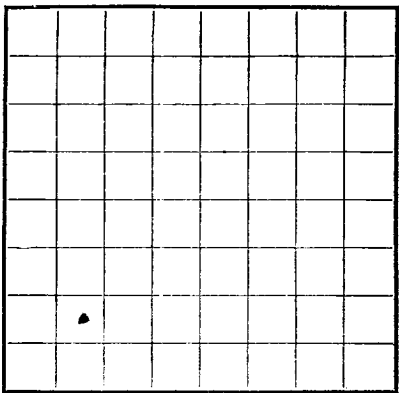


U. S. LAND OFFICE **Santa Fe**

SERIAL NUMBER **078931-B**

LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **The Bay Petroleum Corp.** Address **Box 957, Denver, Colorado**  
Lessor or Tract **Callow-Federal** Field **West Kutz** State **New Mexico**  
Well No. **4** Sec. **28** T. **29N. 13W** Meridian **NMPM** County **San Juan**  
Location **990** ft. **N** of **S** Line and **990** ft. **E** of **W** Line of **Sec. 28** Elevation **5835**  
(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 **P. H. Lay** Title **Pat Lay District Superintendent**

Date **March 3, 1954**

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

Commenced drilling **2-4-54**, 19..... Finished drilling **2-16-54**, 19.....

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1551** to **1576** **G** 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**

| 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              | 8                | Nat'l. | 103    | Guide        |                     |            |     | Surface Production |
| 5-1/2       | 14              | 8                | CPI    | 1546   | Float        |                     |            |     |                    |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud grade | Amount of mud used |
|-------------|-----------|------------------------|-------------|-----------|--------------------|
| 8-5/8       | 112       | 80                     | Howco       | 9         | Circ.              |
| 5-1/2       | 1553      | 100                    | Howco       | 9         | Filled             |

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 |
|------|------------|----------------|----------|------|------------|-------------------|
| 4    | Yes        | Atlas          | 40       | 2/12 | 1561-76    | 1576              |

TOOLS USED

Rotary tools were used from **0** feet to **1553** feet, and from ..... feet to ..... feet

Cable tools were used from **1553** feet to **1576** feet, and from ..... feet to ..... feet

DATES

**Comp: 2-16**, 19**54** Put to **Potential** **2-23**, 19**54**

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 **627** Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. **419** **S. I. for hook up.**

EMPLOYEES

**Greer-Smith** ..... Driller ..... Driller  
**Benson-Montin** ..... Driller ..... Driller

FORMATION RECORD

| FROM— | TO—  | TOTAL FEET | FORMATION             |
|-------|------|------------|-----------------------|
|       |      |            | No Electric Log Run.  |
| 1551  | 1576 | 24         | Pictured Cliffs Sand. |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

[illegible]

100-443887-100

The statement on this page is for the condition of the wall above.

\_\_\_\_\_

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

(c) and (d) are (T).

Spurred well 2-4-54. Drilled 13" hole to 125'. Set 8-5/8" casing @ 112' w/80 sx. cement. Tested casing and cement w/400# OK. Drilled 7-7/8" hole to 1553'. Set 9-1/2" casing @ 1553' w/100 sx. Moving off rotary. M. I. C. T. Tested casing w/500# 30 min. OK. Drilled cement and shoe. Tested for water 4 hours OK. Drilled sand to 1576'. Well producing 400 MCF. Killed and shot 1561-76 w/40 GSNG, cleaned out. Well producing 530 MCF. Ran 1" siphon to 1570'. 168/180. Potential 627 MCF. SIP 419#. Shut in waiting on gas connection.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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 piers or bridges were put in to test for water, state kind of material used, position, and results of pumping or draining.

# HISTORY OF OIL OR GAS WELL

DISPATCHED BY TELETYPE

[illegible]

SHOOTING RECORD

| Case | Shell used | Explosive used | Quantity | Time  | Location | Person involved |
|------|------------|----------------|----------|-------|----------|-----------------|
|      |            | ANFO           |          | 10:30 | 1000 ft  | 1000 ft         |

DEBU 2100T

|     |         |               |     |         |               |
|-----|---------|---------------|-----|---------|---------------|
| 1st | to test | from and from | 1st | to test | from and from |
| 2nd | to test | from and from | 2nd | to test | from and from |

227AD

|                                                                                                                                                       |                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| The production for the first 24 hours was<br>of which: water and sediment<br>17 gal. water and 15 gal. sediment<br>17 gal. water and 15 gal. sediment | The production for the first 24 hours was<br>of which: water and sediment<br>17 gal. water and 15 gal. sediment<br>17 gal. water and 15 gal. sediment |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

CONFIDENTIAL

[illegible]