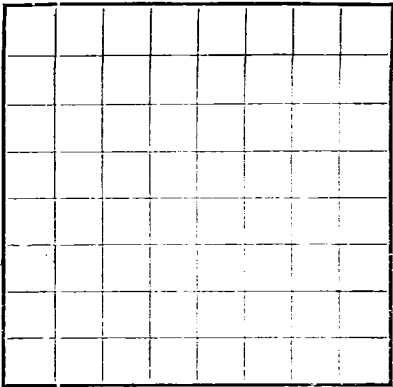




LOCATE WELL CORRECTLY

5 - C. & G.  
1 - Bville  
1 - Div  
1 - Pile

U. S. LAND OFFICE  
SERIAL NUMBER 078740  
LEASE OR PERMIT TO PROSPECT  
San Juan Unit 3-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Co. Address Box 939, Aztec, N.M.  
Lessor or Tract \_\_\_\_\_ Field Blanco State New Mexico  
Well No. Hess 2-29 Sec 29 T. 30N R. 5E Meridian N.M.P.M. County Sio Arriba  
Location 900 ft. N of N Line and 1045 ft. W of E Line of Section 29 Elevation 6762  
(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 Earl Stum

Date December 29, 1954 Title Dist. Supt.

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

Commenced drilling 12-1-52, 19\_\_\_\_ Finished drilling 1-17-54, 19\_\_\_\_

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3330 to 3620 No. 4, from 5640 to 5715  
No. 2, from 3620 to 3710 No. 5, from 5715 to 5912  
No. 3, from 3710 to 3835 No. 6, from 5912 to 6235

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 | Purported To | Purpose |
|-------------|-----------------|------------------|-------|--------|--------------|---------------------|--------------|---------|
| 10-3/4"     | 21.63           | J                | Amoco | 152'   | Baker        |                     |              |         |
| 8"          | 23.1            | 8.2              | J-55  | 1636'  | Baker        |                     |              |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10-3/4"     | 175'      | 150 sx                 | Halliburton |             |                    |
| 8"          | 5641'     | 50 sx (2 stages)       | Halliburton |             |                    |

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 |
|----------|------------|----------------|----------|----------|---------------------|-------------------|
| not well | 407 ft. of | shot from      | 6290'    | to 5695' | using a double time |                   |

TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to 6290' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

7-18-54, 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 432.4 MCF Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 847 P. ON C&G  
898 ITP EMPLOYEES

J. J. Mann - lease foreman \_\_\_\_\_ Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION                                    |
|-------|------|------------|----------------------------------------------|
| 0     | 3000 | 3000       | Shales and sand - - - - - Tertiary           |
| 3000  | 3330 | 330        | Sandy shale & interbedded shale              |
| 3330  | 3620 | 290        | and sand - - - - - Kirtland                  |
| 3620  | 3710 | 90         | Interbedded sand, shale, coal - Fruitland    |
| 3710  | 3835 | 125        | Sandstone - - - - - Upper P.C.               |
| 3835  | 5640 | 1805       | Sandstone, some shale - - - - - Lower P.C.   |
|       |      |            | Dark shales, some sand in middle             |
|       |      |            | and lower part - - - - - Lewis shale         |
| 5640  | 5715 | 75         | Calcareous sandstone, some shale Cliff House |
| 5715  | 5912 | 197        | Carbonaceous shale, sandstone                |
|       |      |            | coal - - - - - Cliff House                   |
| 5912  | 6235 | 323        | Sandstone, interbedded shale - Point Lookout |
| 6235  |      |            | Top Mancos                                   |

6290 TD

**FORMATION RECORD—Continued**

[illegible]

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

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