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APR 30 1927  
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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 Q. SUBMIT IN TRIPLICATE

**DUPLICATE**

Repollo Oil Company

Hobbs, New Mexico.

J.R. Phillips "A" Company or Operator  
Lease **37E** Well No. **4** in **SW/4** of Sec. **31**, T. **19S**  
R. **37E** Monument Lea  
N. M. P. M., Field, **East** **East** County.  
Well is **350** feet south of the North line and **350** feet **SW/4** of the **East** line of  
If State land the oil and gas lease is No. Assignment No.  
If patented land the owner is **J.R. Phillips** Address **Big Spring, Texas**  
If Government land the permittee is Address  
The Lessee is Address  
Drilling commenced **March 11** 19 **37** Drilling was completed **April 21** 19 **37**  
Name of drilling contractor **M. J. Delaney Co.,** Address **Dallas, Texas**  
Elevation above sea level at top of casing **3591** feet.  
The information given is to be kept confidential until

No. 1, from 3872 to 3915 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

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. ....

| SIZE   | WEIGHT<br>PER FOOT | THREADS<br>PER INCH | MAKE | AMOUNT | KIND OF<br>SHOE | CUT & FILLED<br>FROM | PERFORATED |    | PURPOSE |
|--------|--------------------|---------------------|------|--------|-----------------|----------------------|------------|----|---------|
|        |                    |                     |      |        |                 |                      | FROM       | TO |         |
| 12 1/2 | 40                 | 8                   |      | 224    | none            |                      |            |    |         |
| 9 5/8" | 40                 | 8                   |      | 1092   | Float           |                      |            |    |         |
| 7" OD  | 24                 | 10                  |      | 3810   | Float           |                      |            |    |         |
|        |                    |                     |      |        |                 |                      |            |    |         |
|        |                    |                     |      |        |                 |                      |            |    |         |
|        |                    |                     |      |        |                 |                      |            |    |         |
| 2"     | 4.6                | SS                  |      | 3889   | Submerg         |                      |            |    |         |

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 15 1/2"      | 12 1/2"        | 244       | 300                 | Halliburton |             |                    |
| 11"          | 9 5/8          | 1111      | 500                 | Do          |             |                    |
| 8 5/8        | 7"             | 3824      | 300                 | Do          |             |                    |
|              |                |           |                     |             |             |                    |

Heaving plug—Material no Length \_\_\_\_\_ Depth Set WZ  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

| SIZE | SHELL USED | EXPLOSIVE OR<br>CHEMICAL USED | QUANTITY | DATE    | DEPTH SHOT<br>OR TREATED | DEPTH CLEANED OUT |
|------|------------|-------------------------------|----------|---------|--------------------------|-------------------|
|      |            | Dowell "XX" Acid              | 3000     | 4/20/37 | 3940-3910                |                   |
|      |            |                               |          |         |                          |                   |
|      |            |                               |          |         |                          |                   |

|                                           |                             |
|-------------------------------------------|-----------------------------|
| Results of shooting or chemical treatment | Flowed 228 Bbl. in 24 hours |
|-------------------------------------------|-----------------------------|

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

Rotary tools were used from 0 feet to 3915 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Put to producing..... April 21....., 19 37.

The production of the first 24 hours was 228 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, Be.....

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

Rock pressure. lbs. per sq. in.....

D. E. Spoons, Driller O. A. Bourg, Driller  
W. E. Smith, Driller

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 29  
day of April, 1937  
Patricia Mahoney  
Notary Public.  
My Commission expires 10-24-39

Hobbs, New Mexico April 29, 1937  
Place Date  
Name L. Lured  
Position Dist. Supt.  
Representing Repollo Oil Company  
Company or Operator  
Address Hobbs, N.M.

# FORMATION RECORD

FORM 100-1

| FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TO   | THICKNESS<br>IN FEET | FORMATION                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|--------------------------|
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 360  | 560                  | Caliche & Red Beds       |
| 560                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 962  | 402                  | Red rock & Gyp           |
| 962                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1050 | 88                   | Red Rock & Shells        |
| 1050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1155 | 105                  | Anhydrite                |
| 1155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1277 | 22                   | Salt                     |
| 1177                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1853 | 676                  | Anhydrite, Salt & Potash |
| 1853                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2034 | 181                  | Salt                     |
| 2034                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2287 | 253                  | Salt & Anhydrite         |
| 2287                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2332 | 45                   | Anhydrite                |
| 2332                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2366 | 34                   | Anhydrite & Gyp          |
| 2366                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2561 | 195                  | Anhydrite & Lime         |
| 2561                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2656 | 95                   | Lime & Gyp               |
| 2656                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2790 | 134                  | Lime                     |
| 2790                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2922 | 132                  | Gyp & Brown Lime         |
| 2922                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3915 | 993                  | Lime                     |
| <p>Well No. 1, 100 ft. deep, located on the North line and 100 ft. west of the East line of the 100 ft. square section. The well was drilled by the New Mexico Oil &amp; Gas Co. in 1912. The formation is composed of Caliche &amp; Red Beds, Red rock &amp; Gyp, Red Rock &amp; Shells, Anhydrite, Salt, Anhydrite, Salt &amp; Potash, Salt, Salt &amp; Anhydrite, Anhydrite, Anhydrite &amp; Gyp, Anhydrite &amp; Lime, Lime &amp; Gyp, Lime, Gyp &amp; Brown Lime, and Lime. The thickness of the formation is 3915 feet.</p> |      |                      |                          |
| <p>Oil Sands or Zones</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                                |      |                      |                          |
| <p>IMPORTANT WATER BANDS</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                             |      |                      |                          |
| <p>CASING RECORD</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                                     |      |                      |                          |
| <p>MUDLOGGING AND CEMENTING RECORD</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                   |      |                      |                          |
| <p>PLUS AND ADAPTERS</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                                 |      |                      |                          |
| <p>RECORD OF SHOOTING OR CHEMICAL TREATMENT</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                          |      |                      |                          |
| <p>RECORD OF DRILLING AND SPECIAL TESTS</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                              |      |                      |                          |
| <p>TOOLS USED</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                                        |      |                      |                          |
| <p>EMPLOYEES</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                                         |      |                      |                          |
| <p>FORMATION RECORD FOR OTHER WELLS</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p> <p>100 ft. from top of casing to 100 ft. from bottom of casing</p>                                                                                                                                                                                                                                                                                  |      |                      |                          |