

U. S. LAND OFFICE Santa Fe, N. M.  
SERIAL NUMBER LF 078067  
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

## LOCATE WELL CORRECTLY

Company Hall Oil Company Address 721 Municipal Drive, El Paso  
 Lessor or Tract Federal - Carson Unit Field Histi State New Mexico  
 Well No 22-11 Sec. 11 T25N R11E Meridian NMP County El Paso  
 Location 12 ft. N of N Line and 980 ft. E of W Line of 11 Line of 11 Elevation 2220 ft.  
 (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 \_\_\_\_\_ Original signed by  
B. W. SHEPARD

Date November 3, 1946 Title Exploitation Mine

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

Commenced drilling October 13, 1944 Finished drilling October 14, 1944

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

gross  
(Denote gas by  $G$ )

|                                                                                                    |                                                                                        |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| No. 1, from <u>4010</u> to <u>5012</u><br>No. 2, from _____ to _____<br>No. 3, from _____ to _____ | No. 4, from _____ to _____<br>No. 5, from _____ to _____<br>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 7/8"      | 107'      | 100                    | isolation cement |             |                    |
| 7 1/2"      | 906'      | 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 5050 feet, and from 0 feet to 0 feet

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

## DATES

-----, 19----- Put to producing -----, 19-----  
~~November 3~~ The production for the first 24 hours was ----- barrels of fluid of which -----% was oil; -----%  
 emulsion; -----% water; and -----% sediment. Gravity, -----  
 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 |         | EMPLOYEES                |         |
|-----------|---------|--------------------------|---------|
| J. Barker | Driller | Brinkerhoff Brilling Co. | Driller |
| G. Adams  | Driller | Babcock                  | Driller |

## FORMATION RECORD

| FORMATION RECORD |      |            |                  |
|------------------|------|------------|------------------|
| FROM--           | TO-- | TOTAL FEET | FORMATION        |
| 1220             | 1407 | 187        | Pictured Cliffs  |
| 1407             | 1608 | 201        | Lewis            |
| 1608             | 2075 | 467        | Cliff House      |
| 2075             | 3734 | 1659       | Allison - Unofee |
| 3734             | 3848 | 114        | Point Lookout    |
| 3848             | 4815 | 927        | Hances           |
| 4815             | --   | --         | Bellu.           |

[OVER]

16--42094-4

**FORMATION RECORD—Continued**

[illegible]

# HISTORY OF OIL OR GAS WELL

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.

Attached: Drilling History

SHELL OIL COMPANY

CARSON UNIT

WELL NO. 22-11

## DRILLING REPORT

FOR PERIOD ENDING

10-20-58

East

(FIELD)

San Juan, New Mexico

(COUNTY)

11

(SECTION OR LEASE)

T 25N R12W

(TOWNSHIP OR RANGHO)

| DAY                  | DEPTHS |      | REMARKS                                                                                                                                                                                                                                                            |
|----------------------|--------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | FROM   | TO   |                                                                                                                                                                                                                                                                    |
|                      |        |      | Location: 1960' S and 1980' E of NW corner Sec. 11,<br>T25N, R12W, NMPM, San Juan County, New Mexico                                                                                                                                                               |
|                      |        |      | Elevations: DF 6359.7<br>GR 6352.1<br>KB 6360.9                                                                                                                                                                                                                    |
| 10-17<br>to<br>10-18 | 0      | 2390 | Spudded 9:40 A.M. 10-13-58. Ran and cemented (97')<br>8 5/8" 24#, J-55 casing at 107' with 100 sacks cement<br>treated with 2% calcium chloride. Good returns to<br>surface. Flanged up and waited on cement. Pressure<br>tested casing and BOP with 500 psi., OK. |
| 10-18<br>to<br>10-19 | 2390   | 2468 | Drilled 2468'                                                                                                                                                                                                                                                      |
| 10-19                | 4858   | 5060 | Drilled 202' Ran Electrical Survey and Microlog.                                                                                                                                                                                                                   |
| 10-20                | 5060   | TD   | Ran and cemented (5043') 4 1/2", 9.5#, J-55 casing at<br>5053' with 150 sacks cement treated with 4% gel. displaced<br>with oil. Released rig 8:00 A.M. 10-20-58                                                                                                   |
|                      |        |      | Checked BOP daily                                                                                                                                                                                                                                                  |
|                      |        |      | Mud Summary<br>Wt. 9.3-9.8 #/gal.<br>Vis. 42-70 sec.<br>WL 6.2-7.8<br>FC 2/32                                                                                                                                                                                      |
|                      |        |      | Drillers: J. Speaker<br>C. Adams<br>E. Babcock                                                                                                                                                                                                                     |
|                      |        |      | Co. Pusher: R. I. Alberts                                                                                                                                                                                                                                          |

## CONDITION AT BEGINNING OF PERIOD

| HOLE                |      |    | CASING SIZE | DEPTH SET |
|---------------------|------|----|-------------|-----------|
| SIZE                | FROM | TO |             |           |
|                     |      |    |             |           |
| DRILL PIPE<br>SIZES |      |    |             |           |

C. BREWER

SHELL OIL COMPANY

CARSON UNIT

WELL NO. 22-11

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

## DRILLING REPORT

FOR PERIOD ENDING

10-31-58

11

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANGE)

| DAY                  | DEPTH        |            | REMARKS                                                                                                                                                                                                                                                                                 |
|----------------------|--------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | FROM         | TO         |                                                                                                                                                                                                                                                                                         |
| 10-21                | 5060<br>5049 | TD<br>PBTD | Bullet perforated four ½" holes/ft. 4918 to 4950, 4984 to 4998, 5002 to 5012. Made 12 hour pressure survey.                                                                                                                                                                             |
| 10-22                |              |            | Spotted 200 gals. mud acid on perforations. Sand oil fractured with 50,000 gal crude, 1#/gal sand, and 160 nylon core balls. Break down pressure 2700 psi, maximum pressure 2900 psi, minimum pressure 2700 psi. (Core balls increased pressure 200 psi.) Flushed with 160 bbls. crude. |
| 10-23                |              |            | Tried to bleed off well - flowed 120 bbls. load oil.                                                                                                                                                                                                                                    |
| 10-24<br>to<br>10-25 |              |            | Cleaned out frac sand from 4975 to 5015, well flowed through casing with bailer in hole. Flowed 24 hours -- 600 bbls load and frac oil.                                                                                                                                                 |
| 10-26                |              |            | Killed well, ran tubing to 4944', ran pump and rods.                                                                                                                                                                                                                                    |
| 10-27<br>to<br>10-30 |              |            | Pumped and recovered 543 bbls. frac oil.                                                                                                                                                                                                                                                |
| 10-31                |              |            | INITIAL PRODUCTION<br>Pumped 24 hours, 211 B/D gross, 211 B/D clean, cut 0.2%, Gas 86 MCF/D, GOR 480. Completed 10-31-58.                                                                                                                                                               |

| CONDITION AT BEGINNING OF PERIOD |      |      |             |           |
|----------------------------------|------|------|-------------|-----------|
| HOLE                             |      |      | CASING SIZE | DEPTH SET |
| SIZE                             | FROM | TO   |             |           |
| 12 ¼"                            | 0    | 115  | 8 5/8"      | 107'      |
| 7 7/8"                           | 115  | 5060 | 4 1/2"      | 5053'     |
| DRILL PIPE SIZES                 |      |      | 4 ½"        |           |

C. BREMER