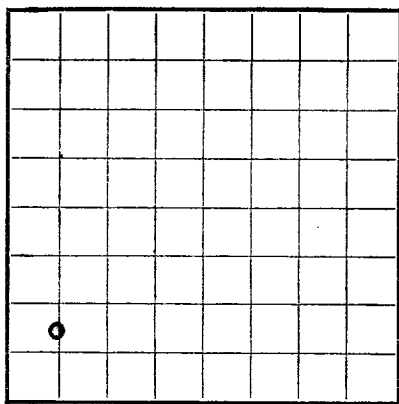


N. M. O. C. C. COPY

U. S. LAND OFFICE  
SERIAL NUMBER **MM 030452**  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

RECEIVED  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
JUN 5 1961 GEOLOGICAL SURVEY  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICORECEIVED  
JUN 6 1961  
O. C. C.  
ARTESIA, OFFICE

## LOG OF OIL OR GAS WELL

Company **HILL & MEEKER** Address **519 Midland Savings Bldg.**  
Lessor or Tract **Shugart Federal** Field **Wildcat** State **New Mexico**  
Well No. **One** Sec. **23** T. **24S** R. **30E** Meridian **N.M.P.M.** County **Eddy**  
Location **660** ft. **S** of **S** Line and **660** ft. **E** of **W** Line of **Sec. 23**, Elevation **3412**  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed **W. M. Arning**  
Date **June 2, 1961** Title **Production Clerk**

The summary on this page is for the condition of the well at above date:

Commenced drilling **May 7, 1961** Finished drilling **May 17, 1961**

## OIL OR GAS 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 casing | Weight per foot | Threads per inch | Make  | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose    |
|-------------|-----------------|------------------|-------|--------|--------------|---------------------|------------|-----|------------|
|             |                 |                  |       |        |              |                     | From—      | To— |            |
| 8-5/8       | 24              | 8                | Lucas | 336'   | Hall         | 0                   | 0          | 0   | Surf. csg. |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 346'      | 250 sks                | Pump & plug |             |                    |

## 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 \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_ 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

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

| FROM— | TO—  | TOTAL FEET | FORMATION                |
|-------|------|------------|--------------------------|
| 0     | 30   | 30         | Surface sand & caliche   |
| 30    | 475  | 445'       | Red sand & shale         |
| 475   | 710  | 235        | Anhydrite                |
| 710   | 780  | 70         | Shale, Sand & Gravel     |
| 780   | 2365 | 1585       | Salt & Anhydrite         |
| 2365  | 3160 | 795        | Anhydrite                |
| 3160  | 3370 | 210        | Salt                     |
| 3370  | 3460 | 90         | Anhydrite                |
| 3460  | 3765 | 305        | Salt                     |
| 3765  | 3979 | 214        | Anhydrite                |
| 3979  | 4010 | 31         | Liney sand & Black shale |
| 4010  | 4042 | 82         | Sand & shale             |
| FROM— | TO—  | TOTAL FEET | FORMATION                |

FORMATION RECORD—Continued

