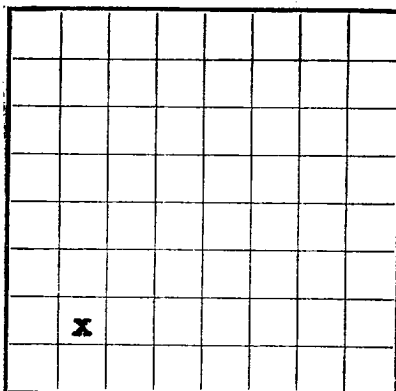
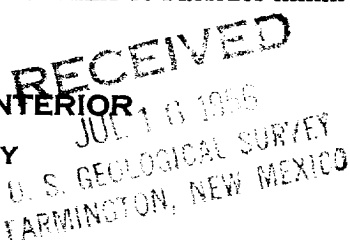


U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **080375**  
LEASE OR PERMIT TO PROSPECT **Sheets**

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **BENSON-MONTIN** Address **2808 FIRST NATIONAL BANK BLDG. OKLAHOMA CITY, OKLA.**  
Lessor or Tract **SHEETS** Field **BALLARD** State **NEW MEXICO**  
Well No. **4** Sec. **1** T. **25N** R. **8W** Meridian **N.M.P.M.** County **SAN JUAN**  
Location **1000** ft. (N. of **S** Line and **1075** ft. (E. of **W** Line of **SEC. 1**) Elevation **6957**  
(Check box 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 **Albert J. Greer**  
Date **July 13th, 1956** Title **Field Superintendent**

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

Commenced drilling **May 10th, 1956** Finished drilling **May 21st, 1956**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2656** to **2756 (G)** 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                | J-55 | 206    |              |                     |            |    | Surface    |
| 5-1/2"      | 15#             | 8                | J-55 | 240    |              |                     |            |    |            |
| 5-1/2"      | 15#             | 8                | J-55 | 2400   | Pattern      |                     |            |    | Production |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8"      | 214       | 180                    | Pump & Plug |             |                    |
| 5-1/2"      | 2705      | 100                    | " " "       |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material **None** Length \_\_\_\_\_ Depth set \_\_\_\_\_Adapters—Material **None** Size \_\_\_\_\_

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            | None           |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from **Surface** feet to **2756** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feetCable tools were used **from to drill in** feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## Ran Tubing

**May 23rd**, 19**56**

## DATES

## State Potential Test

Put to producing **July 12th**, 19**56**

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 **957.000** Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. **657**

## EMPLOYEES

**Benson-Montin-Greer**, Driller \_\_\_\_\_, Driller**Drilling Corp.**, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—   | TO—  | TOTAL FEET | FORMATION                                                        |
|---------|------|------------|------------------------------------------------------------------|
| Surface | 2563 | 2563       | Surface sand & shale, Ojo Alamo, Kirtland & Fruitland formations |
| 2563    | 2567 | 4          | Coal                                                             |
| 2567    | 2598 | 31         | Shale                                                            |
| 2598    | 2603 | 5          | Coal                                                             |
| 2603    | 2606 | 3          | Shale                                                            |
| 2606    | 2610 | 4          | Coal                                                             |
| 2610    | 2618 | 8          | Shale                                                            |
| 2618    | 2622 | 4          | Coal                                                             |
| 2622    | 2644 | 22         | Shale                                                            |
| 2644    | 2652 | 8          | Coal                                                             |
| 2652    | 2656 | 4          | Shale                                                            |
| 2656    | 2756 | 100        | Sand                                                             |

TOP OF PICTURED CLIFFS 2656'

PLEASE OR PERMIT TO PROSPECT SHEETS  
SERIAL NUMBER  
080906  
U. S. LAND OFFICE  
Santa Fe

UNITED STATES

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Date \_\_\_\_\_  
This field Superintendant  
Cleaned out to LB 2766.  
San 109 joints 2748 or  
as far as can be determined by pumping down at 2748.  
The information given herewith is a complete and correct record of the well and all work done thereon  
7-12-56 State potential test by El Paso Natural Gas Company (about 50 days) ran open 3 hours  
Section 25 1/4 - 2nd section center. M chokes volume 248 1000  
MCF/day. AOF 957 MCF/day. Field Railroad State NEW MEXICO  
Oklahoma City Oklahoma  
Address SAGE HICKS NATURAL GAS FIELD  
Company

| Well    | Time  | Remarks                                                                                                                                                                                                     |
|---------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5-10-56 | 10:00 | Moved in rotary. Spudded.                                                                                                                                                                                   |
| 5-12-56 | 10:00 | TD 3001. Set 8-5/8" casing.                                                                                                                                                                                 |
| 5-16-56 | 10:00 | TD 2756. Set 5-1/2" casing.                                                                                                                                                                                 |
| 5-18-56 | 10:00 | Moved in cable tools.                                                                                                                                                                                       |
| 5-21-56 | 10:00 | Cleaned out to TD 2756. Flowing 66 MCF/day.                                                                                                                                                                 |
| 5-21-56 | 10:00 | Sand-oil treated from 2705' to 2756' with 17,115 gallons diesel oil and 29 000# sand, flushed with 2,755 gallons diesel oil. Breakdown pressure 1,000#. Treating pressure 1,000#. Inflection here 47' 10.50 |
| 5-21-56 | 10:00 | Periods between 10:00 and 10:00. After treatment flowing 578 MCF/day.                                                                                                                                       |

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was sidetracked, or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

**HISTORY OF OIL OR GAS WELL**

[illegible]**FORMATION RECORD—Continued**