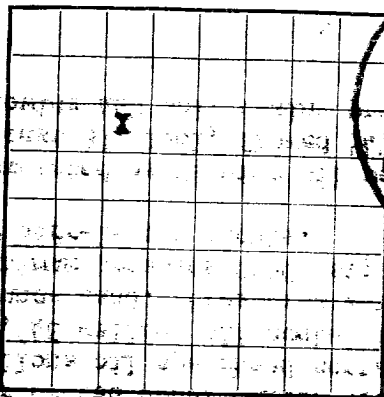
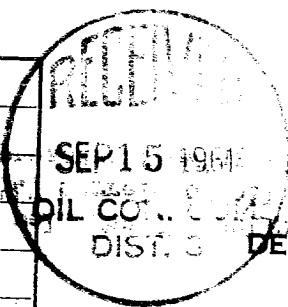




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER SF-077966  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_  
Gallegos Canyon Unit  
UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company Pan-American Petroleum Corporation Address Box 480, Farmington, New Mexico  
Lessor or Tract Gallegos Canyon Unit Field Cha Cha Gallup State New Mexico  
Well No. 103 Sec. 23 T. 26N R. 13W Meridian N.M.P.M. County San Juan  
Location 1850 ft. N of N Line and 1830 ft. E of W Line of Section 23 Elevation 6971 (RDB)

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 September 12, 1961

Title Senior Petroleum Engineer

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

Commenced drilling August 8, 19 61 Finished drilling August 31, 19 61

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5721 to 5728 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 5719 to 5794 No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ 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— |                   |
| <u>8-5/8"</u> | <u>22.7#</u>    | <u>SJ</u>        | <u>Linco</u> | <u>290'</u>  | <u>Guide</u> |                     |            |     | <u>Surface</u>    |
| <u>4-1/2"</u> | <u>9.5#</u>     | <u>SRT</u>       | <u>CFLY</u>  | <u>5891'</u> | <u>Guide</u> |                     |            |     | <u>Oil String</u> |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set    | Number sacks of cement | Method used        | Mud gravity   | Amount of mud used |
|---------------|--------------|------------------------|--------------------|---------------|--------------------|
| <u>8-5/8"</u> | <u>211'</u>  | <u>150</u>             | <u>Halliburton</u> | <u>1 plug</u> |                    |
| <u>4-1/2"</u> | <u>5878'</u> | <u>350</u>             | <u>Halliburton</u> | <u>2 plug</u> |                    |

## 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 0 feet to 5885 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Completed as flowing oil well August 31, 19 61 First new oil Put to producing August 30, 19 61

The production for the first 24 hours was 547 barrels of fluid of which 99.9% was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and .1 % sediment. Gravity, °Bé. 41.1° API

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

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

Sam Kinney

## EMPLOYEES

Jim Speaker

Earl Babcock

, Driller

Jim Babcock

, Driller

, Driller

, Driller

## FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET  | FORMATION                                  |
|-------------|-------------|-------------|--------------------------------------------|
| <u>0</u>    | <u>1720</u> | <u>1720</u> | <u>Undifferentiated sands and shales.</u>  |
| <u>1720</u> | <u>1910</u> | <u>190</u>  | <u>Pictured Cliffs sands.</u>              |
| <u>1910</u> | <u>2625</u> | <u>715</u>  | <u>Lewis shale.</u>                        |
| <u>2625</u> | <u>4500</u> | <u>1875</u> | <u>Mesaverde sands, shales, and coals.</u> |
| <u>4500</u> | <u>5365</u> | <u>865</u>  | <u>Mancos shale.</u>                       |
| <u>5365</u> | <u>5692</u> | <u>327</u>  | <u>Gallup sands and shales.</u>            |
| <u>5692</u> | <u>5885</u> | <u>193</u>  | <u>Gallup pay sands.</u>                   |

(Toos from "E" log)

