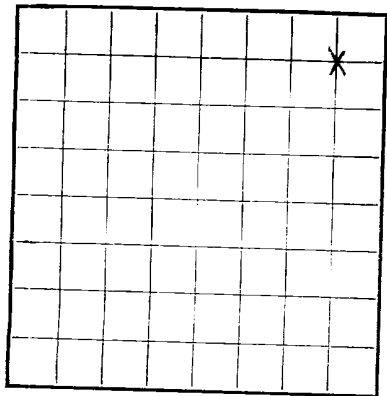




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces  
SERIAL NUMBER 10-032099b  
LEASE OR PERMIT TO PROSPECT 10-032099b

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 427, Hobbs, New Mexico  
Lessor or Tract Lockhart B-23 Field Armadillo State New Mexico  
Well No. 6 Sec. 2E T. 21 R. 36 Meridian ... County ...  
Location 660 ft. N. of ... Line and 160 ft. E. of ... Line of ... Elevation 3567  
(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 [Signature]

Date 5-9-58 Title District Superintendent

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

Commenced drilling 4-6-58, 1958 Finished drilling 5-9-58, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3123 to 3571 No. 4, from ... to ...  
No. 2, from 3326 to 3902 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

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose |
|-------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|---------|
|             |                 |                  |      |        |              |                     | From—      | To— |         |
| 8-5/8       | 24              | 10V              | J-55 | 347    | ...          | ...                 | ...        | ... | ...     |
| 5-1/2       | 14              | 8V               | J-40 | 3,449  | ...          | ...                 | ...        | ... | ...     |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |
|             |                 |                  |      |        |              |                     |            |     |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 8-5/8       | 349       | 250                    | ...         | ...         | ...                |
| 5-1/2       | 1949      | 570                    | ...         | ...         | ...                |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |
|             |           |                        |             |             |                    |

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 ... feet to 350 feet, and from ... feet to ... feet  
Cable tools were used from ... feet to ... feet, and from ... feet to ... feet

DATES

5-9, 1958 Put to producing 7-10, 1958  
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 ... Gallons gasoline per 1,000 cu. ft. of gas ...

FOLD | MARK

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 cymnammied, 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

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

LOCKHART E-28 NO. 6: TD. 3850'. Zone. 39' 10'. Oil - Queen pay 3826-3900. Gas - 3123-3674. Csg. pt. 1949'. Oil pays 3826-32, 3841-47, 3858-64, 3869-73, 3896-3900. On initial potential /F/ 82 bbls. 36 deg. oil 1 bbls. water in 24 hrs thru 32/64" choke. TP 225 w/97% MCFGPD, GOR 11,825. Daily pot. 82 BO. Est. daily allow. 35 BO. Treated w/1500 gal acid, 13,840 gals. lease crude w/1# sand and .01# admite /gal. PL Conn. - Texas-New Mexico Pipe Line co. Gas completion - pay - Dumont, Perfs 3123-3674 at 29 intervals w/2 jet shots per ft. Calc. open flow pot. 51,000 MCFGPD. Del. at 600 lbs psig. is 32,500 MCFGPD, and at 100 lbs psig is 50,500 MCFGPD. Sip 1015.2 lbs psia. Est. allow 212 MCFGPD. Tested 8-6-58. PL Conn. El Paso Natural Gas Co. Treated w/2000 gal. acid, 21,000 gal. lease crude w/1# sand and .01# admite per gal. Drlg started 4-6-58. Completed 4-13-58. Tested 7-18-58.

TOPS: Anhydrite 1471, Salt 1550, E-Salt 2800, Yates 2964, Seven Rivers 3256, Queen 3580, Penrose 3707. Roy H. Smith sig released 4-19-58.