

[illegible]

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JUL 1 1959  
OIL CON. COM.  
DIST. 3  
DEPA

U. S. LAND OFFICE Santa Fe, N.M.  
SERIAL NUMBER \_\_\_\_\_  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED

JUN 3 9 1953

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO  
S. WELL

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company Shell Oil Company Address 705 West Municipal Drive, Farmington,  
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico  
Well No. 31-14 Sec. 24 T. 25N R. 12W Meridian 114M County San Juan  
Location 660 ft. N. of N. Line and 1980 ft. E. of E. Line of Sec. 14 Elevation 6404 KB  
(Derrick floor relative to sea level)

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

Signed \_\_\_\_\_  
R. S. Mac ALISTER, JR.

Date June 17, 1959 Title Division Exploitation  
Engineer

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

Commenced drilling May 14 \_\_\_\_\_, 1959      Finished drilling May 21 \_\_\_\_\_, 1959

### OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

No. 1, from 4888 gross to 5012 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. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, 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 |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 8 5/8"      | 108       | 100                    | Displacement | —           | —                  |
| 4 1/2"      | 5035      | 150                    | "            | —           | —                  |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |
|             |           |                        |              |             |                    |

## 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 0 feet to 5040 feet, and from - feet to - feet  
Cable tools were used from - feet to - feet, and from - feet to - feet

## DATES

-----June 17,-----, 1959----- Put to producing -----June 1-----, 19 59-----

The production for the first 24 hours was 268 barrels of fluid of which 99.6% was oil; -----% emulsion; -----% water; and 0.4% sediment. Gravity, 84 40° API (approx)

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 Co. |
|------------|---------|--------------------------|
| J. Speaker | Driller | H. Babcock               |
| C. Adams   | Driller |                          |

## FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION         |
|-------|------|------------|-------------------|
| 1253  | 1432 | 179        | Pictured Cliffs   |
| 1432  | 1605 | 173        | Lewis             |
| 1605  | 2081 | 476        | Cliff House       |
| 2081  | 3695 | 1614       | Allison - Menefee |
| 3695  | 3878 | 183        | Point Lookout     |
| 3878  | 4790 | 912        | Mancos            |
| 4790  | -    | -          | Gallup            |



SHELL OIL COMPANY

Carson Unit  
 WELL NO. 31-14

DRILLING REPORT

FOR PERIOD ENDING

Bisti

(FIELD)

San Juan, N. M.

(COUNTY)

5-22-59

14

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANCHO)

| DAY          | DEPTHS    |      | REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------|-----------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | FROM      | TO   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|              |           |      | <p>Location: 660'S and 1980'W of NE Corner Section 24, T25N, R12W, NMPM, San Juan County, New Mexico</p> <p>Elevations: DF 6402.0'<br/>           GR 6394.5'<br/>           KB 6403.5'</p>                                                                                                                                                                                                                                                                                                                                             |
| 5-14 to 5-15 | 0         | 1819 | Spudded 12:15 P.M. 5-14-59. Ran and cemented (99') 8-5/8" 24#, J-55 casing at 108' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.                                                                                                                                                                                                                                                                                  |
| 5-16 to 5-21 | 1819      | 5040 | <u>Drilled 3221'.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5-22         | 5040 (TD) |      | <p>Ran Electrical survey and Microlog. Ran and cemented (5026') 4-1/2", 9.5#, J-55 casing at 5035' with 150 sacks cement. Displaced with oil. Released rig 2:30 P.M. 5-22-59.</p> <p>Checked BOP daily<br/>           Mud Summary<br/>           wt 9.6 - 9.7 #/gal.<br/>           vis 57 - 65 sec.<br/>           WL 6.2 - 8 cc<br/>           FC 2/32</p> <p>Contractor: Brinkerhoff Drilling Co.<br/>           Driller: J. Speaker<br/>           C. Adams<br/>           E. Babcock<br/>           Co. Pusher: R. I. Alberts</p> |

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

M. W. McGarry

SIGNED

BY DR. VERNER

SIGNED

