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____, husband and wife.

My Commission Expires: _____

Notary Public

(Corporate)

STATE OF TEXAS

COUNTY OF DALLAS

The foregoing instrument was acknowledged before me this 13th day of November, 1975, by JOHN W. STOREY Agent and Attorney in Fact of SUN OIL COMPANY (DELAWARE), a Delaware corporation, on behalf of said corporation.

My Commission Expires: _____

Louise M. Jover
Notary Public

January 1, 1977

FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ATTEST:

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

TEXACO INC.

B4

Address: P. O. Box 3109

Date: October 2, 1975

Midland, Texas 79701

(Individual)

STATE OF

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day
of _____, 1975, by _____
_____, husband and wife.

My Commission Expires:

Notary Public

(Corporate)

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me this 2nd day
of March, 1973, by James E. York, Attorney-at-Law at St.

Delaware

of said corporation.

My dear Captain Dyer,

Notary Public in and for Mecklenburg
County, Texas

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

A. T. Williamson
Gladys Williamson

Address: 1630 Harvard Court

Date: July 30, 1975

Hobbs, New Mexico 88240

(Individual)

STATE OF NEW MEXICO

COUNTY OF LEA

The foregoing instrument was acknowledged before me this 30th day of July, 1975, by A. T. Williamson and Gladys Williamson, husband and wife.

My Commission Expires:
April 1, 1978

Wayne Swinney
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Donald Winston, Trustee under
Trust dated 12-31-41

[Signature]

Address: _____
MINNEAPOLIS, MINN. 55401

Date: August 14, 1975

(Individual)

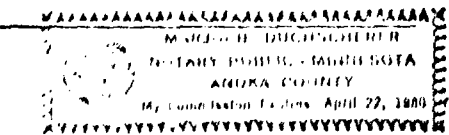
STATE OF MINNESOTA

COUNTY OF ANOKA

The foregoing instrument was acknowledged before me this 14th day of August, 1975, by Donald Winston, Trustee, ~~XXXXXXXXXXXX~~.

My Commission Expires:

[Signature]
Notary Public



(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

The undersigned Royalty Owner or Overriding Royalty Owner in said Unit Agreement, which embraces certain lands in Townships 14 and 15 South, Ranges 29 and 30 East, N.M.P.M., for valuable consideration paid, hereby ratifies, confirms and joins in the execution of said Unit Agreement (which is incorporated herein by reference) to the same extent and effect as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof. The undersigned does further commit all of the undersigned's right, title and interest in and to the Unitized Substances to the terms, provisions and agreements in said Unit Agreement.

The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

R. Walter Zealand

Address: 3650 So. Federal Blvd. SP #188

Date: November 4, 1975

Englewood, Colo. 80110

(Individual)

STATE OF COLORADO

COUNTY OF DENVER

The foregoing instrument was acknowledged before me this 4th day of November, 1975, by R. Walter Zealand

, husband and wife.

My Commission Expires:
3/20/78

Notary Public

(Corporate)

STATE OF

COUNTY OF

The foregoing instrument was acknowledged before me this ____ day of _____, 1975, by _____ of

_____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Henry R. Wilson

HENRY R. WILSON

Address: SURETY TOWER

Date: 10-6-75

6044 GATEWAY BLVD. EAST
EL PASO, TEXAS 79905

(Individual)

STATE OF Texas

COUNTY OF El Paso

The foregoing instrument was acknowledged before me this 6th day
of October, 1975, by Henry R. Wilson
, husband and wife.

My Commission Expires:
6/1/77

Dolores Moreno
Notary Public Dolores Moreno

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day
of _____, 1975, by _____ of
_____, a _____
corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Colleen McWallace

Address: 2 Violet Court

Date: Oct 13, 1975

NLR Sub 7216
North Little Rock

(Individual)

STATE OF Arkansas

COUNTY OF PULASKI

The foregoing instrument was acknowledged before me this 13th day of October, 1975, by Colleen M. Wallace, ~~husband and wife~~.

My Commission Expires: 7-1-79

Lowell Wren
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ corporation, on behalf of said corporation.

My Commission Expires: _____

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Delbert Meyer

Address: _____

Date: _____

(Individual)

STATE OF Texas

COUNTY OF Tarrant

The foregoing instrument was acknowledged before me this 10th day of September, 1975, by Delbert Meyer, husband and wife.

My Commission Expires:

June 1, 1977

Wm. H. Evans
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
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ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

[Signature]

Melode Hall

Address: *Box 519*

Date: *October 22, 1975*

Cinch, Alaska 99510

(Individual)

STATE OF *Alaska*

COUNTY OF _____

The foregoing instrument was acknowledged before me this *22nd* day of *October*, 1975, by _____, husband and wife.

My Commission Expires:

March 17, 1977

[Signature]
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Ernestine Harris Harrison

W. M. Foster

Address: 504 South Pine

Date: July 29, 1975

Roswell, New Mexico

(Individual)

STATE OF NEW MEXICO

COUNTY OF CHAVES

The foregoing instrument was acknowledged before me this 29th day of July, 1975, by Ernestine Harris Harrison, ~~husband and wife~~.

My Commission Expires:
Jan. 15, 1979

Norma Jean Steward
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Travis Eustace Harris
Era L. Harris

Address: Box 825

Date: Tatum, NM 88267

(Individual)

STATE OF New Mexico

COUNTY OF Lea

The foregoing instrument was acknowledged before me this 11 day of August, 1975, by Travis Eustace Harris & Era L. Harris, husband and wife.

My Commission Expires:
11-22-76

Jerri Lawlis
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION OF THE
DOUBLE L QUEEN UNIT
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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Eula A. Harris

Address: 203 So. Poplar Ave.,
Roswell, N. Mexico 88201

Date: 7/29/75

(Individual)

STATE OF New Mexico

COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 29 day
of July, 1975, by _____, husband and wife.

My Commission Expires:

12/9/75

[Signature]
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day
of _____, 1975, by _____, a _____
corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
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DOUBLE L QUEEN UNIT
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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

[Signature]

Dennis Ray Harris
Gertrude J. Harris

Address: Box 156

Date: 9/19/75

San Antonio New Mexico
878-31

(Individual)

STATE OF New Mexico

COUNTY OF SOCORRO

The foregoing instrument was acknowledged before me this 19 day of SEPTEMBER, 1975, by DENNIS RAY HARRIS & GERTRUDE J. HARRIS, HIS WIFE, husband and wife.

My Commission Expires:

7/5/78

[Signature]
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

David C. Hearn

Date: Aug 6, 1975

Address: P.O. Box 17
Artesia, N.M.

(Individual)

STATE OF N.M.

COUNTY OF Chavez

The foregoing instrument was acknowledged before me this 6 day of August, 1975, by David C. Hearn, husband and wife.

My Commission Expires:
3-30-78

B. W. Sanchez
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____, a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
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FOR THE DEVELOPMENT AND OPERATION OF THE
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CHAVES COUNTY, NEW MEXICO

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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

James Hirsch

Elberta Meyer Hammond

Date: 8/11/75

Address: 1735 Burnings Mill Rd
Humble, Texas 77338

(Individual)

STATE OF Texas

COUNTY OF Harris

The foregoing instrument was acknowledged before me this 11th day of August, 1975, by Elberta Meyer Hammond, husband and wife.

My Commission Expires:
6-1-77

Mary Long
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____ of _____ a _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

CONSENT TO AND RATIFICATION OF
UNIT AGREEMENT
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DOUBLE L QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

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The undersigned acknowledges the receipt of a copy of said Unit Agreement, and further acknowledges that this instrument has been signed and unconditionally delivered at the date shown.

ROYALTY OWNER OR
OVERRIDING ROYALTY OWNER

ATTEST:

Frances Harris Carpenter

Leola F. McHenry

Address: 509 S. Sequoia

Date: 7-29-75

Roswell, New Mexico

(Individual)

STATE OF N. Mex.

COUNTY OF Chaves

The foregoing instrument was acknowledged before me this 29 day of July, 1975, by Frances Harris Carpenter, husband and wife.

My Commission Expires:

6/2/79

Leola F. McHenry
Notary Public

(Corporate)

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 1975, by _____, a _____ of _____ corporation, on behalf of said corporation.

My Commission Expires:

Notary Public

PROPOSED
DOUBLE L QUEEN FIELD UNIT
CHAVES COUNTY, NEW MEXICO

SECOND EDITION ENGINEERING COMMITTEE REPORT
OCTOBER 1, 1973

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1-2
SUMMARY AND CONCLUSION	3
SECONDARY RESERVES	4-6
ECONOMICS	7-10
GEOLOGY	11-13
WATER AVAILABILITY	14
FLOOD PATTERN	15
PARAMETERS	16-20

CURVE PRODUCTION HISTORY AND ESTIMATE

MAP NO. 1	-	Location Map	Chaves County
2	-	Lease Map &	Tenative Pattern
3	-	Isopach Map	
4	-	Structure Map	

PROPOSED DOUBLE L QUEEN FIELD
CHAVES COUNTY, NEW MEXICO

INTRODUCTION

The Double L Queen Field is located in Township 14 and 15 South and Range 29 and 30 East which is 15 miles north of Loco Hills in southeastern Chaves County, New Mexico.

Production from the field was first secured in April 1969 from Dalport's Spurck State Lease. The field developed rapidly thereafter with peak production reached in August 1970 with a monthly average of 1439 barrels per day. Production as of November 1972 averaged 606 barrels per day and cumulative production as of 12/1/72 is 1,123,912 barrels. There have been eleven dry holes drilled during the process of outlining the field and there are presently 55 wells in the field usable for flood purposes.

Completion practices did not vary widely from well to well in the field. Most wells were completed by setting either 4 1/2 or 5 1/2 inch casing through the formation and cementing. The casing then being perforated for completion and sandfraced with an average of some 20,000 gallons of treating fluid and 25,000 pounds of sand.

Crude oil is approximately 36.5^o API and proceeds to the producer at this time are approximately \$3.77 per barrel after deducting taxes. The purchaser is Navajo Refining Co.

There are approximately 2,669.31 surface acres in the properties being considered for inclusion in the flood.

First, discussion toward unitization was had at an operators meeting held June 9, 1970 in Dallas and efforts to unitize have continued since that time, the last meeting being held in Midland on September 12, 1973.

The unit area was determined by including all the acreage which appeared to have productive sand as reflected by the isopachous map. Some acreage is therefore, included which does not have a well on the 40 acres. It was felt necessary to include a minimum of this acreage in order to protect the unit.

SUMMARY & CONCLUSIONS

The engineering committee anticipates that:

- (1) Secondary oil can be produced at a ratio of 1.14 to that of estimated ultimate primary which would yield approximately 1,865,000 barrels of additional oil.
- (2) The life of the flood would extend over a period of approximately 10 years.
- (3) A total profit of \$4,701,501 before Federal Income Taxes would be gathered over the life of the flood.
- (4) An effort to unitize the field should be made using an acceptable formula including a portion of the enclosed parameters.
- (5) Continued operation on a primary basis would result in remaining profits before Federal Income Taxes of \$658,455 before reaching the economic limit.

SECONDARY RESERVES

The nearest Queen Sand flood is that of the Sulimar field which is directly south of this property and operated by Jack McClellan. The Sulimar flood is relatively new as water injection was started in January of 1972. The lowest production rate obtained from the Sulimar area was approximately 3900 barrels in February 1972 and has increased to an indicated monthly rate of 11500 barrels over the first few days of November, 1972. Premature water breakthrough has not been a problem. The purpose of the above is to indicate that floodable Queen Sand is located in the immediate vicinity of the proposed Double L Unit. It is, of course, well known that there have been many successful Queen Sand floods over a portion of New Mexico and Western Texas.

Secondary reserves and associated water requirements have been calculated in the following manner.

BASIC DATA:

55 wells on 40 acre spacing, 2,200 proration acres.
 Volume = 10,077 acre feet. (V) Average t = 4.16 feet
 Porosity = .21 (ϕ)
 Connate water = .35 (S_w , estimated from Sulimar report)
 Initial reservoir pressure = 730 psi @ D = 1,950 feet
 Bo_i = 1.13 Vol/Vol Bo flood start = 1.07 Vol/Vol (200 psi)
 R_t = 94° F (estimated at 80°/°F)
 Crude Gravity = 34° API
 Primary Recovery (Decline Curve) = 1.470 MMB

PORE VOLUME

V_p = 7,758 .V. ϕ
 V_p = 7,758 10,077 .21 = 16.417 MMB

ORIGINAL OIL IN PLACE

$$N = V_p(1-S_w)/B_{oi} = 16.417 (1-.35)/1.13 = 9.444 \text{ MMB}$$

PRIMARY RECOVERY EFFICIENCY - Percent of oil in place

$$E_p = N_p/100N = 1.470/9.444 = 15.56\%$$

REMAINING PRIMARY RECOVERY, 9-1-72

$$\text{Ultimate Primary} = 1,470 \text{ M Bbl}$$

$$\text{Cumulative 12-1-72} = \underline{1,124}$$

$$\text{Remaining Primary} = 346$$

OIL SATURATION AT FLOOD START

Assume water injection starts at $p_r = 200$ psi on 1-1-74 with cumulative recovery = 1.277 MMB.

$$S_{os} = \frac{(N-N_p)}{V_p} \quad B_o = \frac{(9.444 - 1.277)}{16.417} \quad 1.07 = .532$$

GAS SATURATION AT FLOOD START

$$S_g = 1 - S_{os} - S_w = 1 - .532 - .350 = .118$$

THEORETICAL FILL UP VOLUME

$$W_f = S_g \cdot V_p = .118 \cdot 16.417 = 1.937 \text{ MMB}$$

Assume 50% of injection is effective requirement = 3.874 MMB

INJECTION RATE

From Sulimar Pool experience average injection rate is assumed to be 300 B/D/well during fill-up.

FILL-UP TIME

For 25 injection well depletion plan injection volume = 225, MB/month
 $T = 3.874/225 = 17.2$ months after start of full scale injection.
 (Use 18 mo. @ 7,000 B/D)

WATERFLOOD RECOVERY - From Flood Start

Caprock Queen residual oil after flooding was 58.6% V_{phc}

Assume floodable portion of Double "L" is same.

$$S_{or} = .586 \cdot (1-S_w) = .38$$

$$H_f = V_{pc} (S_{os} - S_{or}) / B_o$$

V_{pc} = pore volume contacted by flood.

V_{pc} = 80% of total pore volume from preliminary examination of injection pattern.

$$N_f = 16,417 (.80) (.532 - .380) / 1.07$$

$$N_f = 1.865 \text{ MB}$$

SECONDARY RECOVERY

$$N_s = N_f - N_p \text{ (remaining)}$$

$$N_s = 1,865 - (1,470 - 1,277) = 1,672 \text{ MB}$$

ULTIMATE RECOVERY: RECOVERY FACTOR

$$N_u = 1,672 + 1,470 = 3,142 \text{ MB (1430 B/ac or 311.8 B/acft)}$$

$$\text{Recovery Factor} = 1.672/1.470 = 1.14 \text{ Secondary/Primary}$$

PEAK RATE

With an "effective" injection of 125 MB/month the peak producing rate is expected to be about 25% of injection rate or 30 MB/Mo. This is 75% of the 40 MB/Mo. primary producing rate experienced and is considered reasonable. (Average for 28 wells = 35.7 B/well/day)

WATER REQUIREMENT

Total water injected is expected to be 0.8 pore volume or 13 million barrels. Raw water necessary for fill-up is expected to be 3.874 MMB and oil replacement at twice the produced volume will be 3.4 MMB for a total of 7.3 MMB.

ECONOMICS

The economic analysis which follows has been determined using figures which are thought reasonable for the depth and area.

OPERATING COSTS

Average Operating Costs are expected to be \$2,500/well/year, including district level overhead.

Raw water required for fill-up and make-up is estimated to cost 2.75¢/ barrel.

Handling of produced and make-up water is estimated to cost 0.5¢/barrel (Includes plant operating expense)

Workover Cost at \$500/well/year - first 3 years.

INVESTMENTS - FLOOD INSTALLATION

Well conversion expense @ \$2,000/well, 25 wells	=	\$50,000
Water Plant - designed to handle 7,500 B/D	=	37,500
Injection Lines & System, \$2,500/well, 25 wells	=	62,500
Water Return System. 5 miles @ \$10,000/mile	=	50,000
Relocate Batteries & Consolidate \$3,000/prod. well	=	<u>75,000</u>

\$275,000

ECONOMIC LIMIT OF OPERATIONS

SECONDARY

During the final stages of operation the operated wells will decline, however, equally compensating increase in lifting cost is assumed. The economic limit of operation is considered to be 3 Bbl./Well/Day for 50 wells.

PRIMARY

Economic limit is considered to be 3 Bbl./Well/Day with 50 wells operating.

ECONOMIC ANALYSIS - WATERFLOOD, Unit Effective 1-1-74

Oil Price = \$4.05/Bbl.

Gas Price 10.5¢/MCF

Production Tax - Oil = 28¢/Barrel ; Gas = .060 \$/\$ Gross

INCOME:

Gross Oil	1,865.0 MB	@ \$4.05	=	\$7,553,250
Gross Gas	3,431.0 MMCF	@ 10.5¢	=	360,255
Total				<u>7,913,505</u>
Net Income After .125 Royalty			=	6,924,316
Less Production Tax (Oil & Gas)			=	<u>543,815</u>
Total WI Income				\$ 6,380,501

EXPENSE:

Investment	\$275,000	
Workover	78,000	
Well Operation	1,060,000	
Water Cost	201,000	
Water Handling	<u>65,000</u>	\$1,679,000

Profit BFIT	\$4,701,501
-------------	-------------

ECONOMIC ANALYSIS - Remaining Primary (From 1-1-74)INCOME:

Gross Oil	193.0 MB	@ \$4.05	\$ 781,650
Gross Gas	2,402.0 MMCF	@ 10.5¢	<u>252,210</u>
Total			1,033,860
Net Income After .125 Royalty			904,627
Less Production Tax (Oil & Gas)			<u>69,172</u>
Total W.I. Income			\$ 835,455

EXPENSE

Well Operation	\$ <u>177,000</u>
----------------	-------------------

Profit BFIT	\$ 658,455
-------------	------------

DOUBLE "L" QUEEN FIELD
UNITIZED - SECONDARY RECOVERY

<u>YEAR</u>	<u>OIL MB</u>	<u>GAS MMCF</u>	<u>WELLS OPERATED</u>	<u>WELL OPERATION</u>	<u>OPERATING EXPENSE \$M</u>		<u>WORKOVERS</u>	<u>TOTAL</u>	<u>TANG \$M</u>	<u>INSTANG \$M</u>
					<u>RAW</u>	<u>PRODUCED WATER</u>				
1974	101.9	1,019	52	130.0	68.8	0.5	32.0	231.3	155.0	120.0
1975	288.5	967	52	130.0	66.0	2.5	26.0	224.5		
1976	360.0	360	52	130.0	22.3	5.5	20.0	177.8		
1977	312.0	312	50	125.0	16.5	6.5		148.0		
1978	240.0	240	48	120.0	11.0	8.0		139.0		
1979	180.0	180	46	115.0	8.2	9.0		132.2		
1980	138.0	126	40	100.0	5.5	9.0		114.5		
1981	104.4	102	36	90.0	2.7	9.0		101.7		
1982	79.2	75	35	87.5	0	9.0		96.5		
1983	<u>61.0</u>	<u>50</u>	13	<u>32.5</u>	<u>0</u>	<u>6.0</u>		<u>38.5</u>		
	1,865.0	3,431		1,060.0	201.0	65.0		1,404.0	155.0	120.0

INVESTMENT \$M

	<u>Tang</u>	<u>Intang</u>
Well Conversions	50.0	--
Water Plant	37.5	--
Injection Lines	37.5	25.0
Produced Water Return	30.0	20.0
Battery Relocation		<u>75.0</u>
	155.0	120.0

DOUBLE "L" QUEEN
CONTINUED PRIMARY

<u>YEAR</u>	<u>OIL MB</u>	<u>GAS MMCF</u>	<u>WELLS OPERATED</u>	<u>OPERATING EXPENSE (\$M)</u>
1974	120.0	1494.0	50	125.0
1975	<u>73.0</u>	<u>908.0</u>	50	<u>52.0</u>
	193.0	2402.0		177.0

GEOLOGY

Permian Queen sand is encountered in this field at a depth of 1950-2000 feet. The field is a large stratigraphic trap caused by loss of porosity and permeability updip to the west, forming a concave-eastward pinch-out line. Dip is 40' to 60' per mile in a southeasterly direction, causing a terrace. The gas-oil contact was cored at a datum of +1937' in the Dalport #8 Spurck. Several wells along the west margin of the oil field contained GOR's from 2000-1 to 30,000-1, due to proximity to the large gas cap to the west. These wells are as follows:

Amoco #1 Falgout - "A"	SE SE Sec. 23, 14S-29E
Amoco #1-EK	SE SW Sec. 25, 14S-29E
Dalport #8 Spurck	SE SE Sec. 36, 14S-29E
Dalport #1 Rob	SE NE Sec. 1, 15S-29E
McClellan #1 Barbara	SE SE Sec. 12, 15S-29E
Wolfson #1-C Amerada	NW NE Sec. 12, 15S-29E

As oil was produced, GOR's increased in wells situated at or near the gas-oil contact. This gas is 450-550 BTU containing 60-65% nitrogen.

The oil-water contact is erratic and tilts down to the north. In the southern part of the field, water is at +1915 in the Humbel #2 Hesse, SW NW Sec. 7, 15S-30E; at +1897 in the dry Wolfson #1-B Amerada, SE SE Sec. 31, 14S-30E; and +1895 in the Dalport #2 Amoco, SW NW Sec. 31, 14S-30E. No effective water

drive has been determined for the field, as the drive mechanism is due to expansion of the gas cap and solution gas. Updip and downdip margins of the field are delineated by loss of porosity as found in the Wolfson #1-A Amerada, NW SW Sec. 6, 15S-30E, and McClellan #2 Sun, SE SW Sec. 24, 14S-29E.

The pay is gray-brown, fine-grained to very fine-grained, fairly well sorted, subrounded quartz sand. Average core data is as follows:

Net Pay 6.2'	Oil saturation 17.3%
Porosity 21%	SW saturation 42.7%
Permeability (over 5 md) 121 md	Form. Vol. Factor 1.2

Thickest pay is found in the SW $\frac{1}{4}$ Sec. 31, 14S-30E, NW $\frac{1}{4}$ Sec. 6, 15S-30E, the east-central portion of Sec. 12, 15S-29E and NW $\frac{1}{4}$ Sec. 18, 15S-30E.

It is difficult to determine accurate net pay thickness from gamma-neutron logs, as Queen sand is characterized by local facies changes from productive, permeable tan-brown sand to tight nonpermeable red sand. The neutron log by itself cannot distinguish between tight and permeable sand. Acoustic or sidewall neutron logs can determine existence of porosity. Since all of the Dalport wells were cored and logged with a gamma-neutron device, it can be shown that only 1 to 11 feet of porosity exist in the total 17-foot sand interval. For this reason, net pay thicknesses were picked based on nearby gamma-neutron logs having

a core analysis, or on porosity in excess of 15% on acoustic logs. Also used was a 5 millidarcy cut off on the core analysis. In several instances, picks were resolved by negotiation between the operators.

The gas cap is west of and updip from the +1937 gas-oil contact. Wells that tested only dry gas are as follows:

Cactus #1 Falgout	SW NE Sec. 23, 14S-29E
Dalport #1 Hill	NE SW Sec. 26, 14S-29E
Dalport #2 Falgout	SW NE Sec. 26, 14S-29E
Dalport #1-A Hill	SE SW Sec. 35, 14S-29E
Dalport #1 Falgout	SW NE Sec. 35, 14S-29E
Dalport #1 Spurck	SW SW Sec. 36, 14S-29E
Grace #2 State	NW NE Sec. 1, 15S-29E
Luttrell #1 State	NE NE Sec. 2, 15S-29E
McClellan #1 Patrick	SE SW Sec. 12, 15S-29E
McClellan #2 Patrick	NW SE Sec. 12, 15S-29E
McClellan #1-B Lisa	NW NW Sec. 13, 15S-29E

In conclusion, dry holes with tight sand separate the south end of the Double L Field from the northern boundary of the Sulimar Queen Field. These holes are the McClellan #1-A Lisa, NE SW Sec. 13, 15S-29E; and McClellan #5-B Lisa, NE SE Sec. 13, 15S-29E. Because of this east-west barrier of impermeable sand, the Sulimar oil-water contact is 35' higher than the contact in the Double L Field.

Logs and core analysis are included in the back of this report.

WATER AVAILABILITY

It appears that the only readily available water supply is that furnished by Double Eagle Corporation of New Mexico. This company has laid a line into the Sulimar field and is furnishing water for that flood. It is understood that Sulimar is paying 2.75¢ for the water delivered to one central point and this is the figure used for the economic analysis. The general manager of Double Eagle was recently contacted and indicated that extra capacity should be available for the Double L Flood. The Double L flood should require more water over the life of the flood than Sulimar and it might be possible to negotiate a better price.

FLOOD PATTERN

A map is included which indicates proposed injection wells. It will be necessary to surround the field with wells in order to establish a proper drive especially in view of the fact the gas cap to the West will have to be blocked. Note that there are proposed a total of 19 water injection wells with 11 of these being located along the West in order that oil movement toward the gas cap can be efficiently handled.

PARAMETERS

Included on the following pages are parameters developed by the engineering committee for consideration by the operators. After considerable discussion and several meetings by the operators a two phase formula was developed which, it is believed, will afford equitable participation to the various tracts. The formula consists of two phases as follows:

Tract Participation during Phase I: 50% A + 50% B
Phase II: 55% C + 45% D

Where A = Ratio of the Volume of oil determined to be producible after 12/1/72 from each Tract to the summation of the volume of producible oil after 12/1/72 from all Tracts being 346,846 barrels.

B = Ratio of the gross income from each Tract to the summation of the gross income from all Tracts for the period 6/1/72 to 12/1/72 being \$415,900.18.

C = Ratio of the volume of oil determined to be ultimately producible from each Tract to the summation of the volume determined to be ultimately producible from all Tracts being 1,470,758 barrels.

D = Ratio of the Acre-Feet of originally productive oil reservoir from each Tract to the summation of Acre-Feet from all Tracts being 10,077.3 acre feet.

The various parameters were determined as follows:

Cumulative Production was secured from the reports of the New Mexico Oil Conservation Commission.

Period Production was, also, secured from the New Mexico Oil Conservation Commission.

Remaining Primary was determined from extrapolation of production curves. The economic limit was determined to be 3 varrels per well per day and remaining primary was extrapolated to this point. There were two exceptions being Amoco's (Pan American) Falgout A Lease and the Grace State Lease. It was felt that even though they were below the economic limit they would produce some oil and were therefore given a minimum of 1,000 barrels. The remaining reserves were calculated after a control date of December 1, 1972. Copies of individual lease extrapolations as well as field total curve are included in this report. The total remaining primary reserves from individual lease curves calculated 346,846 varrels. From the field total curve a figure of 345,600 barrels was obtained. As these figures are extremely close, it would indicate that the individual curves are reasonably accurate. Ultimate primary was, of course, obtained by adding the cumulative production and the remaining primary.

To obtain acre feet, an isopachous map was first drawn. The map was then enlarged and gridded on each 2-1/2 acres. Points were picked on the gridded map and accumulated for each tract.

The period income was calculated for the period 6/1/72 to 12/1/72. Both oil and gas sales were included in this figure. A price of \$3.32 per barrel and 7.5 cents per MCF was used to determine the figures. The gas sold from this area is low BTU and the price varies according to the BTU content, however, the 7.5 cent figure is average.

PARAMETERS
DOUBLE L QUEEN FIELD
CHAVES COUNTY, NEW MEXICO
6/1-12/1/72

	CUMULATIVE PRODUCTION 12/1/72	PERCENT CUM. PRODUCTION	PERIOD PRODUCTION	PERCENT PERIOD PRODUCTION	REMAINING PRIMARY	PERCENT REMAINING PRIMARY	ULTIMATE PRIMARY
Amoco Production Co.							
Falgout A	1,673	.149	323	288	1,000	.288	2,673
Lusk A	61,133	5.439	3,083	2,740	4,016	1.158	65,149
State EK	73,368	6.528	11,391	10,125	33,180	9.566	106,548
	<u>136,174</u>	<u>12.116</u>	<u>14,797</u>	<u>13,153</u>	<u>38,196</u>	<u>11.012</u>	<u>174,370</u>
Dalport							
Amco Federal	171,057	15.220	12,503	11,114	50,000	14.416	221,057
Rob	48,785	4.341	5,145	4,573	13,400	3.863	62,185
Spurck State	170,602	15.179	10,598	9,420	31,250	9.010	201,852
Sunset State	66,899	5.952	5,279	4,692	35,940	10.362	102,839
	<u>457,343</u>	<u>40.692</u>	<u>33,525</u>	<u>29,799</u>	<u>130,590</u>	<u>37.651</u>	<u>587,933</u>
Exxon							
De Smet Fed.	45,532	4.052	3,453	3,069	8,500	2.451	54,032
Hesse Federal	32,865	2.924	2,759	2,452	5,700	1.643	38,565
Florence Lusk	168,247	14.970	14,056	12,494	52,000	14.992	220,247
	<u>246,644</u>	<u>21.946</u>	<u>20,268</u>	<u>18,015</u>	<u>66,200</u>	<u>19.086</u>	<u>312,844</u>
Jack McClellan							
Elyse	56,901	5.063	5,751	5,112	23,000	6.631	79,901
Lois State	35,660	3.173	4,620	4,107	14,800	4.267	50,460
Lisa B. Federal	65,087	5.791	16,310	14,497	39,600	11.417	104,687
Sun State	17,781	1.582	2,150	1,911	3,100	.894	20,881
Sue Federal	28,089	2.499	1,722	1,531	2,500	.721	30,589
Barbara Federal	7,304	.650	1,068	949	3,700	1.067	11,004
Marion	--	--	--	--	--	--	--
Mary Jane Fed.	46,375	4.126	7,130	6,338	14,740	4.250	61,115
	<u>257,197</u>	<u>22.884</u>	<u>38,751</u>	<u>34,445</u>	<u>101,440</u>	<u>29.247</u>	<u>358,637</u>
Wolfson							
Amerada Fed.	4,109	.365	1,005	893	1,300	.375	5,409
Roark & Hooker							
Sun State	9,886	.880	3,569	3,172	8,120	2.341	18,006
Corrine Grace							
State	12,559	1.117	588	523	1,000	.288	13,559
TOTALS	1,123,912	100.000	112,503	100,000	346,846	100.000	1,470,758

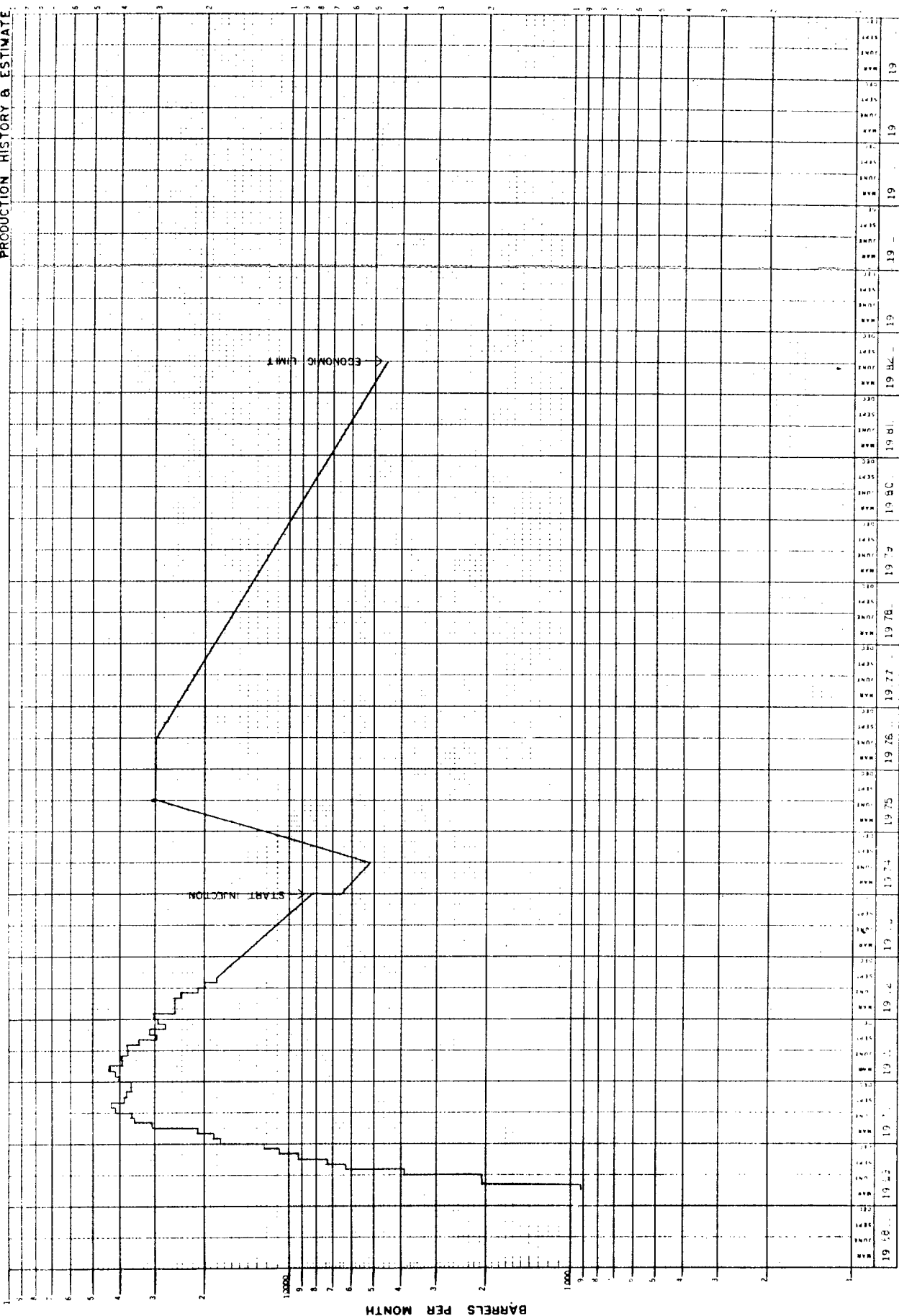
PARAMETERS
DOUBLE L QUEEN FIELD
(CONTINUED)

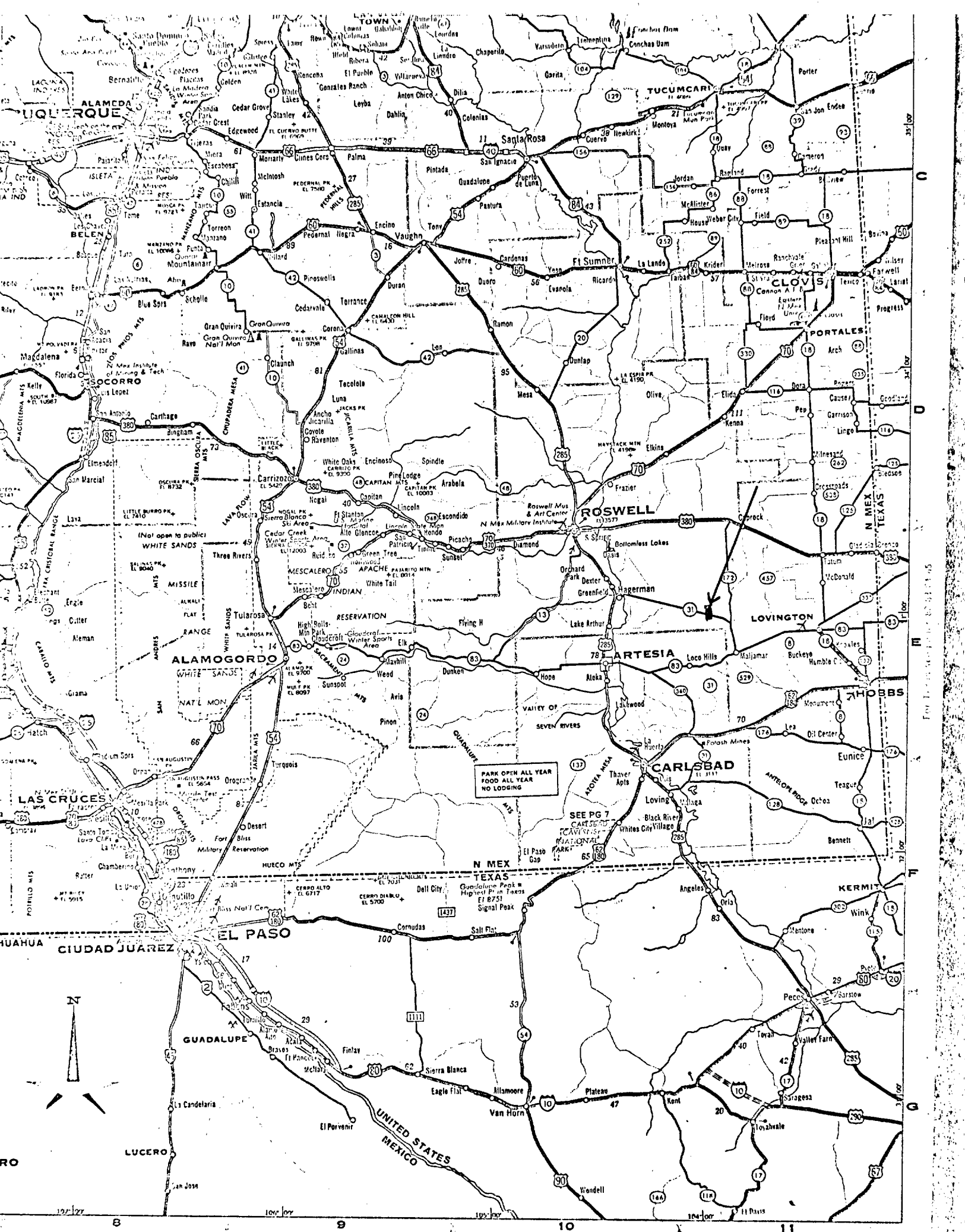
	PERCENT ULTIMATE PRIMARY	NO. WELLS USEABLE	PERCENT WELLS USEABLE	NO. WELLS PRORATION SCHEDULE	ACRE FEET	PERCENT ACRE FEET
Amoco Production Co.						
Falgout A	.182	1	1.818	1	146.2	1.450
Lusk A	4.430	3	5.454	2	434.5	4.312
State EK	7.244	5	9.092	5	441.0	4.376
	<u>11.856</u>		<u>16.364</u>		<u>1,021.7</u>	<u>10.138</u>
Dalport						
Amco Federal	15.030	5	9.092	5	1,556.1	15.442
Rob	4.228	3	5.454	3	626.1	6.213
Spurck State	13.724	11	20.000	9	1,921.6	19.069
Sunset State	6.992	2	3.636	2	542.2	5.380
	<u>39.974</u>		<u>38.182</u>		<u>4,646.0</u>	<u>46.104</u>
Humble						
De Smet Fed.	3.674	2	3.636	1	426.7	4.234
Hesse Federal	2.622	2	3.636	1	261.6	2.596
Florence Lusk	14.975	4	7.274	4	1,450.6	14.395
	<u>21.271</u>		<u>14.546</u>		<u>2,138.9</u>	<u>21.225</u>
Jack McClellan						
Elyse	5.433	2	3.636	2	269.4	2.673
Lois State	3.431	1	1.818	1	230.1	2.283
Lisa B. Federal	7.118	4	7.274	4	576.4	5.719
Sun State	1.420	1	1.818	1	195.7	1.942
Sue Federal	2.080	2	3.636	2	295.9	2.936
Barbara Federal	.748	1	1.818	1	96.1	.954
Marion	--	1	1.818	0	2.5	.025
Mary Jane Fed.	4.155	2	3.636	2	299.5	2.972
Section 13					<u>4.9</u>	<u>.049</u>
	<u>24.385</u>		<u>25.454</u>		<u>1,970.5</u>	<u>19.553</u>
Wolfson						
Amerada Fed.	.368	1	1.818	1	36.5	.362
Section 31					10.5	.104
Section 6					<u>6.5</u>	<u>.065</u>
					<u>53.5</u>	<u>.531</u>
Roark & Hooker						
Sun State	1.224	1	1.818	1	83.9	.833
Corrine Grace						
State	.922	1	1.818	1	162.8	1.616
TOTALS:	100.000	55	100.000	49	10,077.3	100.000

PARAMETERS
DOUBLE L QUEEN FIELD
(CONTINUED)

	6 MONTHS PERIOD TOTAL INCOME	PERCENT PERIOD INCOME
Amoco Production Co.		
Falgout A	\$3,268.36	\$ 0.786
Lusk A	10,517.86	2.529
State EK	47,293.47	11.371
	<u>61,079.69</u>	<u>14.686</u>
Dalport		
Amco Federal	44,435.34	10.684
Rob	18,705.45	4.498
Spurck State	40,548.01	9.749
Sunset State	20,475.05	4.923
	<u>124,163.85</u>	<u>29.854</u>
Humble		
De Smet Fed.	11,676.29	2.808
Hesse Federal	9,744.13	2.343
Florence Lusk	49,963.44	12.013
	<u>71,383.86</u>	<u>17.164</u>
Jack McClellan		
Elyse	19,416.87	4.669
Lois State	16,529.63	3.974
Lisa B. Federal	57,896.57	13.921
Sun State	7,338.03	1.764
Sue Federal	6,213.24	1.494
Barbara Federal	5,741.76	1.381
Marion	--	--
Mary Jane Fed.	24,216.32	5.823
	<u>137,352.42</u>	<u>33.026</u>
Wolfson		
Amerada Fed.	5,532.60	1.330
Roark & Hooker		
Sun State	12,239.60	2.943
Corrine Grace		
State	4,148.16	0.997
TOTALS:	415,900.18	100.000

DOUBLE L QUEEN FIELD
CHAVES CO. NEW MEXICO
PRODUCTION HISTORY & ESTIMATE





For Texas map see page 82-83-84-85

PARK OPEN ALL YEAR
FOOD ALL YEAR
NO LODGING

SEE PG 7
CARLSBAD
TEAVIN'S
NATIONAL
PARK
El Paso Gap
65 180

N MEX
TEXAS
Gundlup Peak
Highest Pt in Texas
El 8751
Signal Peak

Del City
Cerro Diablo
El 5700

Sierra Blanca
Eagle Flat
Van Horn

Plateau
Kent
Wendell

Valley Farm
Sistrigosa
Lonzvale

Peccos
Barstow
Pico

Wink
Montone
Bennett

Teague
Octoa
Jal

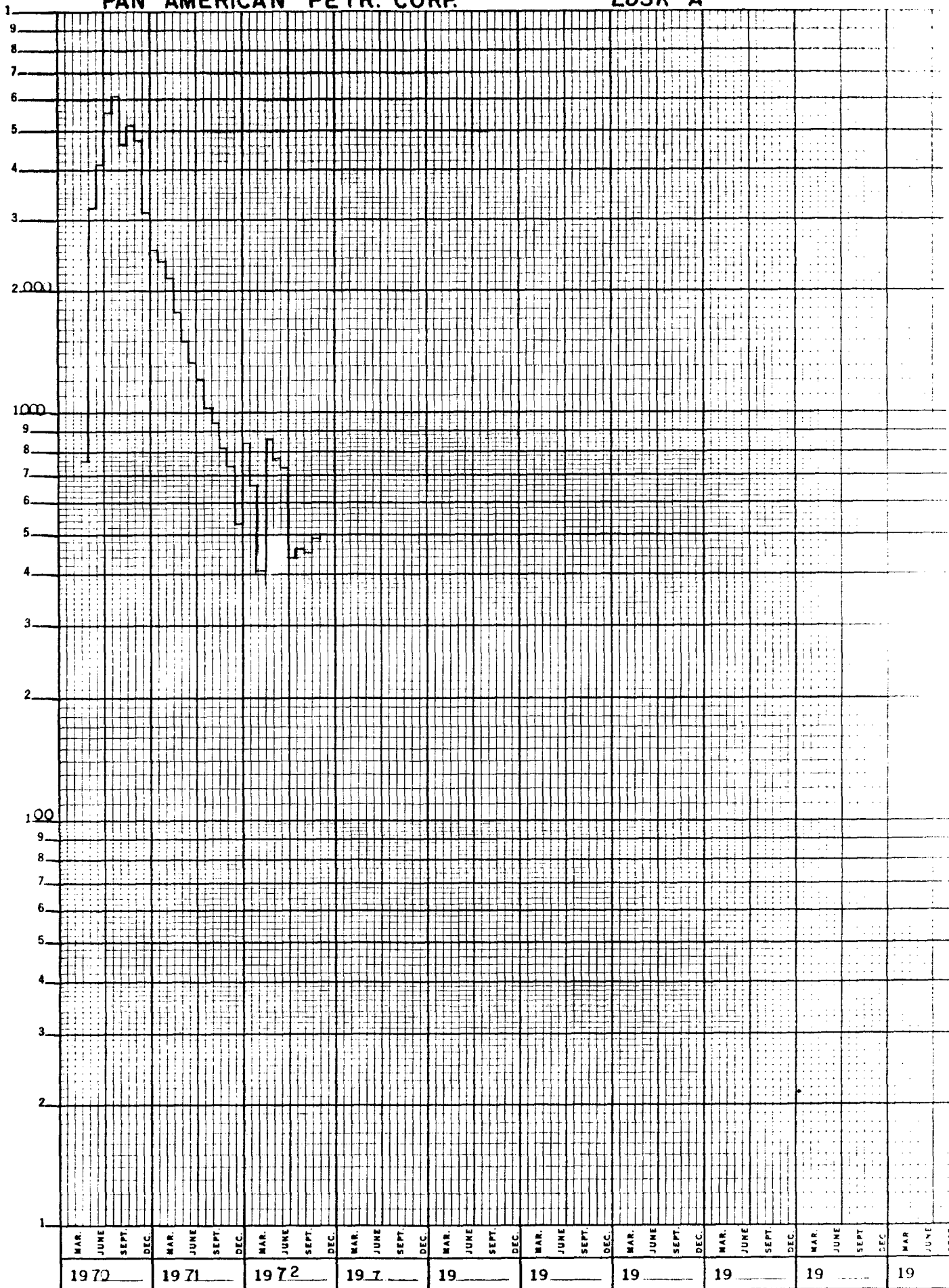
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Bennett
Bennett

Unice
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Bennett

K&E 20 YEARS BY MONTHS 47 6843
 X 3 LOG CYCLES MADE IN U.S.A. •
 KEUFFEL & ESSER CO.

PAN AMERICAN PETR. CORP.

LUSK A

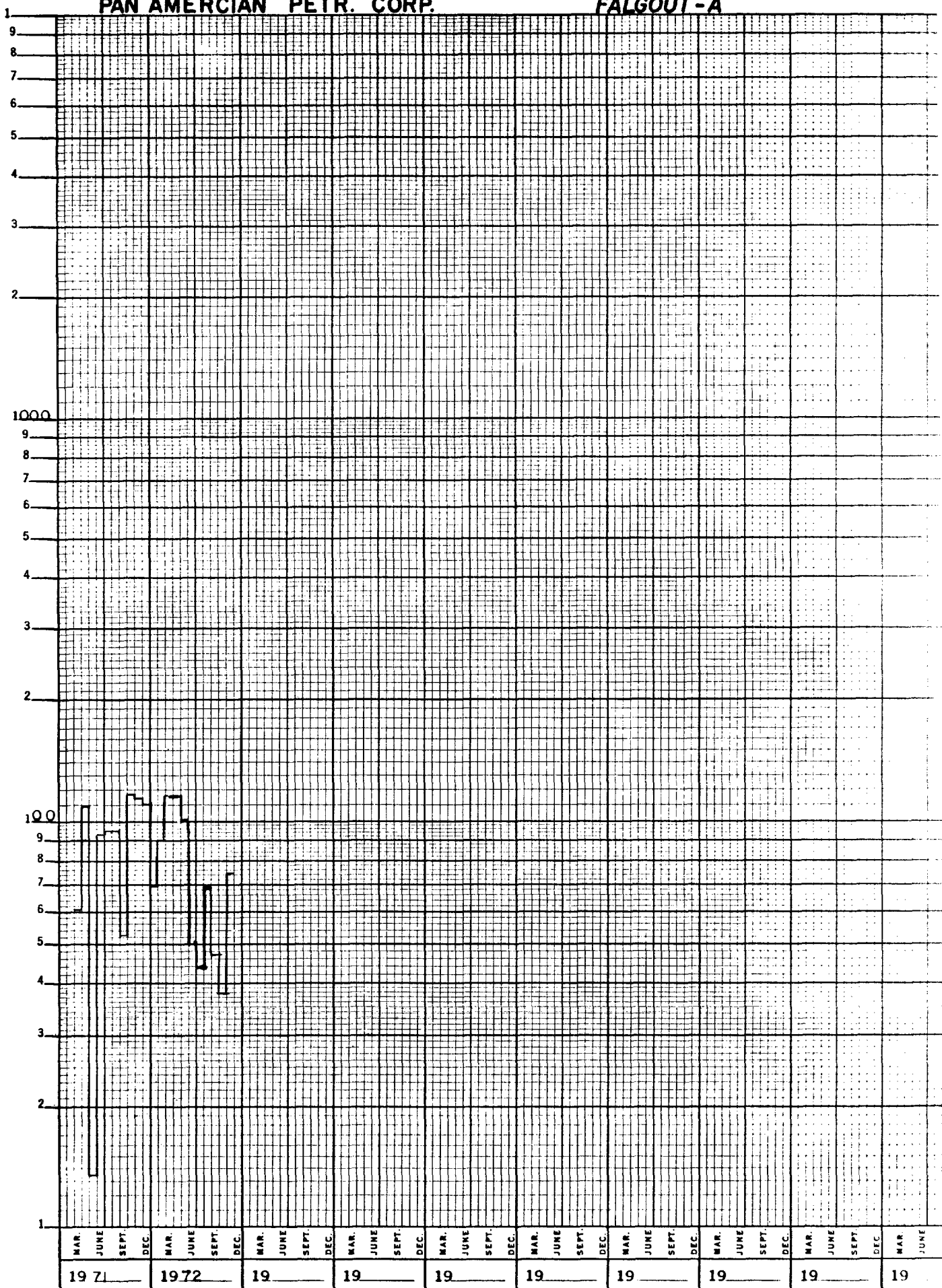


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K&E 20 YEARS BY MONTHS
X 3 LOG CYCLES
KEUFFEL & ESSER CO.

PAN AMERICAN PETR. CORP.

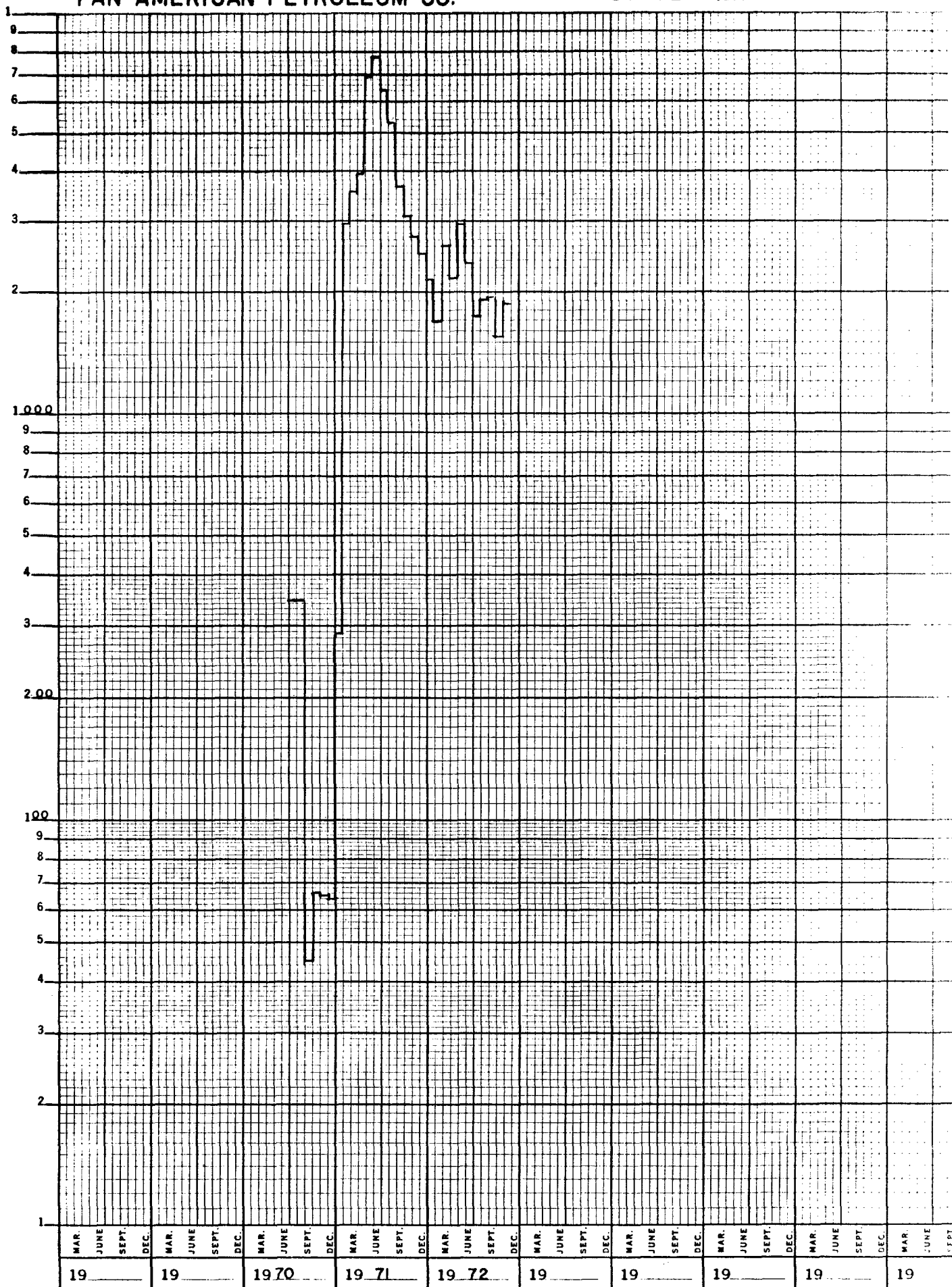
FALGOUT-A




 20 YEARS BY MONTHS
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 KEUFFEL & ESSER CO.
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PAN AMERICAN PETROLEUM CO.

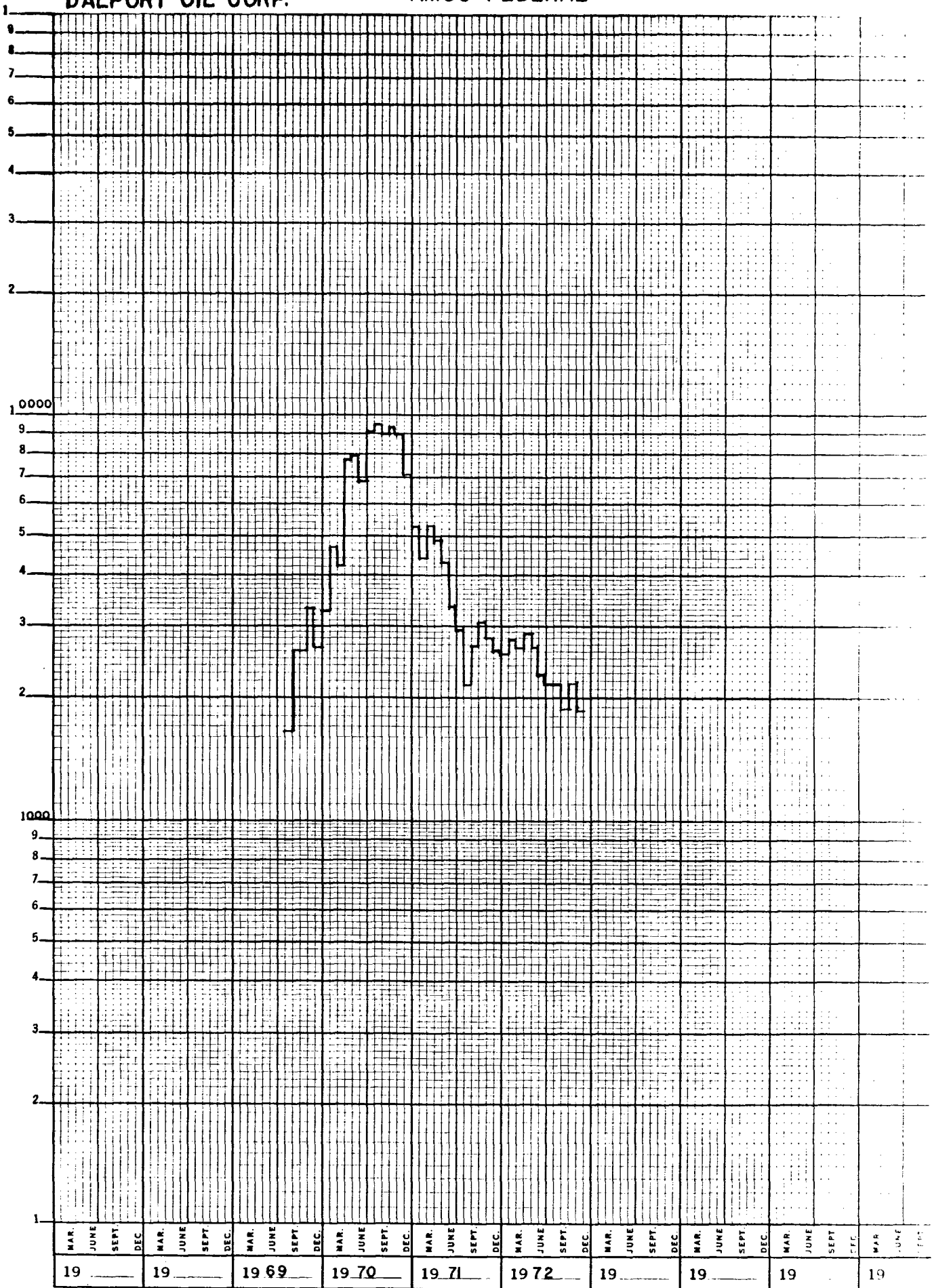
STATE EK



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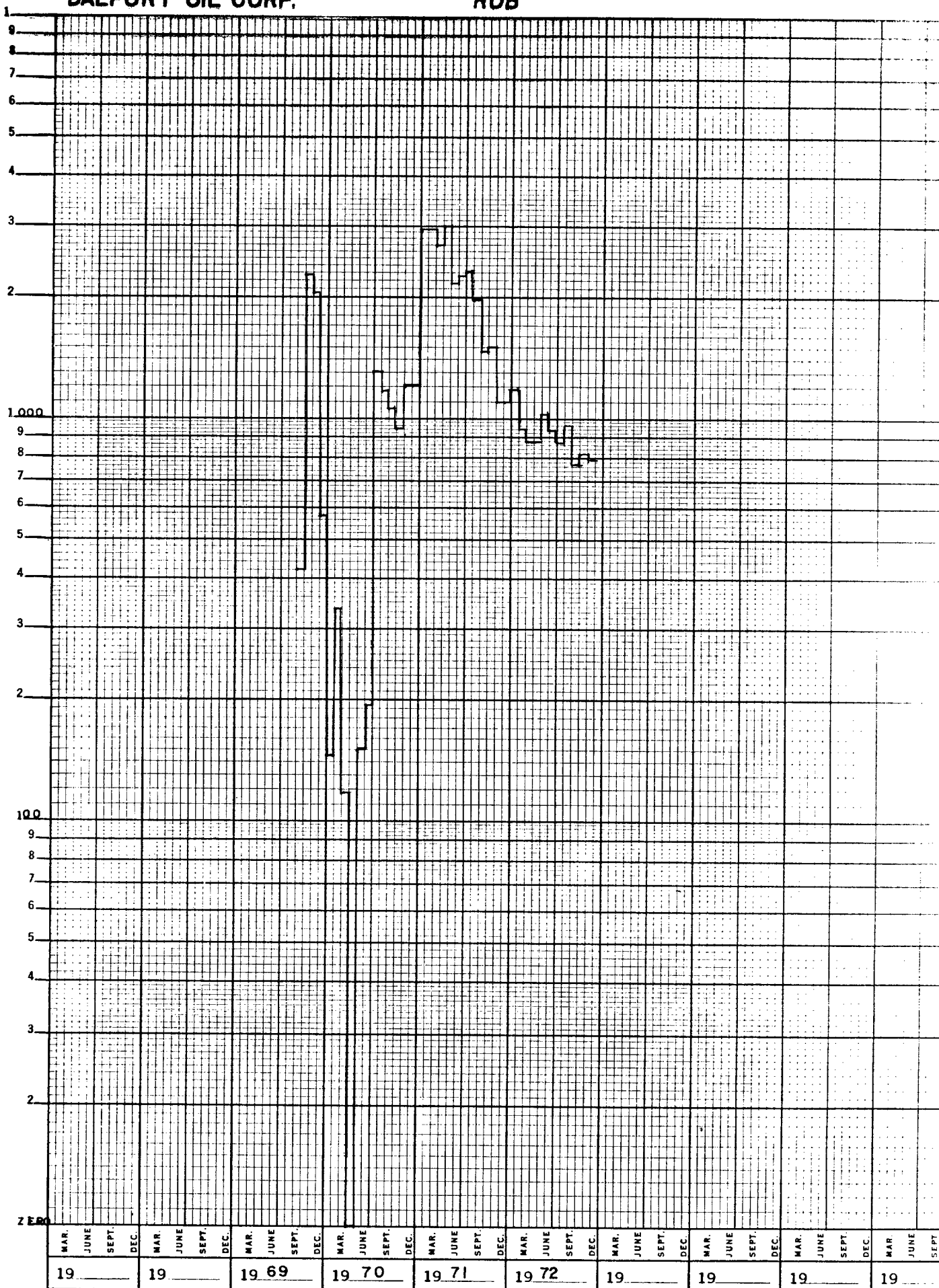
DALPORT OIL CORP.

AMCO FEDERAL



DALPORT OIL CORP.

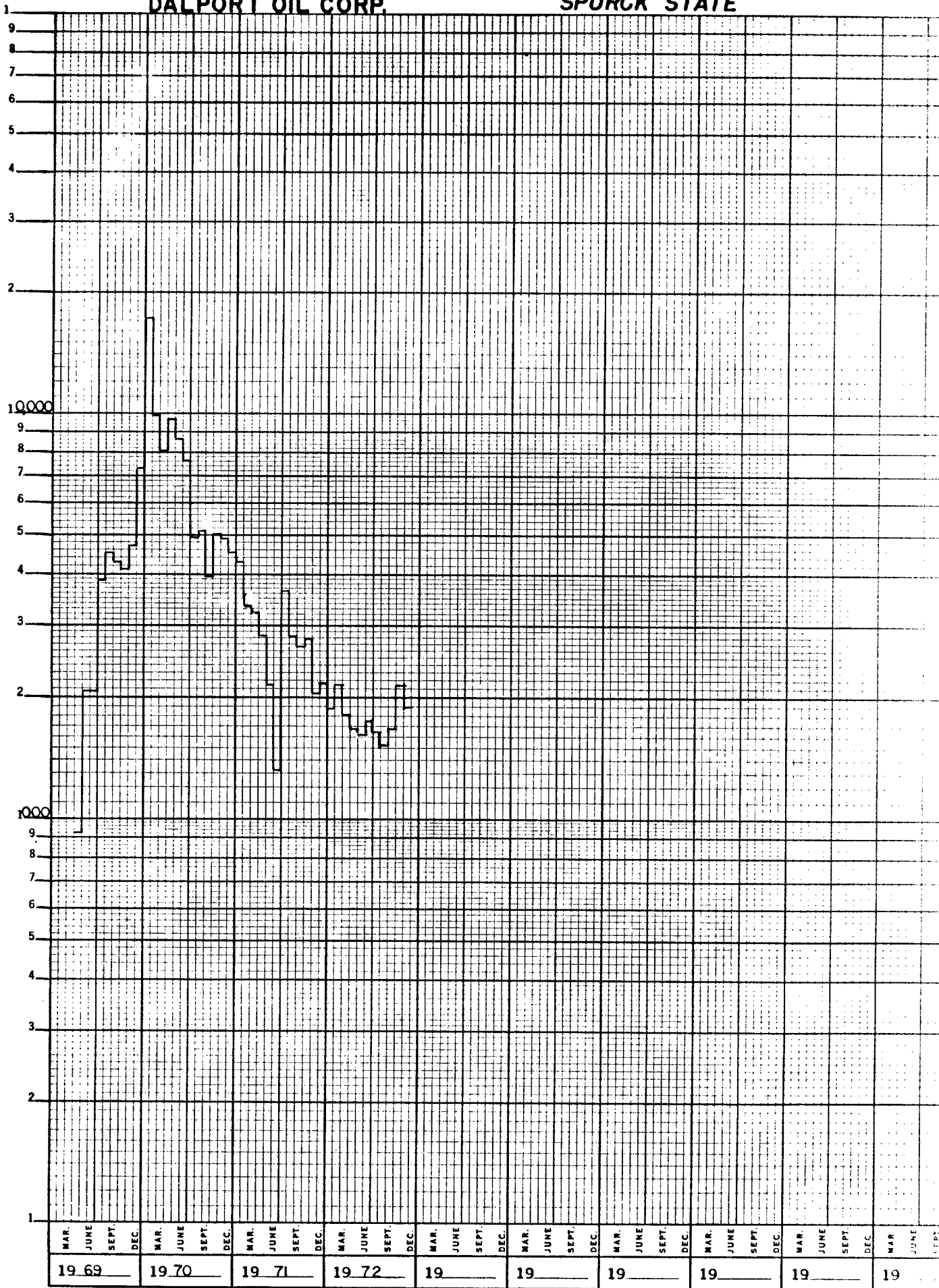
ROB



K&E 20 YEARS BY MONTHS 47 6843
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 KEUFFEL & ESSER CO.

DALPORT OIL CORP.

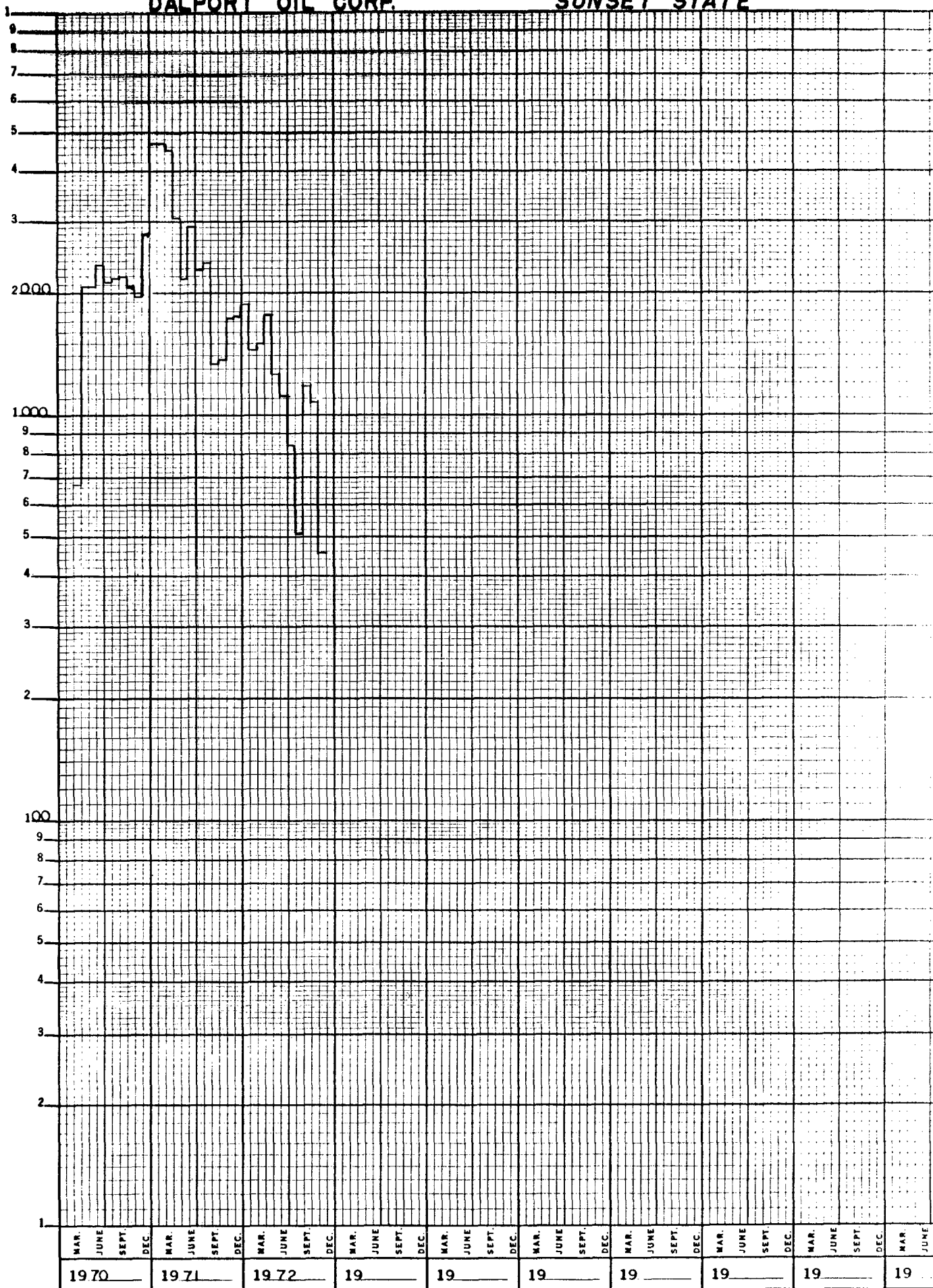
SPURCK STATE



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 KEUFFEL & ESSER CO.

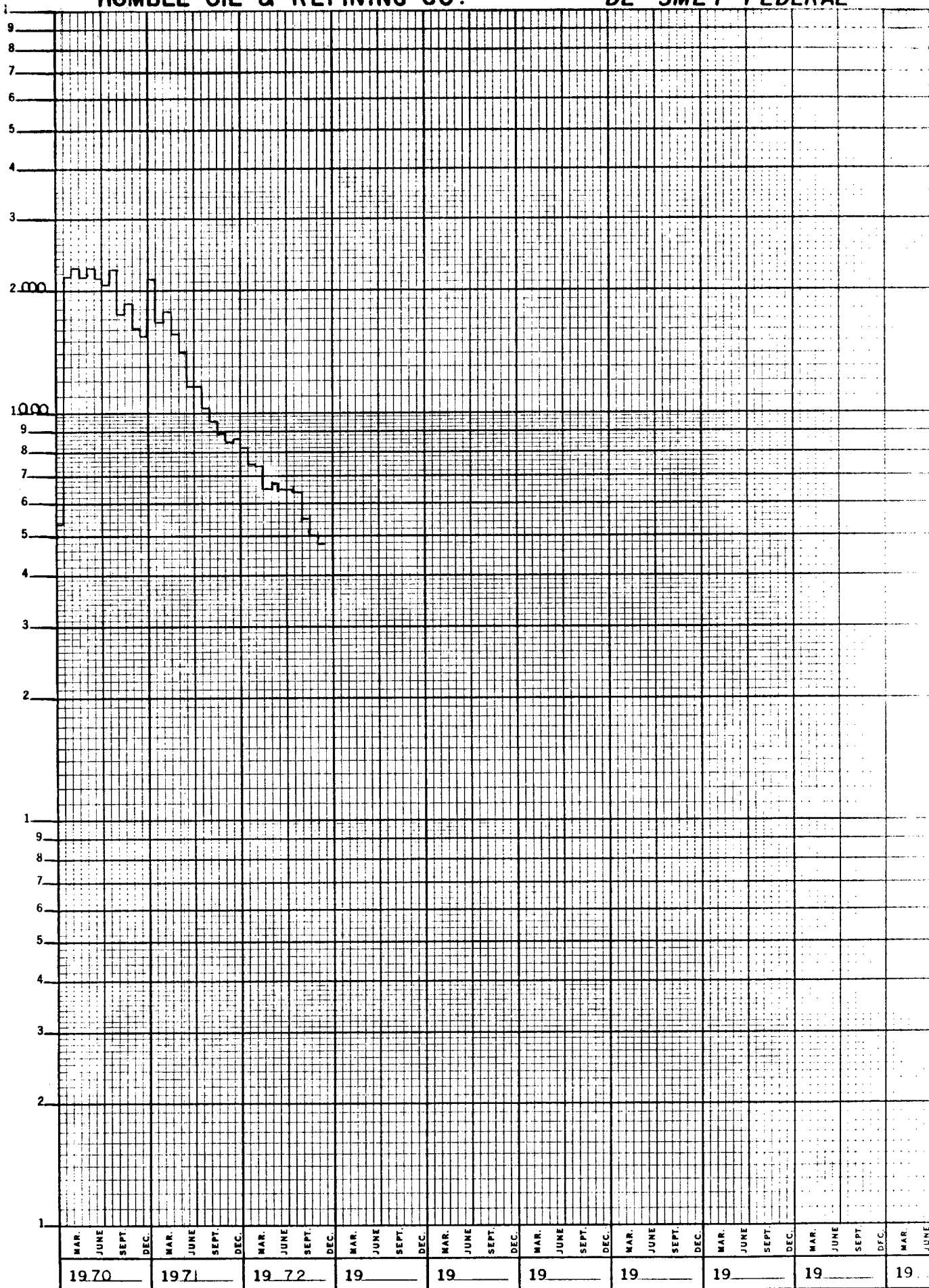
DALPORT OIL CORP.

SUNSET STATE

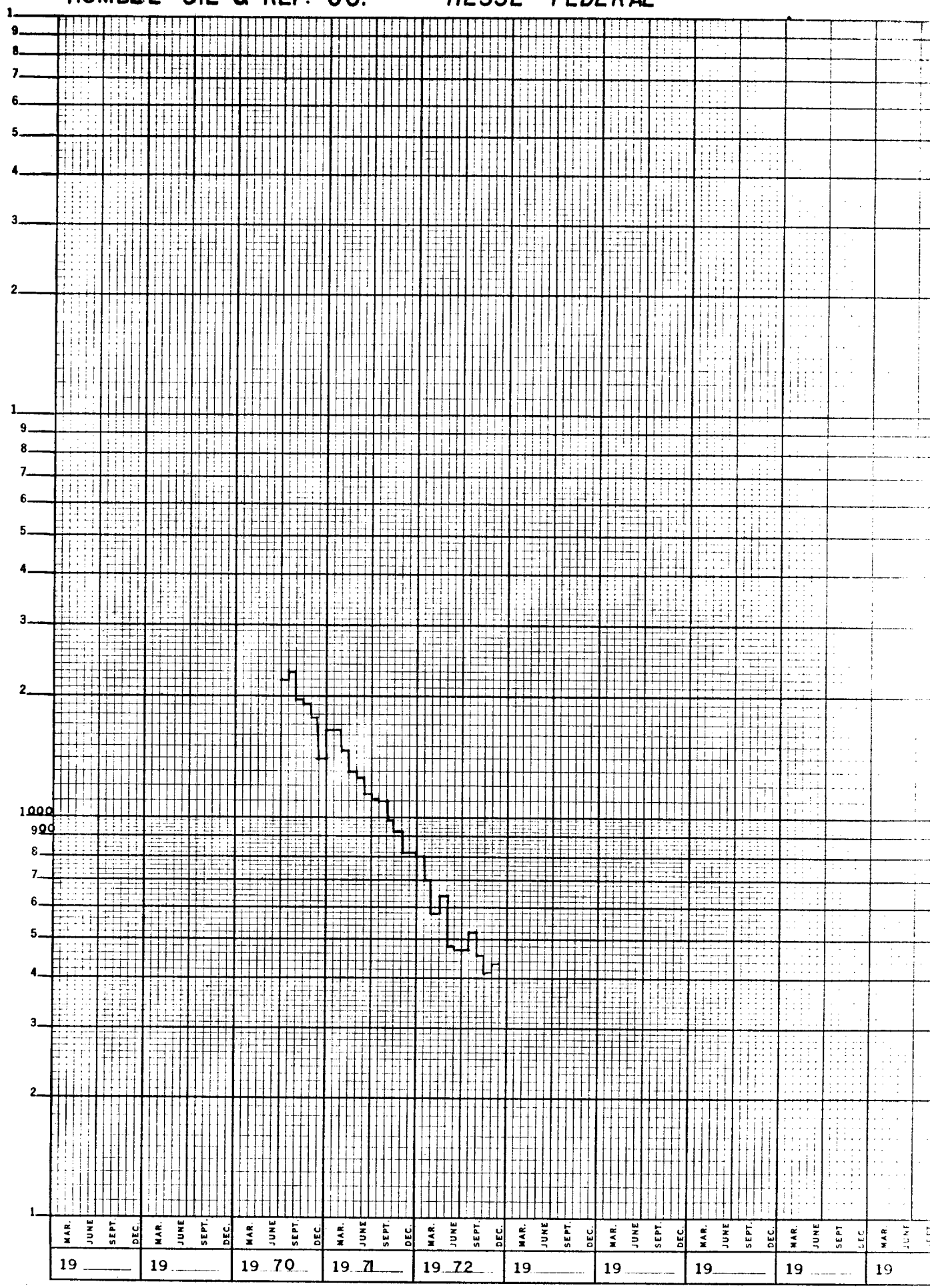


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X 3 LOG CYCLES MADE IN U. S. A. •
KEUFFEL & ESSER CO.



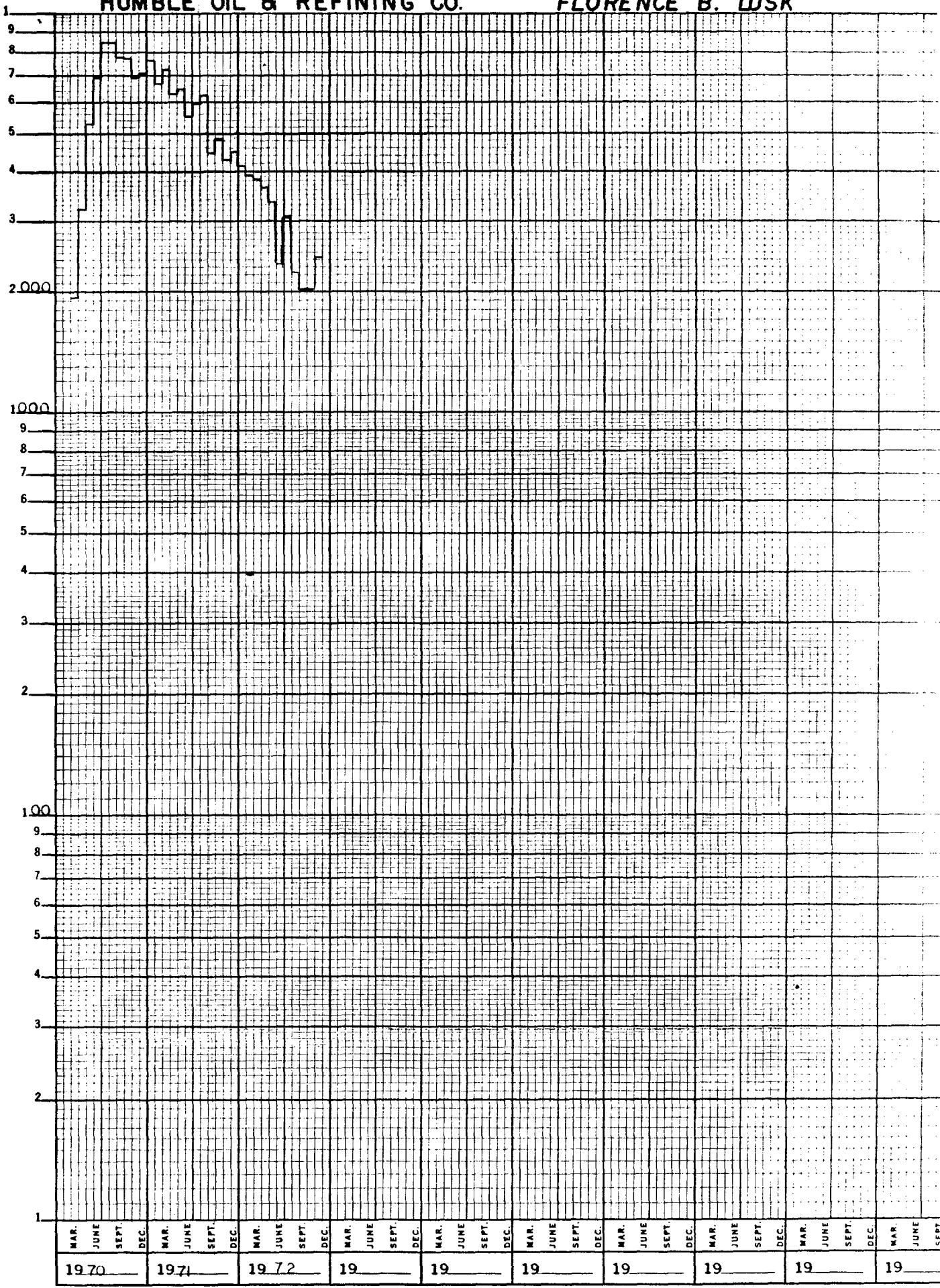

 20 YEARS BY MONTHS 47 6843
 X 3 LOG CYCLES
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.




K&E 20 YEARS BY MONTHS 47 6843
 X 3 LOG CYCLES
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.

HUMBLE OIL & REFINING CO.

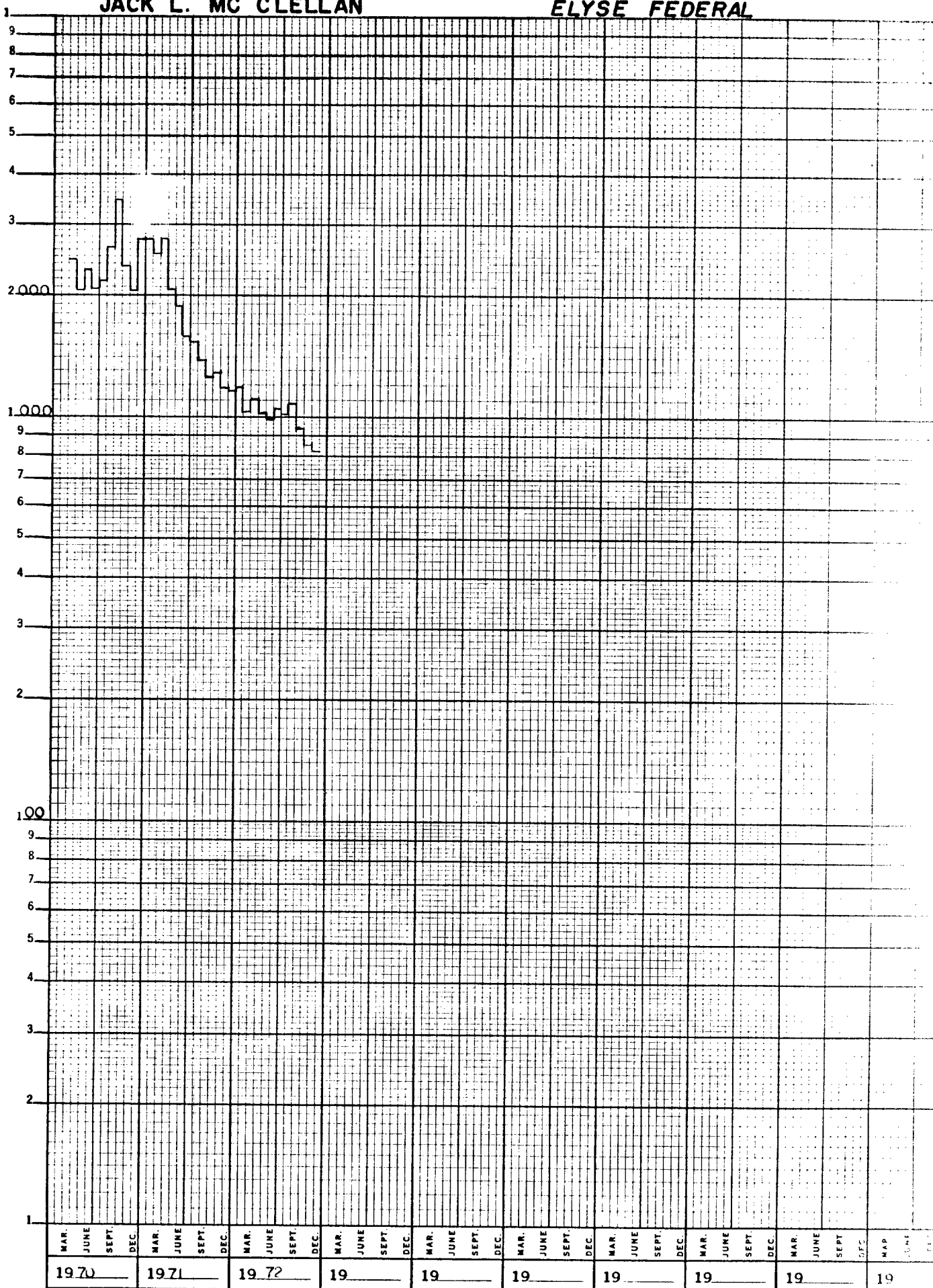
FLORENCE B. LUSK




 20 YEARS BY MONTHS
 X 3 LOG CYCLES
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.

JACK L. MC CLELLAN

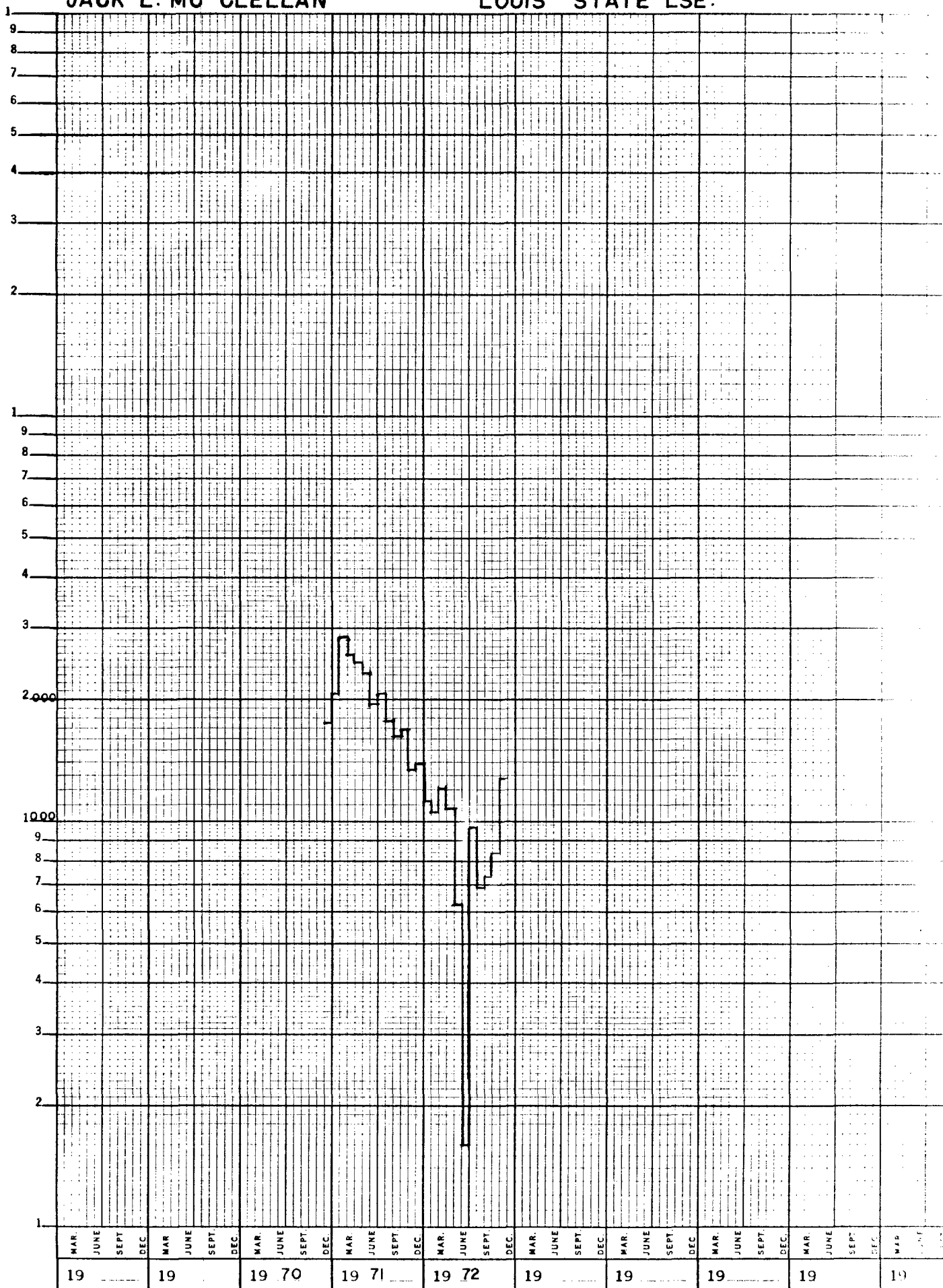
ELYSE FEDERAL

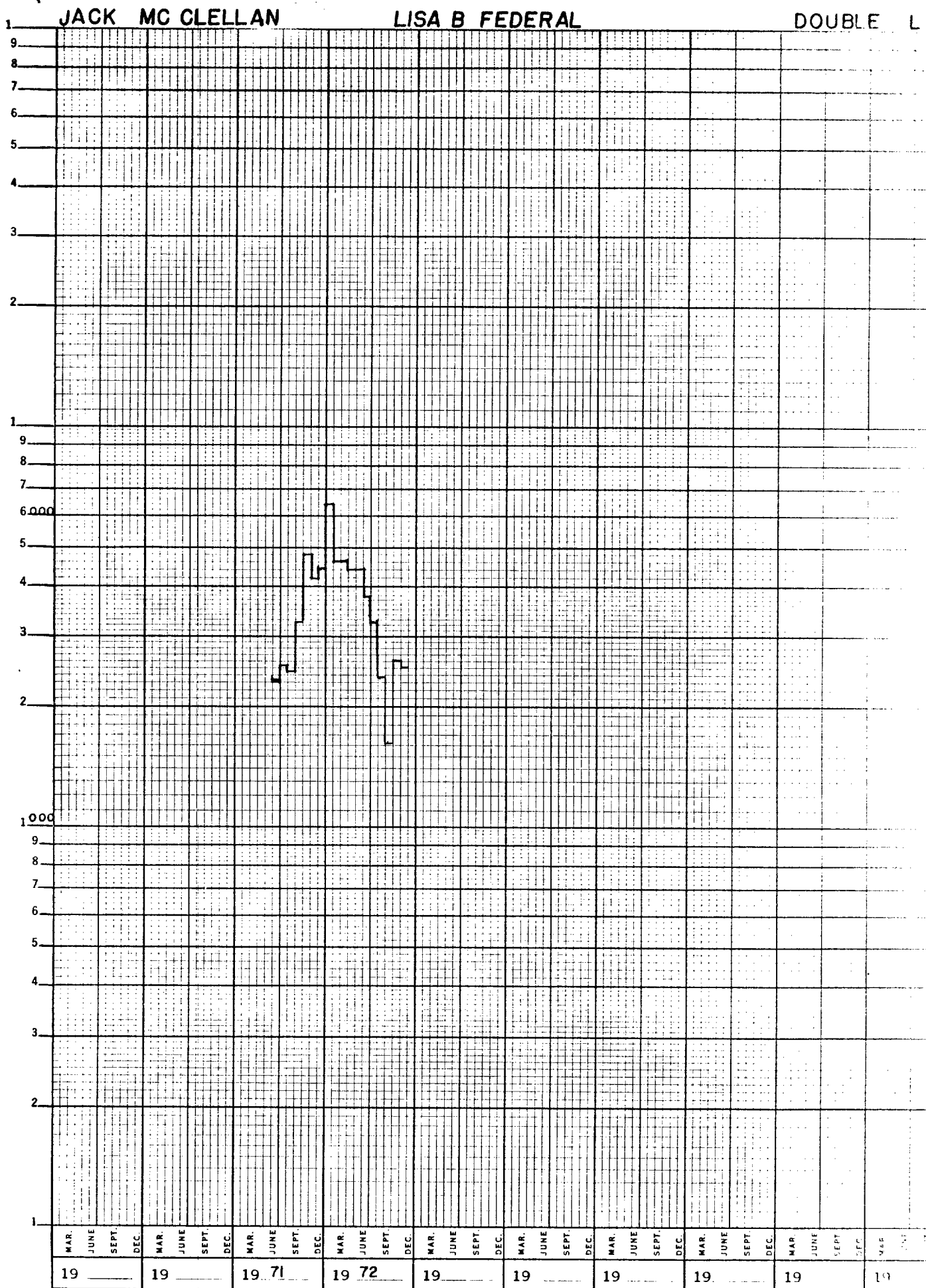


JACK L. MC CLELLAN

LOUIS STATE LSE.

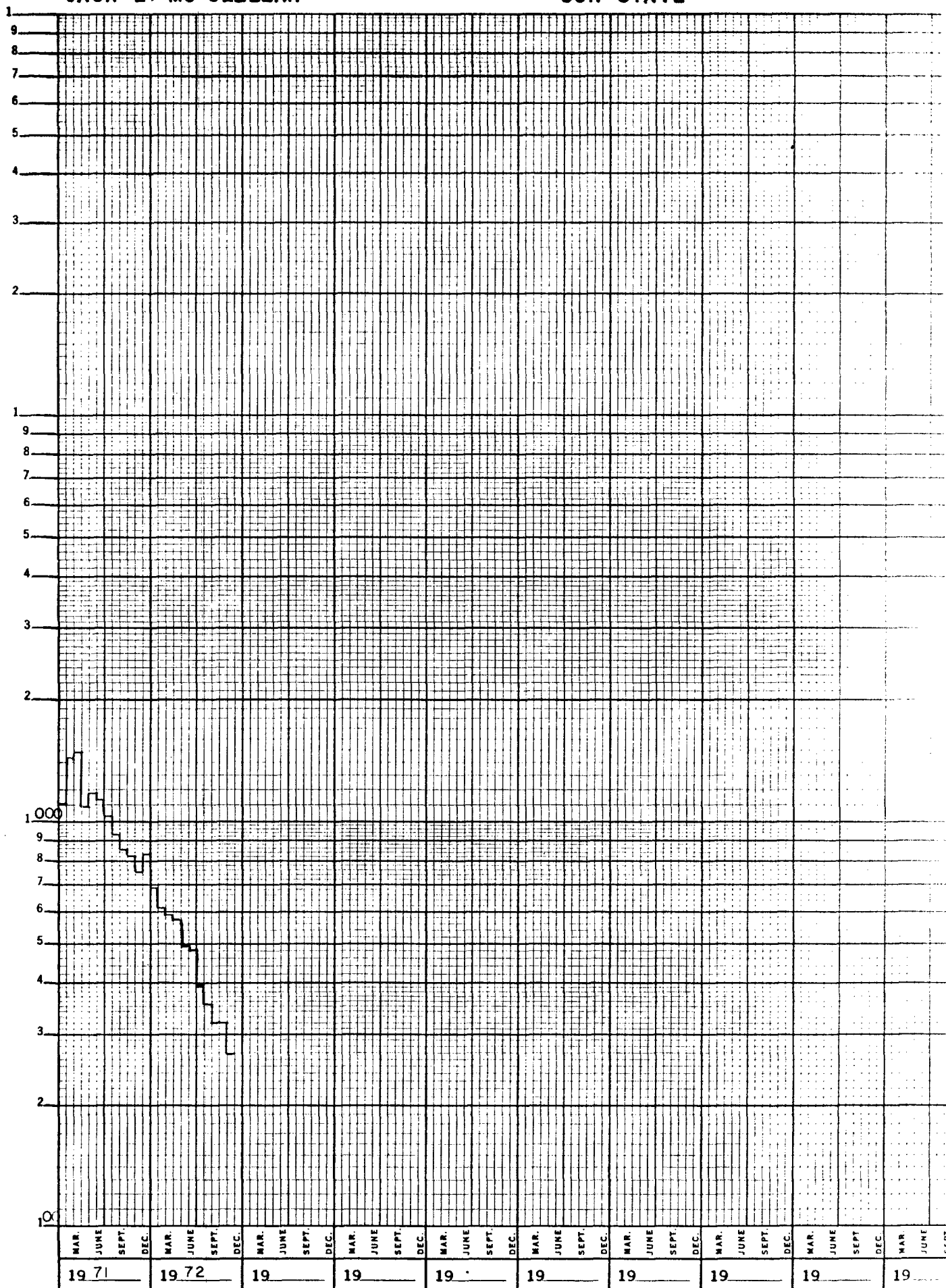
17 20 YEARS BY MONTHS 47 6843
X 3 LOG CYCLES
MADE IN U.S.A.
NEUFEL & ESSER CO.





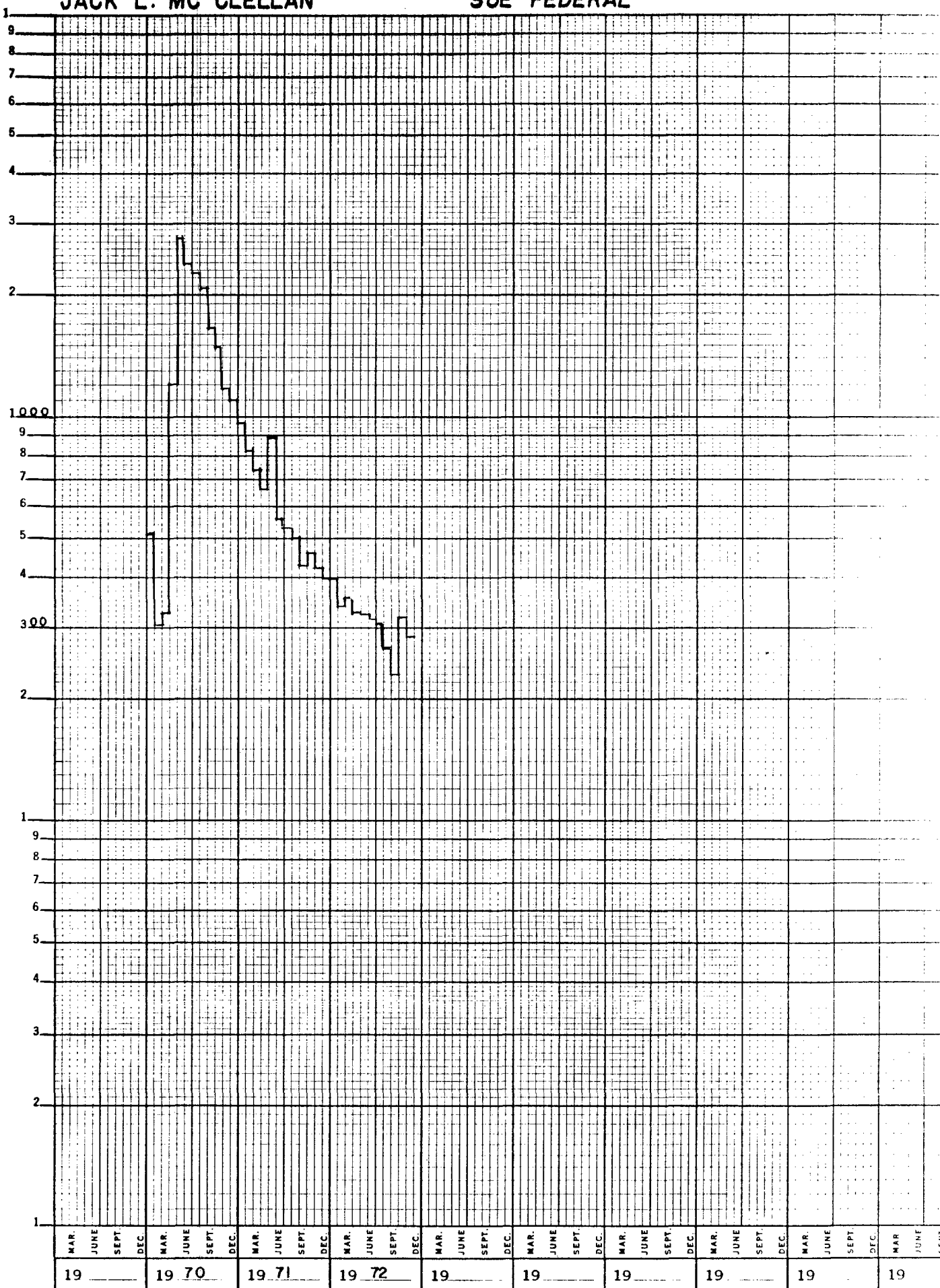
SUN STATE

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X 3 LOG CYCLES MADE IN U.S.A. •
KEUFFEL & ESSER CO.



JACK L. MC CLELLAN

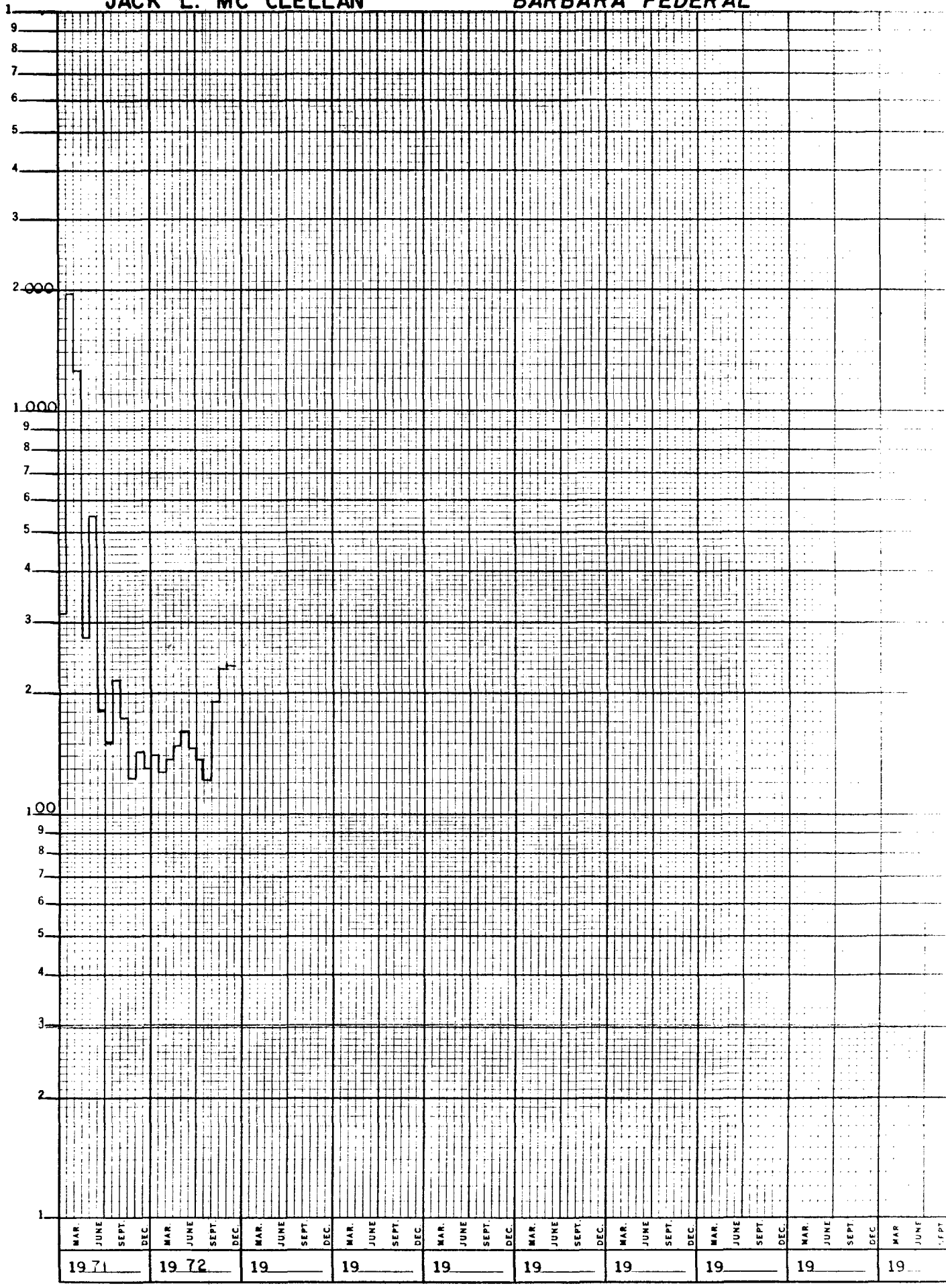
SUE FEDERAL



KE 20 YEARS BY MONTHS 47 6843
X 3 LOG CYCLES
MADE IN U.S.A.
KEUFFEL & ESSER CO.

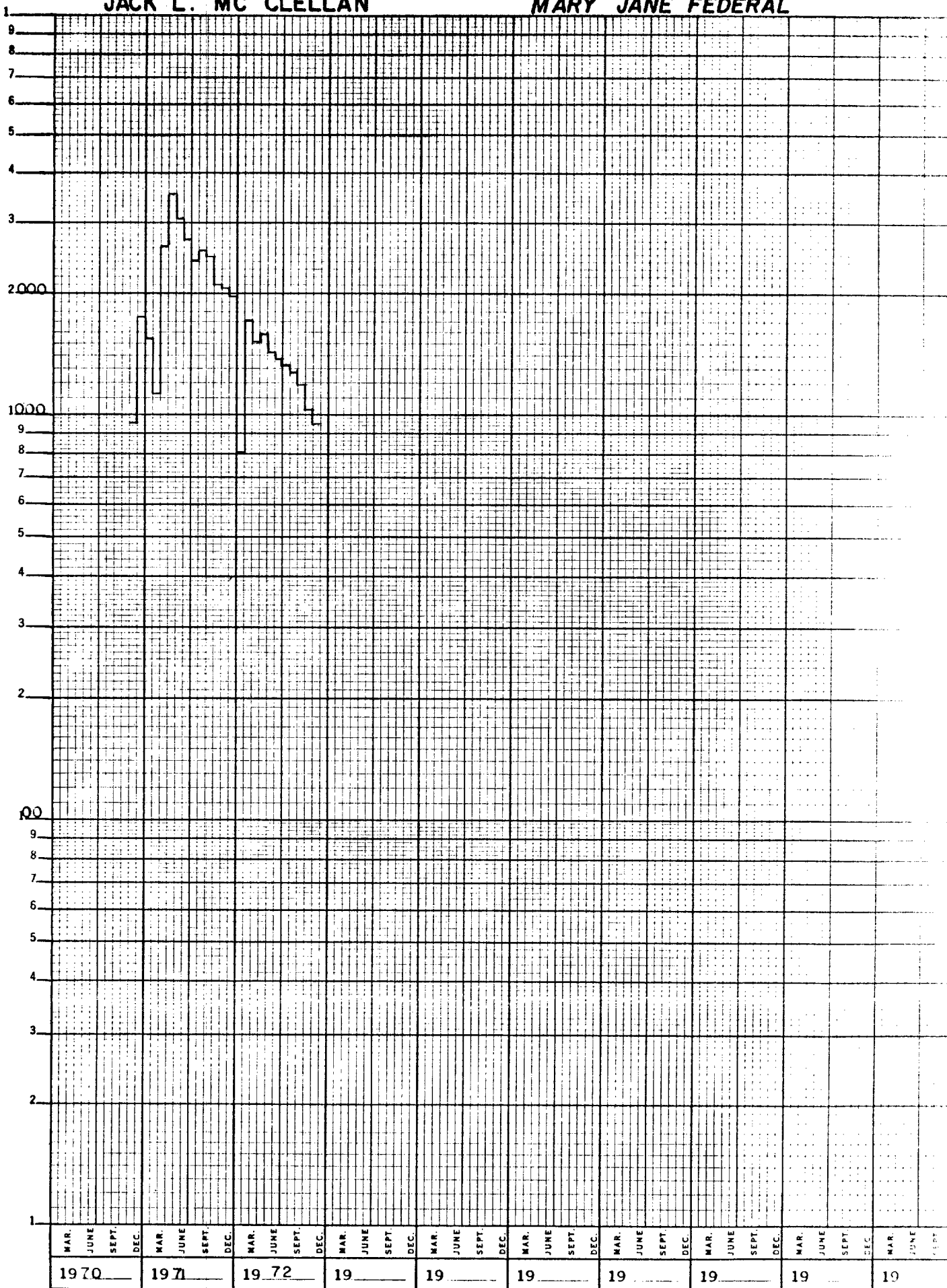
JACK L. MC CLELLAN

BARBARA FEDERAL




JACK L. MC CLELLAN

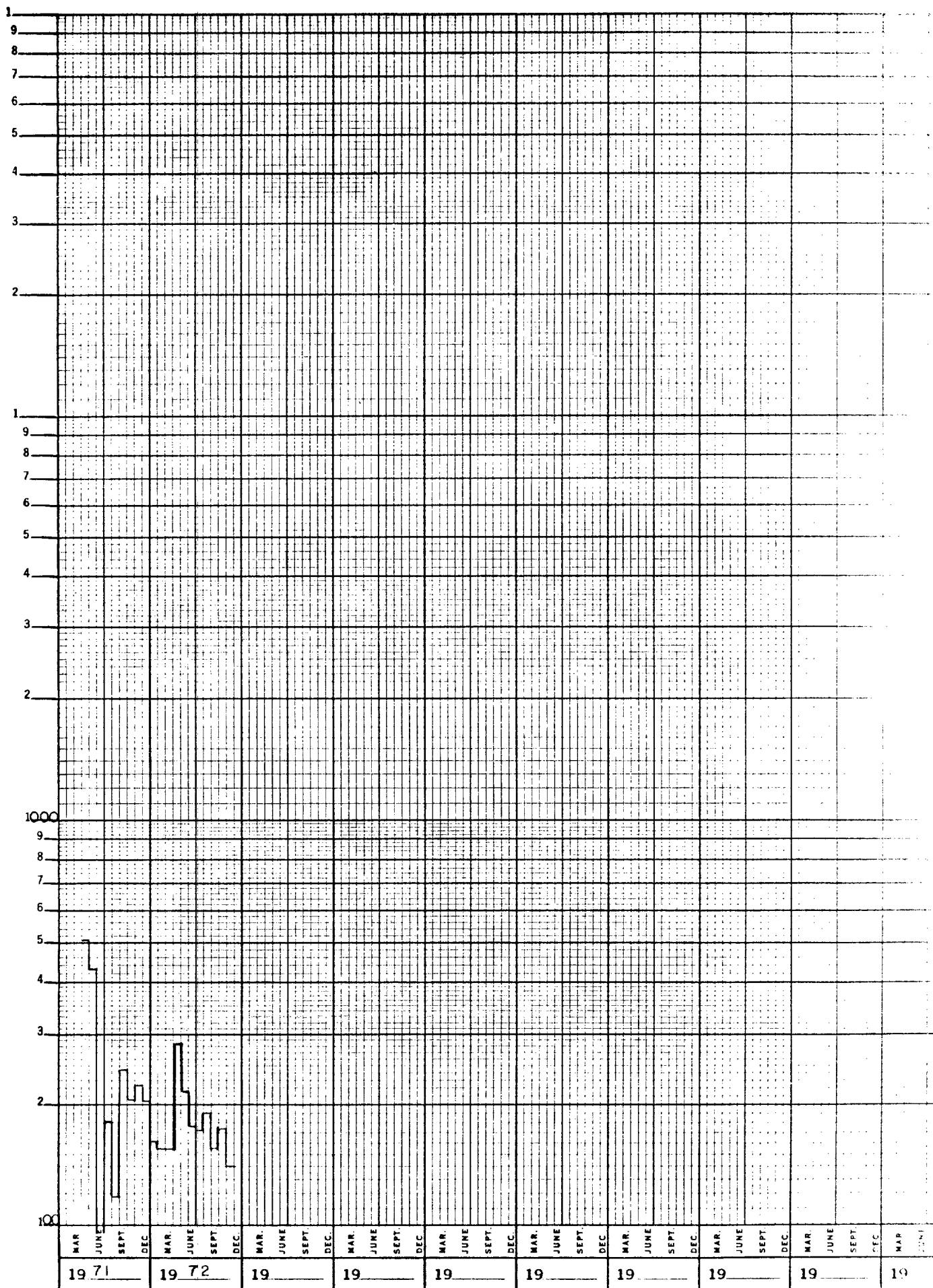
MARY JANE FEDERAL



AMERADA C FEDERAL

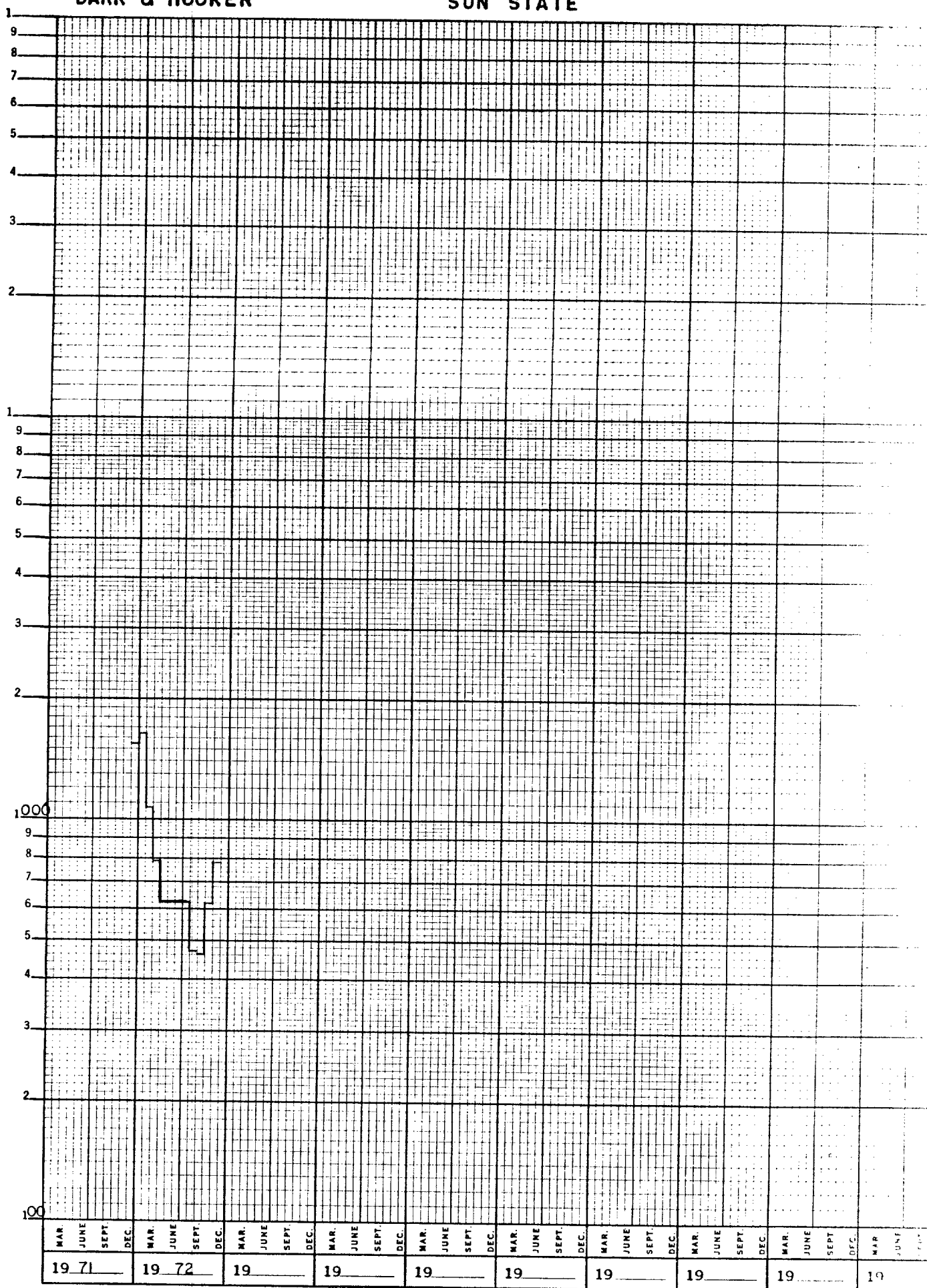



20 YEARS BY MONTHS
X 3 LOG CYCLES



DARK & HOOKER

SUN STATE




 20 YEARS BY MONTHS
 X 3 LOG CYCLES
 MADE IN U.S.A.
 KEUFFEL & ESSER CO.

