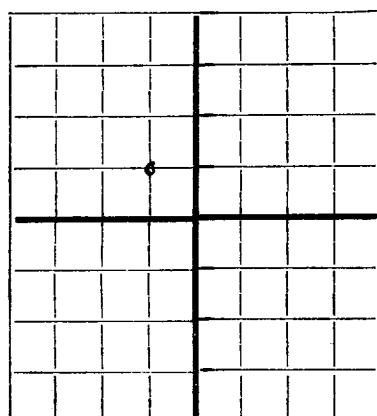


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NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

JUL 28 1947  
RECEIVED  
HOBBBS OFFICE



AREA 640 ACRES  
LOCATE WELL CORRECTLY

WELL RECORD

Mall 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 (?). SUBMIT IN TRIPPLICATE. FORM O-110 WILL NOT BE APPROVED UNTIL FORM O-105 IS PROPERLY FILLED OUT.

**H. W. SNOWDEN** Company or Operator  
**W.A. Dougherty** Lease  
Well No. **1** of Sec. **20** T. **5N**  
R. **35E** N. M. P. M., **Wildest** Field, **Curry** County.  
Well is **1980** feet south of the North line and **1980** feet west of the East line of **Sec. 20-5N-35E NMPL**  
If State land the oil and gas lease is No. **1** Assignment No. **1**  
If patented land the owner is **W.A. Dougherty** Address **Cloria, N.M.**  
If Government land the permittee is **H. W. SNOWDEN** Address **DALLAS, TEXAS**  
The Lessee is **H. W. SNOWDEN** Address **DALLAS, TEXAS**  
Drilling commenced **March 29** 19 **47** Drilling was completed **July 4, 1947** 19  
Name of drilling contractor **WESTERN DRILLING COMPANY** Address **Artesia, N.M.**  
Elevation above sea level at top of casing **4546** feet.  
The information given is to be kept confidential until **Not confidential** 19

OIL SANDS OR ZONES

No. 1, from **None** to **None** No. 4, from **None** to **None**  
No. 2, from **None** to **None** No. 5, from **None** to **None**  
No. 3, from **None** to **None** No. 6, from **None** to **None**

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from **357** to **430** feet. **73**  
No. 2, from **None** to **None** feet.  
No. 3, from **None** to **None** feet.  
No. 4, from **None** to **None** feet.

CASING RECORD

| SIZE          | WEIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT      | KIND OF SHOE       | CUT & FILLED FROM | PERFORATED |    | PURPOSE |
|---------------|-----------------|------------------|------|-------------|--------------------|-------------------|------------|----|---------|
|               |                 |                  |      |             |                    |                   | FROM       | TO |         |
| <b>10-3/4</b> | <b>44</b>       | <b>8rd.</b>      |      | <b>460</b>  | <b>Texas Patt.</b> |                   |            |    |         |
| <b>13"</b>    | <b>61</b>       | <b>"</b>         |      | <b>27</b>   | <b>"</b>           |                   |            |    |         |
| <b>7"</b>     | <b>20</b>       | <b>"</b>         |      | <b>1774</b> | <b>"</b>           |                   |            |    |         |
| <b>5 1/2"</b> | <b>14</b>       | <b>"</b>         |      | <b>2680</b> | <b>"</b>           |                   |            |    |         |
|               |                 |                  |      |             |                    |                   |            |    |         |
|               |                 |                  |      |             |                    |                   |            |    |         |
|               |                 |                  |      |             |                    |                   |            |    |         |
|               |                 |                  |      |             |                    |                   |            |    |         |
|               |                 |                  |      |             |                    |                   |            |    |         |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE  | SIZE OF CASING | WHERE SET   | NO. SACKS OF CEMENT | METHODS USED       | MUD GRAVITY                                                                       | AMOUNT OF MUD USED |
|---------------|----------------|-------------|---------------------|--------------------|-----------------------------------------------------------------------------------|--------------------|
| <b>15"</b>    | <b>13"</b>     | <b>27'</b>  | <b>10</b>           | <b>Halliburton</b> |                                                                                   |                    |
| <b>11"</b>    | <b>10"</b>     | <b>460'</b> | <b>110</b>          | <b>"</b>           |                                                                                   |                    |
| <b>8 1/2"</b> | <b>7"</b>      | <b>1774</b> | <b>None</b>         |                    | <b>pipe stuck and parted at 976, ran steel nipple.</b>                            |                    |
| <b>6"</b>     | <b>5 1/2"</b>  | <b>2680</b> | <b>None</b>         |                    | <b>pipe landed on bottom to hold back heaving shale, not cemented nor mudded.</b> |                    |

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length **None** Depth Set **None**  
Adapters—Material **None** Size **None**

RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|----------|------|-----------------------|-------------------|
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |

Results of shooting or chemical treatment **None**  
**None**  
**None**

RECORD OF DRILL-STEM AND SPECIAL TESTS

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

TOOLS USED

Rotary tools were used from **None** feet to **None** feet, and from **None** feet to **None** feet  
Cable tools were used from **None** feet to **None** feet, and from **None** feet to **None** feet

PRODUCTION

Put to producing **Dry** 19 **47**  
The production of the first 24 hours was **None** barrels, of fluid of which **None** % was oil; **None** % emulsion; **None** % water; and **None** % sediment. Gravity, Be **None**  
If gas well, cu. ft. per 24 hours **None** Gallons gasoline per 1,000 cu. ft. of gas **None**  
Rock pressure, lbs. per sq. in. **None**

EMPLOYEES

**George Kiffmeyer** Driller **L. A. Hansen** Driller  
**Tom Robinson** 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 **23rd** **Artesia, N.M.** **7/23/47**  
day of **July** 19 **47** Name **Wm. H. Kiffmeyer**  
Notary Public Position **DISTRICT MANAGER**  
Representing **H. W. SNOWDEN**  
Address **208 Carper Bldg., Artesia, N.M.**  
My Commission expires **April 15, 1950**

## FORMATION RECORD

| FROM                                   | TO   | THICKNESS<br>IN FEET | FORMATION                               |
|----------------------------------------|------|----------------------|-----------------------------------------|
| 0                                      | 850  | 850                  | Caliche & Red Bed                       |
| 850                                    | 870  | 20                   | Redsand                                 |
| 870                                    | 900  | 30                   | anhy                                    |
| 900                                    | 1000 | 100                  | Gray sand                               |
| 1000                                   | 1020 | 20                   | red beds                                |
| 1020                                   | 1040 | 20                   | red beds, mostly red sand               |
| 1040                                   | 1060 | 40                   | red beds                                |
| 1060                                   | 1090 | 10                   | red shale                               |
| 1090                                   | 1110 | 20                   | red shale & anhy                        |
| 1110                                   | 1140 | 30                   | red bed                                 |
| 1140                                   | 1150 | 10                   | gray sand                               |
| 1150                                   | 1360 | 210                  | red shale, red brick                    |
| 1360                                   | 1410 | 50                   | red bed, red shale & some gray shale    |
| 1410                                   | 1500 | 90                   | red shale                               |
| 1500                                   | 1700 | 200                  | red shale                               |
| 1700                                   | 1710 | 10                   | 80% red shale, 20% gray shale           |
| 1710                                   | 1720 | 10                   | 20% red shale, 80% gray shale           |
| 1720                                   | 1740 | 20                   | 50% red shale, 50% gray shale           |
| 1740                                   | 1760 | 20                   | 100% gray shale                         |
| 1760                                   | 1770 | 10                   | 50% red shale, 50% gray shale           |
| 1770                                   | 1780 | 10                   | 80% red shale, 20% granite wash         |
| 1780                                   | 1790 | 10                   | 95% red shale, 5% granite wash          |
| 1790                                   | 1820 | 30                   | red shale                               |
| 1820                                   | 1830 | 10                   | coarse sand, quartz (granite wash)      |
| 1830                                   | 1890 | 60                   | red shale                               |
| 1890                                   | 1900 | 10                   | 90% red shale, 10% anhy                 |
| 1900                                   | 1920 | 20                   | red beds - sand and shale               |
| 1920                                   | 1940 | 20                   | 80% red shale, 20% anhy                 |
| 1940                                   | 1980 | 40                   | 50% red shale, 50% anhy                 |
| 1980                                   | 2000 | 20                   | 80% red shale, 20% anhy                 |
| 2000                                   | 2010 | 10                   | red shale                               |
| 2010                                   | 2030 | 20                   | 70% red shale, 30% anhy                 |
| 2030                                   | 2060 | 30                   | red shale                               |
| 2060                                   | 2090 | 30                   | 90% red shale, 10% anhy                 |
| 2090                                   | 2100 | 10                   | red shale                               |
| 2100                                   | 2120 | 20                   | 80% red shale, 20% anhy                 |
| 2120                                   | 2140 | 20                   | 70% red shale, 30% anhy                 |
| 2140                                   | 2160 | 20                   | 90% red shale, 10% anhy                 |
| 2160                                   | 2170 | 10                   | 80% red shale, 20% anhy                 |
| 2170                                   | 2180 | 10                   | 80% red shale, 10% anhy, 10% red sand   |
| 2180                                   | 2190 | 10                   | 50% red shale, 50% anhy                 |
| 2190                                   | 2380 | 190                  | 80% red shale, 20% anhy                 |
| 2380                                   | 2390 | 10                   | 80% red shale, 20% gray shale           |
| 2390                                   | 2410 | 20                   | 90% red shale, 10% anhy                 |
| 2410                                   | 2420 | 10                   | 80% red shale, 20% gray shale           |
| 2420                                   | 2440 | 20                   | red shale                               |
| 2440                                   | 2450 | 10                   | red shale                               |
| 2450                                   | 2460 | 10                   | 90% red shale, 10% anhy                 |
| 2460                                   | 2500 | 40                   | red shale                               |
| 2500                                   | 2510 | 10                   | 90% red shale, 10% anhy                 |
| 2510                                   | 2570 | 60                   | red shale                               |
| 2570                                   | 2620 | 50                   | 95% red shale, 5% anhy                  |
| 2620                                   | 2650 | 30                   | red shale                               |
| 2650                                   | 2660 | 10                   | 95% red shale, 5% anhy                  |
| 2660                                   | 2680 | 20                   | red shale                               |
| 2680                                   | 2690 | 10                   | 90% red shale, 10% anhy                 |
| ran 5 1/2 inch and moved to cable tool |      |                      |                                         |
| 2690                                   | 2695 | 5                    | anhy                                    |
| 2695                                   | 2660 | 2                    | 90% anhy, 10% red sand                  |
| 2660                                   | 2671 | 9                    | anhy                                    |
| 2671                                   | 2680 | 9                    | 95% anhy, 5% red shale                  |
| 2680                                   | 2686 | 6                    | 70% anhy, 30% red shale                 |
| 2686                                   | 2719 | 33                   | anhy red shale                          |
| 2719                                   | 2726 | 7                    | 10% red shale, 90% salt                 |
| 2726                                   | 2735 | 9                    | 80% red shale, 30% salt                 |
| 2735                                   | 2744 | 9                    | anhy                                    |
| 2744                                   | 2750 | 6                    | 80% anhy, 20% red shale                 |
| 2750                                   | 2760 | 10                   | anhy                                    |
| 2760                                   | 2770 | 10                   | 80% anhy, 20% red shale                 |
| 2770                                   | 2787 | 17                   | red shale                               |
| 2787                                   | 2790 | 3                    | 50% anhy, 50% red shale                 |
| 2790                                   | 2806 | 16                   | anhy                                    |
| 2806                                   | 2823 | 17                   | 80% anhy, 20% salt                      |
| 2823                                   | 2835 | 12                   | 10% anhy, 20% red shale, 70% salt       |
| 2835                                   | 2882 | 47                   | salt                                    |
| 2882                                   | 2895 | 13                   | 20% anhy, 80% salt                      |
| 2895                                   | 2928 | 33                   | anhy                                    |
| 2928                                   | 2950 | 22                   | 95% anhy, 5% gray shale                 |
| 2950                                   | 2965 | 15                   | anhy                                    |
| 2965                                   | 2995 | 30                   | 90% anhy                                |
| 2995                                   | 3000 | 5                    | 95% buff dele, 5% gray shale            |
| 3000                                   | 3012 | 12                   | anhy                                    |
| 3012                                   | 3020 | 8                    | 90% anhy, 10% gray shale                |
| 3020                                   | 3030 | 10                   | 90% anhy, 10% buff dele                 |
| 3030                                   | 3035 | 5                    | 50% anhy, 50% buff dele                 |
| 3035                                   | 3066 | 31                   | anhy                                    |
| 3066                                   | 3076 | 10                   | 90% anhy, 10% gray shale                |
| 3076                                   | 3086 | 10                   | anhy                                    |
| 3086                                   | 3100 | 14                   | 90% anhy, 10% gray shale                |
| 3100                                   | 3115 | 15                   | 20% anhy, 80% gray shale                |
| 3115                                   | 3130 | 15                   | 60% anhy, 40% gray shale                |
| 3130                                   | 3140 | 10                   | 20% anhy, 30% red shale, 50% gray shale |
| 3140                                   | 3168 | 28                   | salt                                    |
| 3168                                   | 3185 | 17                   | anhy                                    |
| 3185                                   | 3200 | 15                   | 90% anhy, 10% gray shale                |
| 3200                                   | 3207 | 7                    | salt                                    |
| 3207                                   | 3217 | 10                   | 20% anhy, 80% buff dele                 |
| 3217                                   | 3226 | 9                    | buff dele                               |
| 3226                                   | 3235 | 9                    | 50% anhy, 50% buff dele                 |
| 3235                                   | 3248 | 13                   | anhy                                    |
| 3248                                   | 3260 | 12                   | 90% anhy, 10% gray shale                |
| 3260                                   | 3270 | 10                   | buff dele                               |
| 3270                                   | 3282 | 12                   | anhy                                    |
| 3282                                   | 3290 | 8                    | anhy                                    |
| 3290                                   | 3320 | 30                   | salt                                    |
| 3320                                   | 3340 | 20                   | 80% salt, 20% red shale                 |
| 3340                                   | 3469 | 129                  | salt                                    |
| 3469                                   | 3485 | 16                   | anhy                                    |
| 3485                                   | 3495 | 10                   | brown dele                              |
| 3495                                   | 3498 | 3                    | brown dele finely xyn                   |
| 3498                                   | 3504 | 6                    | buff finely xyn dele porous             |
| 3504                                   | 3515 | 11                   | buff finely xyn dele                    |
| 3515                                   | 3520 | 5                    | tan argillaceous dele 5% shale          |
| 3520                                   | 3525 | 5                    | tan finely xyn dele                     |
| 3525                                   | 3530 | 5                    | tan finely xyn dele vitreous            |
| 3530                                   | 3535 | 5                    |                                         |