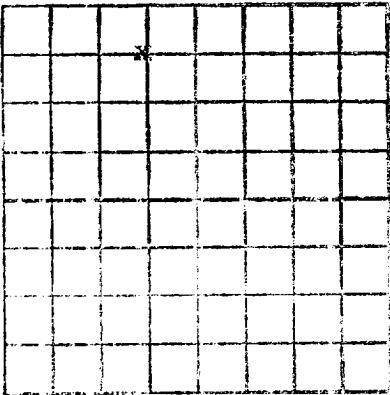




NEW MEXICO OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

WELL RECORD

MAIL TO DISTRICT OFFICE, OIL CONSERVATION COMMISSION, TO WHICH FORM C-101 WAS SENT NOT LATER THAN TWENTY DAYS AFTER COMPLETION OF WELL. FOLLOW INSTRUCTIONS IN RULES AND REGULATIONS OF THE COMMISSION. SUBMIT IN QUINTUPPLICATE.

AREA 640 ACRES  
LOCATE WELL CORRECTLY

Humble Oil & Refining Company, Box 2347, Hobbs, New Mexico South Four Lakes Unit (COMPANY OR OPERATOR) (LEASE)

WELL NO. 5 IN NE 1/4 OF NW 1/4 OF SEC. 2 T.11N. R.2E.4E. NMPM Four Lakes Pennsylvanian POOL, Lea COUNTY

WELL IS 660 FEET FROM north LINE AND 1980 FEET FROM BASE LINE OF SECTION 2. IF STATE LAND THE OIL AND GAS LEASE NO. IS 135494

DRILLING COMMENCED 3-25-57, 19 DRILLING WAS COMPLETED 4-21-57, 19

NAME OF DRILLING CONTRACTOR Sharp Drilling Company

ADDRESS Box 1271, Midland, Texas

ELEVATION ABOVE SEA LEVEL AT TOP OF TUBING HEAD 4160 DF THE INFORMATION GIVEN IS TO BE KEPT CONFIDENTIAL UNTIL not confidential, 19

OIL SANDS OR ZONES

NO. 1, FROM 10,276 TO 10307 NO. 4, FROM TO

NO. 2, FROM 11,500 TO 11,540 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 | NEW OR USED | AMOUNT   | KIND OF SHOE | CUT AND PULLED FROM | PERMEABILITY  | PURPOSE      |
|--------|-----------------|-------------|----------|--------------|---------------------|---------------|--------------|
| 13-3/8 | 48              | new         | 399.73   | Howco        | =                   |               | Surface      |
| 9-5/8  | 36              | new         | 4200.80  | Howco        | =                   |               | Intermediate |
| 5      | 17              | new         | 10445.19 | Howco        | =                   | 10284 - 10315 | Oil          |

MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
| 12 1/2       | 13-3/8         | 415       | 400                 | Halliburton | =           | =                  |
| 12           | 9-5/8          | 4215      | 2500                | Halliburton | =           | =                  |
| 6 1/4        | 5 1/2          | 10455     | 350                 | Halliburton | =           | =                  |

Plugged back from 13010 to 12760 with 100 sacks, from 12600 to 12400 with 80 sacks, from 10600 - 10350 with 110 sacks.

RECORD OF PRODUCTION AND STIMULATION

(RECORD THE PROCESS USED, NO. OF QTS. OR GALS. USED, INTERVAL TREATED OR SHOWN)

Drilled to a total depth of 13,010, plugged back to 10450, and drilled out to 12,561. Log set at 10456 and perforated from 10284 to 10315 with 17 jet holes per foot. Stimulated perforations from 10284 to 10315' with 1000 gals mud acid. Infiltrated into 2.4 MM. On 12 hour flow test produced 238 bbls PLO on 3/8" ck, gravity 45. TH 270 gas 1201 mcf/day. 10/13/57.

RECORD OF PRODUCTION STIMULATION

DATE 10/13/57

# 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 Drill stem test = see attached sheet.  
Maximum Hole Deviation = 5-3/4 deg at 10/65' by TITCO.

## TOOLS USED

ROTARY TOOLS WERE USED FROM 0 FEET TO 13,010 FEET, AND FROM FEET TO FEET.  
CABLE TOOLS WERE USED FROM FEET TO FEET, AND FROM FEET TO FEET.

## PRODUCTION

WENT TO PRODUCING 7-31-57 12  
18  
ON WELL: THE PRODUCTION DURING THE FIRST 24 HOURS WAS 238 BARRELS OF LIQUID OF WHICH 100%  
WAS OIL, % WAS EMULSION, % WATER, AND % WAS  
SEDIMENT. A.P.I. GRAVITY 43

GAS WELL: THE PRODUCTION DURING THE FIRST 24 HOURS WAS BARRELS PER DAY  
BARRELS OF LIQUID HYDROCARBON. SHUT IN PRESSURE 155.

LENGTH OF TIME SHUT IN

PLEASE INDICATE BELOW FORMATION TOPS (In Conformance With Geographical Section Of State):

| SOUTHEASTERN NEW MEXICO |       |  | NORTHWESTERN NEW MEXICO |       |  |
|-------------------------|-------|--|-------------------------|-------|--|
| T. ANHY.                | 2005  |  | T. DEVONIAN             | 12930 |  |
| T. SALT                 |       |  | T. SILURIAN             |       |  |
| T. SALT                 |       |  | T. MONTOYA              |       |  |
| T. VATES                | 2806  |  | T. SIMPSON              |       |  |
| T. RIVERS               |       |  | T. McKEE                |       |  |
| T. QUEEN                |       |  | T. ELLENBURGER          |       |  |
| T. GRAYBURG             |       |  | T. GR. WASH             |       |  |
| T. SAN ANDRES           | 4100  |  | T. GRANITE              |       |  |
| T. GLOUETA              | 5560  |  | T.                      |       |  |
| T. DRINKARD             |       |  | T.                      |       |  |
| T. TUBBS                | 6980  |  | T.                      |       |  |
| T. ABC                  | 7778  |  | T.                      |       |  |
| T. PENNA                |       |  | T.                      |       |  |
| T. WASH                 | 12290 |  | T.                      |       |  |

## FORMATION RECORD

| FROM  | TO    | THICKNESS<br>IN FEET | FORMATION                                | FROM | TO | THICKNESS<br>IN FEET | FORMATION |
|-------|-------|----------------------|------------------------------------------|------|----|----------------------|-----------|
| 0     | 2005  | 2005                 | Red Bed & Shale                          |      |    |                      |           |
| 2005  | 2806  | 801                  | Anhy. salt, sand                         |      |    |                      |           |
| 2806  | 4100  | 1294                 | Sand, dolomite & shale                   |      |    |                      |           |
| 4100  | 5550  | 1450                 | Dolomite                                 |      |    |                      |           |
| 5550  | 7778  | 2228                 | Dolomite, sandy dolomite, shale          |      |    |                      |           |
| 7778  | 9090  | 1312                 | Dolomite, shale & anhy. sandstone        |      |    |                      |           |
| 9090  | 11460 | 2370                 | limestone, shale, sandstone, anhy, chert |      |    |                      |           |
| 11460 | 12290 | 830                  | Sandstone, limestone & shale             |      |    |                      |           |
| 12290 | 12808 | 518                  | limestone, chert & shale                 |      |    |                      |           |
| 12808 | 12930 | 122                  | shale, limestone                         |      |    |                      |           |
| 12930 | 13010 | 80                   | limestone & dolomite                     |      |    |                      |           |

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I HEREBY SWEAR OR AFFIRM THAT THE INFORMATION GIVEN HERewith IS A TRUE AND CORRECT RECORD OF THE WELL AND ALL WORK DONE ON IT SO FAR AS CAN BE DETERMINED FROM A LOGGING RECORD.

DATE September 6, 1957  
COMPANY OR OPERATOR Humble Oil & Refining Company ADDRESS 6000 West 10th St., Houston, Texas  
NAME H. M. Canty POSITION OR TITLE Asst. dfl

Humble Oil & Refining Company, South Four Lakes Unit I, Well #5.

Drill Stem Tests

| Date    | Type Test | Formation Tested |             | Tool    |         | Size Ck | Open | Formation Pres | Recovery - Ft. |     |             |           | Was Test Satisf |
|---------|-----------|------------------|-------------|---------|---------|---------|------|----------------|----------------|-----|-------------|-----------|-----------------|
|         |           | OH or Csg        | From To     | Top Bot | Min     |         |      |                | Shut-in        | Oil | Wtr         | Mud Other |                 |
| 5-24-57 | OH        |                  | 10255 10341 | 1       | 5/8 344 |         | 1475 | 2515           |                | 1.3 | bbls per hr | (flowing) | yes             |
| 5-26-57 | OH        |                  | 11465 11487 | 1       | 5/8 30  |         | 660  | 780            |                |     | 5           |           | yes             |
| 6-18-57 | OH        |                  | 11500 11540 | 1       | 5/8 140 |         | 745  | 3690           |                | 4.6 | mcf gas day | 150*      | yes             |
| 7-22-57 | OH        |                  | 12955 13010 | 1       | 5/8 30  |         | 1370 | 3035           |                |     |             | 20        | yes             |

\*Gas Cut