

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

October 18, 1966

C
Mr. Harold Kersey
Kersey & Company
Post Office Box 316
808 West Grand
Artesia, New Mexico

O
Dear Sir:

P
Reference is made to commission Order No. R-3110, recently entered in Case No. 3446, approving the revised Old Loco Unit Waterflood Project.

Injection is to be through the eight authorized water injection wells, each of which shall be equipped with tubing and packer, said packers being set as near to the upper perforation as is practicable.

Y
As to allowable, our calculations indicate that when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 672 barrels per day when the Southeast New Mexico waterflood allowable factor is 42.

Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the commission and the appropriate district proration office.

In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned commission offices by letter of

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

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**Mr. Harold Kersey
Kersey & Company
Artesia, New Mexico**

any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

Your cooperation in keeping the commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

ALP:DSN/ir

**cc: Mr. Frank Irby
State Engineer Office
Santa Fe, New Mexico**

Oil Conservation Commission Offices in Hobbs and Artesia

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

Case 3446

July 18, 1966

Kersey and Company
P. O. Box 316
Artesia, New Mexico 88210

Attention: Mr. Harold Kersey

Gentlemen:

By your application dated July 13, 1966, you requested revision of Order R-2908, by administrative procedure, to change the injection pattern for the Old Loco Unit Waterflood Project. Legally, this is not possible; therefore, the matter will be set for hearing before an examiner to be heard on August 24.

Very truly yours,

J. E. KAPTEINA
Engineer

JEK/og

DOCKET MAILED

Date 8-11-66
h

Eddy
NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS
(Submit to appropriate District Office as per Commission Rule 1106)
1957 AUG 28 PM 1:29

COMPANY MILLER & SMITH PETROLEUM ACCOUNT 302 Carper Building, Artesia, New Mexico
(Address)

LEASE Texas Gulf State WELL NO. 1 UNIT G S 32 T 17S R 29E
DATE WORK PERFORMED 8-27-57 POOL Grayburg-Jackson

This is a Report of: (Check appropriate block) ☒ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☐ Plugging ☐ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

C-101 called for 8 5/8" casing set at 350' w/50 sac cement. As a change of plans, and as outlined verbally with Mr. M. L. Armstrong on this day, the 8 5/8" was set at 314' (a few feet below the top of the salt) and a formation shut-off secured. Drilling was resumed in a dry hole. Should water break in, corrective measures will be taken.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE AFTER

Date of Test	_____	_____
Oil Production, bbls. per day	_____	_____
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas-Oil Ratio, cu. ft. per bbl.	_____	_____
Gas Well Potential, Mcf per day	_____	_____
Witnessed by _____		

(Company)

OIL CONSERVATION COMMISSION

Name M L Armstrong
Title OIL AND GAS INSPECTOR
Date AUG 28 1957

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name Vilas P. Sherr
Position Manager
Company MILLER & SMITH PETROLEUM ACCOUNT

KERSEY & COMPANY

DRILLING AND OIL PRODUCTION

1966 AUG -4 AM 5:30
Phone SH 6-3671 • P. O. Box 316 • 808 W. Grand
ARTESIA NEW MEXICO 88210

STATE ENGINEER'S OFFICE
SANTA FE, N.M.

August 3, 1966

Aug 24
Hearing
32-175-29E

Re: Old Loco Unit
Section 32, T17S
R29E, Eddy County,
New Mexico

Mr. Frank E. Irby
State Engineer's Office
P. O. Box 1079
Santa Fe, New Mexico

*Jim -
Please note
Frank.*

Dear Mr. Irby:

Your letter has been received concerning our application to change the pattern on the above flood and for which a hearing is set for August 24th.

*No cement
C-103 Aug 27, 1957*

Relative to the sketch on well #7, the records were rather meager and I could not determine definitely about the cement. The records do not disclose any surface water in this area, and we drilled a well 660' south of this location which was without surface water. I will appreciate your advising how to handle this situation.

With regard to the plugged well #13, the diagram should be changed to read 2375' for the packer rather than 2475'. An inflatable packer could be used at 2475', but they are not too practical for this use and it would be better to use a tension packer at 2375'.

Any suggestions or help you can render will be gratefully appreciated.

Sincerely,

KERSEY & COMPANY

Harold Kersey

Harold Kersey

HK:cg

Mullen & Smith Petroleum Account

July 27, 1966

Kersey and Company
P. O. Box 316
Artesia, New Mexico 88210

Jim
Please note
Frank

Gentlemen:

Reference is made to your application to the Oil Conservation Commission which seeks to change the injection pattern for the old Loco Unit. The Commission has advised me that this has been set down for hearing on August 24th due to the fact that it cannot be handled administratively.

On the diagrammatic sketch of your well #7, the surface casing is shown as 8 5/8 inches at a depth of 350 feet, but no mention is made concerning the cementing of this surface casing. I assume this was an oversight on the part of your draftsman and I would appreciate the information you may be able to furnish me pertaining to this item.

With regard to your proposed well to be numbered 13, which is presently a plugged and abandoned well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Sec. 32, T. 17 S., R. 29 E., I am assuming, from the information on the diagrammatic sketch, that the 5 $\frac{1}{2}$ inch casing was shot off ~~at~~ about 2400 feet when the well was plugged and abandoned and that the 4 $\frac{1}{2}$ inch casing which you propose to run would be set inside the stub of the 5 $\frac{1}{2}$ inch casing with 100 sacks of cement. The sketch also indicates that the tension packer on the end of the tubing will be set in the 5 $\frac{1}{2}$ inch casing rather than the 4 $\frac{1}{2}$ inch. This appears to me, but not being familiar with the mechanics of your operation, I am curious to know if a packer, which will go down through the 4 $\frac{1}{2}$ inch casing, will expand sufficiently to create a seal in the 5 $\frac{1}{2}$ inch casing.

Since my theories and questions are based on assumptions, I would appreciate your advising me as to what the factual situation is with regard to the well to be numbered 13.

FEI/ma

cc=F. H. Hennighausen

Very truly yours,

Frank E. Irby
Chief, Water Rights Div.

GOVERNOR
JACK M. CAMPBELL
CHAIRMAN

State of New Mexico
Oil Conservation Commission

LAND COMMISSIONER
GUYTON B. HAYS
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 2088
SANTA FE

August 30, 1966

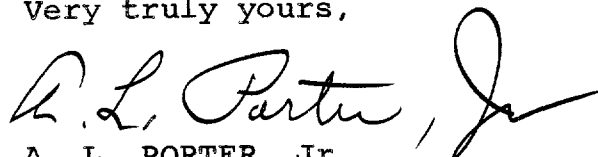
Mr. Harold Kersey
Kersey & Company
Post Office Box 316
808 West Grand
Artesia, New Mexico

Re: Case No. 3446
Order No. R-3110
Applicant:
Kersey & Company

Dear Sir:

Enclosed herewith is a copy of the above-referenced Commission order recently entered in the subject case. Letter pertaining to conditions of approval and maximum allowable to follow.

Very truly yours,



A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Carbon copy of order also sent to:

Hobbs OCC x
Artesia OCC x
Aztec OCC

Other Mr. Frank Irby

KERSEY AND COMPANY

P. O. Box 316
Artesia, New Mexico 88210
July 13, 1966

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

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

KERSEY & COMPANY REQUEST ADMINISTRATIVE
APPROVAL TO CHANGE THE INJECTION PATTERN
FOR THE OLD LOCO UNIT, SECTION 32,
TOWNSHIP 17 SOUTH, RANGE 29 EAST,
EDDY COUNTY, NEW MEXICO

Gentlemen:

New Mexico Oil Conservation Commission approved a water flood project on the above unit by order No. R-2908 dated May 10, 1965.

Since that time while working out details and obtaining approval of the unit, Tenneco Oil Company has obtained approval and initiated a flood in Section 28, Township 17S, Range 29 East. The pattern of their flood is approximately 180° off our proposed pattern. Since it is necessary to obtain cooperation from the adjoining leases we feel that in the interest of conservation that our pattern should be changed to conform to the flood under way.

In lieu of the following injections, namely:

Old Loco Unit #16 located in SE SE
Old Loco Unit #14 located in SE SW
Old Loco Unit # 8 located in SE NE
Old Loco Unit #12 located in NW SW
Old Loco Unit # 6 located in SE NW
Old Loco Unit # 4 located in NW NW

We propose to use for injection the following wells:

Old Loco Unit # 1 located NE NE
Old Loco Unit # 3 located NE NW
Old Loco Unit # 5 located SW NW
Old Loco Unit # 7 located SW NE
Old Loco Unit # 9 located NE SE
Old Loco Unit #11 located NE SW
Old Loco Unit, Plugged well located SW SW to be numbered 13
Old Loco Unit #15 located SW SE

In support of the request and as required by rule 701-B, the following data is attached:

1. A plat showing locations of the proposed injection wells and location of all wells within a radius of two miles from the injection wells and formations from which wells are producing or have produced. Lessee of record are indicated on the plat.

2. Excerpts showing Gamms Neutron logs of the pays to be flooded on two of the wells.

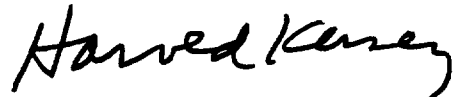
3. A schematic drawing showing each well, its casing depths, cement, perforations and packer settings.

A copy of this letter with attached data is being forwarded by certified mail to the State Engineer's office, Box 1079, Santa Fe, New Mexico and to the offset operators.

Your consideration and approval of the proposed change is respectfully requested.

Yours very truly,

KERSEY & COMPANY



Harold Kersey

HK:cg

CC: State Engineer
P. O. Box 1079
Santa Fe, New Mexico

Depco, Inc.
119 S. Roselawn
Artesia, New Mexico

General American Oil Company
Loco Hills, New Mexico

Skelly Oil Company
P. O. Box 730
Hobbs, New Mexico

J. Cleo Thompson
4500 Republic Natl. Bank Tower
Dallas, Texas 75201

Oil Conservation Commission
P. O. Drawer DD
Artesia, New Mexico 88210