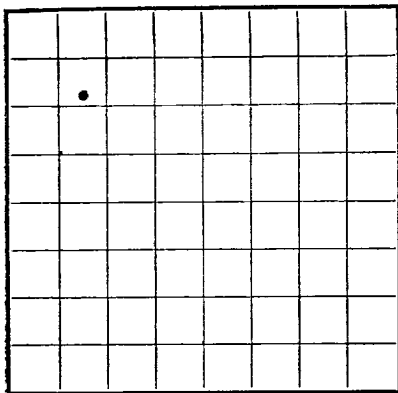
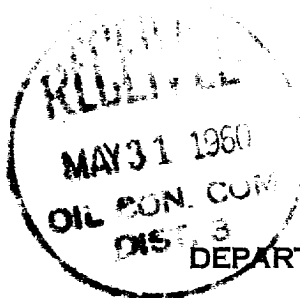




LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYIndial Agency - Dulce  
U. S. LAND OFFICE  
SERIAL NUMBER **Cont. #13 Tract #21**  
LEASE OR PERMIT TO PRODUCE  
Jicarilla Apache "C"  
**RECEIVED**  
MAY 31 1960  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

## LOG OF OIL OR GAS WELL

Company **Amerada Petroleum Corporation** Address **Box 1469, Durango, Colorado**  
Lessor or Tract **Federal Gov't. (Apache)** Field **Wildcat** State **New Mexico**  
Well No. **1** Sec. **26** T. **24N** R. **5W** Meridian **NMPM** County **Bio Arriba**  
Location **990'** ft. **S** of **N** Line and **990'** ft. **E** of **W** Line of **Sec-26, T24N, R5W** Elevation **6658'**  
(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 **R. A. Drake** **R. A. Drake**Date **May 27, 1960**Title **District Supt.**

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

Commenced drilling **4/1/60**, 19 **60** Finished drilling **4/24/60**, 19 **60**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **None encountered** to **Productive** No. 4, from **None** to **Productive**  
No. 2, from **None** to **Productive** No. 5, from **None** to **Productive**  
No. 3, from **None** to **Productive** No. 6, from **None** to **Productive**

## IMPORTANT WATER SANDS

No. 1, from **None encountered** to **Productive** No. 3, from **None** to **Productive**  
No. 2, from **None** to **Productive** No. 4, from **None** to **Productive**

## CASING RECORD

| Size casing                                                                                                                                        | Weight per foot | Threads per inch | Make        | Amount      | Kind of shoe  | Cut and pulled from   | Perforated |     | Purpose        |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-------------|-------------|---------------|-----------------------|------------|-----|----------------|
|                                                                                                                                                    |                 |                  |             |             |               |                       | From—      | To— |                |
| <b>10-3/4" 32-85</b>                                                                                                                               | <b>80</b>       | <b>8-11</b>      | <b>H-40</b> | <b>212'</b> | <b>Howar</b>  | <b>None</b>           |            |     |                |
| <b>* 6-5/8" 26</b>                                                                                                                                 | <b>26</b>       | <b>8-11</b>      | <b>J-55</b> | <b>468'</b> | <b>Larkin</b> | <b>1384' to 2000'</b> |            |     | <b>P&amp;A</b> |
| <b>* Above strings of casing originally set in this well in March and April 1955 and temporarily abandoned April 15, 1955 until April 1, 1960.</b> |                 |                  |             |             |               |                       |            |     |                |

## MUDDING AND CEMENTING RECORD

| Size casing         | Where set | Number sacks of cement  | Method used        | Mud gravity                 | Amount of mud used |
|---------------------|-----------|-------------------------|--------------------|-----------------------------|--------------------|
| <b>10-3/4" 212'</b> |           | <b>200 - March 1955</b> | <b>Halliburton</b> | <b>Cement circulated.</b>   |                    |
| <b>6-5/8" 468'</b>  |           | <b>300 - April 1955</b> | <b>Halliburton</b> | <b>Top of Cat. @ 2825'.</b> |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material **See Back P/Plug Record** Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

| Size | Shell used  | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|-------------|----------------|----------|------|------------|-------------------|
|      | <b>None</b> |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from **4620'** feet to **6925'** feet **P&A**  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

**None - See Back**, 19 \_\_\_\_\_ Put to producing \_\_\_\_\_, 19 \_\_\_\_\_  
The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% 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

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
**H. A. Frank** \_\_\_\_\_, Driller **C. A. McClain** \_\_\_\_\_, Driller  
**Frank Oliver** \_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—                                          | TO—   | TOTAL FEET | FORMATION                    |
|------------------------------------------------|-------|------------|------------------------------|
| <b>FORMATION RECORD - ORIGINAL</b>             |       |            |                              |
| <b>DRILLED MARCH &amp; APRIL 1955</b>          |       |            |                              |
| 0' to 6'                                       |       |            | <b>Cellar</b>                |
| 6'                                             | 400'  |            | <b>Shale</b>                 |
| 400'                                           | 2545' |            | <b>Sand and Shale</b>        |
| 2545'                                          | 3220' |            | <b>Shale</b>                 |
| 3220'                                          | 3385' |            | <b>Sand and Shale</b>        |
| 3385'                                          | 3530' |            | <b>Shale</b>                 |
| 3530'                                          | 3670' |            | <b>Sand</b>                  |
| 3670'                                          | 3810' |            | <b>Shale</b>                 |
| 3810'                                          | 3935' |            | <b>Sand</b>                  |
| 3935'                                          | 4045' |            | <b>Sand &amp; Shale</b>      |
| 4045'                                          | 4140' |            | <b>Shale</b>                 |
| 4140'                                          | 4470' |            | <b>Sand and Shale</b>        |
| 4470'                                          | 4500' |            | <b>Sand</b>                  |
| 4500'                                          | 4620' |            | <b>Sand &amp; Shale</b>      |
| <b>FORMATION RECORD - APRIL 1960</b>           |       |            |                              |
| <b>Re-Entry into old well and drill deeper</b> |       |            |                              |
| 4620' to 4690'                                 |       |            | <b>Shale</b>                 |
| 4690'                                          | 4782' |            | <b>Sand and Shale</b>        |
| 4782'                                          | 4952' |            | <b>Shale</b>                 |
| 4952'                                          | 5069' |            | <b>Sandy Shale</b>           |
| 5069'                                          | 5140' |            | <b>Shale</b>                 |
| 5140'                                          | 5253' |            | <b>Shale</b>                 |
| 5253'                                          | 5329' |            | <b>Shale</b>                 |
| 5329'                                          | 5392' |            | <b>Sand and Shale</b>        |
| 5392'                                          | 5735' |            | <b>Shale</b>                 |
| 5735'                                          | 6517' |            | <b>Sand and Shale</b>        |
| 6517'                                          | 6594' |            | <b>Shale</b>                 |
| 6594'                                          | 6735' |            | <b>Shale and Sand</b>        |
| 6735'                                          | 6842' |            | <b>Sand and Shale</b>        |
| 6842'                                          | 6876' |            | <b>Sand</b>                  |
| 6876'                                          | 6900' |            | <b>Sand and Shale</b>        |
| 6900'                                          | 6925' |            | <b>Shale and Sand</b>        |
|                                                | 6925' |            | <b>Total Depth - P&amp;A</b> |

