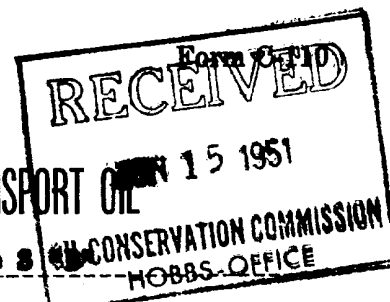


DUPLICATE

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO



**CERTIFICATE of COMPLIANCE and AUTHORIZATION to TRANSPORT OIL**

Company or Operator Amerada Petroleum Corporation Lease State 8  
Address Drawer D, Monument, New Mexico P. O. Box 2040, Tulsa 2, Oklahoma  
(Local or Field Office) (Principal Place of Business)  
Unit 4 Wells No. 3 Sec. 3 T 15-S R 33E Field Scamlers County Lea  
Kind of Lease State Location of Tanks On Lease  
Transporter Service Pipe Line Company Address of Transporter P.O. Box 337, Midland, Texas  
(Local or Field Office)  
P.O. Box 1979, Tulsa, Oklahoma Percent of oil to be transported 100 Other transporters author-  
(Principal Place of Business) ized to transport oil from this unit are None %  
REMARKS: New Well - Completed June 7, 1951.

The undersigned certifies that the rules and regulations of the Oil Conservation Commission have been complied with except as noted above and that gathering agent is authorized to transport the percentages of oil produced from the above described property and that this authorization will be valid until further notice to the transporter named herein or until cancelled by the Oil Conservation Commission of New Mexico.

Executed this the 13th day of June, 195 1

Amerada Petroleum Corporation

(Company or Operator)

By Don Tepper  
Title Assistant District Superintendent

State of New Mexico  
County of Lea } ss.

Before me, the undersigned authority, on this day personally appeared Don Tepper known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me, this the 13th day of June, 195 1

Notary Public in and for Lea County, New Mexico - My Commission Expires 10-11-54.

Approved: June - 15 1951

OIL CONSERVATION COMMISSION

By Ray E. Yarbrough

Oil & Gas Inspector

(See Instructions on Reverse Side)

## INSTRUCTIONS

This form shall be executed and filed in quadruplicate with the Oil Conservation Commission at Santa Fe, New Mexico, covering each unit from which oil is produced. A separate certificate shall be filed for each transporter authorized to transport oil from a unit. After said certificate has been approved by the Oil Conservation Commission, one copy shall be forwarded to the transporter, one copy returned to the producer, and two copies retained by the Oil Conservation Commission.

A new certificate shall be filed to cover each change in operating ownership and each change in the transporter, except that in the case of a temporary change in the transporter involving less than the allowable production for one month the operator shall in lieu of filing a new certificate, notify the Oil Conservation Commission at Santa Fe, New Mexico, and the transporter authorized by certificate on file with the Commission, by letter of the estimated amount of oil to be moved by the transporter temporarily moving oil from the unit and the name of such temporary transporter and a copy of such notice shall also be furnished such temporary transporter. Such temporary transporter shall not move any more oil than the estimated amount shown in said notice.

This certificate when properly executed and approved by the Oil Conservation Commission shall constitute a permit for pipe line connection and authorization to transport oil from the property named therein and shall remain in full force and effect until

- (a) Operating ownership changes
- (b) The transporter is changed or
- (c) The permit is cancelled by the Commission.

If any of the rules and regulations of the Oil Conservation Commission have not been complied with at the same time this report is filed, explain fully under the heading "REMARKS."

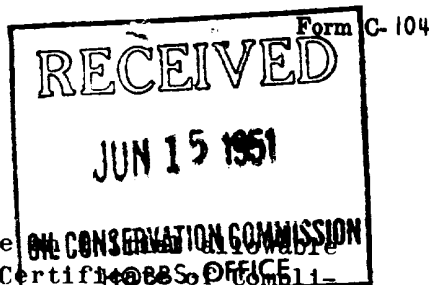
In all cases where this certificate is filed to cover a change in operating ownership or a change in the transporter designated to move oil, show under "REMARKS" the previous owner or operator and the transporter previously authorized to transport oil.

A separate report shall be filed to cover each producing unit as designated by the Oil Conservation Commission.

OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

DUPLICATE

REQUEST FOR (OIL)-(GAS) ALLOWABLE



It is necessary that this form be submitted by the operator before the allowable will be assigned to any completed oil or gas well. Form C-110 (Certificate of Allowance and Authorization to Transport Oil) will not be approved until Form C-104 is filed with the Commission. Form C-104 is to be submitted in triplicate to the office to which Form C-101 was sent. Two copies will be retained there and the other submitted to the Proration Office, Hobbs, New Mexico. The allowable will be assigned effective 7:00 a.m. on date of completion, provided completion report is filed during month of completion. The completion date shall be that date in the case of an oil well when oil is delivered into the stock tanks. Gas must be reported on 15.025 P.B. at 60° Fahrenheit.

Monument, New Mexico  
Place

June 13, 1951  
Date

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

Amorata Petroleum Corporation, State S "E" Well No. 3 in SW 1/4 NE 1/4  
Company or Operator Lease

section 3, T. 15-S R. 32-E, N.M.P.M. Saunders Pool Lea County

Please indicate location: Elevation 4202' D.F. Spudded 4-13-51 Completed 4-3-51

4-32-E

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Total Depth 9905' P.B. 9904'

Top Oil/Gas Pay 9770' Top Water Pay

Initial Production Test: Pump Flow 732.70 (BOPD OR CU. FT. GAS PER DAY)

Based on 366.35 Bbls. Oil in 12 Hrs. Mins.

Method of Test (Pitot, gauge, prover, meter run):

Size of choke in inches 20/64"

Tubing (Size) 2-3/8" O.D. NEE 4.74 @ 9901 Feet

Pressures: Tubing 10004 Casing 3004

Gas/Oil Ratio 1598 Gravity 41

Casing Perforations:

5-1/2" casing perforated from 9065' to 9095' W/4 Shots Per Foot

Unit letter: 0

Casing & Cementing Record

| Size    | Feet  | Sax  |
|---------|-------|------|
| 13-3/8" | 200'  | 225  |
| 8-5/8"  | 4209' | 1500 |
| 5-1/2"  | 9093' | 600  |

Acid Record:

500 Gals 9065' to 9095' S/ Oil

Gals to S/

Gals to S/

Shooting Record.

Qts to S/

Qts to S/

Qts to S/

Natural Production Test: Pumping Flowing

Test after acid or shot: Pumping 732.70 Flowing

Please indicate below Formation Tops (in conformance with geographical section of state):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy 1545'  
T. Salt 1645'  
B. Salt, Bagley 2575'  
T. Yates 2670'  
T. 7 Rivers  
T. Queen  
T. Grayburg  
T. San Andres 4194'  
T. Glorieta  
T. Drinkard  
T. Tubbs  
T. Abo 7768'  
T. Penn 9385'  
T. Miss

T. Devonian  
T. Silurian  
T. Montoya  
T. Simpson  
T. McKee  
T. Ellenburger  
T. Gr. Wash  
T. Granite  
T.  
T.  
T.  
T.  
T.

T. Ojo Alamo  
T. Kirtland-Fruitland  
T. Farmington  
T. Pictured Cliffs  
T. Cliff House  
T. Menefee  
T. Point Lookout  
T. Mancos  
T. Dakota  
T. Morrison  
T. Penn  
T.  
T.  
T.

Date first oil run to tanks or gas to pipe line: June 7, 1951

Pipe line taking oil or gas: Service Pipe Line Company

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Amerada Petroleum Corporation**  
Company or Operator

By: *Don Tyson*  
Signature

Position: Assistant District Superintendent

Send communications regarding well to:

Name: Amerada Petroleum Corporation

Address: Drawer D, Monument, New Mexico

APPROVED June - 15, 1951

OIL CONSERVATION COMMISSION

By: *Ray C. Garbaccio*

Title: Oil & Gas Inspector

DUPLICATE

RECEIVED

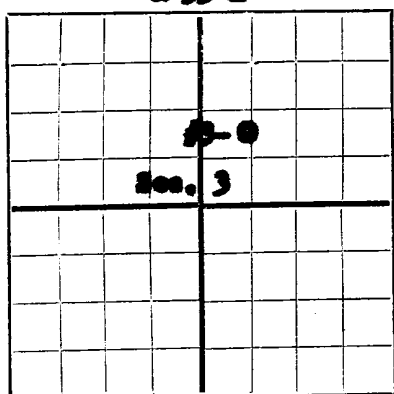
JUN 15 1951

FORM C-105

B-33-E

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION  
HOBBS-OFFICE



AREA 640 ACRES  
LOCATE WELL CORRECTLY

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Amerada Petroleum Corporation

Drawer B, Monument, New Mexico

State of N.M. Company or Operator Amerada Petroleum Corporation Address Drawer B, Monument, New Mexico  
Well No. 3 in SW/4 NE/4 of Sec. 3, T. 15-S

R. 33-E Lease Sounders Field, Los County.

Well is 1320 feet south of the North line and 1900 feet west of the East line of Section 3

If State land the oil and gas lease is No. B-2118 Assignment No. \_\_\_\_\_

If patented land the owner is \_\_\_\_\_ Address \_\_\_\_\_

If Government land the permittee is \_\_\_\_\_ Address \_\_\_\_\_

The Lessee is Amerada Petroleum Corporation Address P.O. Box 2040, Tulsa 2, Okla.

Drilling commenced April 13, 1951 19 51 Drilling was completed June 3, 1951 19 51

Name of drilling contractor Greensboro Drilling Company Address Tulsa, Oklahoma

Elevation above sea level at top of casing 4189 feet.

The information given is to be kept confidential until Not Confidential 19 51

## OIL SANDS OR ZONES

No. 1, from 9770' to 9905' No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

## CASING RECORD

| SIZE           | WEIGHT PER FOOT | THREADS PER INCH | MAKE        | AMOUNT       | KIND OF SHOE | CUT & FILLED FROM | PERFORATED   |              | PURPOSE           |
|----------------|-----------------|------------------|-------------|--------------|--------------|-------------------|--------------|--------------|-------------------|
|                |                 |                  |             |              |              |                   | FROM         | TO           |                   |
| <u>13-3/8"</u> | <u>36 #</u>     | <u>S.J.</u>      | <u>Weld</u> | <u>280'</u>  | <u>Guide</u> |                   |              |              |                   |
| <u>8-5/8"</u>  | <u>284-324</u>  | <u>6-24</u>      | <u>S.S.</u> | <u>4209'</u> | <u>Float</u> |                   |              |              |                   |
| <u>5-1/2"</u>  | <u>17 #</u>     | <u>6-24</u>      | <u>S.S.</u> | <u>9995'</u> | <u>Float</u> |                   | <u>9865'</u> | <u>9895'</u> | <u>Production</u> |
|                |                 |                  |             |              |              |                   |              |              |                   |
|                |                 |                  |             |              |              |                   |              |              |                   |
|                |                 |                  |             |              |              |                   |              |              |                   |
|                |                 |                  |             |              |              |                   |              |              |                   |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE   | SIZE OF CASING | WHERE SET    | NO. SACKS OF CEMENT | METHODS USED       | MUD GRAVITY | AMOUNT OF MUD USED |
|----------------|----------------|--------------|---------------------|--------------------|-------------|--------------------|
| <u>17-1/4"</u> | <u>13-3/8"</u> | <u>297'</u>  | <u>225</u>          | <u>Halliburton</u> |             |                    |
| <u>11"</u>     | <u>8-5/8"</u>  | <u>4225'</u> | <u>1500</u>         | <u>Halliburton</u> |             |                    |
| <u>7-7/8"</u>  | <u>5-1/2"</u>  | <u>9905'</u> | <u>600</u>          | <u>Halliburton</u> |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters — Material \_\_\_\_\_ Size \_\_\_\_\_

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY        | DATE          | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT   |
|------|------------|----------------------------|-----------------|---------------|-----------------------|---------------------|
|      |            | <u>Dowell 15% T. Acid</u>  | <u>500 Gal.</u> | <u>6-7-51</u> | <u>9865'-9895'</u>    | <u>Perforations</u> |
|      |            |                            |                 |               |                       |                     |
|      |            |                            |                 |               |                       |                     |

Results of shooting or chemical treatment Flowed 366.35 bbls. oil & .37 bbl. NS in 12 hrs., through a 20/64" choke, T.P. 1000%, G.P. 900%, Gas volume 1,170,984 cu ft per day, G.O.R. 1598.

## RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

## TOOLS USED

Rotary tools were used from 0' feet to 9905' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing June 7, 1951  
The production of the first 24 hours was 733.44 barrels of fluid of which 99.9 % was oil; .1 % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be 41  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

W. L. Fletcher Driller Gene Day Driller  
J. B. Kennedy Driller \_\_\_\_\_ Driller

## FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 13th Monument, New Mexico June 13, 1951  
day of June 19 51 Name [Signature] Date \_\_\_\_\_  
Position Assistant District Superintendent

## FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION                         |
|------|------|----------------------|-----------------------------------|
| 0    | 6    | 6                    | Cellar                            |
| 6    | 220  | 214                  | Sand & Caliche                    |
| 220  | 300  | 80                   | Red Bed, Sand & Shale             |
| 300  | 1610 | 1310                 | Sand & Shale                      |
| 1610 | 1690 | 80                   | Sand, Anhydrite & Shale           |
| 1690 | 2710 | 1020                 | Shale, Anhydrite & Salt           |
| 2710 | 3230 | 520                  | Shale, Anhydrite & Sand           |
| 3230 | 3580 | 270                  | Shale & Anhydrite                 |
| 3580 | 4020 | 520                  | Shale, Anhydrite, Sand & Salt     |
| 4020 | 4200 | 180                  | Shale, Anhydrite, Sand & Dolomite |
| 4200 | 5590 | 1390                 | Dolomite & Anhydrite              |
| 5590 | 5650 | 60                   | Limestone & Dolomite              |
| 5650 | 5740 | 90                   | Dolomite & Anhydrite              |
| 5740 | 6490 | 750                  | Dolomite, Sand & Anhydrite        |
| 6490 | 7770 | 1280                 | Dolomite & Anhydrite              |
| 7770 | 8280 | 510                  | Shale & Dolomite                  |
| 8280 | 9100 | 820                  | Dolomite                          |
| 9100 | 9150 | 50                   | Dolomite & Chert                  |
| 9150 | 9905 | 755                  | Limestone, Shale & Chert          |
|      | 9905 |                      | Total Depth                       |
|      | 9904 |                      | Plugged Back Depth                |

GEOLOGICAL DATA

|                      |       |
|----------------------|-------|
| Top Anhydrite        | 1615' |
| Top Salt             | 1645' |
| Top Yates            | 2670' |
| Base Yates           | 2817' |
| Top Artesia Red Sand | 3453' |
| Top San Andres       | 4194' |
| Base San Andres      | 5717' |
| Top Padlock          | 6018' |
| Top Clear Fork       | 6430' |
| Top Abo              | 7768' |
| Top Wolfcamp         | 9100' |
| Top Pennsylvanian    | 9385' |
| Elevation - D.P.     | 4282' |

SLOPE TESTS

|       |          |
|-------|----------|
| 100'  | 1/2 Deg. |
| 400'  | 1/4 "    |
| 900'  | 1/4 "    |
| 1400' | 1/4 "    |
| 2000' | 1/2 "    |
| 2830' | 3/4 "    |
| 3360' | 1- "     |
| 3800' | 3/4 "    |
| 4340' | 1/2 "    |
| 4810' | 3/4 "    |
| 5240' | 1/2 "    |
| 5755' | 3/4 "    |
| 6240' | 3/4 "    |
| 6620' | 1- "     |
| 7315' | 1- "     |
| 7810' | 1/2 "    |
| 8335' | Straight |
| 8625' | 3/4 Deg. |
| 8975' | 3/4 "    |
| 9275' | 1/2 "    |
| 9510' | 1/4 "    |
| 9700' | 1/4 "    |