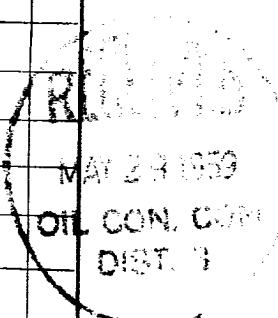


LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT  
14-20-603-734

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 520, Casper, Wyoming  
Lessor or Tract Tribal (Navajo) Field Marathon Gallup State New Mexico  
Well No. 58 Sec. 31 T. 31N R. 16W Meridian NMP County San Juan  
Location 1980 ft. N of N Line and 1980 ft. W of E Line of Sec. 31 Elevation 5467.431  
(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. P. Curry

Date 5-25-59 Title District Clerk

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

Commenced drilling 5-12-59, 19... Finished drilling 5-19-59, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1168 to 1198 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 \_\_\_\_\_ 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>29.77</u>    | <u>115</u>       | <u>115</u> | <u>115</u> | <u>plug</u>  |                     |            |     |         |
| <u>4 1/2</u> | <u>124.42</u>   | <u>140</u>       | <u>140</u> | <u>140</u> | <u>plug</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>29.77</u>  | <u>115</u>             | <u>plug</u> | <u>8.8</u>  |                    |
| <u>4 1/2</u> | <u>124.42</u> | <u>140</u>             | <u>plug</u> | <u>8.8</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 1322 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

Put to producing 5-22-59, 19...  
The production for the first 24 hours was 119.45 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment.  
Gravity, °Bé. 41.0  
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  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM-       | TO-         | TOTAL FEET | FORMATION          |
|-------------|-------------|------------|--------------------|
| <u>0</u>    | <u>1124</u> |            | <u>Mancos</u>      |
| <u>1124</u> | <u>1300</u> |            | <u>Gallup</u>      |
| <u>1300</u> |             |            | <u>Junco Lopez</u> |

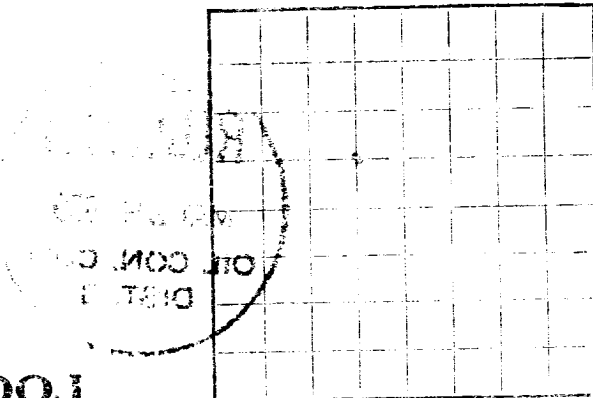
First Fracture Treatment

Treated perforations 1168-1198 with 60,000 10/20 sand in 18,96 gals lease crude. Average treating pressure 1500 at 33 S.M.

FOLD MARK

U. S. Land Office  
SERIAL NUMBER  
LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Name  
Lessor or Tract  
Well No.  
Location  
The information given beneath is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date  
The summary on this page is for the condition of the well at above date.  
Commenced drilling  
Finished drilling

OIL OR GAS SANDS OR ZONES

(Denote gas by G)  
No. 1 from  
No. 2 from  
No. 3 from

IMPORTANT WATER SANDS

No. 1 from  
No. 2 from  
No. 3 from

CASING RECORD

Table with columns: Casing size, Weight per foot, Threads per inch, Make, Amount, Kind of shoe, Cut and packed, Purpose.

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 casing for the well and its results. If there were any changes made in the casing, state why, and if any casing was sidetracked or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and character of shot. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or falling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

Main log table with columns: FROM, TO, TOTAL FEET, FORMATION. Includes sections for MUDS AND CEMENTING RECORD, PLUGS AND ADAPTERS, SHOOTING RECORD, TOOLS USED, DATES, EMPLOYEES, FORMATION RECORD.