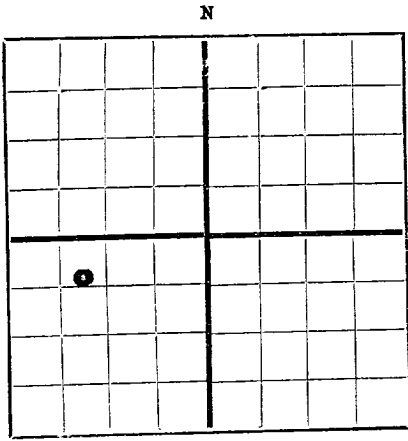


NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico



AREA 640 ACRES  
LOCATE WELL CORRECTLY

WELL RECORD

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

**Southern Petroleum Exploration, Inc.**, Roswell, New Mexico  
Company or Operator Address  
**Downes** Well No. **D-2** in **NW 1/4 SW 1/4** of Sec. **32**, T. **21S**  
Lease  
R. **37E**, N. M. P. M. **Drinkard** Field, **Lea** County.  
Well is **1260** feet from the **North** line and **810** feet from the **West** line of **Section 32**  
If State land the oil and gas lease is No. **None** Assignment No. \_\_\_\_\_  
If patented land the owner is **Annie L. Downes** Address **Hagerman, New Mexico**  
If Government land the permittee is **None** Address \_\_\_\_\_  
The Lessee is **Southern Petroleum Exploration, Inc.** Address **Roswell, New Mexico**  
Drilling commenced **Sept. 19 (?) 1949** Drilling was completed **December 29, 1949**  
Name of drilling contractor **Two States Drilling Co.** Address **Dallas, Texas**  
Elevation above sea level at top of casing **3468DF** feet.  
The information given is to be kept confidential until **None** 19\_\_\_\_

OIL SANDS OR ZONES

No. 1, from **6558** to **6630** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

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.

CASING RECORD

| SIZE   | WEIGHT PER FOOT | THREADS PER INCH | MAKE     | AMOUNT | KIND OF SHOE | CUT & FILLED FROM | PERFORATED |    | PURPOSE     |
|--------|-----------------|------------------|----------|--------|--------------|-------------------|------------|----|-------------|
|        |                 |                  |          |        |              |                   | FROM       | TO |             |
| 13-3/8 | 68              |                  | Seamless | 319'   | Larkin       |                   |            |    | Surface     |
| 9-5/8  | 36              |                  | Seamless | 2848'  | Larkin       |                   |            |    | Salt String |
| 7"     | 23              |                  | Seamless | 6497'  | Baker        |                   |            |    | Oil String  |
| 2-3/8  | 4.70            |                  | Upset    | 6628'  | Perf. Joint  |                   |            |    | Tubing      |

MUDDING AND CEMENTING RECORD

| SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|----------------|-----------|---------------------|--------------|-------------|--------------------|
| 13-3/8 / 319'  | 300       | Halliburton         |              |             | Circulated cement  |
| 9-5/8 //       | 2848      | 1400                | Halliburton  |             | " "                |
| 7"             | 6497      | 1600                | Halliburton  |             | " "                |

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters — Material \_\_\_\_\_ Size \_\_\_\_\_

RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY  | DATE      | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|-----------|-----------|-----------------------|-------------------|
|      |            | HCL                        | 2000 gals | Jan. 5-50 | 6558-6630             | Total             |

Results of shooting or chemical treatment **14 barrels of oil before acidizing**  
**31 barrels after acidizing, flowing.**

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 **0** feet to **6630** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

PRODUCTION

Put to producing **January 3, 1950**  
The production of the first 24 hours was **261** barrels of fluid of which **100** % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be. **39.5**  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. **700# casing -- 200# tubing**

EMPLOYEES

**Two States Drilling Co.**, 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 **7th** day of **January**, 19**50**.  
**Thos O. Otterson**  
Roswell, New Mexico, January 7, 1950  
Name **Robert M. Shepard**  
Position **Geologist**  
Southern Petroleum Expl. Inc.

FORMATION RECORD

| FROM | TO   | THICKNESS<br>IN FEET | FORMATION                      |
|------|------|----------------------|--------------------------------|
| 0    | 140  |                      | Caliche, SB, Shell             |
|      | 912  |                      | SB & shale                     |
|      | 1141 |                      | SB & Sand                      |
|      | 1165 |                      | SB, shale, Sand & Gyp, TA 1165 |
|      | 1265 |                      | Anhy.                          |
|      | 1380 |                      | Hard sand & Anhy.              |
|      | 1430 |                      | Sand, Anhy & Gyp               |
|      | 1655 |                      | Salt & Anhy, TS 1430           |
|      | 1947 |                      | Salt & Anhy                    |
|      | 2096 |                      | " "                            |
|      | 2495 |                      | " "                            |
|      | 2525 |                      | Anhy & Gyp                     |
|      | 2572 |                      | " "                            |
|      | 2642 |                      | Anhy                           |
|      | 2855 |                      | "                              |
|      | 2885 |                      | Cement & lime                  |
|      | 3045 |                      | Anhy                           |
|      | 3180 |                      | "                              |
|      | 3225 |                      | Line                           |
|      | 3769 |                      | Line                           |
|      | 3820 |                      | Line & Sand                    |
|      | 3870 |                      | Line                           |
|      | 4980 |                      | "                              |
|      | 5160 |                      | "                              |
|      | 5300 |                      | Sand (Glottetta)               |
|      | 5900 |                      | Skip                           |
|      | 6150 |                      | Dolo, Sand, Gr. Shale          |
|      | 6360 |                      | Skip                           |
|      | 6630 |                      | Lime, Some dolo, Sand          |

DST

December 30, 1949

6558-6630 Drinkard

Open 8 hours, gas in 25 min., 3827' of oil  
(approximately 61 barrels)