

HUMBLE OIL & REFINING COMPANY

HUMBLE DIVISION

MAIN OFFICE 000

Hobbs, New Mexico

March 1, 1962

1962 MAR 5 AM 8:26

Re: Commingling Production,
New Mexico State "EM" Lease,
Justis Pools,
Lea County, New Mexico

State of New Mexico
Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr., Secretary-Director

Gentlemen:

Humble Oil and Refining Company respectfully requests your permission to commingle production on its New Mexico State "EM" Lease, North Justis Pool, from the Ellenburger, Waddell, McKee, Fusselman, Drinkard, and Blinberry formations.

The New Mexico State "EM" Lease, comprising the E/2 of the SE/4 of Section 2, T-25-S, R-27-E, Lea County, New Mexico has one non-concentric (4-1/2, 2-7/8) dual completion and locations for two other duals are being prepared as shown in the attached lease plat. It is anticipated that this 80-acre lease may ultimately contain two completions in each of the above mentioned six pays. It is proposed to commingle the production from each of these zones, following metering, as shown on the attached sketch. Such facilities are in "substantial compliance" with the installation depicted in the New Mexico Oil Conservation Commission "Manual For The Installation and Operation of Commingling Facilities" Figure 4. The samplers and heater treater shown in this sketch will not be installed initially, but rather as the production of water necessitates these facilities.

The seven port valves shown in the attached sketch are to be Continental-Emsco's Win Well valves. When provided with the mechanical interlock shown in the sketch, this installation assures the measurement of the volumes from each common source of supply prior to commingling. The block valve arrangement downstream of the samplers will be used to permit meter proving by means of a strapped stock tank prover.

HUMBLE OIL & REFINING COMPANY

HUMBLE DIVISION

Page 2

Subject: Commingling Production, New Mexico State "B" Lease

The following table demonstrates that actual commercial value of the commingled production will not be less than the sum of the values of the production from each common source of supply, but rather that by commingling the value of the daily lease production will increase \$69.12.

<u>Formation</u>	<u>Gravity</u>	<u>Price Per Barrel</u>	<u>Barrels of Daily Value of Daily</u>	
			<u>Production</u>	<u>Production</u>
Ellenburger	48.1	\$2.93	216	\$632.88
Waddell	47.2	2.95	216	637.20
McKee	45.0	2.99	216	645.84
Fusselman	36.3	2.93	168	492.24
Drinkard	35.2	2.91	96	279.36
Blinbry	34.0	2.89	96	277.44
Total			1,008	\$2,964.96
Commingled				
Stream	42.5	\$3.01	1,008	\$3,034.08

It is apparent from the above data that commingling does not reduce the value of the production, that the method of commingling proposed provides accurate measurement prior to commingling, and that improved operations will result. It is requested that this commingling installation be approved.

Yours truly,

HUMBLE OIL & REFINING CO.

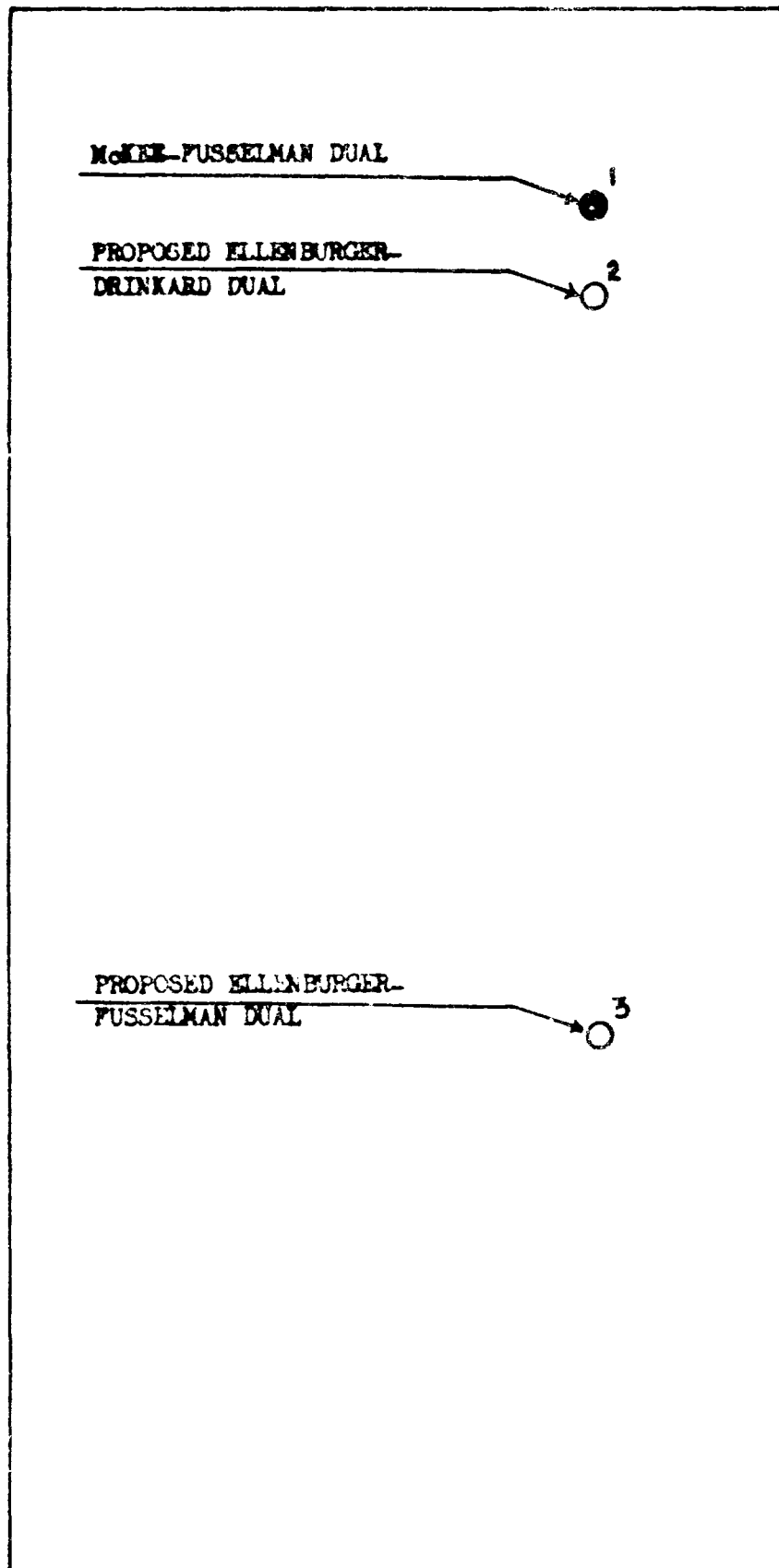
R. R. Alworth
R. R. Alworth

JWS/mcb

- 1 cc: N. M. O. C. C., Hobbs, N. M.
- 1 cc: Mr. W. H. Dick, Jr., Houston, Texas
- 1 cc: Mr. R. R. McCarty, Attn: Mr. J. L. Pinkerton, Midland, Texas

LEASE PLAT
HUMBLE OIL & REFINING COMPANY
NEW MEXICO STATE "NM" LEASE
E/2 of SE/4, SECTION 2, T-25-S, R-37-E
LEA COUNTY, NEW MEXICO

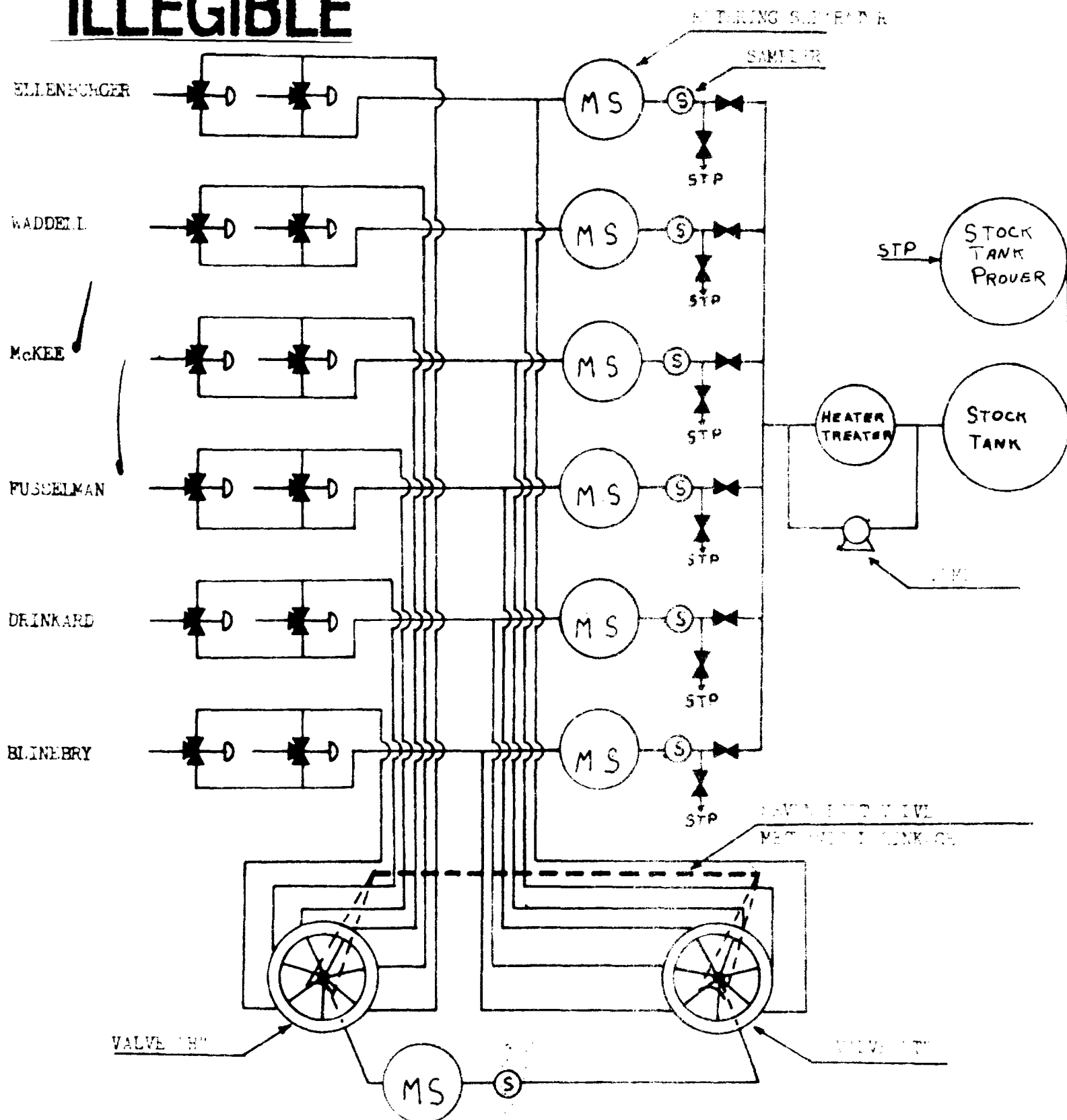
ILLEGIBLE



Scale 1" = 300 Feet

NORTH JUSTIS POOL, LEA COUNTY

ILLEGIBLE



OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 7, 1962

C
O
P
Y

Humble Oil & Refining Company
P. O. Box 2347
Hobbs, New Mexico

Attention: Mr. R. R. Alworth

Gentlemen:

Reference is made to your letter of March 1, 1962, wherein you have requested authority to commingle Ellenburger, Waddell, McKee, Fusselman, Drinkard, and Blinbry production from your State "BM" Lease, North Justis Field, Lea County, New Mexico.

It is no longer the practice of the Commission to authorize commingling of several zones where production has not yet been obtained. Further, your application was not accompanied by evidence that the Commissioner of Public Lands has consented to the proposed commingling.

Upon receipt of such evidence, we shall be most happy to process your application to commingle the present McKee and Fusselman production. Thereafter, when a new zone is to be added, a letter amending the original order will be issued.

To avoid the necessity of having to obtain Land Office consent each time a new zone is added, I would suggest that you seek approval of all zones from the Land Commissioner, if possible.

Very truly yours,

DANIEL S. NUTTER
Chief Engineer

DSN/ir

cc: Mr. Joe D. Ramey
Oil Conservation Commission
Hobbs, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 1, 1944

Humble Oil & Refining Company
P. O. Box 1447
Hobbs, New Mexico

Attention: Mr. J. M. Smith

Gentlemen:

Reference is made to your letter of March 1, 1944, wherein you
have requested that we try to determine if a good quality,
McKee, Reservoir, Brownish, and slightly acidulated from your
Sinks and lease, Santa Fe, New Mexico, has been found.

It is no longer the practice of the Commission to summarize
summarizing of several notes where evidence has not yet been
obtained. Further, your application was not accompanied by
evidence that the Commission is taking action has consented to
the proposed summary.

Upon receipt of your letter, we will be glad to process
your application as to whether the McKee, Reservoir, Brownish,
and acidulated, which has been found to be good, a letter
summarizing the original summary will be issued.

To avoid the necessity of having to call on the office to seek
and find a new word or phrase, I would suggest that you seek
approval of all words from the Commission, if possible.

Very truly yours,

JOHN A. SMITH
Chief Engineer

DJH:ir

cc: Mr. Joe G. Smith
Oil Conservation Commission
Hobbs, New Mexico

HUMBLE OIL & REFINING COMPANY
HUMBLE DIVISION

1962 MAR 13 PM 1:18
MAIN OFFICE CCC

March 12, 1962
Hobbs, New Mexico

Re: Commingling Production
New Mexico State "BM" Lease,
North Justis Pools
Lea County, New Mexico

State of New Mexico
Oil Conservation Commission
Box 871
Santa Fe, New Mexico

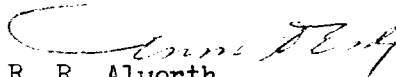
Attention: Mr. A. L. Porter, Jr., Secretary-Director

Gentlemen:

Attached is 3 copies of letter from Commissioner of Public Lands stating his approval to commingle production from the Fusselman and McKee Pools in the North Justis Pools on Humble's New Mexico State "BM" Lease, the E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 2, T-25-S, R-37-E, Lea County, New Mexico.

Very truly yours,

HUMBLE OIL & REFINING COMPANY


R. R. Alworth
District Superintendent

BKB/df1/akf

ERA.

State of New Mexico



Commissioner of Public Lands



E. S. JOHNNY WALKER
COMMISSIONER

P. O. BOX 791
SANTA FE, NEW MEXICO

March 8, 1962

Humble Oil & Refining Company
P. O. Box 2347
Hobbs, New Mexico

Attention: Mr. R. R. Alworth

Dear Mr. Alworth:

We have your letter of March 7, 1962, again requesting permission to commingle production from the New Mexico State BM Lease, North Justis Pools, Lea County, New Mexico.

You have given a corrected description, being the E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 2, T. 25 S., R. 37 E.

We find that this acreage belongs to common schools, therefore, we have no reason to object to this operation, since your information shows that the State would lose no royalties.

Thank you again for your cooperation, in this matter.

Yours very truly,

E. S. JOHNNY WALKER
Commissioner of Public Lands

By: *Ted Bilberry*
Ted Bilberry, Supervisor
Oil and Gas Division

BSW:TB:eq