

# GENERAL AMERICAN OIL COMPANY OF TEXAS

DISTRICT OFFICE  
BOX 416  
LOCO HILLS, NEW MEXICO  
April 21, 1966

Mr. A. L. Porter  
Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

*W-235*  
*Rec May 10*

Dear Sir:

General American Oil Company of Texas hereby makes application for administrative approval to convert its Bosworth #1 and Brewer #5 and #18 wells to water injection wells in its East High Lonesome Penrose Sand Flood Unit. The High Lonesome Flood was approved under New Mexico Oil Conservation Commission Order No. R-2443.

Attached in accordance with Rule 701 are the following:

- (1.) A Plat showing the proposed injection wells and all other wells within a radius of two miles and the formation from which they produce or have produced.
- (2.) A portion of the available logs on the proposed injection wells.
- (3.) A diagrammatic sketch of the proposed injection wells showing casing, cement, tubing, packer, open hole, etc.
- (4.) A copy of the letter sent to the office of the State Engineer.
- (5.) Form C-116 showing response to proposed wells from water injection.

By the conversion of these three wells it is felt that better control of the oil movement can be obtained. The west end is tighter and recovery is more erratic and has had more water breakthrough, therefore we wish to stop any migration of oil from the east portion to the west by converting these wells.

April 21, 1966

Brewer #18 and Bosworth #1 are making such high water cuts that it is felt that they would be of more advantage as water injection wells than as producers. Brewer #5 is needed also to complete the blocking action and will afford better control on both the east and west sides.

A copy of the application with all attachments is being sent to the office of the State Engineer. A copy of the application is also being sent to International Oil and Gas which is the only offsetting operator.

Respectfully submitted,

GENERAL AMERICAN OIL COMPANY OF TEXAS

By:

A handwritten signature in dark ink, appearing to read "R. V. Heard", is written over a horizontal line.

R. V. Heard  
District Superintendent

RJH/rlc  
Encls.

April 21, 1966

International Oil and Gas Corporation  
P. O. Box 427  
Artesia, New Mexico

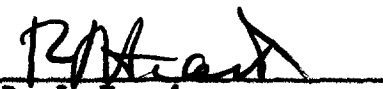
Gentlemen:

Attached is a copy of the application which General American has filed with the New Mexico Oil Conservation Commission requesting administrative approval for the conversion of its Bosworth #1 and Brewer #3 and #18 wells to water injection. These wells are about one half mile east of your High Lomasoma flood.

If your company has no objection to our converting these wells, please so notify Mr. A. L. Porter, Jr., Secretary-Director of the Commission. A waiver of objection will assist in the immediate approval of this application and would be appreciated by the undersigned.

Very truly yours,

GENERAL AMERICAN OIL COMPANY OF TEXAS

By:   
R. J. Heard  
District Superintendent

RJH/fpc  
Encls.

1941-1942

1. The Commission has received a letter from the Secretary of the Department of the Interior, dated January 1, 1942, regarding the proposed conversion of the land owned by the Department of the Interior, to the use of the Department of the Army.

2. The Commission has also received a letter from the Secretary of the Department of the Interior, dated January 1, 1942, regarding the proposed conversion of the land owned by the Department of the Interior, to the use of the Department of the Army.

3. The Commission has also received a letter from the Secretary of the Department of the Interior, dated January 1, 1942, regarding the proposed conversion of the land owned by the Department of the Interior, to the use of the Department of the Army. The letter states that the Department of the Interior has received a letter from the Secretary of the Department of the Army, dated January 1, 1942, regarding the proposed conversion of the land owned by the Department of the Interior, to the use of the Department of the Army.

4. The Commission has also received a letter from the Secretary of the Department of the Interior, dated January 1, 1942, regarding the proposed conversion of the land owned by the Department of the Interior, to the use of the Department of the Army. The letter states that the Department of the Interior has received a letter from the Secretary of the Department of the Army, dated January 1, 1942, regarding the proposed conversion of the land owned by the Department of the Interior, to the use of the Department of the Army.

Very truly yours,

WILLIAM H. HARRIS, Chairman

  
WILLIAM H. HARRIS, Chairman

1941-1942

April 21, 1966

Mr. Frank Irby  
Office of State Engineer  
Santa Fe, New Mexico

Dear Sir:

Attached is a copy of the application which General American Oil Company of Texas has filed with the New Mexico Oil Conservation Commission requesting administrative approval for the conversion of three wells to water injection in its East High Lonesome Penrose Sand Unit Waterflood.

We have also enclosed copies of all exhibits furnished the Commission in support of our request and hope this data will be sufficient for your purpose.

If your office has no objection to these additional conversions, please so notify the Commission.

Very truly yours,

GENERAL AMERICAN OIL COMPANY OF TEXAS

By:   
R. J. Heard  
District Superintendent

RJH/fpc  
Encls.

April 21, 1966

Mr. Frank Lloyd  
Director, Federal Bureau of Investigation  
Washington, D. C.

Dear Mr. Director:

It is noted that a copy of the application which General Alexander III  
submitted to the FBI on March 17, 1966, was forwarded to the  
Department of Defense and the Department of State for their  
consideration. The application was received by the Department of  
Defense on March 21, 1966, and by the Department of State on  
March 22, 1966.

The application was also forwarded to the Department of Justice  
for its consideration. The Department of Justice has advised  
that it is in the process of reviewing the application and will  
report its findings to the Department of Defense and the  
Department of State.

It is noted that the application was also forwarded to the  
Department of the Army for its consideration. The Department of  
the Army has advised that it is in the process of reviewing the  
application and will report its findings to the Department of  
Defense and the Department of State.

Very truly yours,

WILLIAM J. PATTERSON, JR., Director

  
WILLIAM J. PATTERSON, JR., Director

cc: Mr. Tolson  
Mr. DeLoach

C-116  
Revised 1-1-65

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

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

**Report casing pressure in lieu of tubing pressure for any well producing through casing.**

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

*R. J. Heard*  
(Signature)  
District Superintendent  
(Title)  
April 21, 1966  
(Date)

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

C-116  
Revised 1-1-65

| Operator                              |          | Pool                                  |    | County                             |              | Eddy                                                                            |             |                  |                      |                                      |              |           |                             |            |
|---------------------------------------|----------|---------------------------------------|----|------------------------------------|--------------|---------------------------------------------------------------------------------|-------------|------------------|----------------------|--------------------------------------|--------------|-----------|-----------------------------|------------|
| General American Oil Company of Texas |          | High Lonesome                         |    | TYPE OF TEST - (X)                 |              | Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/> |             |                  |                      |                                      |              |           |                             |            |
| Address                               |          | P. O. Box 416, Loco Hills, New Mexico |    | SCHEDULED <input type="checkbox"/> |              |                                                                                 |             |                  |                      |                                      |              |           |                             |            |
| LEASE NAME                            | WELL NO. | LOCATION                              |    |                                    | DATE OF TEST | CHOKE SIZE                                                                      | TBG. PRESS. | DAILY ALLOW-ABLE | LENGTH OF TEST HOURS | PROD. DURING TEST                    |              |           | GAS - OIL RATIO CU.FT./BBL. |            |
|                                       |          | U                                     | S  | T                                  |              |                                                                                 |             |                  |                      | R                                    | WATER BBL.S. | GRAV. OIL |                             | OIL BBL.S. |
| Brewer                                | 18       | K                                     | 14 | 16                                 | 29           | 10-25-63                                                                        |             |                  |                      | 24                                   | 0.0          |           | 7.0                         |            |
|                                       |          |                                       |    |                                    |              | 11-30                                                                           |             |                  |                      | "                                    | 0.0          |           | 7.0                         |            |
|                                       |          |                                       |    |                                    |              | 1-25-64                                                                         |             |                  |                      | "                                    | 27.0         |           | 67.0                        |            |
|                                       |          |                                       |    |                                    |              | 1-30                                                                            |             |                  |                      | "                                    | 102.0        |           | 330.0                       |            |
|                                       |          |                                       |    |                                    |              | 2-27                                                                            |             |                  |                      | "                                    | 124.0        |           | 46.0                        |            |
|                                       |          |                                       |    |                                    |              | 3-2                                                                             |             |                  |                      | "                                    | 135.0        |           | 21.0                        |            |
|                                       |          |                                       |    |                                    |              | 3-7                                                                             |             |                  |                      | "                                    | 92.0         |           | 10.0                        |            |
|                                       |          |                                       |    |                                    |              | 3-12                                                                            |             |                  |                      | "                                    | 53.0         |           | 16.0                        |            |
|                                       |          |                                       |    |                                    |              | 3-20                                                                            |             |                  |                      | "                                    | 38.0         |           | 12.0                        |            |
|                                       |          |                                       |    |                                    |              | 4-17                                                                            |             |                  |                      | "                                    | 59.0         |           | 7.0                         |            |
|                                       |          |                                       |    |                                    |              | 5-2                                                                             |             |                  |                      | "                                    | 38.0         |           | 3.0                         |            |
|                                       |          |                                       |    |                                    |              | 5-7                                                                             |             |                  |                      | "                                    | 81.0         |           | 2.0                         |            |
|                                       |          |                                       |    |                                    |              | 6-22                                                                            |             |                  |                      | "                                    | 126.0        |           | 5.0                         |            |
|                                       |          |                                       |    |                                    |              | 7-10                                                                            |             |                  |                      | "                                    | 123.0        |           | 5.0                         |            |
| 7-18                                  |          |                                       |    | "                                  | 75.0         |                                                                                 | 5.0         |                  |                      |                                      |              |           |                             |            |
| 8-13                                  |          |                                       |    | "                                  | 143.0        |                                                                                 | 3.0         |                  |                      |                                      |              |           |                             |            |
| 8-19                                  |          |                                       |    | "                                  | 100.0        |                                                                                 | 5.0         |                  |                      |                                      |              |           |                             |            |
|                                       |          |                                       |    |                                    |              |                                                                                 |             |                  |                      | Started flowing periodically 10-1-65 |              |           |                             |            |

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

*R. J. Heard*  
(Signature) R. J. Heard

District Superintendent

(Title)

April 21, 1966

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION  
GAS-OIL RATIO TESTS

C-116  
Revised 1-1-65

| Operator<br><b>General American Oil Company of Texas</b> |          | Pool<br><b>High Lonesome</b> |    | County<br><b>Eddy</b>                                                                                              |              |            |             |                  |                      |                   |             |           |                             |           |
|----------------------------------------------------------|----------|------------------------------|----|--------------------------------------------------------------------------------------------------------------------|--------------|------------|-------------|------------------|----------------------|-------------------|-------------|-----------|-----------------------------|-----------|
| Address<br><b>P. O. Box 416, Loco Hills, New Mexico</b>  |          | TYPE OF TEST - (X)           |    | Completion <input type="checkbox"/> Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/> |              |            |             |                  |                      |                   |             |           |                             |           |
| LEASE NAME                                               | WELL NO. | LOCATION                     |    |                                                                                                                    | DATE OF TEST | CHOKE SIZE | TBG. PRESS. | DAILY ALLOW-ABLE | LENGTH OF TEST HOURS | PROD. DURING TEST |             |           | GAS - OIL RATIO CU.FT./BBL. |           |
|                                                          |          | U                            | S  | T                                                                                                                  |              |            |             |                  |                      | R                 | WATER BBLs. | GRAV. OIL |                             | OIL BBLs. |
| Bosworth                                                 | 1        | I                            | 14 | 16                                                                                                                 | 29           | 10-25-63   |             |                  |                      | 24                | 0.0         |           | 4.9                         |           |
|                                                          |          |                              |    |                                                                                                                    |              | 5-1-64     |             |                  |                      | "                 | 0.0         |           | 5.0                         |           |
|                                                          |          |                              |    |                                                                                                                    |              | 7-1        |             |                  |                      | "                 | 1.0         |           | 6.0                         |           |
|                                                          |          |                              |    |                                                                                                                    |              | 9-20       |             |                  |                      | "                 | 4.0         |           | 7.5                         |           |
|                                                          |          |                              |    |                                                                                                                    |              | 9-25       |             |                  |                      | "                 | 1.0         |           | 17.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 10-9       |             |                  |                      | "                 | 2.0         |           | 19.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 10-15      |             |                  |                      | "                 | 4.0         |           | 26.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 10-21      |             |                  |                      | "                 | 4.0         |           | 35.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 10-30      |             |                  |                      | "                 | 2.0         |           | 46.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 11-5       |             |                  |                      | "                 | 2.0         |           | 42.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 12-9       |             |                  |                      | "                 | 0.0         |           | 40.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 1-20-65    |             |                  |                      | "                 | 23.0        |           | 11.0                        |           |
|                                                          |          |                              |    |                                                                                                                    |              | 2-4        |             |                  |                      | "                 | 31.0        |           | 8.0                         |           |
|                                                          |          |                              |    |                                                                                                                    |              | 3-29       |             |                  |                      | "                 | 33.0        |           | 1.0                         |           |
|                                                          |          |                              |    |                                                                                                                    |              | 4-17       |             |                  |                      | "                 | 33.0        |           | 3.0                         |           |
| 5-13                                                     |          |                              |    | "                                                                                                                  | 37.0         |            | 2.0         |                  |                      |                   |             |           |                             |           |
| 6-25                                                     |          |                              |    | "                                                                                                                  | 55.0         |            | 2.0         |                  |                      |                   |             |           |                             |           |
| 7-30                                                     |          |                              |    | "                                                                                                                  | 71.0         |            | 2.0         |                  |                      |                   |             |           |                             |           |
| 8-28                                                     |          |                              |    | "                                                                                                                  | 60.0         |            | 2.0         |                  |                      |                   |             |           |                             |           |
| Started flowing periodically 10-1-65                     |          |                              |    |                                                                                                                    |              |            |             |                  |                      |                   |             |           |                             |           |

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

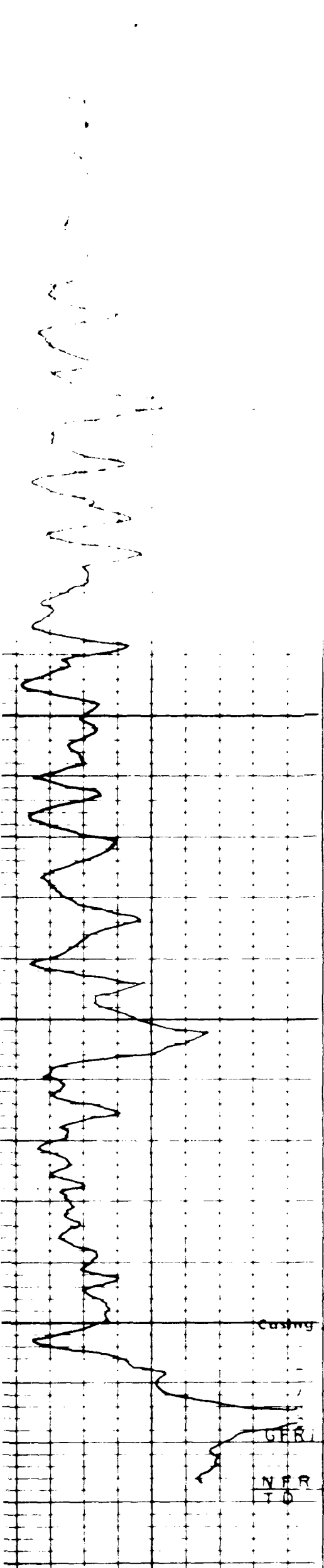
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

*R. J. Heard*  
(Signature)  
**R. J. Heard**  
(Title)

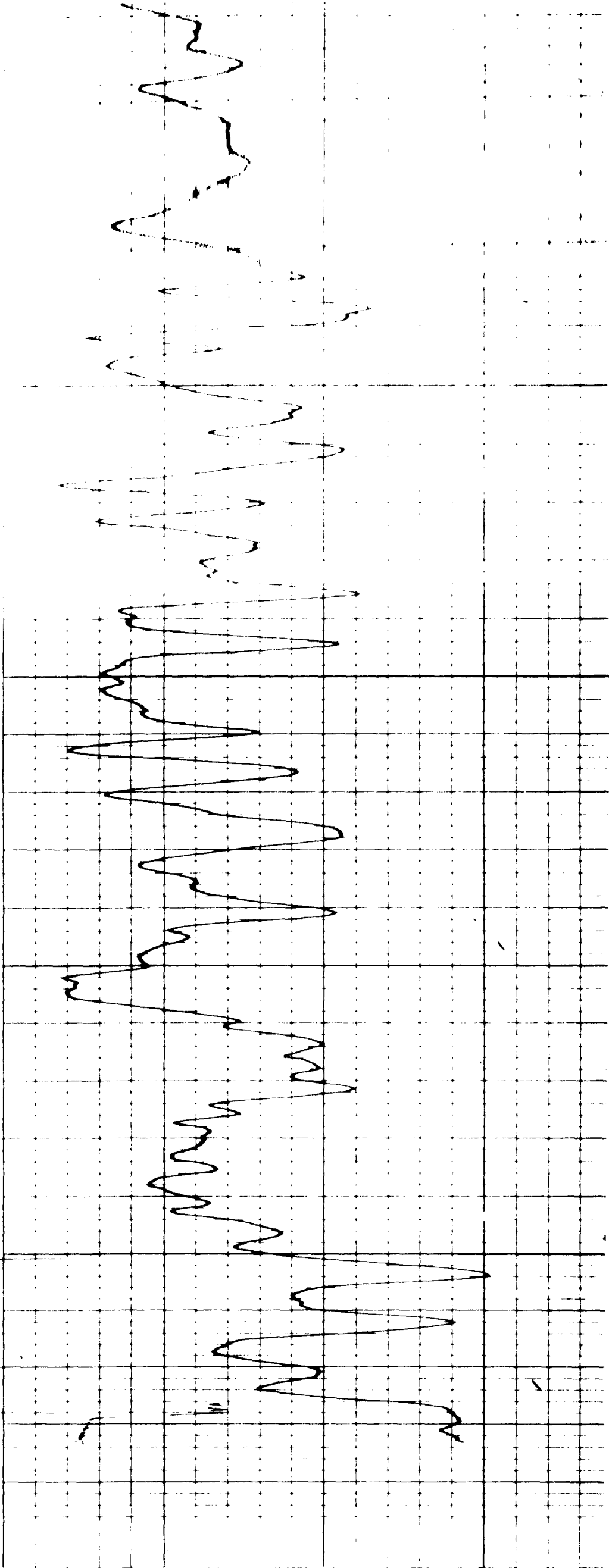
**District Superintendent**

**April 21, 1966**

(Date)



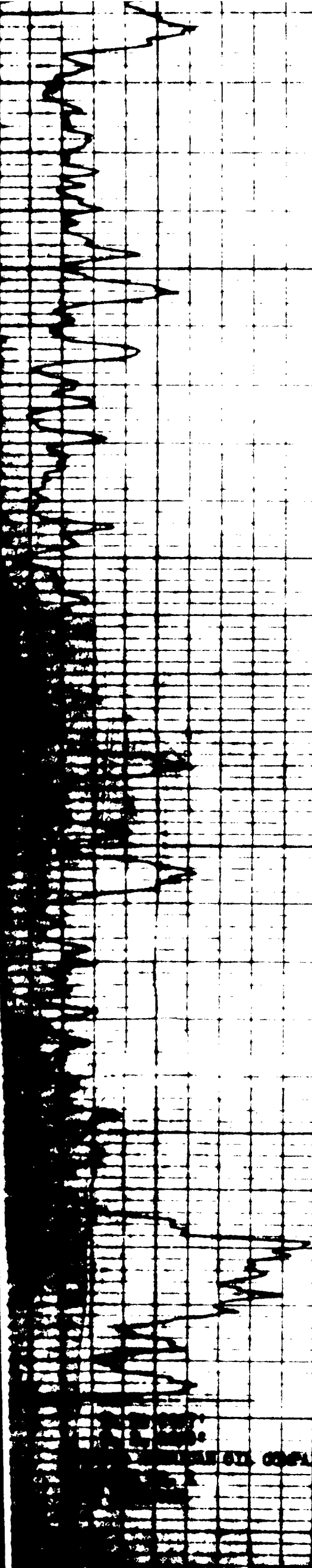
2000



2070  
2078  
2079

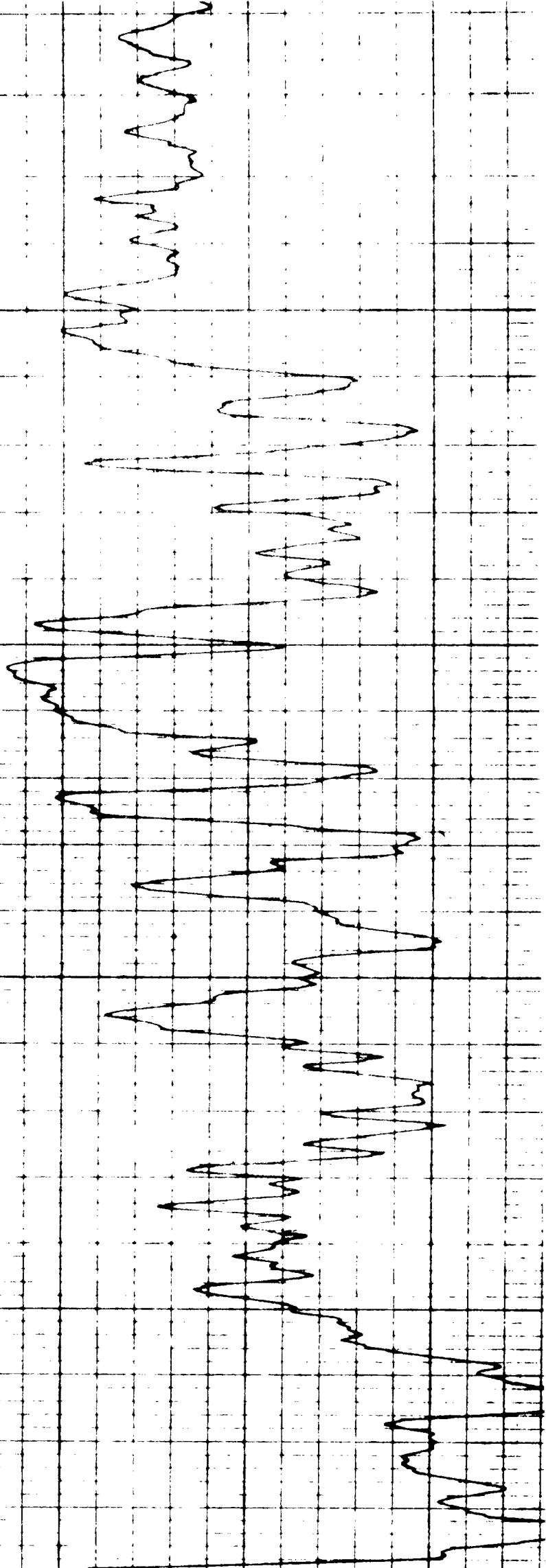
ILLEGIBLE





1900

2000



FLUID LEVEL

R. H. 2077  
T. D. 2078

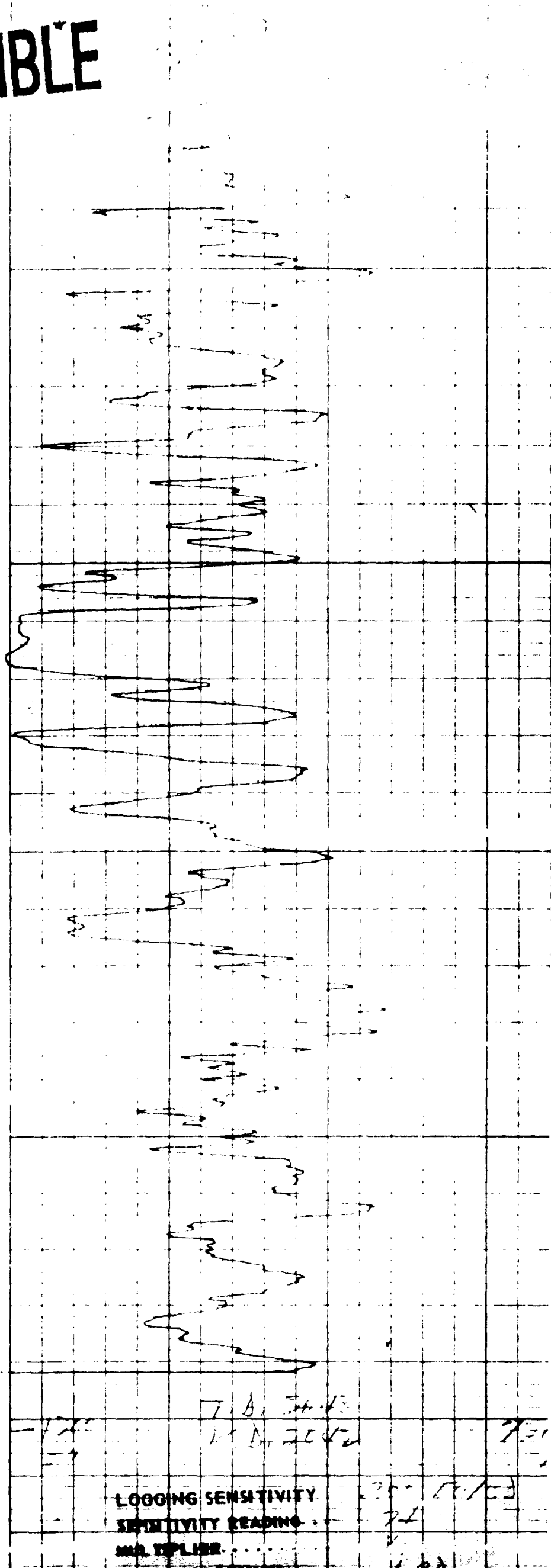
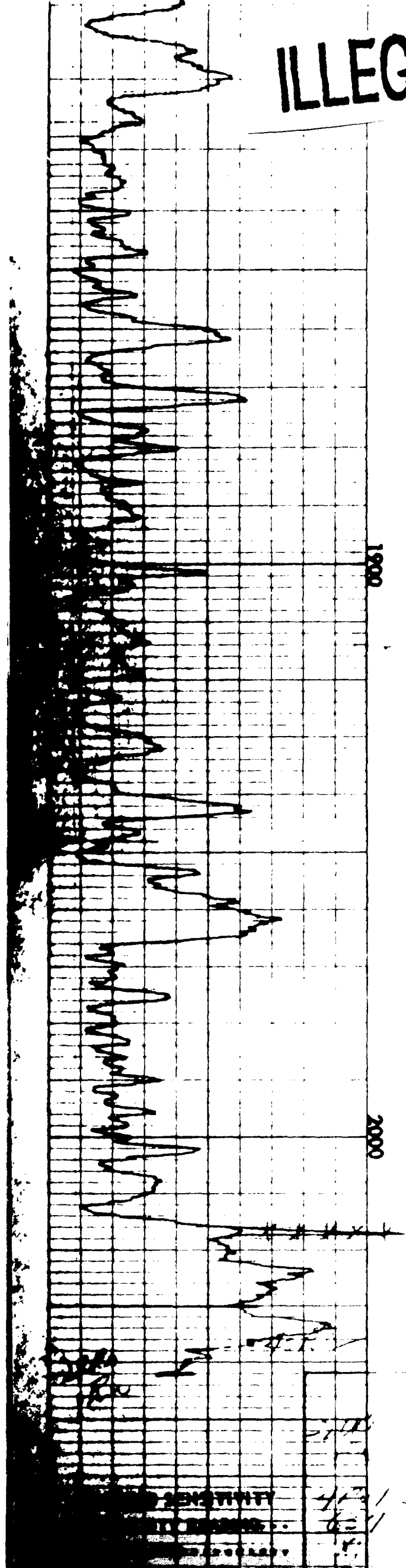
AMERICAN OIL COMPANY OF TEXAS

ILLEGIBLE

MAILED 10 1961

APR 10 1961

ILLEGIBLE



|                     |    |
|---------------------|----|
| LOGGING SENSITIVITY | 25 |
| SENSITIVITY READING | 25 |
| MULTIPLIER          | 1  |
| ZERO SUPPRESSION    | 0  |

1950-1951

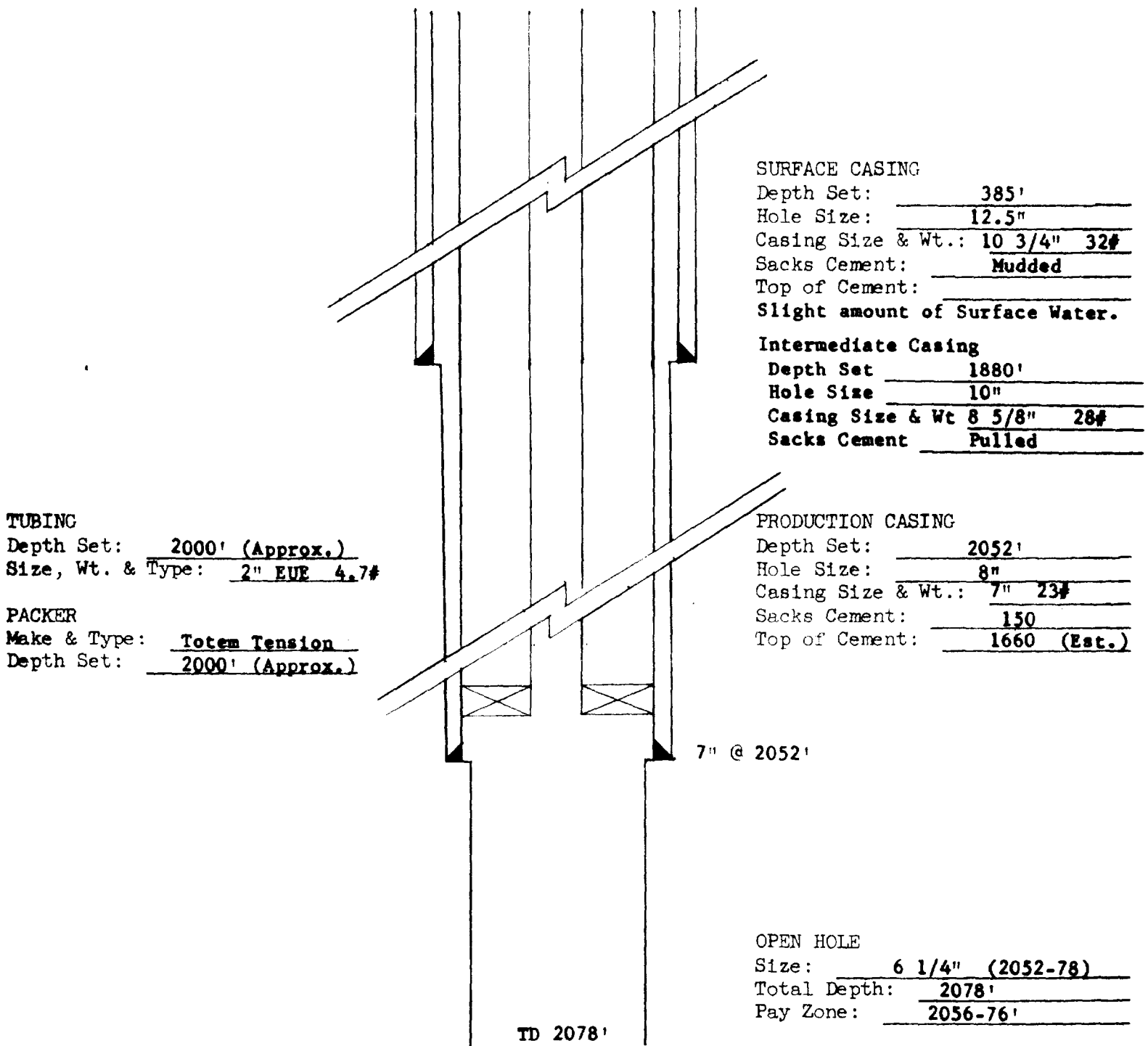
1952-1953

GENERAL AMERICAN OIL COMPANY OF TEXAS  
SCHEMATIC DIAGRAM OF  
PROPOSED INJECTION WELL

MAIN OFFICE O.C.C.

'66 May 17 AM 8 10

Lease and Well No.: Brewer #5  
Location: 1980 feet from North line and  
1980 feet from East line of  
Section 14 TWP 16-S RGE 29-E  
N.M.P.M. Eddy County, New Mexico



CEMENT CALCULATIONS:

10" hole to 1880'  
8" hole (1880'-2052') = 172'  
172' of 8" hole with 7" casing fill up equals = 12.22 lin ft/cu ft. 172' ÷ 12.22 = 14.1  
sacks @ 100% fill up @ 50% fill up equals 28.2 sacks. The remaining 122 sacks will fill  
up 438' of space between 7" casing and 10" hole @ 100% fill up @ 50% fill up equals 219'.  
219' + 172' = 391' of fill up @ 50% efficiency 2052 - 391' = 1661' calculates top of  
cement.

GENERAL AMERICAN OIL COMPANY OF TEXAS  
SCHEMATIC DIAGRAM OF  
PROPOSED INJECTION WELL

Lease and Well No.: Brewer #18  
Location: 1980 feet from South line and  
1980 feet from West line of  
Section 14 TWP 16-S RGE 29-E  
N.M.P.M. Eddy County, New Mexico

TUBING  
Depth Set: 1975' (Approx)  
Size, Wt. & Type: 2" EUE 4.7#  
  
PACKER  
Make & Type: Totem Tension  
Depth Set: 1975' (Approx.)

SURFACE CASING  
Depth Set: 374'  
Hole Size: 12.5"  
Casing Size & Wt.: 10 3/4" 32#  
Sacks Cement: Mudded  
Top of Cement: \_\_\_\_\_  
Slight amount of Surface Water.

INTERMEDIATE CASING:  
Depth Set 1798'  
Hole Size 10"  
Casing Size & Wt 7" 23#  
Sacks of Cement Pulled

PRODUCTION CASING  
Depth Set: 2019'  
Hole Size: 6 1/4"  
Casing Size & Wt.: 5 1/2" 14#  
Sacks Cement: 150  
Top of Cement: 1600 (Est)

OPEN HOLE  
Size: 5" (2019-47)  
Total Depth: 2047'  
Pay Zone: 2022-47'

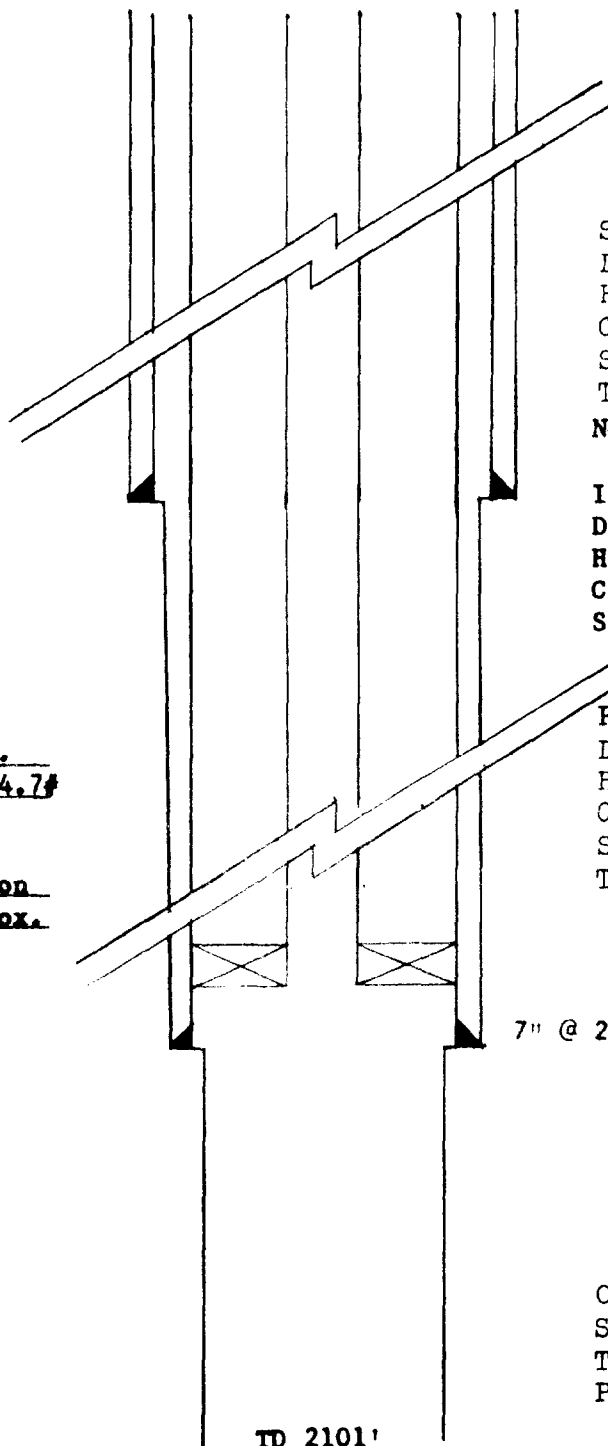
TD 2047'

CEMENT CALCULATIONS:

10" hole to 1840'  
6 1/4" hole (1798-2019) = 221'  
221' of 6 1/4" hole with 5 1/2" casing fill up equals 20.8 lin ft/cu ft.  $221' \div 20.8 =$   
10.6 sacks @ 100% fill up @ 50% fill up equals 21.2 sacks. The Remaining 129 sacks will  
fill up 339' of space between 5 1/2" casing and 10" hole @ 100% fill up @ 50% fill up  
equals 170'.  $221 + 170' = 391'$  of fill up @ 50% efficiency.  $2019 - 391' = 1628'$  calculated  
top of cement. We rounded to 1600' for est. top of cement.

GENERAL AMERICAN OIL COMPANY OF TEXAS  
SCHEMATIC DIAGRAM OF  
PROPOSED INJECTION WELL

Lease and Well No.: Bosworth #1  
Location: 1980 feet from South line and  
660 feet from East line of  
Section 14 TWP 16-S RGE 29-E  
N.M.P.M. Eddy County, New Mexico



**SURFACE CASING**

Depth Set: 390'  
Hole Size: 12.5  
Casing Size & Wt.: 10 3/4" 32#  
Sacks Cement: Mudded  
Top of Cement: \_\_\_\_\_  
**No Surface Water**

**INTERMEDIATE CASING**

Depth Set 1913'  
Hole Size 10"  
Casing Size & Wt. 8 5/8" 28#  
Sacks of Cement Pulled

**PRODUCTION CASING**

Depth Set: 2067'  
Hole Size: 8"  
Casing Size & Wt.: 7" 24#  
Sacks Cement: 150  
Top of Cement: 1650' Est.

**TUBING**

Depth Set: 2015' Approx.  
Size, Wt. & Type: 2" EUE 4.7#

**PACKER**

Make & Type: Toten Tension  
Depth Set: 2015' Approx.

**OPEN HOLE**

Size: 6 1/2" (2067-2101)  
Total Depth: 2101'  
Pay Zone: 2068-95

**CEMENT CALCULATIONS:**

10" hole to 1913'

8" hole 1913-2067' = 154'

154' of 8" hole with 7" pipe fill up equals 12.22 lin ft/ cu ft.  $154 \div 12.22 = 12.6$  sacks @ 100% fill up 50% fill up = 25.2 sacks. Remaining 125 sacks of cement will fill up 450' of space between 7" casing and 10" hole @ 100% - 50% = 225'  $225' + 154 = 379$  fill up @ 50% efficiency.  $2067 - 379 = 1688'$  calculated top of cement. Since these are approximate figures we rounded off to 1650'.

# INTERNATIONAL OIL & GAS CORPORATION

P.O. BOX 427 • ARTESIA, NEW MEXICO 88210 • TELEPHONE 746-2725

MAIN OFFICE 000000

'66 APR 26 AM 8 09

April 25, 1966

Mr. A. L. Porter  
Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico

Re: General American Oil Company  
of Texas, East High Lonesome  
Penrose Sand Flood Unit

Dear Sir:

International Oil & Gas Corporation has no objections to the New Mexico Oil Conservation Commission granting administrative approval to General American Oil Company of Texas to convert its Bosworth No. 1 and Brewer No. 5 and No. 18 wells to water injection.

Very truly yours,

INTERNATIONAL OIL & GAS CORPORATION

  
R. J. Davenport  
Production Manager

RJD:cw

cc: General American Oil Company of Texas  
P.O. Box 416  
Loco Hills, New Mexico  
Attn: Mr. R. J. Heard

GOVERNOR  
JACK M. CAMPBELL  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission



LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

P. O. DRAWER DD  
ARTESIA

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

April 28, 1966

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

Attention: Jim Kapteina

Re: WFX

Dear Jim:

Referring to General American Oil Company of Texas' application dated 4-21-66 to expand their East High Lonesome Waterflood, I can see no objection to the application.

Very truly yours,

OIL CONSERVATION COMMISSION

R. L. Stamets  
Geologist

RLS/bh

MAIN OFFICE

66 MAY 13 PM 1 16

May 12, 1966

General American Oil Company of Texas  
Box 416  
Loco Hills, New Mexico

Attn. Mr. R. J. Heard, District Supt.

Gentlemen:

I have reviewed your application to the Oil Conservation Commission which seeks to convert its Bosworth #1 and Brewer #5 and #18 wells to water injection in your East High Lonesome Penrose Sand Flood Unit. In studying the diagrammatic sketches of the 3 wells, I find it quite difficult to believe that 7" casing has been run in an 8" hole and that 5½" casing has been run in a 6½" hole. The sacks of cement shown on these diagrams and the top of the cement indicated are even more difficult to believe. It appears that an error may have been inadvertently made in preparing these diagrammatic sketches. I would appreciate it if you can help me on this problem. I would also appreciate knowing the completion date of these wells and a statement as to whether inhibited fluid will be placed in the annulus between the tubing and casing in each well.

FEI/ma  
cc-Mr. A. L. Porter, Jr.

Yours truly,

S. E. Reynolds  
State Engineer

By:

Frank E. Irby  
Chief  
Water Rights Div.

May 12, 1966

State of Texas Oil Company of Texas

Houston, Texas

Dear Sirs:

Enclosed

I have reviewed your application to the Oil Conservation Commission for a permit to convert the Bowershop #1 and Bowershop #2 and the wells to water injection in your East High Limestone. In studying the diagrammatic sketches of the wells, I find it quite difficult to believe that casing has been run in an 8" hole and that 24" casing has been run in a 10" hole. The nature of cement shown on these diagrams is of the type which is even more difficult to believe. It appears that an error has been inadvertently made in preparing these diagrammatic sketches. I would appreciate it if you can help me on this problem. I would also appreciate knowing the completion date of these wells and a statement as to whether inhibited fluid will be placed in the annulus between the tubing and casing in each well.

Yours truly,

E. J. Pennington  
State Engineer

By: Frank E. Eddy  
Chief  
Water Rights Div.

W. J. Pennington  
State Engineer

MAIN OFFICE 000

66 MAY 17 AM 8 10

May 16, 1966

Mr. Frank Irby  
Office of State Engineer  
Santa Fe, New Mexico

Dear Sir:

In your letter of May 12, 1966 you had several questions about the casing and cementing of the three wells General American requested for injection service. We hope the following information will satisfy your needs on our Bosworth #1, Brewer #5 and #18.

A common casing program for some 200 cable tool wells drilled on General American's New Mexico properties has been to run 10 3/4" surface casing, 8 5/8" intermediate casing and 7" production string. The 8 5/8" would be drilled out with an 8" bit and 7" would be run in an 8" hole. If 5 1/2" production casing was desired the intermediate casing would be 7" and drilled out with a 6 1/4" bit and run 5 1/2" casing.

Attached are diagrammatic sketches of the three wells showing the cement calculations and also showing the intermediate casing which was pulled. This larger hole is what makes the cement calculations look wrong and we are sorry this information was omitted from the original diagrams.

The completion dates of these wells are as follows: Bosworth #1 5-31-59, Brewer #5 2-13-59 and Brewer #18 9-1-59.

The fluid placed in the annulus will be either treated water or oil.

We hope this information will suffice for your needs.

Very truly yours,

GENERAL AMERICAN OIL COMPANY OF TEXAS

  
R. J. Heard

District Superintendent

RJH/rle  
Encs.

cc: Mr. A. L. Porter, Jr.  
File (2)

Page 10 of 10

Very truly yours,  
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