

**Figure 2.220**

49

Sec. 20

LOCATE WELL CORRECTLY



U. S. LAND OFFICE **Santa Fe**  
SERIAL NUMBER **N.M. 013492**  
LEASE OR PERMIT TO PROSPECT  
**A. L. Duff**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company SKELLY OIL COMPANY Address Box 426, Farmington, New Mexico  
Lessor or Tract A. L. Duff Field Bisti State New Mexico  
Well No. 9 Sec. 20 T. 26N R. 13W Meridian N.M.P.M. County San Juan  
Location 660 ft. [S.] of N. Line and 660 ft. [E.] of W. Line of Section 20 Elevation 6577' D.F.  
(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 P. E. Cooper

Date May 28, 1958 Title District Superintendent

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

Commenced drilling May 3, 1958 Finished drilling May 18, 1958

## OIL OR GAS SANDS OR ZONES

(Denote aas by  $G$ )

No. 1, from 5398' to 5404' No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 2. from 5406' to 5414' No. 5. from \_\_\_\_\_ to \_\_\_\_\_

No. 3. from \_\_\_\_\_ to \_\_\_\_\_ No. 6. from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from None to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_      No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

[illegible]

## MUDDING AND CEMENTING RECORD

| MODDING AND CEMENTING RECORD |                                                                      |           |                        |             |             |                    |
|------------------------------|----------------------------------------------------------------------|-----------|------------------------|-------------|-------------|--------------------|
| MARK                         | Size casing                                                          | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|                              | OD                                                                   |           |                        |             |             |                    |
|                              | 10-3/4"                                                              | 260' KB   | 275                    | Halliburton |             |                    |
|                              | 5-1/2"                                                               | 5458' KB  | 200                    | Halliburton |             |                    |
|                              | * Top of cement behind 5 1/2" casing at 4823' by temperature survey. |           |                        |             |             |                    |

## 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 |
|--------------------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| Sand-oil fraced thru perfs. 5398-5401' & 5406-14' w/30,000#  |            |                |          |      |            |                   |
| 20-40 sand & 30,000 gals. oil & 24 rubber frac balls.        |            |                |          |      |            |                   |
| BDP 2400#. Max. TP 2450#. Min. TP 2350#. Inj. rate 46.2 BPM. |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 5464 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

----- **May 28** , 19**58** Put to producing ----- **May 27** , 19**58**

The production for the first 24 hours was 304 barrels of fluid of which 99.8% was oil; .2% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 39.1

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. -----

## EMPLOYEES

Schafer Drilling Company, Driller \_\_\_\_\_, Driller

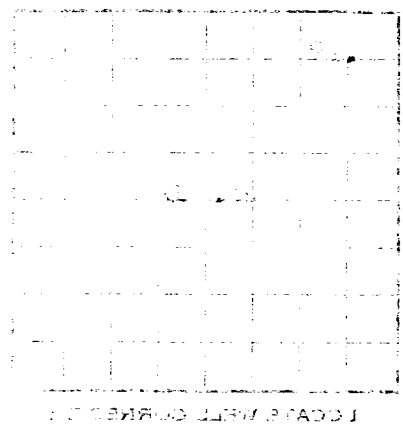
\_\_\_\_\_, Driller \_\_\_\_\_ Driller

## FORMATION RECORD

| FORMATION RECORD                |      |              |                                          |
|---------------------------------|------|--------------|------------------------------------------|
| FROM--                          | TO-- | TOTAL FEET   | FORMATION                                |
| 0                               | 1746 | 1746         | Sand & Shale                             |
| 1746                            | 1840 | 94           | Sand & Shale - Top Pictured Cliffs 1746' |
| 1840                            | 3160 | 1320         | Sand & Shale - Top Lewis 1840'           |
| 3160                            | 3200 | 40           | Sand & Shale - Top Cliff House 3160'     |
| 3200                            | 4179 | 979          | Sand & Shale - Top Menefee 3200'         |
| 4179                            | 4345 | 166          | Sand & Shale - Top Point Lookout 4179'   |
| 4345                            | 5283 | 938          | Sand & Shale - Top Mancos 4345'          |
| 5283                            | 5390 | 107          | Sand & Shale - Top Gallup "H" 5283'      |
| 5390                            | 5464 | 74           | Sand & Shale - Top Gallup "J" 5390'      |
|                                 |      |              | Tops by Schlumberger Electrical Log.     |
| <u>TOTAL DEPTH</u>              |      | <u>5464'</u> |                                          |
| <u>PLUGGED BACK TOTAL DEPTH</u> |      | <u>5439'</u> |                                          |

[OVER]

16-43094-4



1. CONFIDENTIAL

The following table shows the number of children in each age group who were born in the United Kingdom and who were born abroad.

2000-2001

IMPORTANT WATER

GROUP OVERHEAD

**HISTORY OF OIL OR GAS WELL.**

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**FORMATION RECORD—Continued**