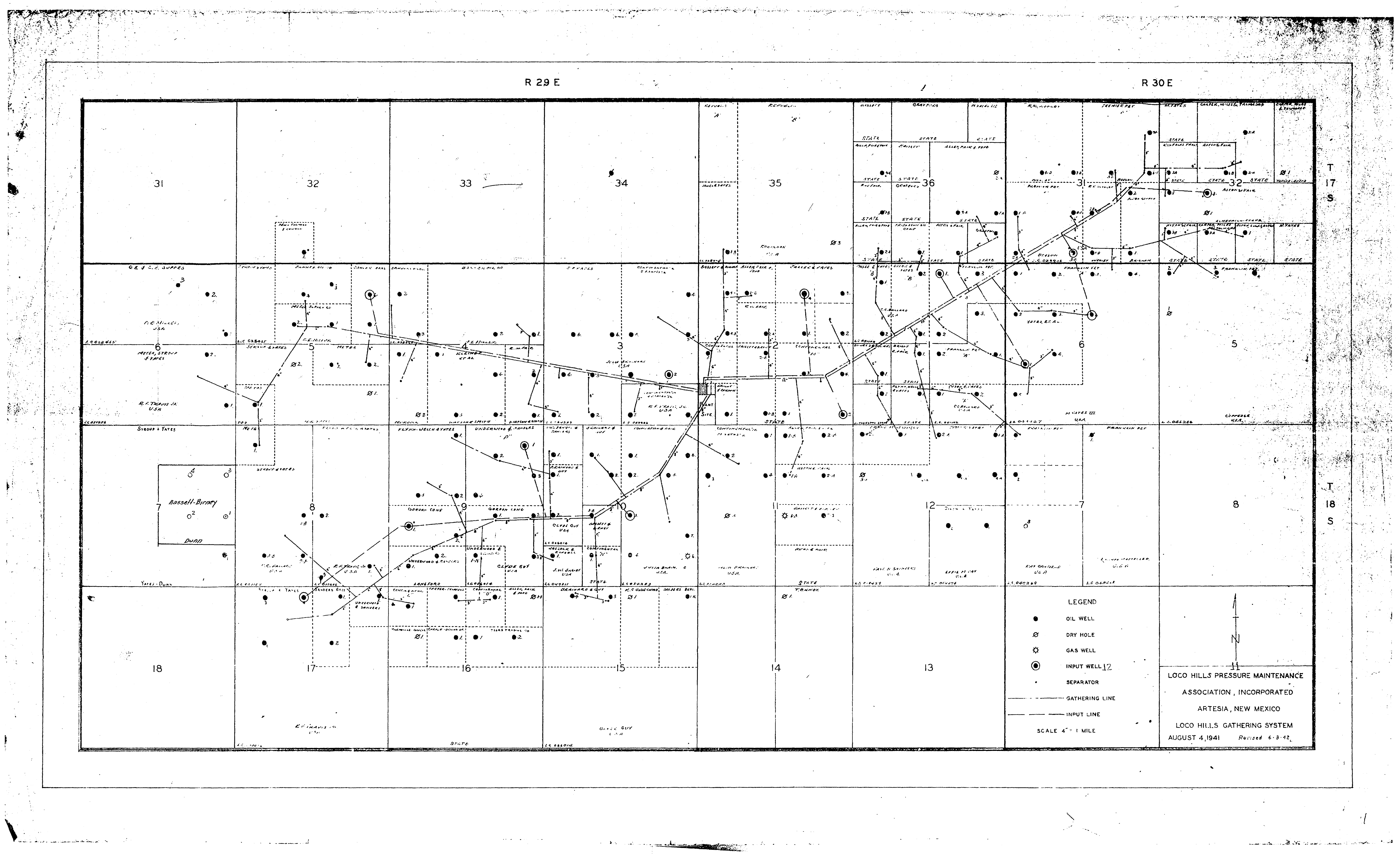
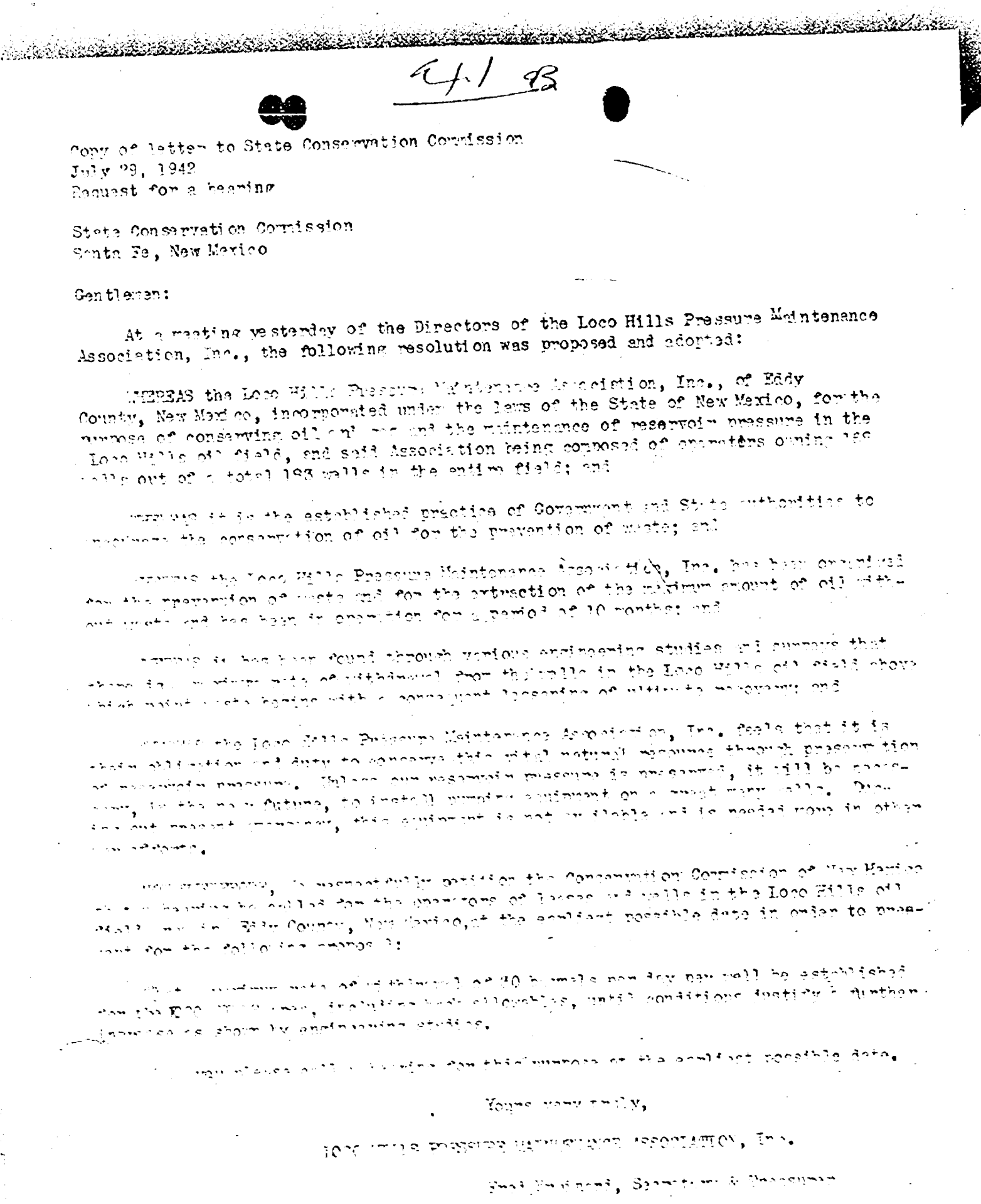
Case No.

35 File #2

Large Exhibits


R 29 E
R 30 E
T 17 S
T 18 S
31
32
33
34
35
36
31
32
6
5
4
3
2
1
6
5
7
8
9
10
11
12
7
8
18
17
16
15
14
13
Bassett-Birney
LEGEND
OIL WELL
DRY HOLE
GAS WELL
INPUT WELL
SEPARATOR
GATHERING LINE
INPUT LINE
SCALE 4" = 1 MILE
N

LOCO HILLS PRESSURE MAINTENANCE
ASSOCIATION, INCORPORATED
ARTESIA, NEW MEXICO
LOCO HILLS GATHERING SYSTEM
AUGUST 4, 1941 Revised 6-3-42



E-1 B

Copy of letter to State Conservation Commission
July 29, 1942
Request for a hearing

State Conservation Commission
Santa Fe, New Mexico

Gentlemen:

At a meeting yesterday of the Directors of the Loco Hills Pressure Maintenance Association, Inc., the following resolution was proposed and adopted:

WHEREAS the Loco Hills Pressure Maintenance Association, Inc., of Eddy County, New Mexico, incorporated under the laws of the State of New Mexico, for the purpose of conserving oil and gas and the maintenance of reservoir pressure in the Loco Hills oil field, and said Association being composed of operators owning [illegible] wells out of a total 183 wells in the entire field; and

WHEREAS it is the established practice of Government and State authorities to encourage the conservation of oil for the prevention of waste; and

WHEREAS the Loco Hills Pressure Maintenance Association, Inc. has been organized for the prevention of waste and for the extraction of the maximum amount of oil without waste and has been in operation for a period of 10 months; and

WHEREAS it has been found through various engineering studies and surveys that there is a maximum rate of withdrawal from the wells in the Loco Hills oil field above which waste begins with a consequent lessening of ultimate recovery; and

WHEREAS the Loco Hills Pressure Maintenance Association, Inc. feels that it is their obligation and duty to conserve this vital natural resource through preservation of reservoir pressure. Unless our reservoir pressure is preserved, it will be necessary, in the near future, to install pumping equipment on a great many wells. Due to our present emergency, this equipment is not available and is needed more in other [illegible] efforts.

NOW THEREFORE, we respectfully petition the Conservation Commission of New Mexico that a hearing be called for the operators of leases and wells in the Loco Hills oil field area in Eddy County, New Mexico, at the earliest possible date in order to present for the following change:

That a maximum rate of withdrawal of 30 barrels per day per well be established for the Loco Hills area, including back allowables, until conditions justify a further increase as shown by engineering studies.

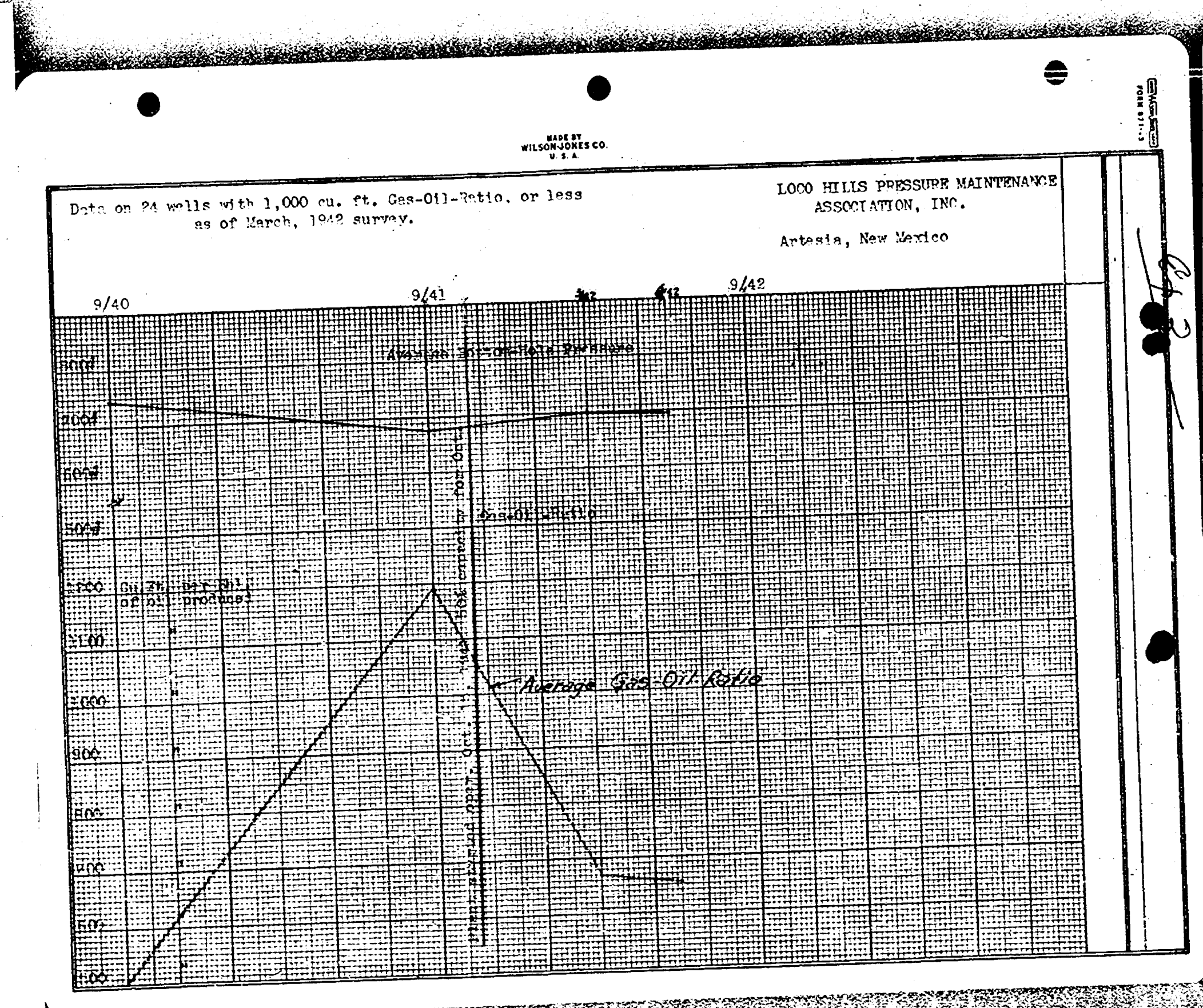
Will you please call a hearing for this purpose at the earliest possible date.

Yours very truly,

LOCO HILLS PRESSURE MAINTENANCE ASSOCIATION, Inc.

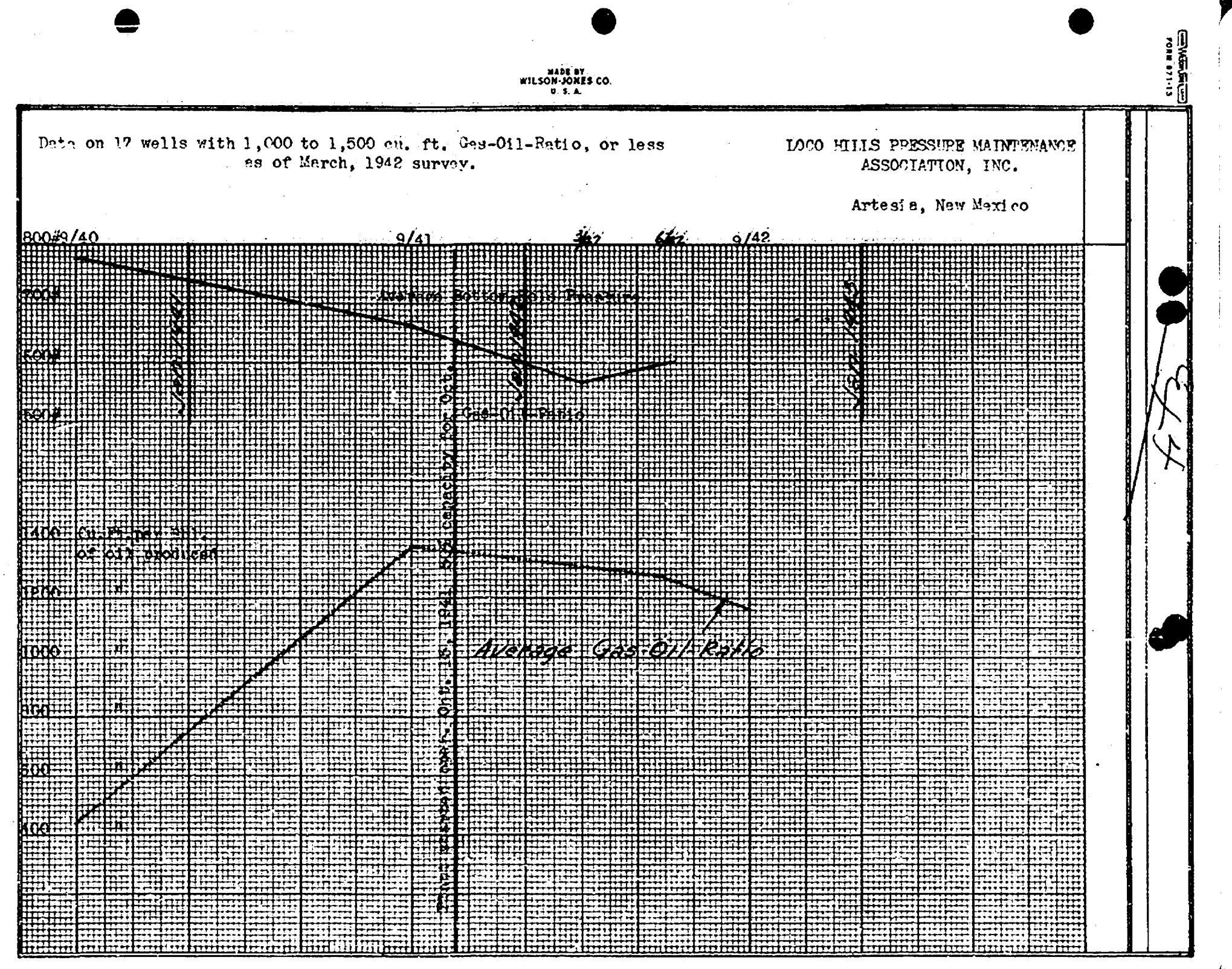
Fred Brainard, Secretary & Treasurer

[illegible]
Copy of the letter



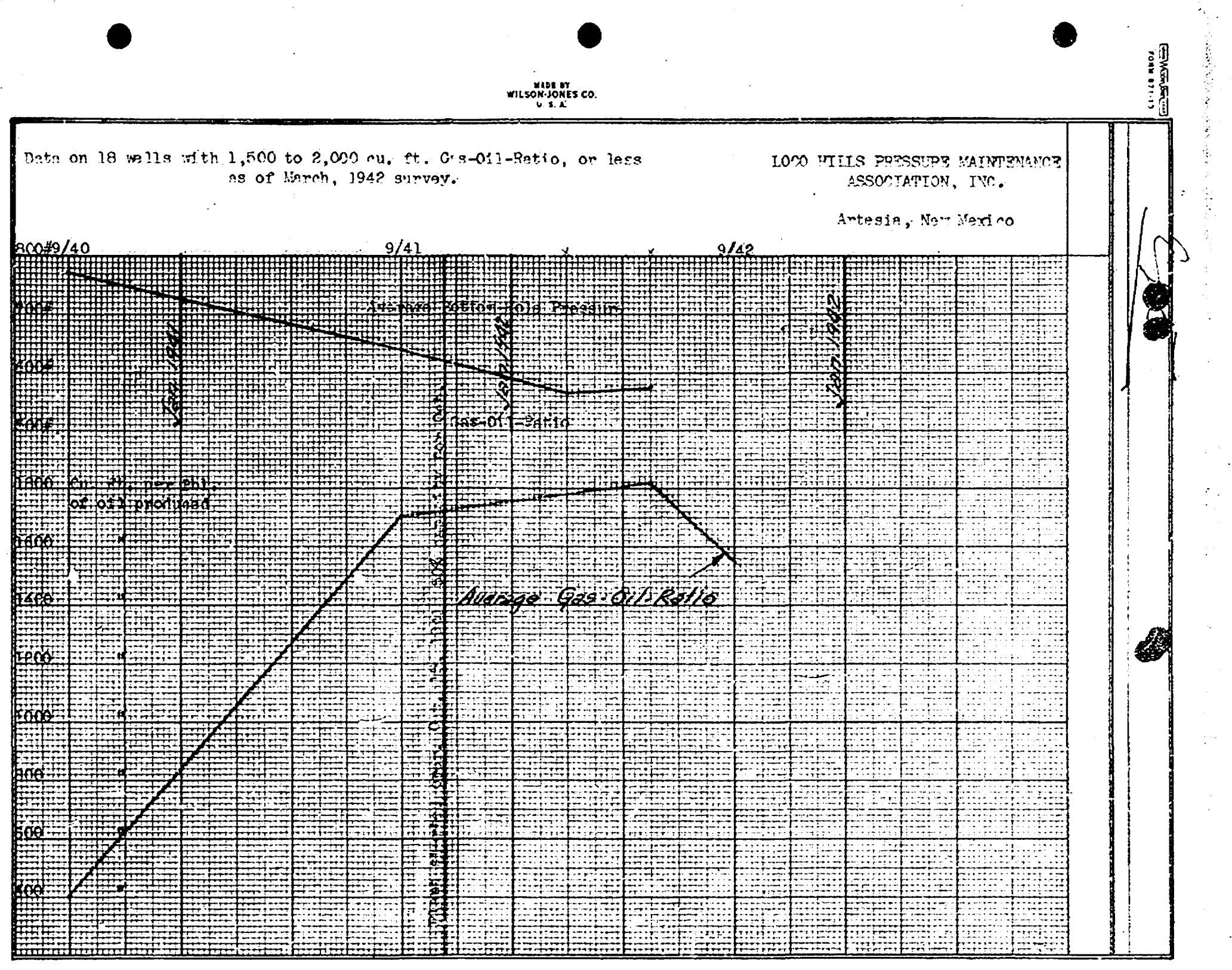
Data on 24 wells with 1,000 cu. ft. Gas-Oil-Ratio, or less as of March, 1942 survey.

LOCO HILLS PRESSURE MAINTENANCE ASSOCIATION, INC.
Artesia, New Mexico



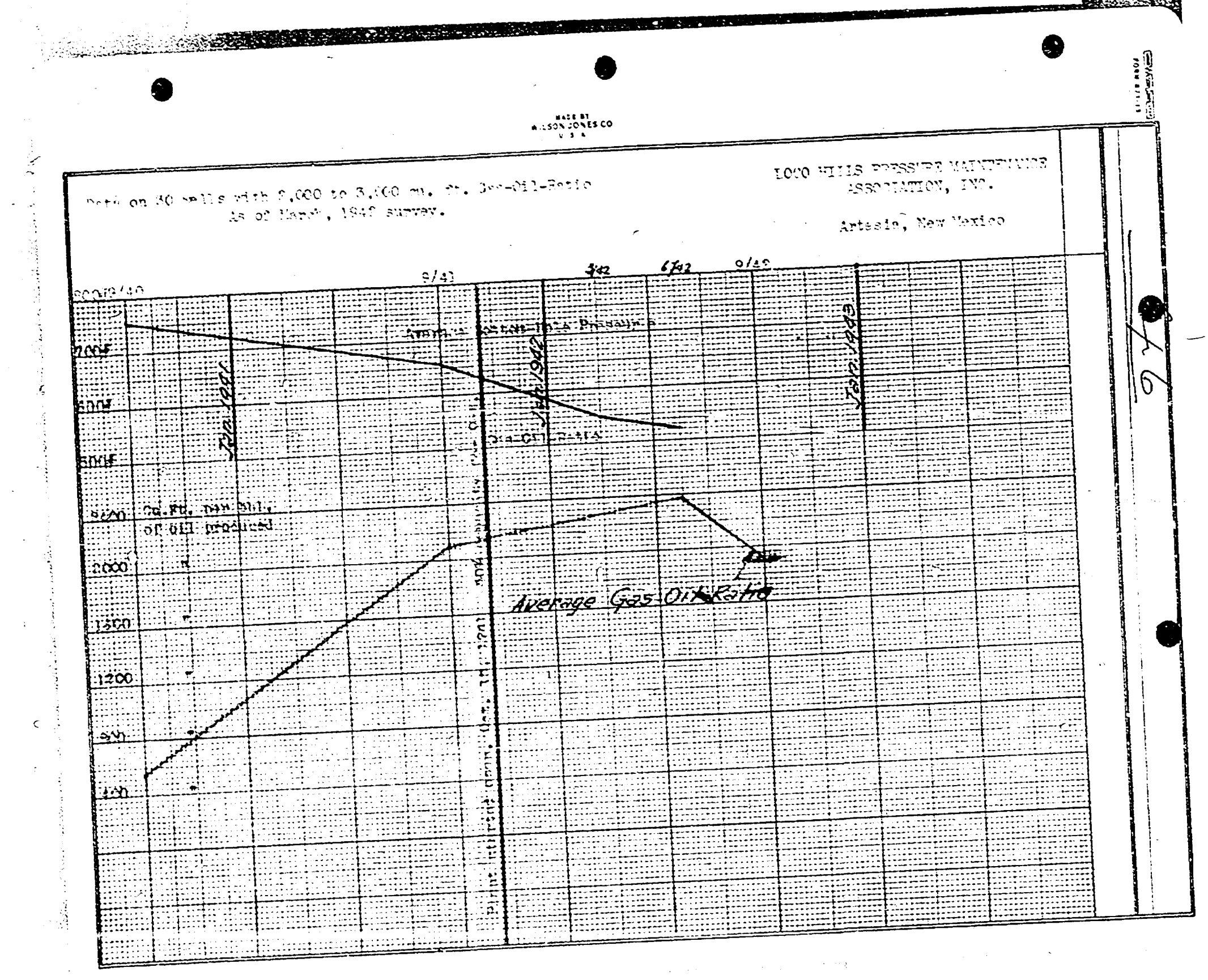
Data on 17 wells with 1,000 to 1,500 cu. ft. Gas-Oil-Ratio, or less as of March, 1942 survey.

LOCO HILLS PRESSURE MAINTENANCE ASSOCIATION, INC.
Artesia, New Mexico



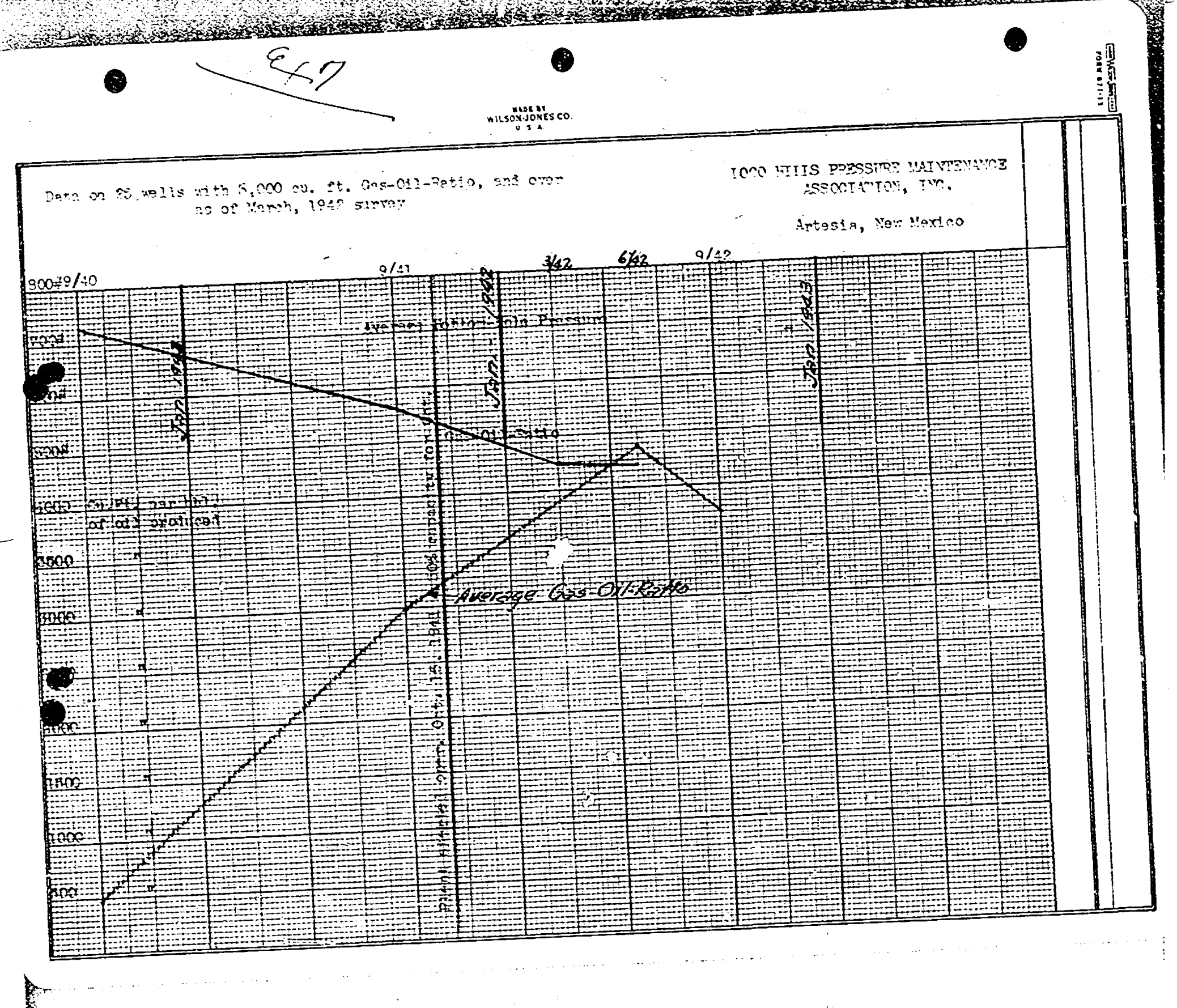
Data on 18 wells with 1,500 to 2,000 cu. ft. Gas-Oil-Ratio, or less as of March, 1942 survey.

LOCO HILLS PRESSURE MAINTENANCE ASSOCIATION, INC.
Artesia, New Mexico



Data on 30 wells with 2,000 to 3,000 cu. ft. Gas-Oil-Ratio As of March, 1942 survey.

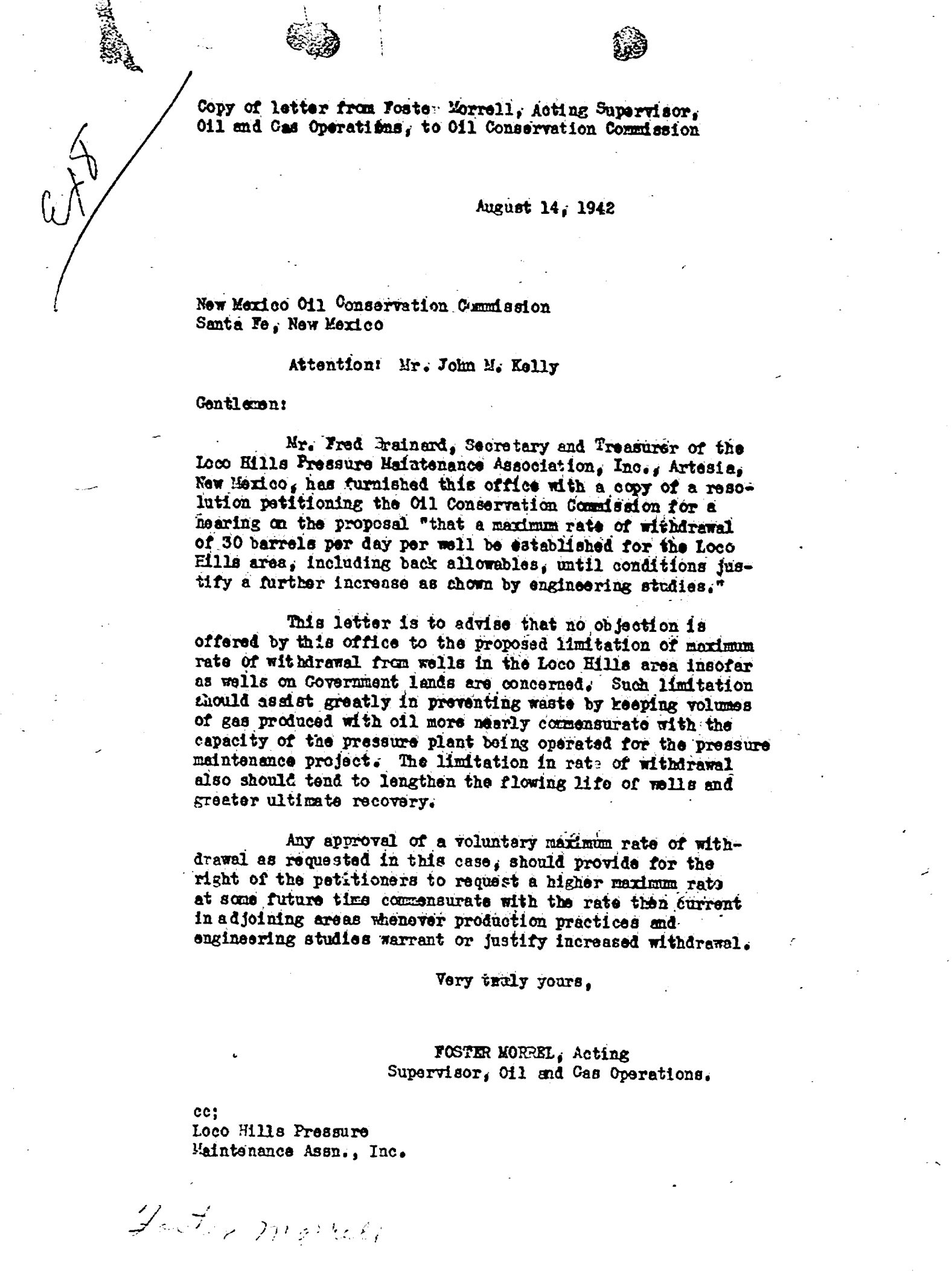
LOCO HILLS PRESSURE MAINTENANCE ASSOCIATION, INC.
Artesia, New Mexico



E-7

Data on 25 wells with 3,000 cu. ft. Gas-Oil-Ratio, and over as of March, 1942 survey

LOCO HILLS PRESSURE MAINTENANCE ASSOCIATION, INC.
Artesia, New Mexico



E-8

Copy of letter from Foster Morrell, Acting Supervisor, Oil and Gas Operations, to Oil Conservation Commission

August 14, 1942

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Attention: Mr. John M. Kelly

Gentlemen:

Mr. Fred Brainard, Secretary and Treasurer of the Loco Hills Pressure Maintenance Association, Inc., Artesia, New Mexico, has furnished this office with a copy of a resolution petitioning the Oil Conservation Commission for a hearing on the proposal "that a maximum rate of withdrawal of 30 barrels per day per well be established for the Loco Hills area, including back allowables, until conditions justify a further increase as shown by engineering studies."

This letter is to advise that no objection is offered by this office to the proposed limitation of maximum rate of withdrawal from wells in the Loco Hills area insofar as wells on Government lands are concerned. Such limitation should assist greatly in preventing waste by keeping volumes of gas produced with oil more nearly commensurate with the capacity of the pressure plant being operated for the pressure maintenance project. The limitation in rate of withdrawal also should tend to lengthen the flowing life of wells and greater ultimate recovery.

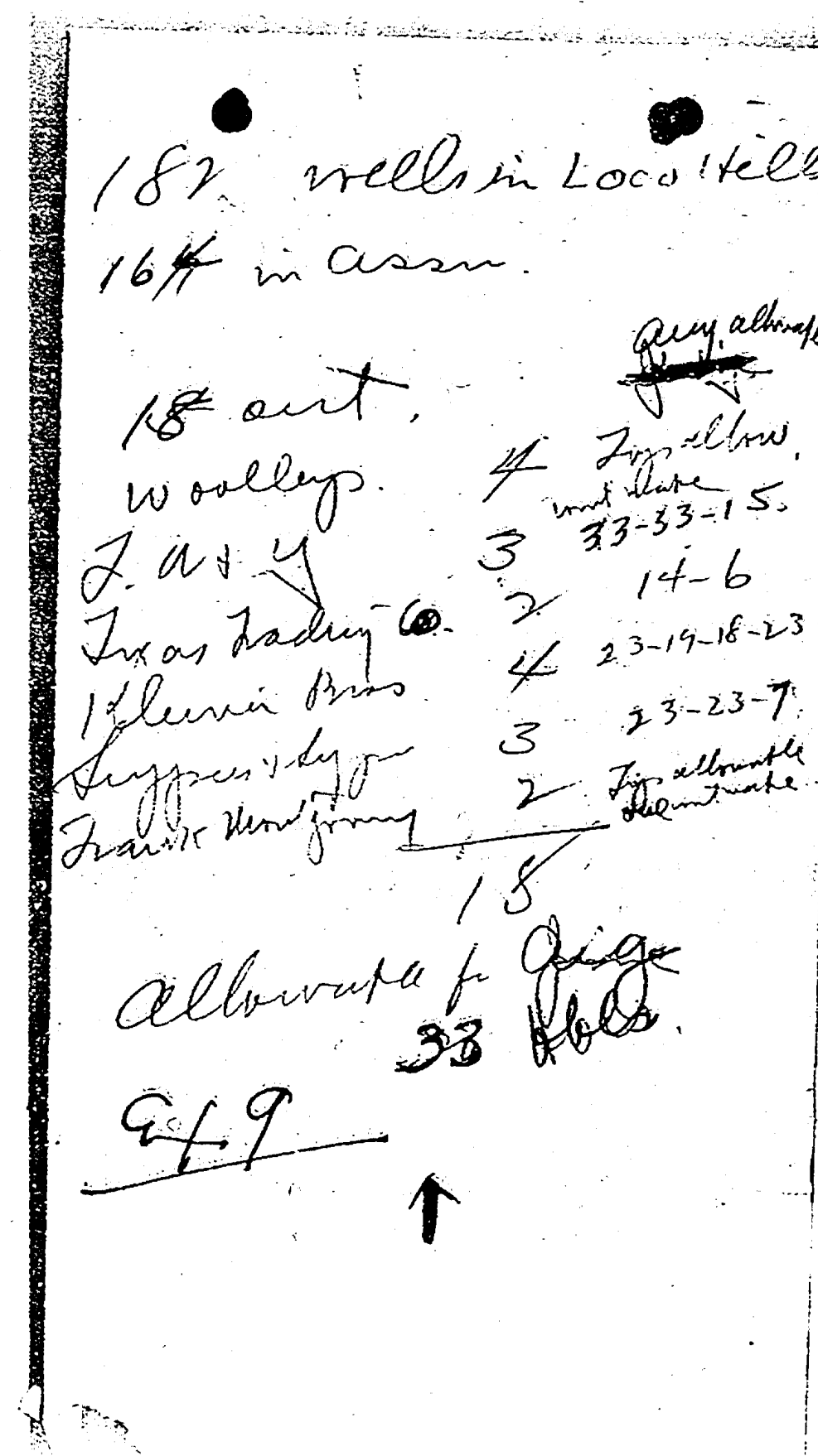
Any approval of a voluntary maximum rate of withdrawal as requested in this case, should provide for the right of the petitioners to request a higher maximum rate at some future time commensurate with the rate then current in adjoining areas whenever production practices and engineering studies warrant or justify increased withdrawal.

Very truly yours,

FOSTER MORREL, Acting
Supervisor, Oil and Gas Operations.

cc;
Loco Hills Pressure
Maintenance Assn., Inc.

Foster Morrell



182 wells in Loco Hill
164 in assn.

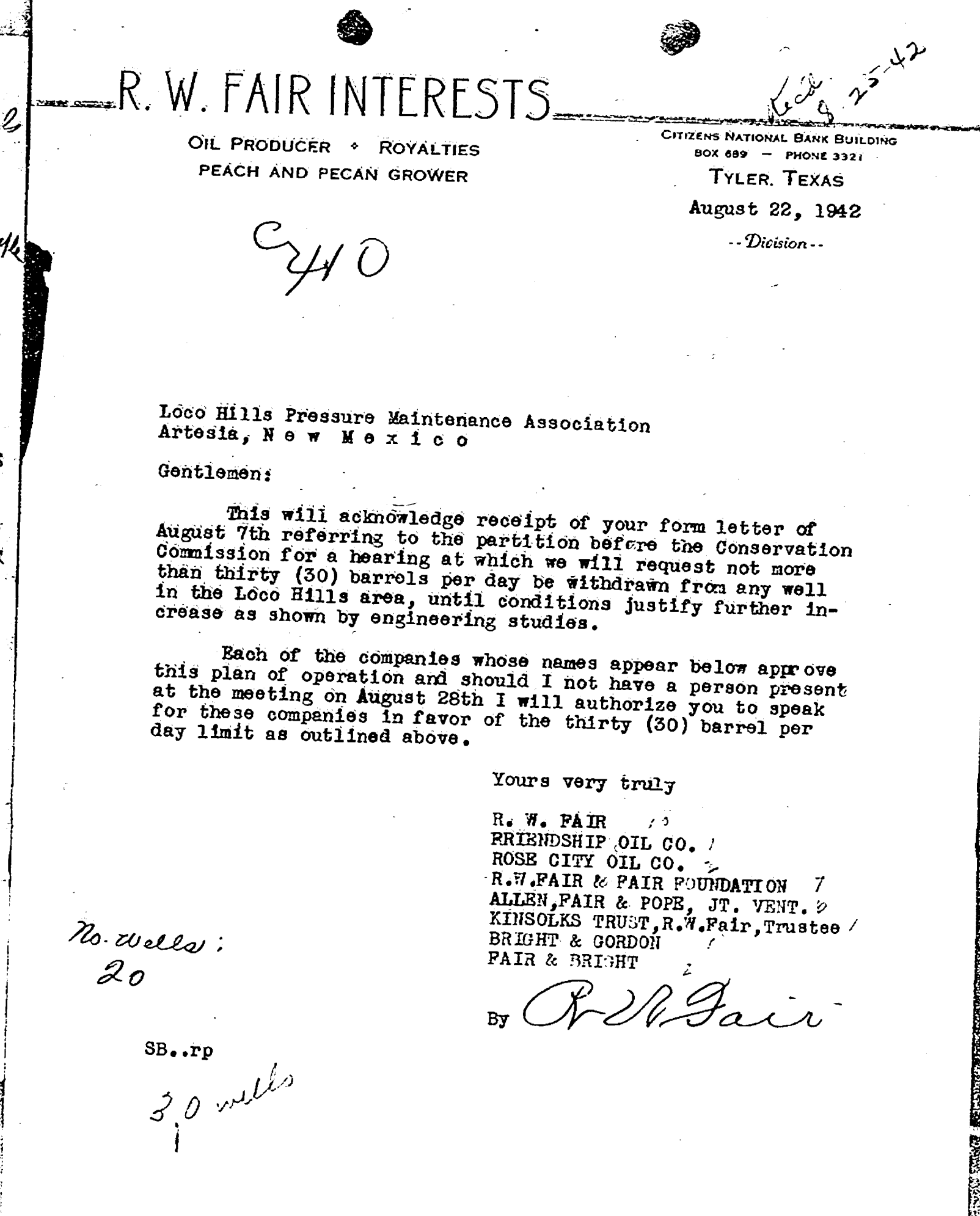
18 out.

		~~Any allowable~~
Woolley	4	Top allow.
		won't take
J. A. & Y.	3	33-33-15.
Texas Trading Co.	2	14-6
Klein Bros	4	23-19-18-23
[illegible]	3	23-23-7.
Frank Montgomery	2	Top allowable [illegible]
	18	

Allowable for ~~Assn~~ 33 bbls.

E-9

↑



R. W. FAIR INTERESTS
OIL PRODUCER ◆ ROYALTIES
PEACH AND PECAN GROWER
CITIZENS NATIONAL BANK BUILDING
BOX 689 — PHONE 3321
TYLER, TEXAS

Rec'd 8-25-42

August 22, 1942
--Division--

E-10

Loco Hills Pressure Maintenance Association
Artesia, New Mexico

Gentlemen:

This will acknowledge receipt of your form letter of August 7th referring to the partition before the Conservation Commission for a hearing at which we will request not more than thirty (30) barrels per day be withdrawn from any well in the Loco Hills area, until conditions justify further increase as shown by engineering studies.

Each of the companies whose names appear below approve this plan of operation and should I not have a person present at the meeting on August 28th I will authorize you to speak for these companies in favor of the thirty (30) barrel per day limit as outlined above.

Yours very truly

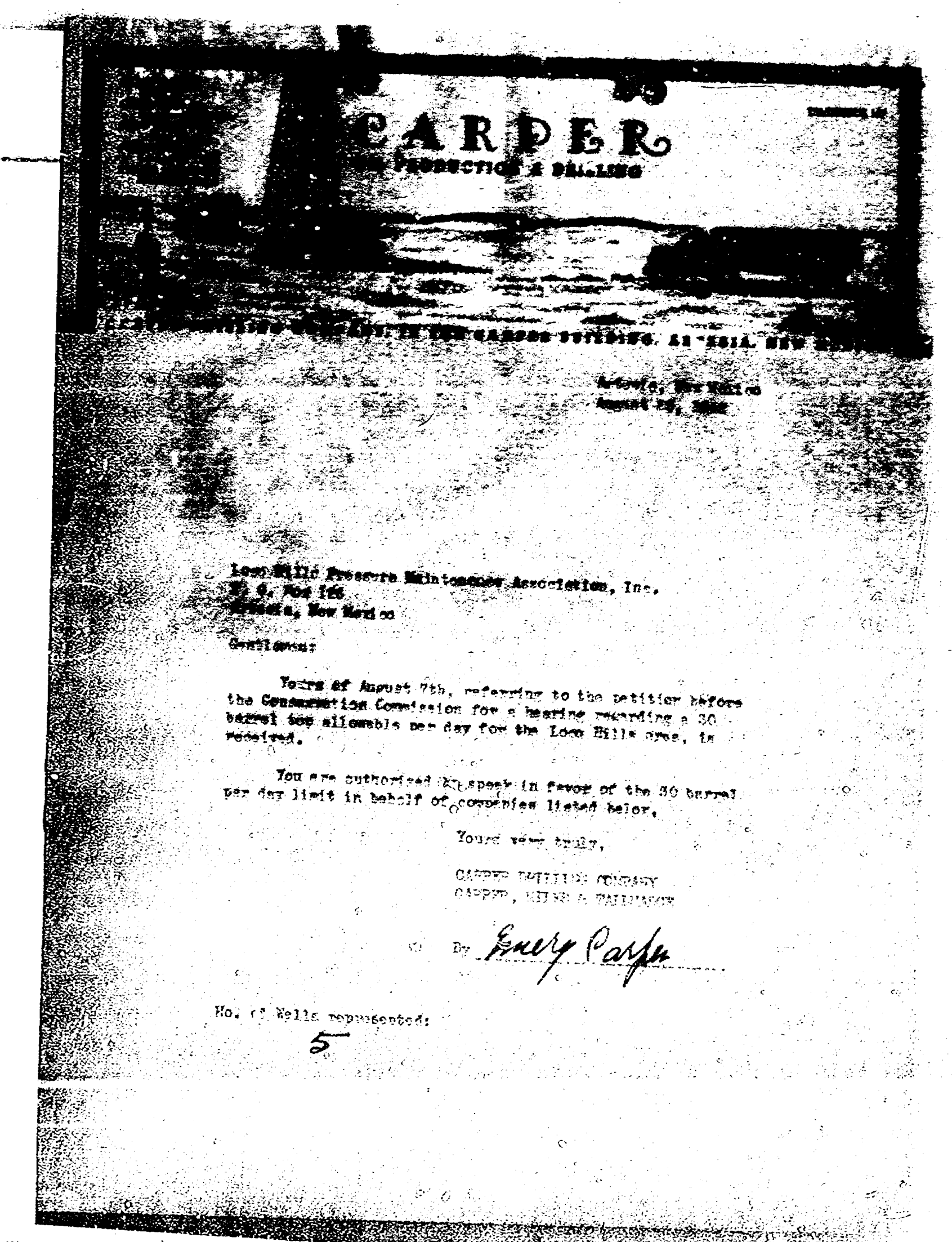
R. W. FAIR
FRIENDSHIP OIL CO.
ROSE CITY OIL CO.
R.W.FAIR & FAIR FOUNDATION 7
ALLEN,FAIR & POPE, JT. VENT.
KINSOLKS TRUST,R.W.Fair,Trustee
BRIGHT & GORDON
FAIR & BRIGHT

By R. W. Fair

No. wells:
20

SB..rp

30 wells



CARPER
[illegible] PRODUCTION & DRILLING

[illegible]

Artesia, New Mexico
August [illegible]

Loco Hills Pressure Maintenance Association, Inc.
P. O. Box 126
Artesia, New Mexico

Gentlemen:

Yours of August 7th, referring to the petition before the Conservation Commission for a hearing regarding a 30 barrel top allowable per day for the Loco Hills area, is received.

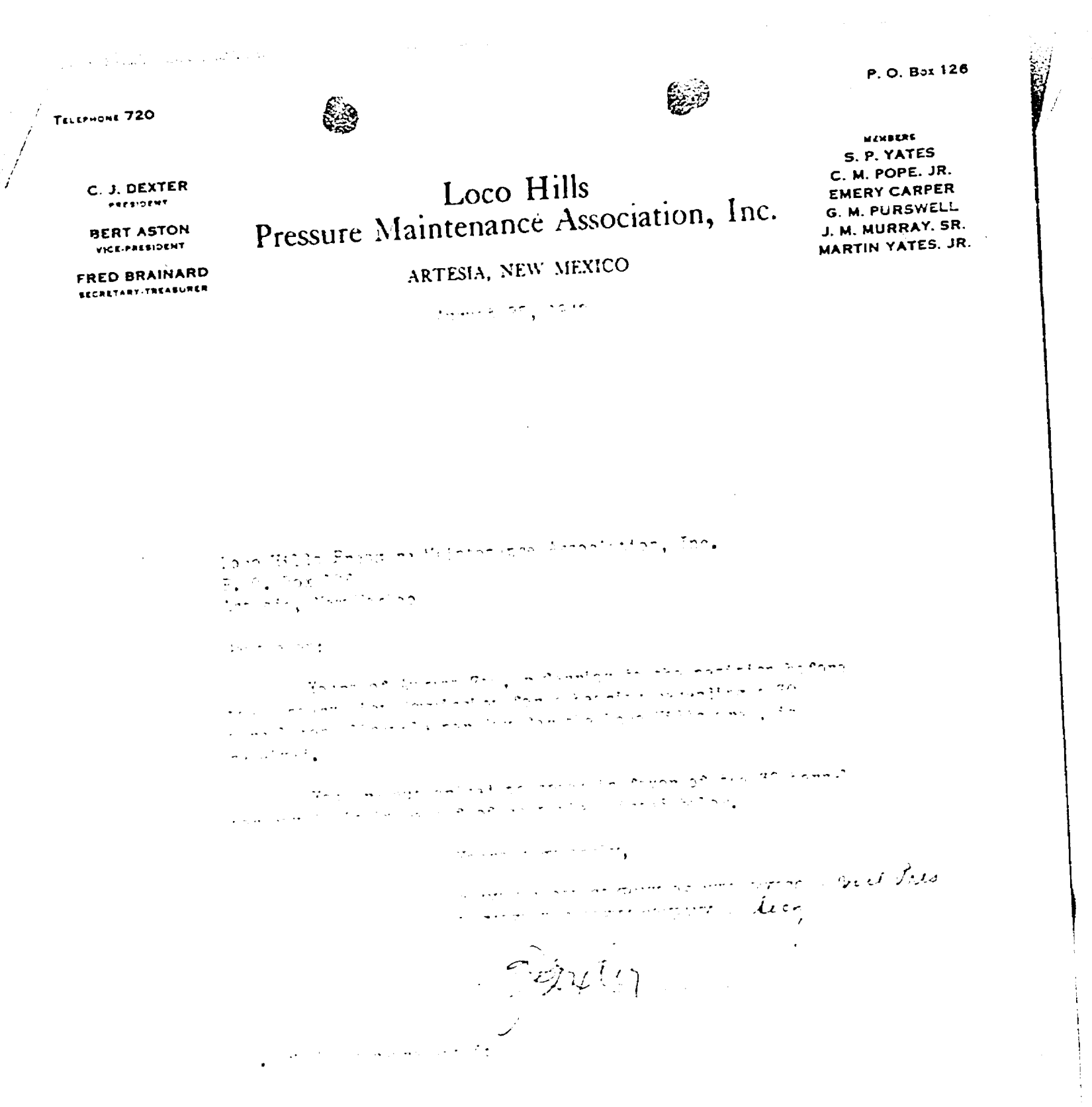
You are authorized to speak in favor of the 30 barrel per day limit in behalf of companies listed below.

Yours very truly,

CARPER DRILLING COMPANY
CARPER, [illegible] & [illegible]

By Emery Carper

No. of Wells represented:
5



TELEPHONE 720
P. O. Box 126
C. J. DEXTER, PRESIDENT
BERT ASTON, VICE-PRESIDENT
FRED BRAINARD, SECRETARY-TREASURER
Loco Hills
Pressure Maintenance Association, Inc.
ARTESIA, NEW MEXICO
MEMBERS
S. P. YATES
C. M. POPE, JR.
EMERY CARPER
G. M. PURSWELL
J. M. MURRAY, SR.
MARTIN YATES, JR.

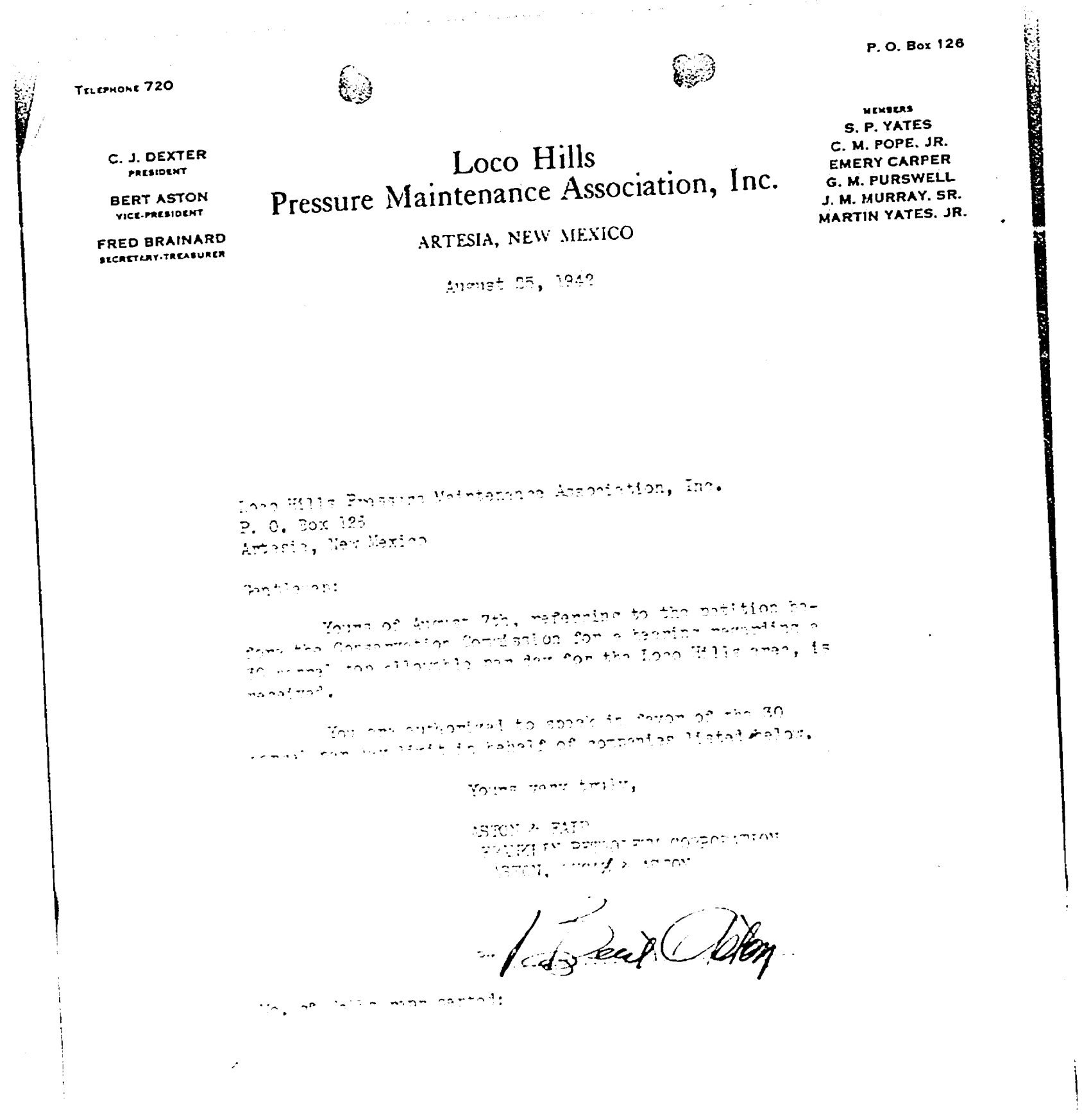
[illegible]

Loco Hills Pressure Maintenance Association, Inc.
[illegible]

[illegible]

Yours very truly,

[illegible] Vice Pres
[illegible] Secy



TELEPHONE 720
P. O. Box 126
C. J. DEXTER, PRESIDENT
BERT ASTON, VICE-PRESIDENT
FRED BRAINARD, SECRETARY-TREASURER
Loco Hills
Pressure Maintenance Association, Inc.
ARTESIA, NEW MEXICO
MEMBERS
S. P. YATES
C. M. POPE, JR.
EMERY CARPER
G. M. PURSWELL
J. M. MURRAY, SR.
MARTIN YATES, JR.

August 25, 1942

Loco Hills Pressure Maintenance Association, Inc.
P. O. Box 126
Artesia, New Mexico

Gentlemen:

Yours of August 7th, referring to the petition before the Conservation Commission for a hearing regarding a 30 barrel top allowable per day for the Loco Hills area, is received.

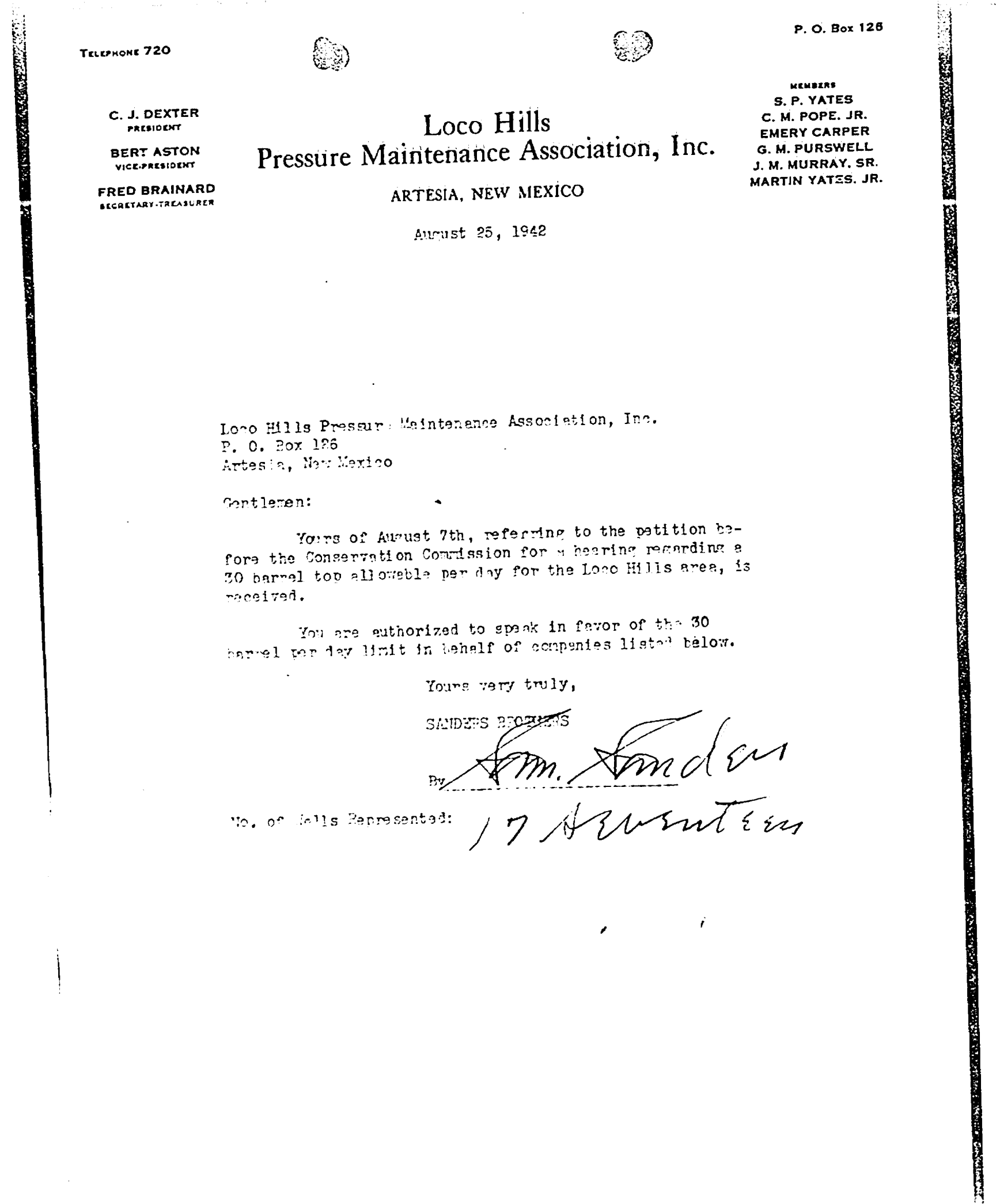
You are authorized to speak in favor of the 30 barrel per day limit in behalf of companies listed below.

Yours very truly,

ASTON & FAIR
[illegible] CORPORATION
ASTON, [illegible] & ASTON

By Bert Aston

No. of Wells represented:



TELEPHONE 720
P. O. Box 126
C. J. DEXTER, PRESIDENT
BERT ASTON, VICE-PRESIDENT
FRED BRAINARD, SECRETARY-TREASURER
Loco Hills
Pressure Maintenance Association, Inc.
ARTESIA, NEW MEXICO
MEMBERS
S. P. YATES
C. M. POPE, JR.
EMERY CARPER
G. M. PURSWELL
J. M. MURRAY, SR.
MARTIN YATES, JR.

August 25, 1942

Loco Hills Pressure Maintenance Association, Inc.
P. O. Box 126
Artesia, New Mexico

Gentlemen:

Yours of August 7th, referring to the petition before the Conservation Commission for a hearing regarding a 30 barrel top allowable per day for the Loco Hills area, is received.

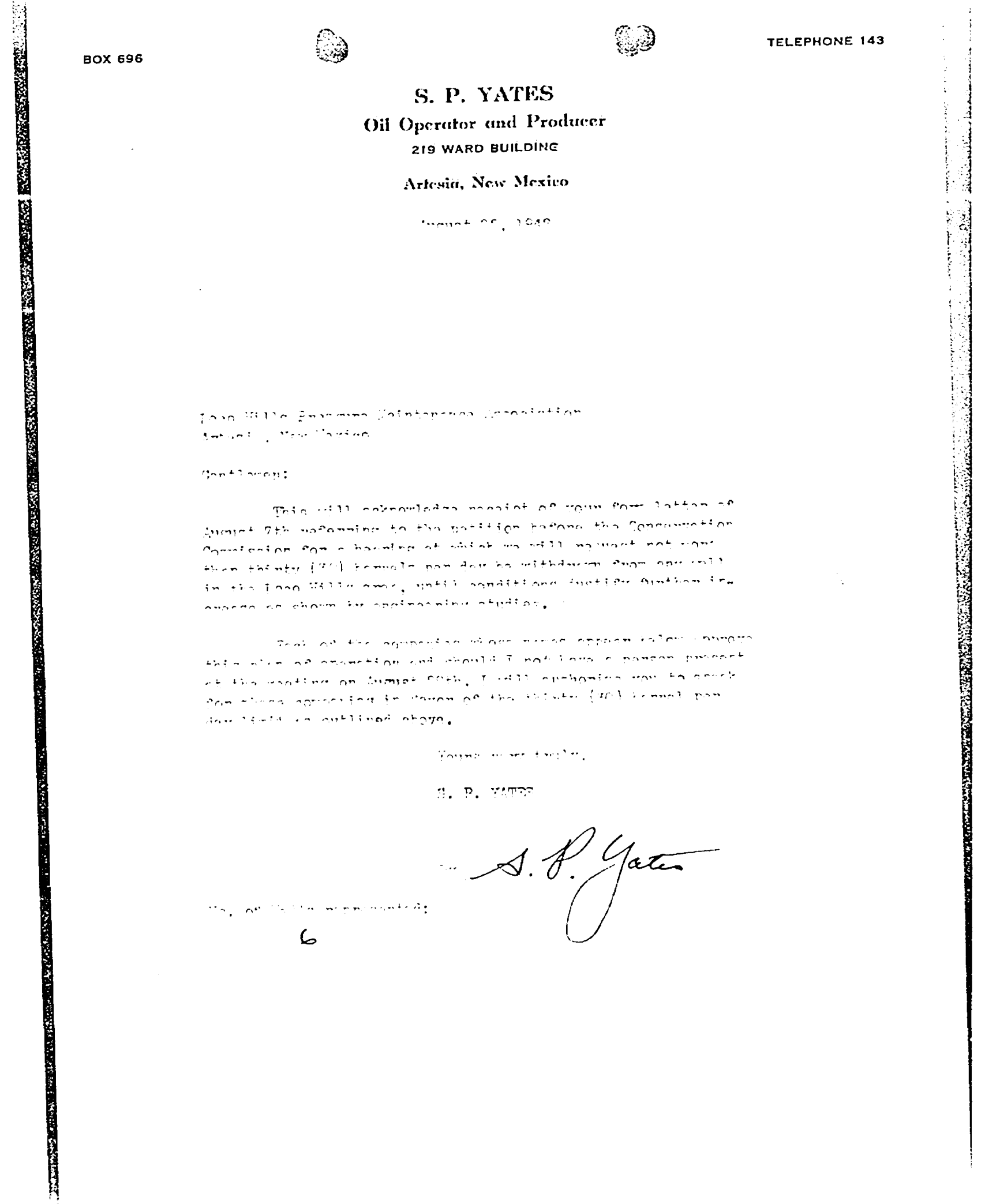
You are authorized to speak in favor of the 30 barrel per day limit in behalf of companies listed below.

Yours very truly,

SANDERS BROTHERS

By Wm. Sanders

No. of Wells Represented: 17 Seventeen



BOX 696
TELEPHONE 143
S. P. YATES
Oil Operator and Producer
219 WARD BUILDING
Artesia, New Mexico

August [illegible], 1942

Loco Hills Pressure Maintenance Association
Artesia, New Mexico

Gentlemen:

This will acknowledge receipt of your form letter of August 7th referring to the petition before the Conservation Commission for a hearing at which we will request not more than thirty (30) barrels per day be withdrawn from any well in the Loco Hills area, until conditions justify further increase as shown by engineering studies.

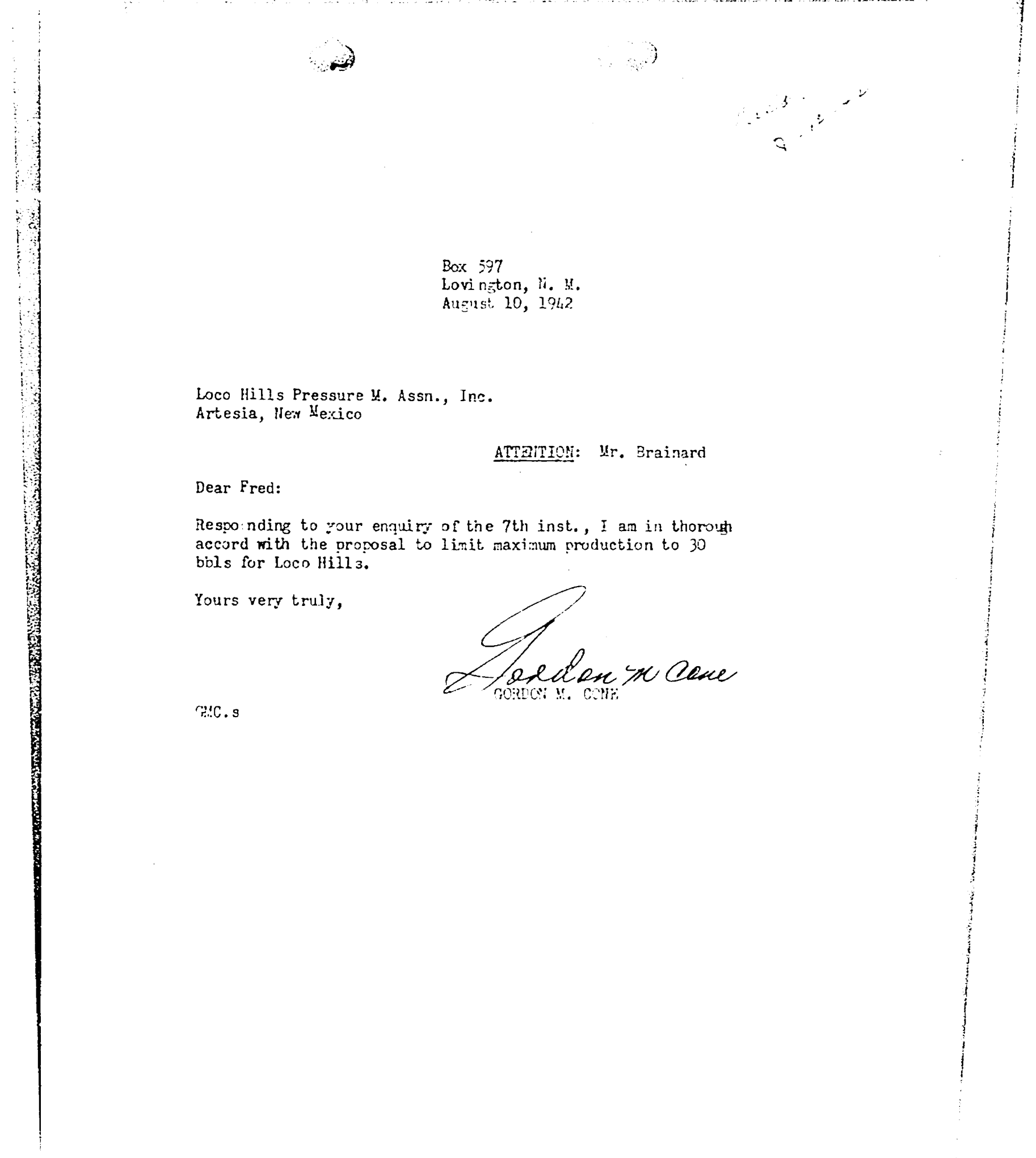
Each of the companies whose names appear below approve this plan of operation and should I not have a person present at the meeting on August 28th, I will authorize you to speak for these companies in favor of the thirty (30) barrel per day limit as outlined above.

Yours very truly,

S. P. YATES

By S. P. Yates

No. of Wells represented:
6



Box 597
Lovington, N. M.
August 10, 1942

Loco Hills Pressure M. Assn., Inc.
Artesia, New Mexico

ATTENTION: Mr. Brainard

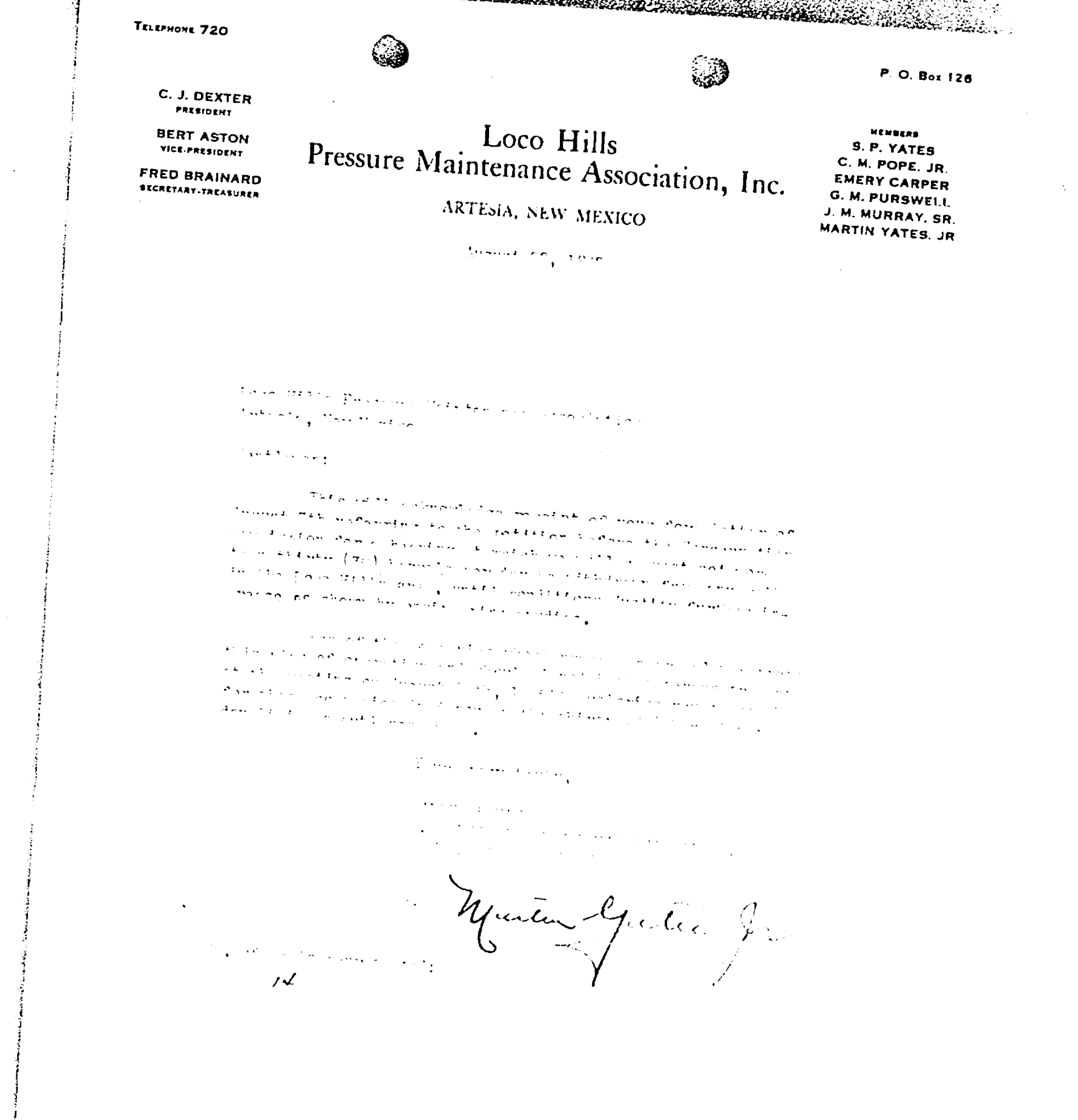
Dear Fred:

Responding to your enquiry of the 7th inst., I am in thorough accord with the proposal to limit maximum production to 30 bbls for Loco Hills.

Yours very truly,

Gordon M. Cone
GORDON M. CONE

GMC.s



TELEPHONE 720
P. O. Box 126
C. J. DEXTER, PRESIDENT
BERT ASTON, VICE-PRESIDENT
FRED BRAINARD, SECRETARY-TREASURER
Loco Hills
Pressure Maintenance Association, Inc.
ARTESIA, NEW MEXICO
MEMBERS
S. P. YATES
C. M. POPE, JR.
EMERY CARPER
G. M. PURSWELL
J. M. MURRAY, SR.
MARTIN YATES, JR.

August [illegible], 1942

[illegible]

Martin Yates Jr.

14

29

BRAINARD & GUY
OIL PRODUCERS
ARTESIA, NEW MEXICO

August 27, 1942

Loco Hills Pressure Maintenance Assoc., Inc.
Carper Building
Artesia, New Mexico

Gentlemen:

Your form letter of August 7th, regarding hearing before the Conservation Commission requesting a thirty barrel per day top allowable for Loco Hills Field, received. We heartily approve of the plan for a 30 barrel top allowable and wish to be represented as such at the hearing.

Very truly yours,

BRAINARD & GUY

By Fred Brainard

No. of wells represented:
6

TELEPHONE 720 P. O. BOX 126

C. J. DEXTER, PRESIDENT
BERT ASTON, VICE-PRESIDENT
FRED BRAINARD, SECRETARY-TREASURER

Loco Hills
Pressure Maintenance Association, Inc.
ARTESIA, NEW MEXICO

MEMBERS
S. P. YATES
C. M. POPE, JR.
EMERY CARPER
G. M. PURSWELL
J. M. MURRAY, SR.
MARTIN YATES, JR.

August 20, 1942

Loco Hills Pressure Maintenance Association
Artesia, New Mexico

Gentlemen:

This will acknowledge receipt of your form letter of August 7th referring to the petition before the Conservation Commission for a hearing at which we will request not more than thirty (30) barrels per day be withdrawn from any well in the Loco Hills area, until conditions justify further increase as shown be engineering studies.

Each of the companies whose names appear below approve this plan of operation and should I not have a person present at the meeting on August 28th, I will authorize you to speak for these companies in favor of the thirty (30) barrel per day limit as outlined above.

Yours very truly,

BASSETT & BIRNEY, et al
YATES, et al
DIXON & YATES OIL CO.
JONES & YATES
FRANKLIN & YATES

By Martin Yates III

MY:m

No. of wells represented:
24

PHONE 143 P. O. BOX 352

Stroup and Yates Oil Company
Artesia, New Mexico

August 22, 1942

Loco Hills Pressure Maintenance Assoc., Inc.
Carper Building
Artesia, New Mexico

Gentlemen:

We are in receipt of your letter regarding hearing before the Conservation Commission. We are in favor of the 30 barrel per well per day top allowable for the Loco Hills area and wish to be represented thus at the hearing on August 28th.

Very truly yours,

STROUP AND YATES OIL COMPANY

By: Harvey E. Yates

No. of wells represented: 9

R E S O L U T I O N

WHEREAS the Loco Hills Pressure Maintenance Association, Inc., of Eddy County, New Mexico, incorporated under the laws of the State of New Mexico, for the purpose of conserving oil and gas and the maintenance of reservoir pressure in the Loco Hills oil field, and said Association being composed of operators owning 168 wells out of a total 183 wells in the entire field; and

WHEREAS it is the established practice of Government and State authorities to encourage the conservation of oil for the prevention of waste; and

WHEREAS the Loco Hills Pressure Maintenance Association, Inc. has been organized for the prevention of waste and for the extraction of the maximum amount of oil without waste and has been in operation for a period of 10 months; and

WHEREAS it has been found through various engineering studies and surveys that there is a maximum rate of withdrawal from the wells in the Loco Hills oil field above which point waste begins with a consequent lessening of ultimate recovery; and

WHEREAS the Loco Hills Pressure Maintenance Association, Inc. feels that it is their obligation and duty to conserve this vital natural resource through preservation of reservoir pressure. Unless our reservoir pressure is preserved, it will be necessary, in the near future, to install pumping equipment on a great many wells. During our present emergency, this equipment is not available and is needed more in other war efforts.

NOW THEREFORE, We respectfully petition the Conservation Commission of New Mexico that a hearing be called for the operators of leases and wells in the Loco Hills oil field area in Eddy County, New Mexico at the earliest possible date in order to present evidence for the following proposal:

> That a maximum rate of withdrawal of 30 barrels per day per well be established for the Loco Hills area, including back allowables, until conditions justify a further increase as shown by engineering studies.

True copy of resolution
Fred Brainard

Minutes

July 1, 1942

Loco Hills Pressure Maintenance Association, Inc.
Artesia, New Mexico

Gentlemen:

With respect to the pro-rata payments which you have received from me from time to time, as one of the operators in the Loco Hills district, you are at liberty to use said funds for the best interest of your Association, pursuant to the direction of the Board of Directors. This applies to all future contribution payments you receive from me, without liability on your part.

(Signed) ____________________
Roland Rich Woolley

30

October 4th, 1941

Colonel J. D. Atwood
J. P. White Building
Roswell, New Mexico

My dear Colonel Atwood:

****

When preliminary discussions were being had relative to your association, mention of it was made to me from time to time by Mr. Dexter, and I advised him on all occasions that I was heartily in accord with any consistent plan which would conserve oil and gas and lengthen the life of the field; that I would also support such a movement so long as it should be operated and conducted for the benefit of all concerned in a fair and impartial manner.

****

Roland Rich Woolley

4 wells

OK Ex 2

average allowables for Periods below.

SURVEY AS OF JUNE, 1942

				448 Bbls	435 Bbls.	28 Bbls.		
				9/40	9/41	3/42	6/42	8-~~15~~-42
Premier Petroleum Co.	Beeson	1F	B.H.P.	707	559	545	540	
			G.O.R.	521	1428	—	1873	- 1443
" " "	"	2F	B.H.P.	762	664	585	590	
			G.O.R.	552	2359	—	1338	412
" " "	"	3F	B.H.P.	767	654	Input-720#	720#	
			G.O.R.	399	—	—	—	
" " "	"	4F	B.H.P.	787	684	640	665	
			G.O.R.	407	1719	—	1037	- 1246
" " "	"	5F	B.H.P.	797	599	525	550	
			G.O.R.	267	1210	—	1733	- 1733
" " "	"	6F	B.H.P.	777	630	605	565	
			G.O.R.	451	1317	—	1713	- 1714
" " "	"	7F	B.H.P.	—	635	520	635	
			G.O.R.	—	—	—	—	
Grayburg Oil Co.	State	1	B.H.P.	842	593	520	525	
			G.O.R.	693	2459	—	3367	2559
R. R. Woolley	Woolley	1D	B.H.P.	787	687	683	710	
			G.O.R.	453	1751	—	2250	- 1881
" " "	"	2D	B.H.P.	807	700	603	650	
			G.O.R.	379	1429	—	1450	- 956
" " "	"	3D	B.H.P.	767	681	570	625	
			G.O.R.	—	1933	—	2120	- 1379
" " "	"	4D	B.H.P.	—	—	675	775	
			G.O.R.	—	—	—	470	- 440
Aston & Fair	State	1A	B.H.P.	722	652	565	568	
			G.O.R.	553	2109	—	2909	- 1550
" " "	"	1	B.H.P.	794	725	633	600	
			G.O.R.	1196	1677	—	921	- 835
" " "	"	2	B.H.P.	—	788	740	750	
			G.O.R.	—	926	—	689	- 574
" " "	"	5B	B.H.P.	—	—	—	—	
			G.O.R.	—	567	—	—	
" " "	"	6B	B.H.P.	832	682	730	770	
			G.O.R.	218	278	—	819	- 573
Aston-Fair-Scheurich	"	3	B.H.P.	—	629	600	660	
			G.O.R.	—	507	—	1343	- 602
" " "	"	4	B.H.P.	—	857	Input-860#	840#	
			G.O.R.	—	113	—	—	
Aston-Fair-Brigham	"	1	B.H.P.	842	715	675	660	
			G.O.R.	256	499	—	1396	- 857
" " "	"	2	B.H.P.	643	636	665	598	
			G.O.R.	—	1253	—	1136	- 828

Page 2

				9/40	9/41	3/42	6/42	8-42
Franklin Petroleum Corp.	Coppedge	2	B.H.P.	877	871	715	735	
			G.O.R.	405	683	—	1735	- 1198
" " "	"	3	B.H.P.	—	844	820	808	
			G.O.R.	—	702	—	389	- 297
" " "	"	4	B.H.P.	—	—	—	840	
			G.O.R.	—	—	—	—	
" " "	Yates "A"	1	B.H.P.	772	693	610	610	
			G.O.R.	465	3133	—	2368	- 2120
" " "	" "	2	B.H.P.	782	634	610	655	
			G.O.R.	449	745	—	1431	- 1142
" " "	" "	3	B.H.P.	787	686	640	650	
			G.O.R.	391	1428	—	1078	- 384
" " "	" "	4	B.H.P.	817	655	700	700	
			G.O.R.	338	873	—	896	- 772
" " "	" "	5	B.H.P.	852	759	760	770	
			G.O.R.	557	444	—	812	- 687
" " "	" "	6	B.H.P.	882	836	Input-880	880	
			G.O.R.	373	750	—	—	
" " "	Canfield	1	B.H.P.	852	779	805	825	
			G.O.R.	—	895	—	791	- 771
" " "	"	2	B.H.P.	—	—	843	846	
			G.O.R.	405	—	—	767	- 635
" " "	Ballard	1A	B.H.P.	804	721	705	740	
			G.O.R.	421	1512	—	1064	- 1340
" " "	"	2A	B.H.P.	827	702	665	655	
			G.O.R.	693	2355	—	2137	- 1320
" " "	"	3A	B.H.P.	797	725	665	655	
			G.O.R.	576	1815	—	2368	- 2873
" " "	"	1B	B.H.P.	687	581	Input-600#	600#	
			G.O.R.	399	3422	—	—	
" " "	"	2B	B.H.P.	830	711	640	645	
			G.O.R.	455	1808	—	2373	- 2720
" " "	"	3B	B.H.P.	770	656	550	585	
			G.O.R.	437	3230	—	3400	- 2772
R. W. Fair	State	1A	B.H.P.	827	701	595	580	
			G.O.R.	247	1126	—	1538	- 1410
" " "	"	2A	B.H.P.	817	710	600	590	
			G.O.R.	—	1559	—	2071	- 1800
Allen, Fair & Pope	State	1A	B.H.P.	—	—	—	—	
			G.O.R.	765	2359	—	2106	- 1127
" " "	"	2A	B.H.P.	637	509	445	520	
			G.O.R.	592	547	—	1940	- 1197
" " "	"	3A	B.H.P.	—	—	—	—	
			G.O.R.	601	3095	—	2224	- 1339

Woolley

Page 3

				9/40	9/41	3/42	6/42	8/~~15~~/42
Allen, Fair & Pope	State	1B	B.H.P.	804	568	520	518	
			G.O.R.	370	1490	—	1574	- 1560
" " "	"	2B	B.H.P.	—	—	—	—	
			G.O.R.	—	388	—	—	
" " "	"	1C	B.H.P.	—	—	528	535	
			G.O.R.	—	10950	—	13440	- 21,[illegible]
Kinfolks Trust	State	3	B.H.P.	—	—	585	630	
			G.O.R.	—	589	—	1401	441 ~~477~~
Friendship Oil Company	State	1	B.H.P.	667	634	565	550	
			G.O.R.	505	1000	—	2204	- 1838
Rose City	Watson & Smith	1	B.H.P.	810	413	320	315	
			G.O.R.	601	2257	—	4265	- 2881
" "	" "	2	B.H.P.	727	430	265	280	
			G.O.R.	319	3340	—	1213	1613
R. W. Fair	Brainard	1	B.H.P.	783	576	450	440	
			G.O.R.	757	3072	—	4263	- 2916
" " "	"	2	B.H.P.	788	519	450	430	
			G.O.R.	534	1653	—	2885	- 2492
" " "	"	3	B.H.P.	829	659	640	Input 640	
			G.O.R.	349	—	—	—	
" " "	"	4	B.H.P.	792 Input-	—	460	490	
			G.O.R.	528	5809	—	1595	- 1715
" " "	"	5	B.H.P.	806	694	565	515	
			G.O.R.	401	739	—	2241	- 741
" " "	"	7	B.H.P.	744	666	610	757	
			G.O.R.	522	739	—	634	- 750
" " "	"	8	B.H.P.	842	—	—	—	
			G.O.R.	—	1437	—	—	
" " "	"	6	Gas Well				700#	
Yates et al	Yates "A"	1	B.H.P.	847	761	Input-840#	840#	
			G.O.R.	354	—	—	—	
" " "	" "	2	B.H.P.	822	775	665	~~590~~ 610	
			G.O.R.	370	1237	—	766	- 442
" " "	" "	3	B.H.P.	827	721	700	740	
			G.O.R.	343	1667	—	1279	- 1037
" " "	" "	4	B.H.P.	852	808	765	760	
			G.O.R.	385	624	—	747	- 531
Yates-Franklin	State	1	B.H.P.	844	741	715	715	
			G.O.R.	—	1018	—	2662	- 1361
Dixon & Yates	Ballard	1A	B.H.P.	832	703	690	665	
			G.O.R.	328	1050	—	1600	- 1007

31

				9/40	9/41	3/42	6/42	- 8-42
Dixon & Yates Oil Co.	Ballard	2A	B.H.P.	842	746	665	730	
			G.O.R.	395	1721	—	1939	- 1039
" " " "	"	1B	B.H.P.	797	739	760	625	
			G.O.R.	373	1552	—	2600	- 2077
" " " "	"	2B	B.H.P.	491	645	655	600	
			G.O.R.	518	1541	—	1529	- 1602
" " " "	Saunders	1A	B.H.P.	—	626	665	710	
			G.O.R.	363	708	—	452	- 557
" " " "	"	2A	B.H.P.	842	769	700	700	
			G.O.R.	—	573	—	497	- 761
" " " "	"	4A	B.H.P.	—	—	735	775	
			G.O.R.	—	—	—	639	- 838
" " " "	"	5A	B.H.P.	—	—	820	840	
			G.O.R.	—	—	—	604	- 666
" " " "	"	6A	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	- 569
" " " "	Day	1	B.H.P.	—	—	860	880	
			G.O.R.	—	—	—	562	- 519
" " " "	"	2	B.H.P.	—	—	—	885	
			G.O.R.	—	—	—	405	- 523
Yates & Continental	Brainard	1	B.H.P.	782	671	530	550	
			G.O.R.	449	2354	—	3225	- 2451
" "	"	2	B.H.P.	762	680	550	555	
			G.O.R.	661	1155	—	1134	- 1770
" "	"	3	B.H.P.	807	561	Pump	—	
			G.O.R.	567	—	—	—	
" "	"	4	B.H.P.	762	703	600	620	
			G.O.R.	1824	2672	—	4809	- 2200
Sallee & Yates	State	1	B.H.P.	852	747	613	615	
			G.O.R.	334	2983	—	2098	- 2260
" "	"	2	B.H.P.	842	723	646	625	
			G.O.R.	—	3219	—	2360	- 1416
" "	"	3	B.H.P.	802	694	610	620	
			G.O.R.	520	2376	—	1495	- 815
" "	"	4	B.H.P.	—	676	680	Input__	
			G.O.R.	—	—	—	—	
" "	Ballard	1B	B.H.P.	722	633	640	540	
			G.O.R.	423	1766	—	2254	- 1370
" "	"	2B	B.H.P.	832	741	670	650	
			G.O.R.	372	1347	—	2128	- 931
S. P. Yates	Brainard	1	B.H.P.	773	495	340	345	
			G.O.R.	431	2955	—	3925	2628
" " "	"	2	B.H.P.	737	566	425	395	
			G.O.R.	439	2945	—	3925	3980

				9/40	9/41	3/42	6/42	8-42
S. P. Yates	Brainard	3	B.H.P.	757	524	Input-520	Input-460#	
			G.O.R.	323	1989	—	—	
" " "	"	4	B.H.P.	767	545	365	355	
			G.O.R.	377	4272	—	3175	- 3227
" " "	"	5	B.H.P.	802	—	445	295	
			G.O.R.	632	2011	—	5246	- 3600
" " "	"	6	B.H.P.	692	502	360	318	
			G.O.R.	592	2761	—	5595	- 1454
Continental & S. P. Yates	"	1	B.H.P.	697	558	461	445	
			G.O.R.	—	2898	—	5115	- 3724
" " " "	"	2	B.H.P.	717	597	Input-760#	Input-720#	
			G.O.R.	—	2469	—	—	
" " " "	"	3	B.H.P.	727	561	534	519	
			G.O.R.	—	1530	—	—	- 1560
" " " "	"	4	B.H.P.	—	—	Pumper	—	
			G.O.R.	—	204	—	—	
" " " "	"	5	B.H.P.	—	505	372	543	
			G.O.R.	—	4380	—	4099	- 1212
" " " "	Travis	1	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
" " " "	"	2	B.H.P.	—	—	—	408	
			G.O.R.	—	2208	445	2688	- 1175
Continental Oil Co.	State "M"2	1	B.H.P.	763	646	573	623	
			G.O.R.	—	1144	—	1951	- 2102
" " "	"	2	B.H.P.	737	Input___	Input-880	—	
			G.O.R.	—	1185	—	—	
" " "	"	3	B.H.P.	797	717	627	580	
			G.O.R.	—	1758	—	1623	- 1900
" " "	"	4	B.H.P.	852	742	—	670	
			G.O.R.	—	1047	—	1857	- 1855
" " "	N-2	1	B.H.P.	837	586	—	599	
			G.O.R.	—	1081	—	1578	- 712
" " "	N-10	1	B.H.P.	824	696	554	534	
			G.O.R.	—	1271	—	2090	- 2100
" " "	L-16	1	B.H.P.	542	—	—	—	
			G.O.R.	—	1705	—	—	
" " "	O-16	1	B.H.P.	567	473	369	361	
			G.O.R.	—	2346	—	4226	- 2700
Bassett & Birney	State	1B	B.H.P.	794	666	560	580	
			G.O.R.	474	2004	—	1999	- 1734
" "	"	2B	B.H.P.	837	724	630	590	
			G.O.R.	312	1449	—	3342	- 1767

o

				9/40	9/41	3/42	6/42	8-42
Bassett & Birney	State	3B	B.H.P.	820	679	535	525	
			G.O.R.	362	1174	—	2120	- 1274
" "	"	4B	B.H.P.	830	643	545	570	
			G.O.R.	—	1504	—	2577	- 2417
" "	"	5B	B.H.P.	832	—	595	510	
			G.O.R.	—	4182	—	2624	- 3107
" "	"	6B	B.H.P.	—	—	—	600	
			G.O.R.	—	—	—	—	
" "	"	7B	B.H.P.	—	—	955	830	
			G.O.R.	—	—	—	812	- 1089
Brainard & Guy	Brainard	1	B.H.P.	790	—	425	425	
			G.O.R.	318	—	—	2700	- 1750
" "	"	2	B.H.P.	730	544	445	440	
			G.O.R.	314	—	—	1581	- 1620
" "	Guy	1	B.H.P.	760	—	410	405	
			G.O.R.	445	—	—	2314	- 1876
" "	"	2	B.H.P.	770	—	463	413	
			G.O.R.	304	—	—	1468	- 1640
" "	"	3	B.H.P.	373	355	378	397	
			G.O.R.	852	—	—	998	- 1098
" "	"	4	B.H.P.	—	—	—	—	
			G.O.R.	426	—	—	—	
O. H. Randel	Shelby	1	B.H.P.	832	—	—	601	
			G.O.R.	389	—	—	3069	- 2267
Carper-Miles-Tallmadge	State	1A	B.H.P.	767	010	765	775	
			G.O.R.	—	—	—	659	- 627
" " "	"	2A	B.H.P.	787	—	710	720	
			G.O.R.	—	—	—	603	- 541
" " "	"	3A	B.H.P.	—	—	—	575	
			G.O.R.	—	—	—	217	- 554
Carper-Tallmadge	"	1	B.H.P.	749	427	445	352	
			G.O.R.	—	—	—	3874	- 3646
Carper-Brookover	"	1	B.H.P.	413	328	348	390	
			G.O.R.	—	—	—	—	
Bowers & Bowers	"	1	B.H.P.	—	—	690	670	
			G.O.R.	—	—	—	1261	- 1107
Underwood & Sanders	Guy	1	B.H.P.	737	—	384	416	
			G.O.R.	399	2330	—	3976	- [illegible]
" "	Guy NX	1	B.H.P.	—	—	445	453	
			G.O.R.	450	1181	—	3946	- 3460

2

				9/40	9/41	3/42	6/42	- 8-42
Underwood & Sanders	Guy P	1	B.H.P.	—	—	Input-480	Input-480	
			G.O.R.	439	3961	—	—	
" "	"	2	B.H.P.	—	—	431	350	
			G.O.R.	324	1455	—	3119	- 3100
" "	"	3	B.H.P.	768	454	432	358	
			G.O.R.	122	4991	—	1864	- 1860
" "	"	4	B.H.P.	—	—	376	381	
			G.O.R.	141	2170	—	4370	- 2742
" "	Langford	1	B.H.P.	489	285	398	344	
			G.O.R.	385	2929	—	512	
" "	"	2	B.H.P.	694	502	400	422	
			G.O.R.	401	2346	—	4329	
" "	Travis	1	B.H.P.	—	—	—	400	
			G.O.R.	724	65	—	1085	- 1776
Sanders Brothers	Travis	1	B.H.P.	640	—	—	—	
			G.O.R.	724	502	—	—	
" "	"	2	B.H.P.	—	—	455	400	
			G.O.R.	2027	567	—	—	
" "	Guy R	1	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
" "	Murdock	1	B.H.P.	—	—	—	—	
			G.O.R.	456	—	—	—	
Underwood & Sanders	Miller	1	B.H.P.	—	325	—	—	
			G.O.R.	1554	164	—	—	
" "	"	2	B.H.P.	—	—	—	—	
			G.O.R.	352	—	—	—	
" "	"	3	B.H.P.	—	—	—	—	
			G.O.R.	948	—	—	—	
" "	"	4	B.H.P.	—	389	Input-920	Input-880	
			G.O.R.	575	—	—	—	
Flynn, Welch & Yates	Langford	1	B.H.P.	673	—	510	346	
			G.O.R.	—	2775	—	2490	- 1900
" " "	"	2	B.H.P.	727	—	385	343	
			G.O.R.	—	2508	—	5142	
" " "	"	3	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
" " "	State	1	B.H.P.	792	634	635	580	
			G.O.R.	—	942	—	~~4648~~ 2276	- 1910
" " "	Travis	1	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
" " "	"	2	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
" " "	"	3	B.H.P.	—	—	490	480	
			G.O.R.	—	—	—	505	

3

				9/40	9/41	3/42	6/42	- 8-42
Frank Montgomery	Saunders	1	B.H.P.	682	628	—	445	
			G.O.R.	—	2051	—	616	- [illegible]
" "	"	2	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
Gordon M. Cone	Guy	1	B.H.P.	676	—	589	591	
			G.O.R.	342	1159	—	3719	- 2715
" "	"	2	B.H.P.	780	571	425	395	
			G.O.R.	484	2565	—	4526	- [illegible]
" "	"	3	B.H.P.	817	489	470	430	
			G.O.R.	411	2500	—	3376	- 2474
" "	Langford	1	B.H.P.	564	—	Input-880#	—	
			G.O.R.	—	565	—	—	
" "	"	2	B.H.P.	727	489	374	380	
			G.O.R.	656	1997	—	2914	- 2537
Banner Oil Company	Miller	1	B.H.P.	—	325	—	—	
			G.O.R.	—	—	—	—	
" " "	"	2	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
" " "	"	3	B.H.P.	—	—	—	—	
			G.O.R.	—	999	—	—	
" " "	"	4	B.H.P.	—	389	—	—	
			G.O.R.	—	—	—	—	
Mo-Tex Supply Company	Ballard	1B	B.H.P.	373	—	428	310	
			G.O.R.	—	—	—	3669	- [illegible]
" " "	Miller	1	B.H.P.	—	—	—	—	
			G.O.R.	—	—	—	—	
" " "	"	2	B.H.P.	—	—	378	370	
			G.O.R.	—	—	—	937	- 1037
" " "	Yates	1	B.H.P.	—	—	363	315	
			G.O.R.	—	—	—	4858	
" " "	"	2	B.H.P.	326	—	278	230	
			G.O.R.	—	—	—	2810	- [illegible]
" " "	"	3	B.H.P.	343	—	368	295	
			G.O.R.	—	—	—	—	

2

				9/40	9/41	3/42	6/42	8-42
Stroup & Yates	Ballard	1B	B.H.P.	—	536	565	523	
			G.O.R.	—	617	—	4819	
" "	"	2B	B.H.P.	—	667	481	352	
			G.O.R.	—	711	—	2026	
" "	"	3B	B.H.P.	—	640	450	398	
			G.O.R.	—	1400	—	2584	
" "	Travis	1	B.H.P.	318	—	334	341	
			G.O.R.	—	2570	—	2031	- [illegible]
" "	"	2	B.H.P.	—	—	606	513	
			G.O.R.	—	—	—	—	
" "	"	3	B.H.P.	—	673	540	473	
			G.O.R.	—	—	—	2265	[illegible]
" "	"	4	B.H.P.	—	—	508	Input-	
			G.O.R.	—	—	—	—	
" "	"	5	B.H.P.	—	—	—	450	
			G.O.R.	—	—	—	1321	

4