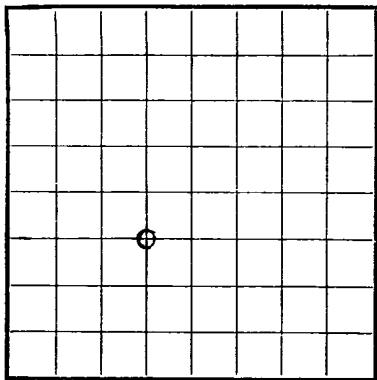




LOCATE WELL CORRECTLY

U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **04712**

LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **John H. Trigg** Address **P. O. Box 5629 Roswell, New Mexico**Lessor or Tract **Federal "E"** Field **Square Lake** State **New Mexico**Well No. **1-31** Sec. **31** T. **16S** R. **30E** Meridian **N.M.P.M.** County **Eddy**Location **1980** ft. **N.** of **S** Line and **1980** ft. **E.** of **W** Line of **Section 31** Elevation **3706**  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date **October 15, 1958**Title **Geologist**

The summary on this page is for the condition of the well at above date.

Commenced drilling **September 10**, 19**58** Finished drilling **October 13**, 19**58**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2740** to **2745** No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from **2022** to **2050** No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe               | Cut and pulled from | Perforated |     | Purpose |
|-------------|-----------------|------------------|------|--------|----------------------------|---------------------|------------|-----|---------|
|             |                 |                  |      |        |                            |                     | From—      | To— |         |
| 10 3/4"     | 32              |                  | J-55 | 606'   | Texas Pattern              |                     |            |     |         |
| 8 5/8"      | 24              |                  | J-55 | 2067'  | Texas Pattern - all pulled |                     |            |     |         |
| 5 1/2"      | 14              |                  | J-55 | 2728'  | Float                      |                     |            |     |         |
|             |                 |                  |      |        |                            |                     |            |     |         |
|             |                 |                  |      |        |                            |                     |            |     |         |
|             |                 |                  |      |        |                            |                     |            |     |         |
|             |                 |                  |      |        |                            |                     |            |     |         |
|             |                 |                  |      |        |                            |                     |            |     |         |
|             |                 |                  |      |        |                            |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10 3/4"     | 612       | 75                     | Pump        |             |                    |
| 8 5/8"      | 2069      | Mudded                 | Pump        | heavy       | 25 ex gel          |
| 5 1/2"      | 2730      | 100                    | Pump        |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from **0** feet to **2757** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**October 23**, 19**58**Put to producing **October 20**, 19**58**The production for the first 24 hours was **46** barrels of fluid of which **100** % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

**O. E. Wood**, Driller**R. H. Plummer**, Driller**A. F. Pruet**, Driller

\_\_\_\_\_, Driller

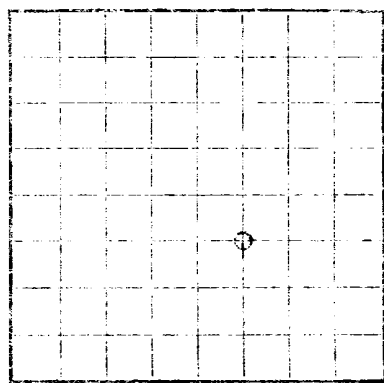
## FORMATION RECORD

| FROM—               | TO—  | TOTAL FEET  | FORMATION                             |
|---------------------|------|-------------|---------------------------------------|
| 0                   | 320  | 320         | Red Beds                              |
| 320                 | 325  | 5           | Lime                                  |
| 325                 | 550  | 225         | Anhydrite with shale breaks           |
| 550                 | 985  | 435         | Salt                                  |
| 985                 | 1170 | 185         | Anhydrite with salt & shale breaks    |
| 1170                | 1225 | 55          | Red sand & shale: salt & anhydrite    |
| 1225                | 2015 | 790         | Anhydrite, shale, lime & salt breaks  |
|                     |      |             | S. S. Gas 1302 V. Sl. Sho oil 1500-07 |
|                     |      |             | sl. sho wtr. 1507-20                  |
|                     |      |             | S.L.M. 1987-1989                      |
| 2015                | 2050 | 35          | Water Sand H.F.W.                     |
| 2050                | 2290 | 240         | Anhydrite with sand & lime breaks     |
| 2290                | 2325 | 35          | Red Sand                              |
| 2325                | 2425 | 100         | Anhydrite and sand                    |
| 2425                | 2455 | 30          | Lime                                  |
| 2455                | 2488 | 33          | Sand and anhydrite                    |
| 2488                | 2735 | 247         | Lime with several sand breaks         |
| 2735                | 2755 | 20          | Sand - show oil                       |
| 2755                | 2757 | 2           | Lime                                  |
|                     |      |             | 2757' T. D.                           |
| Sample Top Summary: |      |             |                                       |
| Top Salt            | 545  | Queen P     | 2022                                  |
| Base Salt-driller   | 985  | Grayburg    | 2425                                  |
| Yates               | 1170 | San Andres? | 2757?                                 |

[OVER]

16-43094-4

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Date October 15, 1958  
 Signed John H. Ting  
 Title Geologist  
 The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.  
 Location 1980 ft. N. of 2 1980 ft. E. of N. Line of Section 31  
 Well No. 1-31 Sec. 31 T. 16S R. 30E Meridian N.M.P.M. County Edgar  
 Lessor or Trust Federal "FM" Field Square Lake State New Mexico  
 Company John H. Ting Address P. O. Box 5629 Roswell, New Mexico

October 12, 1978

Commenced drilling September 10 1958 Finished drilling October 13 1958

ON OR CAS BANDS OF ZONES

Quinn et al.

| No.    | From | To | Amount |
|--------|------|----|--------|
| No. 1  | from | to | 2745   |
| No. 2  | from | to | 2745   |
| No. 3  | from | to | 2745   |
| No. 4  | from | to | 2745   |
| No. 5  | from | to | 2745   |
| No. 6  | from | to | 2745   |
| No. 7  | from | to | 2745   |
| No. 8  | from | to | 2745   |
| No. 9  | from | to | 2745   |
| No. 10 | from | to | 2745   |
| No. 11 | from | to | 2745   |
| No. 12 | from | to | 2745   |
| No. 13 | from | to | 2745   |
| No. 14 | from | to | 2745   |
| No. 15 | from | to | 2745   |
| No. 16 | from | to | 2745   |
| No. 17 | from | to | 2745   |
| No. 18 | from | to | 2745   |
| No. 19 | from | to | 2745   |
| No. 20 | from | to | 2745   |
| No. 21 | from | to | 2745   |
| No. 22 | from | to | 2745   |
| No. 23 | from | to | 2745   |
| No. 24 | from | to | 2745   |
| No. 25 | from | to | 2745   |
| No. 26 | from | to | 2745   |
| No. 27 | from | to | 2745   |
| No. 28 | from | to | 2745   |
| No. 29 | from | to | 2745   |
| No. 30 | from | to | 2745   |
| No. 31 | from | to | 2745   |
| No. 32 | from | to | 2745   |
| No. 33 | from | to | 2745   |
| No. 34 | from | to | 2745   |
| No. 35 | from | to | 2745   |
| No. 36 | from | to | 2745   |
| No. 37 | from | to | 2745   |
| No. 38 | from | to | 2745   |
| No. 39 | from | to | 2745   |
| No. 40 | from | to | 2745   |
| No. 41 | from | to | 2745   |
| No. 42 | from | to | 2745   |
| No. 43 | from | to | 2745   |
| No. 44 | from | to | 2745   |
| No. 45 | from | to | 2745   |
| No. 46 | from | to | 2745   |
| No. 47 | from | to | 2745   |
| No. 48 | from | to | 2745   |
| No. 49 | from | to | 2745   |
| No. 50 | from | to | 2745   |
| No. 51 | from | to | 2745   |
| No. 52 | from | to | 2745   |
| No. 53 | from | to | 2745   |
| No. 54 | from | to | 2745   |
| No. 55 | from | to | 2745   |
| No. 56 | from | to | 2745   |
| No. 57 | from | to | 2745   |
| No. 58 | from | to | 2745   |
| No. 59 | from | to | 2745   |
| No. 60 | from | to | 2745   |
| No. 61 | from | to | 2745   |
| No. 62 | from | to | 2745   |
| No. 63 | from | to | 2745   |
| No. 64 | from | to | 2745   |
| No. 65 | from | to | 2745   |
| No. 66 | from | to | 2745   |
| No. 67 | from | to | 2745   |
| No. 68 | from | to | 2745   |
| No. 69 | from | to | 2745   |
| No. 70 | from | to | 2745   |
| No. 71 | from | to | 2745   |
| No. 72 | from | to | 2745   |
| No. 73 | from | to | 2745   |
| No. 74 | from | to | 2745   |
| No. 75 | from | to | 2745   |
| No. 76 | from | to | 2745   |
| No. 77 | from | to | 2745   |
| No. 78 | from | to | 2745   |
| No. 79 | from | to | 2745   |
| No. 80 | from | to | 2745   |
| No. 81 | from | to | 2745   |
| No. 82 | from | to | 2745   |
| No. 83 | from | to | 2745   |
| No. 84 | from | to | 2745   |
| No. 85 | from | to | 2745   |
| No. 86 | from | to | 2745   |
| No. 87 | from | to | 2745   |
| No. 88 | from | to | 2745   |
| No. 89 | from | to | 2745   |
| No. 90 | from | to | 2745   |
| No. 91 | from | to | 2745   |
| No. 92 | from | to | 2745   |
| No. 93 | from | to | 2745   |
| No. 94 | from | to | 2745   |
| No. 95 | from | to | 2745   |
| No. 96 | from | to | 2745   |
| No. 97 | from | to | 2745   |
| No. 98 | from | to | 2745   |
| No. 99 | from | to | 2745   |

IMPORTANT WATER SANDS

[illegible]

CRIMINAL RECORD

| Amount | Kind of gift | Use or disposition    | Estimated value | Source   |
|--------|--------------|-----------------------|-----------------|----------|
| 100.00 | Gift of cash | Used for general fund | 100.00          | Subpoena |

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "mashed," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If any of the above mentioned items are not used, please so state. Texas Pattern.

## HISTORY OF OIL OR GAS WELL

| Station | Where set | Number bags of cement | Method used | Mud gravity | Amount of mud used |
|---------|-----------|-----------------------|-------------|-------------|--------------------|
| 3/16"   | 0.5       | 75                    | Pump        |             |                    |
| 3/8"    | 200       | Mudded                | Pump        | heavy       | 25 ex gal          |
| 1/2"    | 250       | 100                   | Pump        |             |                    |

## STYLING AND ADAPTATION

|                       |        |           |
|-----------------------|--------|-----------|
| Heaving plug—Material | Length | Depth set |
| Adapters—Material     | Size   |           |

SHOOTING RECORD

[illegible]

TOOLS USED

|                             |         |                |         |
|-----------------------------|---------|----------------|---------|
| Rotary tools were used from | feet to | feet, and from | feet to |
| Cable tools were used from  | feet to | feet, and from | feet to |

24 TAG

| October 23                                                                                                                                                                          | October 20                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Rock pressure, lbs. per sq. in. 100</p> <p>Gas well on the per 24 hours 100</p> <p>Emulsion; 10% water; and 10% sediment</p> <p>The production for the last 24 hours was 100</p> | <p>But to production 100</p> <p>Gas well on the per 24 hours 100</p> <p>Emulsion; 10% water; and 10% sediment</p> <p>The production for the last 24 hours was 100</p> |

## EMPLOYEE

|         |             |         |               |
|---------|-------------|---------|---------------|
| Driller | A. E. Frost | Driller | R. H. Plummer |
| Driller | O. E. Wood  | Driller |               |

FORMATION RECORD

| FROM -               | TO - | TOTAL FEET  | FORMATION                             |
|----------------------|------|-------------|---------------------------------------|
| 0                    | 350  | 350         | Red beds                              |
| 350                  | 355  | 5           | Lime                                  |
| 355                  | 525  | 170         | Anhydrite with shale breaks           |
| 525                  | 585  | 60          | Salt                                  |
| 585                  | 1170 | 585         | Anhydrite with salt & shale breaks    |
| 1170                 | 1225 | 55          | Red sand & shale: salt & anhydrite    |
| 1225                 | 2015 | 790         | Anhydrite, shale, lime & salt breaks  |
|                      |      |             | S. S. Gas 1302 V. Sl. Sho oil 1500-07 |
|                      |      |             | Sl. sho wt. 1907-20                   |
|                      |      |             | S.L.M. 1987-1989                      |
|                      | 2020 | 35          | Water sand H.F.W.                     |
|                      | 2290 | 270         | Anhydrite with sand & lime breaks     |
| 2290                 | 2325 | 35          | Red sand                              |
| 2325                 | 2425 | 100         | Anhydrite and sand                    |
| 2425                 | 2455 | 30          | Lime                                  |
| 2455                 | 2485 | 30          | Sand and anhydrite                    |
| 2485                 | 2735 | 250         | Lime with several sand breaks         |
| 2735                 | 2755 | 20          | Sand - show oil                       |
| 2755                 | 2757 | 2           | Lime                                  |
| 2757, T. D.          |      |             |                                       |
| Summary: Top of Salt | 275  | Queen P     | 2025                                  |
| Base Salt-diller     | 985  | Grayburg    | 2425                                  |
| Notes                | 1170 | San Andres? | 2757                                  |

# REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well  
Recompletion

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Roswell, New Mexico

October 24, 1958

(Place)

(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

John H. Trigg Company

Federal "E"

Well No. 1-31

in NE

1/4

SE

SW 1/4

(Company or Operator)

(Lease)

K

Unit Letter

Sec. 31

T. 16S

R. 30E

NMPM.

Undesignated

Pool

Eddy

County. Date Spudded 9-10-58

Date Drilling Completed 10-13-58

Please indicate location:

Elevation 3706

Total Depth 2757

PBTD

Top Oil/Gas Pay 2740

Name of Prod. Form. Grayburg Sandstone

PRODUCING INTERVAL -

Perforations

Open Hole

Depth

Casing Shoe 2735

Depth

Tubing 2690

OIL WELL TEST -

Natural Prod. Test: \_\_\_\_\_ bbls. oil, \_\_\_\_\_ bbls water in \_\_\_\_\_ hrs, \_\_\_\_\_ min. Choke Size \_\_\_\_\_

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 46 bbls. oil, No bbls water in 24 hrs, \_\_\_\_\_ min. Choke Size 1/4"

GAS WELL TEST -

Natural Prod. Test: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_ Choke Size \_\_\_\_\_

Method of Testing (pitot, back pressure, etc.): \_\_\_\_\_

Test After Acid or Fracture Treatment: \_\_\_\_\_ MCF/Day; Hours flowed \_\_\_\_\_

Choke Size \_\_\_\_\_ Method of Testing: \_\_\_\_\_

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 35,000 gallons 70,000# sand

Casing Press. 330# Tubing Press. 450# Date first new oil run to tanks 10-20-58

Oil Transporter Texas - New Mexico Pipeline Company

Gas Transporter

Remarks:

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

Approved \_\_\_\_\_, 19 \_\_\_\_\_

John H. Trigg Company

(Company or Operator)

By: \_\_\_\_\_

(Signature)

Title: \_\_\_\_\_

Owner

Send Communications regarding well to:

Name: John H. Trigg Company

Address: P. O. Box 5629, Roswell, New Mexico

OIL CONSERVATION COMMISSION

By: \_\_\_\_\_

Title: \_\_\_\_\_

NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Form C-110  
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION  
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator John H. Trigg Lease Federal "K"  
Well No. 1-31 Unit Letter K S 31 T 16S R 30E Pool Undesignated  
County Eddy Kind of Lease (State, Fed. or Patented) Federal  
If well produces oil or condensate, give location of tanks: Unit K S 31 T 16S R 30E  
Authorized Transporter of Oil or Condensate Texas-New Mexico Pipeline Company  
Address P. O. Box 1510 Midland, Texas  
(Give address to which approved copy of this form is to be sent)  
Authorized Transporter of Gas \_\_\_\_\_  
Address \_\_\_\_\_  
(Give address to which approved copy of this form is to be sent)  
If Gas is not being sold, give reasons and also explain its present disposition:

Insufficient to market

Reasons for Filing: (Please check proper box) New Well \_\_\_\_\_ (X)  
Change in Transporter of (Check One): Oil ( ) Dry Gas ( ) C'head ( ) Condensate ( )  
Change in Ownership \_\_\_\_\_ ( ) Other \_\_\_\_\_ ( )  
Remarks: \_\_\_\_\_ (Give explanation below)

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 24th day of October 1958

Approved \_\_\_\_\_ 19\_\_\_\_

By John H. Trigg  
Title Owner

OIL CONSERVATION COMMISSION

By M. L. Armstrong  
Title \_\_\_\_\_

Company John H. Trigg  
Address P. O. Box 5629  
Roswell, New Mexico