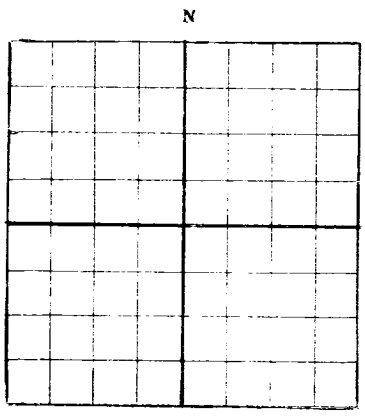
FORM C-105




AREA 640 ACRES
LOCATE WELL CORRECTLY

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

RECEIVED
FEB 3 1947
HOBBS, N. M.

## 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 TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Southern Union Production Company, 1104 Burt Bldg., Dallas, Texas
Company or Operator — Address

Simmons Well No. 1 in SW¼ of Sec. 22, T. 30-N

R. 13-W N. M. P. M., Fulcher Basin Field, San Juan County.

Well is 1970 feet south of the North line and 1650 feet west of the East line of Sec. 22.

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is S. W. Simmons, Address Farmington, N. M.

If Government land the permittee is _____, Address _____

The Lessee is Southern Union Production Co., Address Dallas, Texas

Drilling commenced Dec. 8, 1946 Drilling was completed Jan. 8, 1947

Name of drilling contractor _____, Address _____

Elevation above sea level [illegible] 5427 feet.

The information given is to be kept confidential until _____, 19____.

### OIL SANDS OR ZONES

No. 1, from 402 to 408 (G) No. 4, from 1248 to 1280 (G)

No. 2, from 440 to 466 (G) No. 5, from 1496 to 1526 (G)

No. 3, from 665 to 670 (G) No. 6, from 1848 to 1886 (G)

### IMPORTANT WATER SANDS

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

No. 1, from 670 to 680 feet. 5 blrs./hr.

No. 2, from 1370 to 1378 feet. 1/2 blr./hr.

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 FROM | PERFORATED TO | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| 16" | | | | 42' | | None | | | Surface |
| 13-3/8" | | | | 410' | | 30' | | | Drilling |
| 10-3/4" | | | | 410' | | All | | | " |
| 8-5/8" | | | | 940' | | All | | | " |
| 5½" | | | | 1495' | | None | | | Producing |
| 1" | Siphon Line | | | 1350' | | | | | |
| | | | | | | | | | |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| | 16" | 42' | 10 | | | 8 Aquagel |
| | 5½" | 1495' | 80 | | | 10 " |
| | | | | | | |
| | | | | | | |

### 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 |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |

Results of shooting or chemical treatment _____

### 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 _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from 0 feet to 1605 feet, and from _____ feet to _____ feet

### PRODUCTION

Put to producing _____, 19____.

The production of 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 800,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 570

### EMPLOYEES

Roland Driller, Finch Driller

Smith Driller, Graham 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 24th day of January, 1947

Callie Billy Garrett
Notary Public

My Commission expires: June 1, 1947

Dallas, Texas — 1/24/47
Place — Date

Name Van Thompson

Position Engineer

Representing Southern Union Production Co.
Company or Operator

Address 1104 Burt Bldg., Dallas 1, Texas.

## FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| [illegible] | [illegible] | 25 | Boulders |
| [illegible] | [illegible] | 5 | River mud |
| [illegible] | [illegible] | 20 | Sandy shale |
| [illegible] | [illegible] | 8 | Sandstone. Sulphur water. |
| [illegible] | [illegible] | 8 | Sand |
| [illegible] | 74 | 14 | Conglomerate |
| 74 | 100 | 26 | Sand |
| 100 | 110 | 10 | Gravel |
| 110 | 170 | 60 | Sand |
| 170 | 175 | 5 | Sand. Show of gas. |
| 175 | 190 | 15 | Blue shale |
| 190 | 195 | 5 | Sandy shale |
| 195 | 215 | 20 | Gray shale |
| 215 | 221 | 6 | Sand |
| 221 | 228 | 7 | Blue shale |
| 228 | 243 | 15 | Gray shale |
| 243 | 258 | 15 | Blue shale |
| 258 | 273 | 15 | Lime & shale |
| 273 | 283 | 10 | Blue shale |
| 283 | 410 | 6 | Sand. Show of gas 406-410. |
| 410 | 415 | 5 | Gray shale |
| 415 | 421 | 6 | Sand |
| 421 | 428 | 7 | Blue shale |
| 428 | 445 | 5 | Sand |
| 445 | 450 | 5 | Sandy shale |
| 450 | 456 | 6 | Sand. Show of gas. |
| 456 | 480 | 24 | Blue shale |
| 480 | 492 | 2 | Shale |
| 492 | 507 | 15 | Sand |
| 507 | 559 | 52 | Gray shale - sandy |
| 559 | 573 | 47 | Blue shale |
| 573 | 578 | 5 | Gray slate |
| 578 | 580 | 2 | Sand |
| 580 | 664 | 40 | Gray shale |
| 664 | 683 | 19 | Blue shale |
| 683 | 690 | 17 | Gray shale |
| 690 | 720 | 30 | Sand. Salt at 695-70. |
| 720 | 740 | 20 | Blue sandy shale |
| 740 | 760 | 20 | Sand |
| 760 | 778 | 18 | Blue shale |
| 778 | 793 | 15 | Gray shale |
| 793 | 809 | 16 | Sandy shale |
| 809 | 825 | 16 | Gray shale |
| 825 | 840 | 15 | Blue shale |
| 840 | 858 | 18 | Gray shale |
| 858 | 888 | 30 | Blue shale |
| 888 | 896 | 8 | Gray shale |
| 896 | 930 | 15 | Blue shale |
| 930 | 955 | 25 | Shale & sand shells |
| 955 | 1040 | 85 | Blue shale |
| 1040 | 1055 | 15 | Gray shale |
| 1055 | 1095 | 40 | Blue shale |
| 1095 | 1135 | 40 | Gray shale |
| 1135 | 1150 | 15 | Brown shale & sand shells. Show of gas 1135-1150. |
| 1150 | 1170 | 15 | Blue shale |
| 1170 | 1190 | 20 | Gray shale |
| 1190 | 1210 | 15 | Brown shale |
| 1210 | 1227 | 17 | Gray shale |
| 1227 | 1246 | 19 | Dark shale |
| 1246 | 1263 | 17 | Gray shale |
| 1263 | 1280 | 17 | Sand |
| 1280 | 1448 | 68 | Gray shale |
| 1448 | 1488 | 8 | Shale & sand shells |
| 1488 | 1498 | 10 | Coal & shale |
| 1498 | 1516 | 17 | Shale |
| 1516 | 1526 | 10 | Sand |
| 1526 | 1535 | 10 | Sand & shale |
| 1535 | 1540 | 5 | Sand |
| 1540 | 1550 | 10 | Gray shale & sand shells |
| 1550 | 1560 | 10 | Sand shells & shale |
| 1560 | 1565 | 5 | Sandy shale |
| 1565 | 1586 | 21 | Sand. Gas increase. |
| 1586 | 1600 | 14 | Gray shale - sandy. |
| 1600 | 1610 | 10 | Sand |
| 1610 | 1626 | 16 | Shale & sand shells. Total Depth |