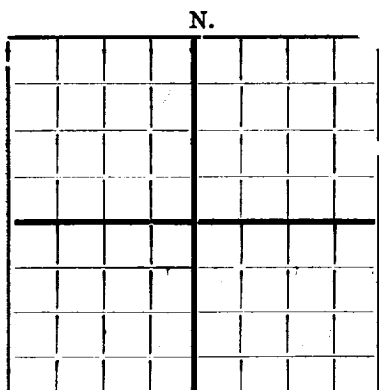


AREA 640 ACRES  
LOCATE WELL CORRECTLY

## DEPARTMENT OF THE STATE GEOLOGIST

NEW MEXICO SCHOOL OF MINES  
Socorro, New Mexico

## WELL RECORD

Mail to State Geologist, Socorro, New Mexico, not more than ten days  
after completion of well. Indicate questionable data by fol-  
lowing it with (?). Submit in duplicate.

Company Cranfill-Reynolds Address Box 2127, Dallas, Texas.  
Send correspondence to Do Address Do  
Zattu - Cushing Well No. 1 in NW 1/4 of Sec. 23, T. 24,  
R. 36, N. M. P. M., Jal Oil Field Lea County.  
If State land the oil and gas lease is No. \_\_\_\_\_ Assignment No. \_\_\_\_\_  
If patented land the owner is \_\_\_\_\_, Address \_\_\_\_\_  
The lessee is \_\_\_\_\_, Address \_\_\_\_\_  
If not state or patented land, give status \_\_\_\_\_  
Drilling commenced September 21 19 29 Drilling was completed November 24 19 29  
Name of drilling contractor Cranfill-Reynolds, Address \_\_\_\_\_  
Elevation above sea level at top of casing \_\_\_\_\_ feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19 \_\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ 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    | WEIGHT<br>PER FOOT | THREADS PER<br>INCH | MAKE | AMOUNT   | KIND OF<br>SHOE | CUT AND PULLED<br>FROM | PERFORATED |    | PURPOSE |
|---------|--------------------|---------------------|------|----------|-----------------|------------------------|------------|----|---------|
|         |                    |                     |      |          |                 |                        | FROM       | TO |         |
| 20"     |                    | 8                   | Std. | 192' 1"  |                 | 22' 9"                 |            |    |         |
| 15 1/2" |                    |                     |      | 610'     |                 | 610'                   |            |    |         |
| 13-3/8" |                    |                     |      | 747' 3"  |                 | 747' 3"                |            |    |         |
| 10"     |                    |                     |      | 1267'    |                 |                        |            |    |         |
| 8 1/4"  |                    |                     |      | 2824' 6" |                 |                        |            |    |         |
|         |                    |                     |      |          |                 |                        |            |    |         |
|         |                    |                     |      |          |                 |                        |            |    |         |
|         |                    |                     |      |          |                 |                        |            |    |         |
|         |                    |                     |      |          |                 |                        |            |    |         |

## MUDDING AND CEMENTING RECORD

| SIZE | WHERE SET | No. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|------|-----------|---------------------|--------------|-------------|--------------------|
|      |           |                     |              |             |                    |
|      |           |                     |              |             |                    |
|      |           |                     |              |             |                    |
|      |           |                     |              |             |                    |

## 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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from Spudder feet to All Way feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing \_\_\_\_\_, 19 \_\_\_\_\_  
The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % 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. \_\_\_\_\_

## EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD ON OTHER SIDE

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 16  
day of Dec, 1929  
John M. Payne  
Notary Public  
My commission expires May 31, 1931

Name J. H. Camplin  
Position accountant  
Representing Cranfill-Reynolds Co  
Company or Operator

## FORMATION RECORD

| From | to   | Thickness<br>in Feet | Formation                                                                 |
|------|------|----------------------|---------------------------------------------------------------------------|
| 0    | 40   | 40                   | Caliche                                                                   |
| 40   | 60   | 20                   | Sand                                                                      |
| 60   | 95   | 35                   | Quick Sand                                                                |
| 95   | 182  | 87                   | Sand Water 170' to 180'                                                   |
| 182  | 190  | 8                    | Shale                                                                     |
| 190  | 195  | 5                    | Gravel Set 192' 1" 20" @ 195'                                             |
| 195  | 205  | 10                   | Blue Shale                                                                |
| 205  | 215  | 10                   | Red Bed                                                                   |
| 215  | 250  | 35                   | Blue Shale                                                                |
| 250  | 260  | 10                   | Red Bed                                                                   |
| 260  | 270  | 10                   | Lime                                                                      |
| 270  | 320  | 50                   | Red Bed                                                                   |
| 320  | 340  | 20                   | Brown Shale                                                               |
| 340  | 415  | 75'                  | Red Bed                                                                   |
| 415  | 425  | 10'                  | Lime                                                                      |
| 425  | 445  | 20                   | Red Bed                                                                   |
| 445  | 495  | 50                   | Sand                                                                      |
| 495  | 560  | 65                   | Hard Sand                                                                 |
| 560  | 585  | 25                   | Soft Sand                                                                 |
| 585  | 600  | 15                   | Hard Sand                                                                 |
| 600  | 605  | 5                    | Red Bed                                                                   |
| 605  | 610  | 5                    | Diff. in Meas. Set 610' 15 1/2"                                           |
| 610  | 615  | 5                    | Red Bed                                                                   |
| 615  | 695  | 80                   | Sand Water 10 Bailers PH                                                  |
| 695  | 700  | 5                    | Red Bed                                                                   |
| 700  | 715  | 15                   | Broken Lime                                                               |
| 715  | 855  | 145                  | Red Bed                                                                   |
| 855  | 875  | 20                   | Hard Red Sand                                                             |
| 875  | 1120 | 245                  | Red Bed                                                                   |
| 1120 | 1130 | 10                   | Sand                                                                      |
| 1130 | 1235 | 105                  | Red Bed                                                                   |
| 1235 | 1260 | 25                   | Anhydrite                                                                 |
| 1260 | 1280 | 20                   | Salt and Anhydrite                                                        |
| 1280 | 1300 | 20                   | Salt                                                                      |
| 1300 | 1310 | 10                   | Anhydrite                                                                 |
| 1310 | 1335 | 25                   | Lime and ANHYD.                                                           |
| 1335 | 1380 | 45                   | Anhydrite                                                                 |
| 1380 | 1435 | 55                   | Salt                                                                      |
| 1435 | 1440 | 5                    | Anhydrite                                                                 |
| 1440 | 1450 | 10                   | Anhydrite and Potash                                                      |
| 1450 | 1485 | 35                   | Anhydrite and Lime                                                        |
| 1485 | 1490 | 5                    | Anhydrite                                                                 |
| 1490 | 1500 | 5                    | Red Bed                                                                   |
| 1500 | 1505 | 5                    | Salt                                                                      |
| 1505 | 1550 | 45                   | Anhydrite                                                                 |
| 1550 | 1580 | 30                   | Anhydrite and Red Bed                                                     |
| 1580 | 1610 | 30                   | Red Bed                                                                   |
| 1610 | 1630 | 20                   | Hard Anhydrite                                                            |
| 1630 | 1650 | 20                   | Salt and Potash                                                           |
| 1650 | 1695 | 45                   | Salt                                                                      |
| 1695 | 1730 | 35                   | Hard Anhydrite                                                            |
| 1730 | 1785 | 55                   | Salt                                                                      |
| 1785 | 1820 | 35                   | Salt and Potash                                                           |
| 1820 | 1840 | 20                   | Potash and Anhydrite                                                      |
| 1840 | 1875 | 35                   | Salt                                                                      |
| 1875 | 1890 | 15                   | Salt and Potash                                                           |
| 1890 | 1895 | 5                    | Anhydrite                                                                 |
| 1895 | 1905 | 10                   | Salt and Potash                                                           |
| 1905 | 1945 | 40                   | Salt                                                                      |
| 1945 | 1955 | 10                   | Red Bed                                                                   |
| 1955 | 1960 | 5                    | Salt                                                                      |
| 1960 | 1965 | 5                    | Anhydrite                                                                 |
| 1965 | 2105 | 140                  | Salt and Potash                                                           |
| 2105 | 2110 | 5                    | Salt                                                                      |
| 2110 | 2125 | 15                   | Anhydrite                                                                 |
| 2125 | 2150 | 25                   | Salt                                                                      |
| 2150 | 2170 | 20                   | Anhydrite                                                                 |
| 2170 | 2360 | 190                  | Salt                                                                      |
| 2360 | 2395 | 35                   | Salt and Potash                                                           |
| 2395 | 2455 | 60                   | Anhydrite                                                                 |
| 2455 | 2460 | 5                    | Salt and Anhydrite                                                        |
| 2460 | 2505 | 45                   | Anhydrite                                                                 |
| 2505 | 2515 | 10                   | Salt                                                                      |
| 2515 | 2545 | 30                   | Anhydrite                                                                 |
| 2545 | 2575 | 30                   | Salt                                                                      |
| 2575 | 2585 | 10                   | Anhydrite and Salt                                                        |
| 2585 | 2595 | 10                   | Salt                                                                      |
| 2595 | 2610 | 15                   | Anhydrite and Salt                                                        |
| 2610 | 2630 | 20                   | Salt                                                                      |
| 2630 | 2650 | 20                   | Anhydrite                                                                 |
| 2650 | 2750 | 100                  | Salt                                                                      |
| 2750 | 2795 | 45                   | Anhydrite                                                                 |
| 2795 | 2800 | 5                    | Broken Lime                                                               |
| 2800 | 2875 | 75                   | Lime                                                                      |
| 2875 | 2890 | 15                   | Lime and Anhydrite                                                        |
| 2890 | 2960 | 70                   | Lime                                                                      |
| 2960 | 2970 | 10                   | Sandy Lime                                                                |
| 2970 | 2980 | 10                   | Broken Lime                                                               |
| 2990 | 2995 | 5                    | Hard Lime                                                                 |
| 2995 | 3015 | 20                   | Lime and Sandy Shale                                                      |
| 3015 | 3050 | 35                   | Sandy Lime                                                                |
| 3050 | 3060 | 10                   | Grey Lime Increase Gas                                                    |
| 3060 | 3075 | 15                   | Lime Increase Gas                                                         |
| 3075 | 3085 | 10                   | Lime, Hard Reduced Hole to 6-5/8                                          |
| 3085 | 3100 | 15                   | Broken Lime                                                               |
| 3100 | 3120 | 20                   | Sandy Lime                                                                |
| 3120 | 3155 | 35                   | Hard Lime                                                                 |
| 3155 | 3180 | 25                   | Lime                                                                      |
| 3180 | 3195 | 15                   | Broken Sandy Lime                                                         |
| 3195 | 3200 | 5                    | Hard Lime                                                                 |
| 3200 | 3205 | 5                    | Lime Gas Increase to<br>35 Million Cu. Ft.<br>Later inc. to<br>45 Million |