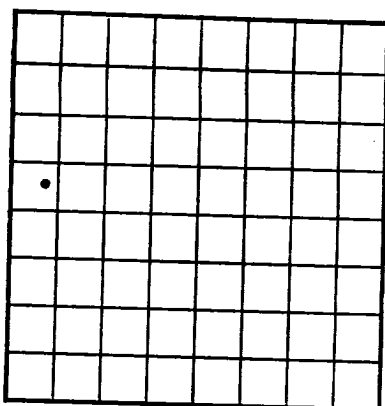




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 029548-A  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company American Republics Corpn. Address Box 547, Artesia, N. M.  
Lessor or Tract C. A. Russell Field Gray-Jackson State New Mexico  
Well No. 5 Sec. 18 T. 17 R. 31 Meridian N.M.P.M. County Eddy  
Location 440 ft. (N.) of S. Line and 440 ft. (E.) of W. Line of NW 1/4 Sec. 18 Elevation 3771  
(Derivat 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.

Date 5/21/51Signed W. E. Mosey  
Title District Superintendent

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

Commenced drilling 3-14-, 1930 Finished drilling 6-20, 1930

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1965 to 1970 No. 4, from 3111 to 3115  
No. 2, from 2080 to 2090 No. 5, from 3178 to \_\_\_\_\_  
No. 3, from 3090 to 3095 No. 6, from 3400 to 3444

## IMPORTANT WATER SANDS

No. 1, from 475 to 480 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— |         |
| 12 1/2      | 50              | 10               | 534  |        |              |                     |            |     |         |
| 10          | 40              | 8                | 1387 |        |              |                     |            |     |         |
| 6 5/8       | 24              | 8                | 3214 |        |              |                     |            |     |         |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 12 1/2      | 534       | 25 sacks               |             |             |                    |
| 10          | 1387      | 105                    |             |             |                    |
| 6 5/8       | 3214      | Landed                 |             |             |                    |

## 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 |
|-------|------------|----------------|----------|---------|------------|-------------------|
| 3 1/2 | Nitro      |                | 80       | 7/14/30 | 3430       | to 3485           |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to 3545 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing June 20, 1930  
The production for the first 24 hours was 50 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

\_\_\_\_\_, Driller J. Neely, Driller  
\_\_\_\_\_, Driller T. Miller, Driller

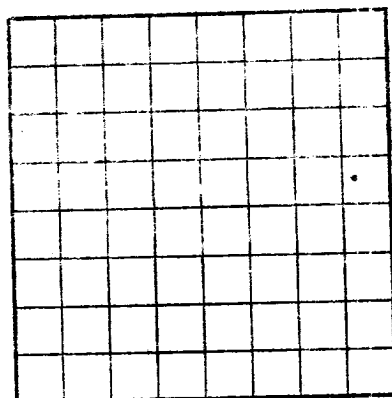
## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                  |
|-------|------|------------|----------------------------|
| 0     | 35   | 35         | Sand                       |
| 35    | 360  | 325        | Red rock                   |
| 360   | 400  | 40         | Gyp                        |
| 400   | 505  | 105        | Red beds (salt water @475) |
| 505   | 547  | 42         | Gyp & red beds             |
| 547   | 1377 | 830        | Salt & anhydrite           |
| 1377  | 1495 | 118        | Lime & anhydrite           |
| 1495  | 1515 | 20         | Red beds                   |
| 1515  | 2397 | 882        | Red beds & anhydrite       |
| 2397  | 2415 | 18         | Red sand                   |
| 2415  | 2465 | 50         | Lime & anhydrite           |
| 2465  | 2710 | 245        | Grey lime                  |
| 2710  | 2792 | 82         | Brown lime                 |
| 2792  | 3545 | 753        | Grey lime                  |

(OVER)

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
UNITED STATES



LOCATE WELL CORRECTLY

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 and direction of line and well of { N. of line and well of { E. of line and well of { W. of line and well of {

Well No. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Meridian \_\_\_\_\_

State \_\_\_\_\_

County \_\_\_\_\_

Address \_\_\_\_\_

Company \_\_\_\_\_

Date \_\_\_\_\_

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

Commenced drilling \_\_\_\_\_

Finished drilling \_\_\_\_\_

19\_\_\_\_

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

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

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

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

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

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

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

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

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

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

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

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

CASING RECORD

| Casing | Size, per foot | Weight, per foot | Threads per inch | Male | Amount | Kind of shoe | Cut and pulled from | Perforated | Purpose |
|--------|----------------|------------------|------------------|------|--------|--------------|---------------------|------------|---------|
|        |                |                  |                  |      |        |              |                     | To—        |         |

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 added, or left in the well, give the size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43064-1

MUDDING AND CEMENTING RECORD

| Material used | Method used | Amount of mud used |
|---------------|-------------|--------------------|
|---------------|-------------|--------------------|

PLUGS AND ADAPTERS

| Plugs and adapters | Material | Size | Length | Depth set |
|--------------------|----------|------|--------|-----------|
|--------------------|----------|------|--------|-----------|

SHOOTING RECORD

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

TOOLS USED

| Tools used | Feet to | Feet and from | Feet to | Feet and from |
|------------|---------|---------------|---------|---------------|
|------------|---------|---------------|---------|---------------|

DATES

| Dates | Feet to | Feet and from | Feet to | Feet and from |
|-------|---------|---------------|---------|---------------|
|-------|---------|---------------|---------|---------------|

EMPLOYEES

| Employees | Driller | Driller |
|-----------|---------|---------|
|-----------|---------|---------|

FORMATION RECORD

| Formation | Total feet | To— | From— |
|-----------|------------|-----|-------|
|-----------|------------|-----|-------|

| FORMATION    | TOTAL FEET | TO—  | FROM— |
|--------------|------------|------|-------|
| Gravel       | 100        | 0    | 100   |
| Sand         | 200        | 100  | 300   |
| Clay         | 300        | 200  | 500   |
| Shale        | 400        | 300  | 700   |
| Limestone    | 500        | 400  | 900   |
| Gypsum       | 600        | 500  | 1100  |
| Coal         | 700        | 600  | 1300  |
| Iron ore     | 800        | 700  | 1500  |
| Copper       | 900        | 800  | 1700  |
| Gold         | 1000       | 900  | 1900  |
| Platinum     | 1100       | 1000 | 2100  |
| Palladium    | 1200       | 1100 | 2300  |
| Rhodium      | 1300       | 1200 | 2500  |
| Ruthenium    | 1400       | 1300 | 2700  |
| Rhenium      | 1500       | 1400 | 2900  |
| Vanadium     | 1600       | 1500 | 3100  |
| Niobium      | 1700       | 1600 | 3300  |
| Molybdenum   | 1800       | 1700 | 3500  |
| Technetium   | 1900       | 1800 | 3700  |
| Zirconium    | 2000       | 1900 | 3900  |
| Yttrium      | 2100       | 2000 | 4100  |
| Barium       | 2200       | 2100 | 4300  |
| Lanthanum    | 2300       | 2200 | 4500  |
| Cerium       | 2400       | 2300 | 4700  |
| Praseodymium | 2500       | 2400 | 4900  |
| Neodymium    | 2600       | 2500 | 5100  |
| Europium     | 2700       | 2600 | 5300  |
| Gadolinium   | 2800       | 2700 | 5500  |
| Terbium      | 2900       | 2800 | 5700  |
| Dysprosium   | 3000       | 2900 | 5900  |
| Ytterbium    | 3100       | 3000 | 6100  |
| Lutetium     | 3200       | 3100 | 6300  |
| Hafnium      | 3300       | 3200 | 6500  |
| Tantalum     | 3400       | 3300 | 6700  |
| Tungsten     | 3500       | 3400 | 6900  |
| Rhenium      | 3600       | 3500 | 7100  |
| Osmium       | 3700       | 3600 | 7300  |
| Iridium      | 3800       | 3700 | 7500  |
| Rhodium      | 3900       | 3800 | 7700  |
| Palladium    | 4000       | 3900 | 7900  |
| Silver       | 4100       | 4000 | 8100  |
| Copper       | 4200       | 4100 | 8300  |
| Nickel       | 4300       | 4200 | 8500  |
| Cobalt       | 4400       | 4300 | 8700  |
| Iron         | 4500       | 4400 | 8900  |
| Steel        | 4600       | 4500 | 9100  |
| Cast iron    | 4700       | 4600 | 9300  |
| Brass        | 4800       | 4700 | 9500  |
| Aluminum     | 4900       | 4800 | 9700  |
| Lead         | 5000       | 4900 | 9900  |
| Mercury      | 5100       | 5000 | 10100 |
| Gold         | 5200       | 5100 | 10300 |
| Silver       | 5300       | 5200 | 10500 |
| Copper       | 5400       | 5300 | 10700 |
| Nickel       | 5500       | 5400 | 10900 |
| Cobalt       | 5600       | 5500 | 11100 |
| Iron         | 5700       | 5600 | 11300 |
| Steel        | 5800       | 5700 | 11500 |
| Cast iron    | 5900       | 5800 | 11700 |
| Brass        | 6000       | 5900 | 11900 |
| Aluminum     | 6100       | 6000 | 12100 |
| Lead         | 6200       | 6100 | 12300 |
| Mercury      | 6300       | 6200 | 12500 |
| Gold         | 6400       | 6300 | 12700 |
| Silver       | 6500       | 6400 | 12900 |
| Copper       | 6600       | 6500 | 13100 |
| Nickel       | 6700       | 6600 | 13300 |
| Cobalt       | 6800       | 6700 | 13500 |
| Iron         | 6900       | 6800 | 13700 |
| Steel        | 7000       | 6900 | 13900 |
| Cast iron    | 7100       | 7000 | 14100 |
| Brass        | 7200       | 7100 | 14300 |
| Aluminum     | 7300       | 7200 | 14500 |
| Lead         | 7400       | 7300 | 14700 |
| Mercury      | 7500       | 7400 | 14900 |
| Gold         | 7600       | 7500 | 15100 |
| Silver       | 7700       | 7600 | 15300 |
| Copper       | 7800       | 7700 | 15500 |
| Nickel       | 7900       | 7800 | 15700 |
| Cobalt       | 8000       | 7900 | 15900 |
| Iron         | 8100       | 8000 | 16100 |
| Steel        | 8200       | 8100 | 16300 |
| Cast iron    | 8300       | 8200 | 16500 |
| Brass        | 8400       | 8300 | 16700 |
| Aluminum     | 8500       | 8400 | 16900 |
| Lead         | 8600       | 8500 | 17100 |
| Mercury      | 8700       | 8600 | 17300 |
| Gold         | 8800       | 8700 | 17500 |
| Silver       | 8900       | 8800 | 17700 |
| Copper       | 9000       | 8900 | 17900 |
| Nickel       | 9100       | 9000 | 18100 |
| Cobalt       | 9200       | 9100 | 18300 |
| Iron         | 9300       | 9200 | 18500 |
| Steel        | 9400       | 9300 | 18700 |
| Cast iron    | 9500       | 9400 | 18900 |
| Brass        | 9600       | 9500 | 19100 |
| Aluminum     | 9700       | 9600 | 19300 |
| Lead         | 9800       | 9700 | 19500 |
| Mercury      | 9900       | 9800 | 19700 |
| Gold         | 10000      | 9900 | 19900 |