

U. S. LAND OFFICE Santa Fe, New Mex.  
SERIAL NUMBER SF 078067  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company Shell Oil Company Address P. O. Box 153, Farmington, New Mexico  
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico  
Well No. 12-14 Sec. 14 T. 25N R. 12W Meridian N.M.P.M. County San Juan  
Location 1980 ft. NE of N Line and 660 ft. EW of E Line of Sec. 14 Elevation 6376 KB  
(Draw a line from station to corner)

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 \_\_\_\_\_ Original signed by  
 B. W. SHEPARD

Date December 7, 1952 Title Exploitation Engineer

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

Commenced drilling November 2, 1959 Finished drilling November 11, 1959

### OIL OR GAS SANDS OR ZONES

**gross** (Denote gas by G)

|                                        |                            |
|----------------------------------------|----------------------------|
| No. 1, from <u>1860</u> to <u>1964</u> | 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

[illegible]

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 2-5/8       | 104       | 100                    | Displacement |             |                    |
| 4-1/2       | 5033      | 150                    | "            |             |                    |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |

## PLUGS AND ADAPTERS

|                       |        |           |
|-----------------------|--------|-----------|
| Heaving plug—Material | Length | Depth set |
| Adapters—Material     | Size   |           |

## SHOOTING RECORD

| <b>Size</b> | <b>Shell used</b> | <b>Explosive used</b> | <b>Quantity</b> | <b>Date</b> | <b>Depth shot</b> | <b>Depth cleaned out</b> |
|-------------|-------------------|-----------------------|-----------------|-------------|-------------------|--------------------------|
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |

## TOOLS USED

Rotary tools were used from 0 feet to 5035 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

## DATES

December 7, 1959 Put to producing November 29, 1959  
The production for the first 24 hours was 157 barrels of fluid of which 97.2 % was oil; %  
emulsion; % water; and 2.8 % sediment. Gravity. °Be. Apper. 100 API

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

Rock pressure, lbs. per sq. in. \_\_\_\_\_

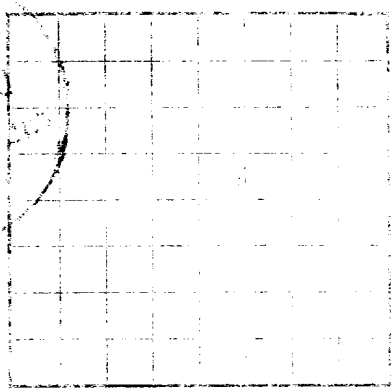
## EMPLOYEES

| EMPLOYEES      |  | Brinkerhoff Drilling Company |
|----------------|--|------------------------------|
| ....., Driller |  | ....., Driller               |
| ....., Driller |  | ....., Driller               |

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION       |
|-------|------|------------|-----------------|
| 1220  | 1397 | 177        | Pictured Cliffs |
| 1397  | 1566 | 169        | Lewis           |
| 1566  | 2052 | 486        | Cliff House     |
| 2052  | 3673 | 1626       | Allison-Menefee |
| 3678  | 3845 | 167        | Point Lookout   |
| 3845  | 4764 | 919        | Mancos          |
| 4764  | --   | -          | Gallup          |

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LOG OF OIL OR GAS WELL

Company Name \_\_\_\_\_  
Address \_\_\_\_\_  
Field \_\_\_\_\_  
State \_\_\_\_\_  
County \_\_\_\_\_  
Location \_\_\_\_\_  
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 \_\_\_\_\_  
Title \_\_\_\_\_

The summary on this page is for the condition of the well at above date.  
Commenced drilling \_\_\_\_\_  
Finished drilling \_\_\_\_\_

OIL OR GAS SANDS OR ZONES

No. 1 from \_\_\_\_\_ to \_\_\_\_\_  
No. 2 from \_\_\_\_\_ to \_\_\_\_\_  
No. 3 from \_\_\_\_\_ to \_\_\_\_\_  
No. 4 from \_\_\_\_\_ to \_\_\_\_\_  
No. 5 from \_\_\_\_\_ to \_\_\_\_\_  
No. 6 from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1 from \_\_\_\_\_ to \_\_\_\_\_  
No. 2 from \_\_\_\_\_ to \_\_\_\_\_  
No. 3 from \_\_\_\_\_ to \_\_\_\_\_  
No. 4 from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

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 bailing.

HISTORY OF OIL OR GAS WELL

| FORMATION RECORD                |                   |                   |                     |
|---------------------------------|-------------------|-------------------|---------------------|
| FORMATION                       | TO-<br>TOTAL FEET | TO-<br>TOTAL FEET | FROM-<br>TOTAL FEET |
| FORMATION RECORD                |                   |                   |                     |
| EMPLOYEES                       |                   |                   |                     |
| DATES                           |                   |                   |                     |
| TOOLS USED                      |                   |                   |                     |
| SHOOTING RECORD                 |                   |                   |                     |
| PLUGS AND ADAPTERS              |                   |                   |                     |
| MUDLOGGING AND CEMENTING RECORD |                   |                   |                     |

DRILLING REPORT  
FOR PERIOD ENDING

Bisti

(FIELD)

San Juan New Mexico

(COUNTY)

11-16-59

14

(SECTION OR LEASE)

T25N

R12W

(TOWNSHIP OR RANCHO)

| DAY                 | DEPTHS       |      | REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|--------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | FROM         | TO   |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                     |              |      | <p>Location: 1980' S and 660' W of NE Corner, Section 14, T25N, R12W, NMPM, San Juan County, New Mexico</p> <p>Elevations: DF 6374.8'<br/>GR 6367.1'<br/>KB 6376.3'</p>                                                                                                                                                                                                                                                             |
| 11-9<br>to<br>11-10 | 0            | 2061 | Spudded 6:15 P.M., 11-9-59. Ran and cemented (95') 8-5/8", 24#, J-55 casing at 104' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Pressure tested casing and BOP with 700 psi, OK.                                                                                                                                                                                                               |
| 11-11               | 2061         | 5035 | <u>Drilled 2974'</u>                                                                                                                                                                                                                                                                                                                                                                                                                |
| 11-16               | 5035<br>(TD) |      | <p>Ran and cemented (5024') 4-1/2", 9.5#, J-55 casing at 5033' with 150 sacks cement treated with 4% gel. Displaced with oil. Final pressure 1800 psi. Released rig 12:45 P.M., 11-16-59.</p> <p>Checked BOP daily</p> <p>Mud Summary</p> <p>Wt 9.3-9.8 #/gal.</p> <p>vis 44-120 sec</p> <p>WL 5.4 - 7 cc</p> <p>FC 1-2/32"</p> <p>Contractor: Brinkerhoff Drilling Co.</p> <p>Drillers: J. Speaker<br/>E. Babcock<br/>W. Black</p> |

| CONDITION AT BEGINNING OF PERIOD |      |    |             |           |
|----------------------------------|------|----|-------------|-----------|
| HOLE                             |      |    | CASING SIZE | DEPTH SET |
| SIZE                             | FROM | TO |             |           |
|                                  |      |    |             |           |
| DRILL PIPE SIZES                 |      |    |             |           |

M. W. McGarry

SIGNED