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# Kersey & Co. - OLD LOCO UNIT Eddy County, New Mexico

O Proposed Water Injection well

- O Present Injection wells
- · Grayburg
- A Abo
- Gsa Grayburg San Andres
- SR Seven Rivers
- @ Penn.

Scale in Feet

o 1320 /2 Mile 3960 I mile

Case 3446

# FOR INJECTION-WELL# | NE NE Sec. 32-17-29

8% Set at 302' With 50 Sacks

Perforated 2586-92'

Perforated 2871-87

4½" Casing set at 2900' with 175 Sacks

# Proposed Proceedure:

- 1. Clean out to T.D.
- 2, Run 2" Cement lined tubing with Tension Packer set at 2500!

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXALL: NO.

8 % Set at 328' With 50 Sacks

Perf. 2486-92' 11 2494-00 11 2642-48' 11 2654-60

5½" Casing set at 2678' with 100 Sacks

- 1. Clean out to T. D
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500'

BEFORE EXAMINER UTZ
OIL LONGERVATION COMMISSION
EXPLUIT NO.
Crist Iso

For Injection ~ Well #5 SW NW Sec. 32-17-29

8 % Casing at 400' with 75 Sacks

Perforated 2537-47

Perforated 2700-2708

7" Casing to 2736 with 100 sacks

# Proposed Proceedure:

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500'

DEFORE EX TRUTZ

For Injection ~ Well#15 SW SE Sec. 32-17-29

8%" Casing at 306' with 50 sacks,

Perforations 2566-72'
11 " 2688-92'
11 " 2741-46'

41/2" Casing at 2766' with 200 Sacks.

### Proposed Proceedure:

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer at 2500'.

BEFORE EXAMINER UTZ

OIL COMMISSION

EXAMINENT NO.

For Injection - Well #7 SW NE Sec. 32-17-29

8% Casing at 350'

Perforations 2507-12'

Perforations 2624-28' 2630-37' 2640-46' 2676-90'

1 41/2" Casing at 3100' with 250 Sacks

## Proposed Proceedure:

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2475!

CASE NO.

For Injection~Well#9 NE SE Sec. 32-17-29

Ran 350' 8%" Casing with 100 Sacks

Perforations 2548-56'

' 2728-35'

Ran 2755 of 41/2" Casing with 200 Sacks

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500'.

BEFOR	E EXAMINER UTZ
OL CUN	ENVATION COMMISSION
	EXHIBIT NO.
CASE NO	

Perforations 2536-2544'

Perforations 2850-59'

41/2" Casing at 3015' with 200 Sacks.

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500;

BEFORE L	N. NER	UTZ
OIL CONSER.	DM COMM	NSSION
E	17 NO	
CASE NO	•	

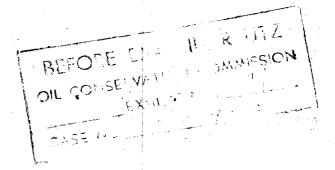
For Injection: Plugged Well SW/4 SW/4 Sec. 32-17-29 Proposed well to be numbered 13.

8% casing at 360' with 100 sacks.

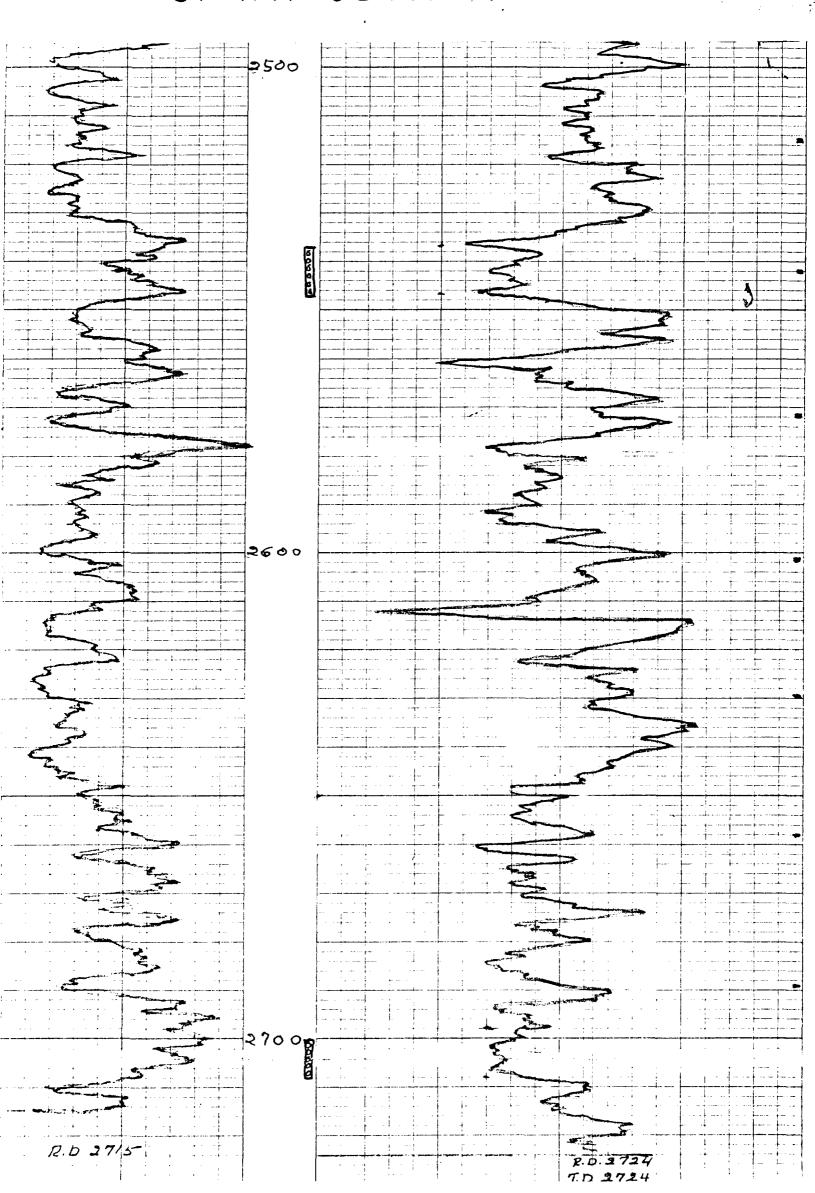
Proposed Proceedure:

- 1. Run 41/2" Cosing to casing Stub at 2400'- Cement With 100 sacks.
- 2. Perforate 51/2" Casing below 41/2" Casing as follows: a. 2510-20!
  - b. 2660-70!
- 3. Open Perforations by fracturing.
- 4. Run 2" cement lined tubing with Tension Packer at 2375!

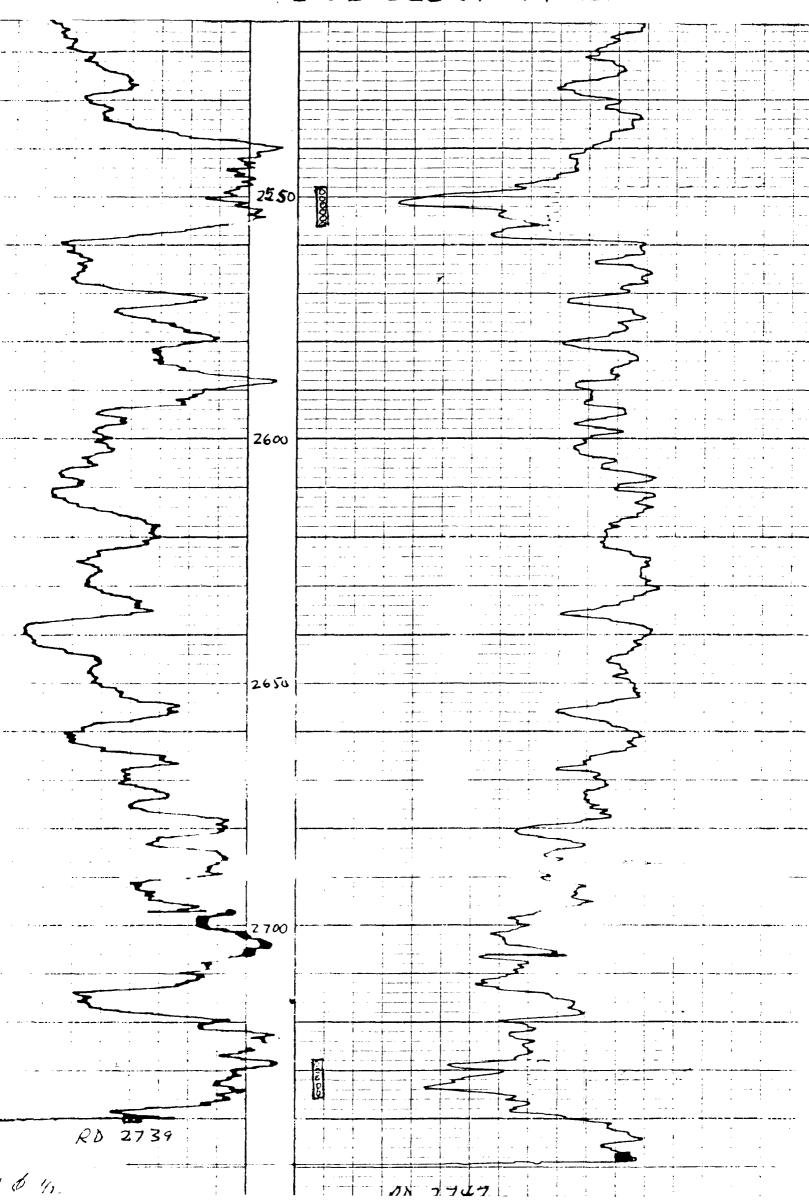
51/2" Casing at 2700 with 100 sacks.



Gamma-Neutron Log Well # 5 SW NW Sec. 32-17-29



Gamma-Neutron Log - Well# 8 NE SE Sec 32-17-29



# FOR INJECTION-WELL#1 NE NE Sec. 32-17-29

8% Set at 302' With 50 Sacks

Perforated 2586-92'

Perforated 2871-87

41/2" Casing set at 2900 with 175 Sacks

- 1. Clean out to T.D.
- 2, Run 2" Cement lined tubing with Tension Packer set at 2500'.

# FOR INJECTION-WELL# 3 NE NW Sec 32-17-29

8 % Set at 328' With 50 Sacks

Perf. 2486-92' 24 94-00 " 2642-48' 2654-60

5½" Casing set at 2678' with 100 Sacks

- 1. Clean out to T.D
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500'

8% Casing at 400' with 75 Sacks

Perforated 2537-47

Perforated 2700-2708

7" Casing to 2736 with 100 sacks

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500'

For Injection-Well#7 SW NE Sec. 32-17-29

8% Casing at 350'

Perforations 2507-12'

Perforations 2624-28' 2630-37' 2640-46' 2676-90'

1 4½" Casing at 3100' with 250 Sacks

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2475!

For Injection~Well#9 NE SE Sec. 32-17-29

Ran 350' 8%" Casing with 100 Sacks

Perforations 2548-56

' 2728-35'

Ran 2755 of 41/2" Casing with 200 Sacks

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500'.

For Injection - Well # 11 NE SW Sec. 32-17-29

8 % " Casing at 328' with 30 Sacks.

Perforations 2536-2544'

Perforations 2850-59'

41/2" Casing at 3015' with 200 Sacks.

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer set at 2500;

For Injection: Plugged Well SW/4 SW/4 Sec. 32-17-29 Proposed well to be numbered 13.

8% casing at 360' with 100 sacks.

Proposed Proceedure:

- 1. Run 4½" Cosing to casing Stub at 2400'- Cement With 100 sacks.
- 2. Perforate 51/2" Casing below 41/2" Casing as follows: a. 2510-20! b. 2660-70!
- 3. Open Perforations by fracturing.
- 4. Run 2" cement lined tubing with Tension Packer at 2475'

51/2" Casing at 2700 with 100 sacks.

For Injection ~ Well#15 SW SE Sec. 32-17-29

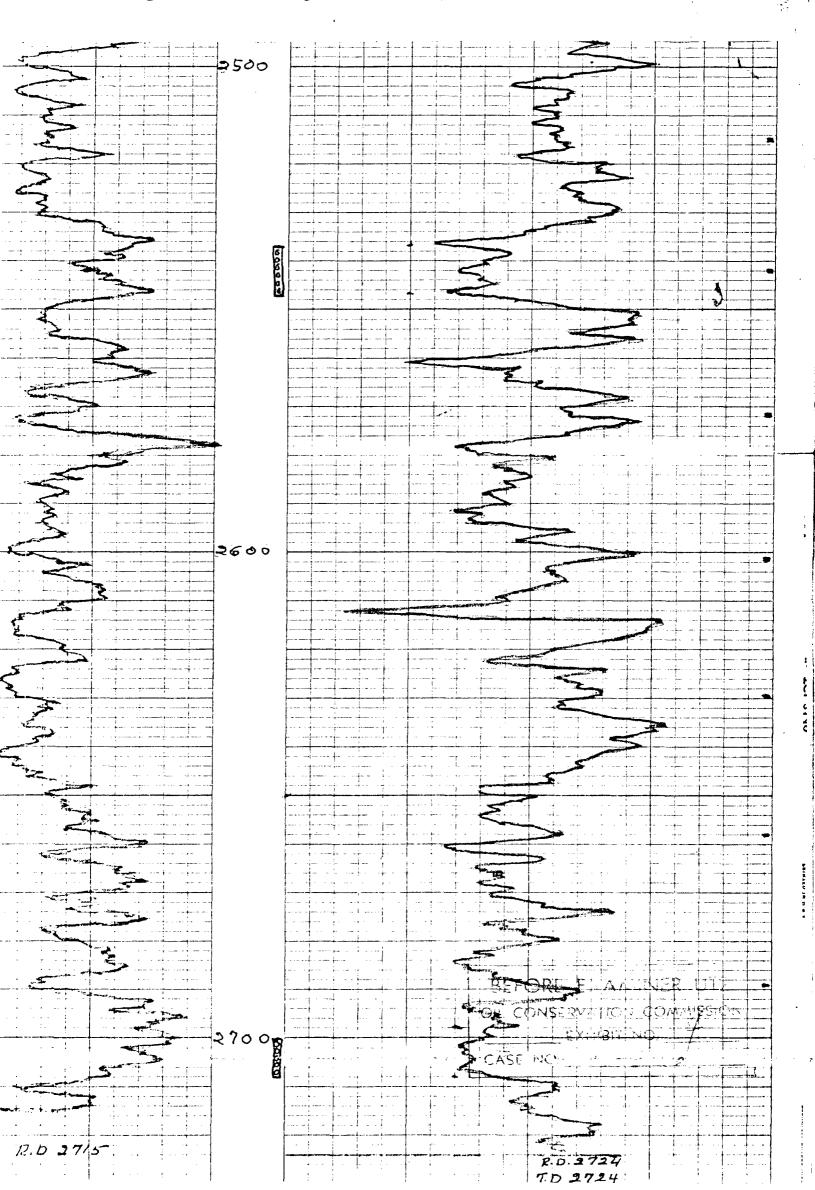
8%" Casing at 306' with 50 sacks,

Perforations 2566-72'
11 " 2688-92'
11 " 2741-46'

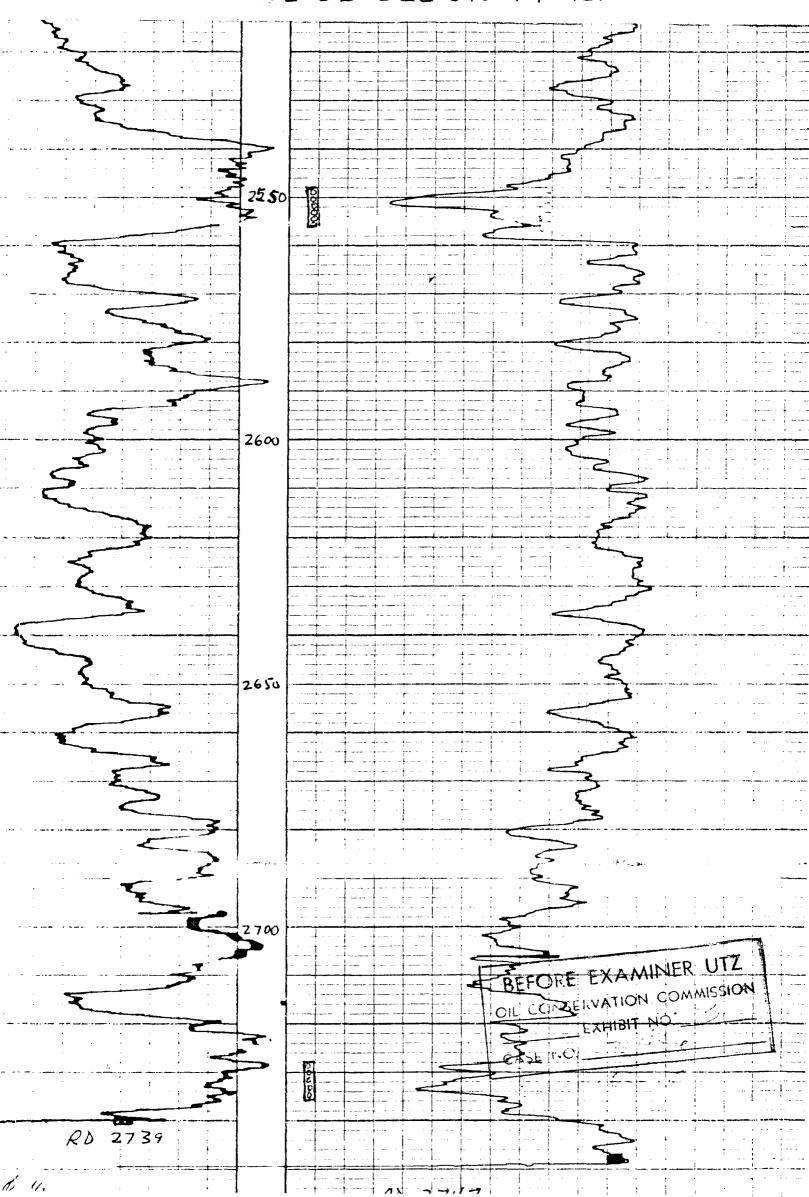
L4's" Casing at 2766' with 200 Sacks.

- 1. Clean out to T.D.
- 2. Run 2" Cement lined tubing with Tension Packer at 2500.

Gamma-Neutron Log Well # 5 SW NW Sec. 32-17-29



Gamma-Neutron Log - Well # 8 NE SE Sec 32-17-29



#### **KERSEY & COMPANY**

DRILLING AND OIL PRODUCTION

Phone SH 6-3671 • P. O. Box 316 • 808 W. Grand

ARTESIA. NEW MEXICO 88210

August 22, 1966

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

Attention: Mr. A. L. Porter, Jr.

Secretary - Director

Gentlemen:

The attached papers requested administrative approval for the changing of the flood pattern of the Old Loco Unit, Section 32, Township 17S, Range 29 East, Eddy County, New Mexico.

In view of the fact that a hearing is being held to judge the merits of the case, we would like authority to make any future changes if required by the administrative approval route.

Yours very truly,

KERSEY & COMPANY

Harred Kusen

Harold Kersey

HK:cg

CC: State Engineer
P. O. Box 1079

Santa Fe, New Mexico

BE	FORE	EXAN	NER	UTZ
DIL	CCINSE	ERVATION	COMM	NSSION
. ,		EXHL:37	NO	!

CASE NO.

#### 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 OII 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 178, 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 NV

Old Loco Unit # 4 located in NW NW

We propose to use for injection the following wells:

Old Loco Unit # 1 located HE HE

Old Loco Unit # 3 located NE NV

Old Loco Unit # 5 located SV HW

Old Loco Unit # 7 located SV NE

Old Loco Unit # 9 located NE SE

Old Loca Unit #11 located NE SW

Old Loco Unit, Plugged well located SV SV to be numbered 13

Old Loco Unit #15 located SW SE

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHILIT NO.
CASE No.

New Mexico Oil Conservation Commission Page 2

In support of the request and as required by rule 701-B, the foll-owing 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. Lesses of record are indicated on the plat.
- 2. Excerpts showing Gemma 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

Harred Kers

Herold Kersey

HK: cg

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

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

General American Oll Company Loco Hills, New Mexico

Skelly 011 Company P. O. Box 730 Hobbs, New Mexico

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

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