

U. S. LAND OFFICE ~~Santa Fe~~  
SERIAL NUMBER ~~BF 078464~~  
LEASE OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

[illegible]

**LOCATE WELL CORRECTLY**

# LOG OF OIL OR GAS WELL

Company ~~Colorado Western Exploration~~ Inc. Address ~~312 U.S. Nat'l Bank Bldg.~~ Denver, ~~Colo.~~  
Lessor or Tract ~~Government Center~~ Field ~~Blanco~~ State ~~New Mexico~~  
Well No. ~~1-24~~ Sec. ~~24~~ T~~31~~N. R. ~~13~~W Meridian ~~14~~PM County ~~San Juan~~  
Location ~~790~~ ft. {N. } of ~~5~~ Line and ~~1690~~ ft. {E. } of ~~W~~ Line of Sec. ~~24~~ Elevation ~~5817~~  
(Don't lose original)

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 Chas. H. ...

Date December 13, 1987 C. R. Garmon Area Superintendent

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

Commenced drilling October 11-----, 1957. Finished drilling November 2-----, 1957.

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

G No. 1, from ~~4404~~ to ~~4815~~ 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. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, 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 |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 10 3/4      | 214       | 225                    | Circulated  | Water       | 20 bbls            |
| 7           | 4994      | 150 w/ 61 3el          | Plugs       | Water       | 200 bbls           |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

[illegible]

## SHOOTING RECORD

| <b>Size</b> | <b>Shell used</b> | <b>Explosive used</b> | <b>Quantity</b> | <b>Date</b> | <b>Depth shot</b> | <b>Depth cleaned out</b> |
|-------------|-------------------|-----------------------|-----------------|-------------|-------------------|--------------------------|
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |
|             |                   |                       |                 |             |                   |                          |

## TOOLS USED

Rotary tools were used from 0 feet to 5775 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

November 10., 1957 Put to producing waiting machine, 1957

The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. -----

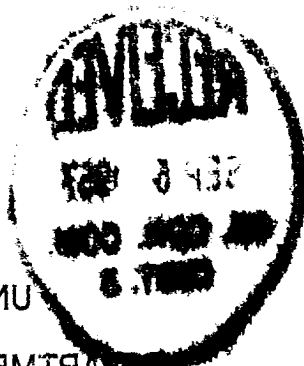
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 0.75 surface of top seven days

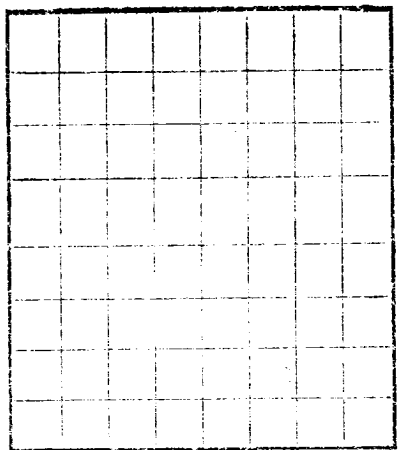
972 Surface after seven days

## FORMATION RECORD

| FROM—                                                 | TO—              | TOTAL FEET         | FORMATION            |
|-------------------------------------------------------|------------------|--------------------|----------------------|
| See Welex Radioactivity log for stratigraphic section |                  |                    |                      |
| <u>Formation Tops:</u>                                |                  |                    | <u>Perforations:</u> |
| Pictured Cliffs                                       | 2074'            | (+3743)            | 4404' - 4414'        |
| Mesa Verde                                            | 3658'            | (+2159)            | 4424' - 4544'        |
| Cliff House                                           | 3736'            | (+2081)            | 4570' - 4590'        |
| Menefee                                               | 3904'            | (+1913)            | 4603' - 4617'        |
| <del>XXXXXXXXXXXX</del>                               | <del>4228'</del> | <del>XXXXXXX</del> | 4631' - 4640'        |
| Point Lookout                                         | 4460'            | (+1357)            | 4644' - 4660'        |
| Mancos                                                | 4838'            | (+ 979)            | 4669' - 4673'        |
| Greenhorn                                             | 6478'            | (- 661)            | 4675' - 4684'        |
| Dakota                                                | 6610'            | (- 793)            | 4706' - 4728'        |
|                                                       |                  |                    | 4805' - 4815'        |
| TD 6375                                               |                  |                    |                      |
| 1/2 TD 4970                                           |                  |                    |                      |

[illegible]

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LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

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 \_\_\_\_\_

Location at S. [ ] N. [ ] E. [ ] of Line of [ ] of [ ]

Well No. [ ] Sec. [ ] Twp. [ ] R. [ ]

Lessor or Trust [ ] Field [ ] State [ ] County [ ]

Address [ ]

The summary on this page is for the condition of the well as above stated.

Completed drilling instructions for the well are attached to this report.

1971

WELL OR GAS SANDS OR LOMES

No. 8 from ..... to ..... No. 6 from ..... to .....  
No. 7 from ..... to ..... No. 5 from ..... to .....  
No. 4 from ..... to ..... No. 4 from ..... to .....  
..... (Dissolved gas by G)

IMPORTANT WATER SAVING

|                    |            |                    |            |
|--------------------|------------|--------------------|------------|
| ..... $\phi$ ..... | mod $5.0Z$ | ..... $\psi$ ..... | mod $1.0Z$ |
| ..... $\phi$ ..... | mod $4.0Z$ | ..... $\psi$ ..... | mod $3.0Z$ |

### CREATING RECORDS

| Weight<br>per foot | Threads per<br>inch | Grade | Aluminum | Weld of steel | Weld of galvanized steel | Purpose |
|--------------------|---------------------|-------|----------|---------------|--------------------------|---------|
| 10                 | 10                  | A-1   |          |               |                          |         |
| 12                 | 12                  | A-1   |          |               |                          |         |
| 14                 | 14                  | A-1   |          |               |                          |         |
| 16                 | 16                  | A-1   |          |               |                          |         |
| 18                 | 18                  | A-1   |          |               |                          |         |
| 20                 | 20                  | A-1   |          |               |                          |         |
| 22                 | 22                  | A-1   |          |               |                          |         |
| 24                 | 24                  | A-1   |          |               |                          |         |
| 26                 | 26                  | A-1   |          |               |                          |         |
| 28                 | 28                  | A-1   |          |               |                          |         |
| 30                 | 30                  | A-1   |          |               |                          |         |
| 32                 | 32                  | A-1   |          |               |                          |         |
| 34                 | 34                  | A-1   |          |               |                          |         |
| 36                 | 36                  | A-1   |          |               |                          |         |
| 38                 | 38                  | A-1   |          |               |                          |         |
| 40                 | 40                  | A-1   |          |               |                          |         |
| 42                 | 42                  | A-1   |          |               |                          |         |
| 44                 | 44                  | A-1   |          |               |                          |         |
| 46                 | 46                  | A-1   |          |               |                          |         |
| 48                 | 48                  | A-1   |          |               |                          |         |
| 50                 | 50                  | A-1   |          |               |                          |         |
| 52                 | 52                  | A-1   |          |               |                          |         |
| 54                 | 54                  | A-1   |          |               |                          |         |
| 56                 | 56                  | A-1   |          |               |                          |         |
| 58                 | 58                  | A-1   |          |               |                          |         |
| 60                 | 60                  | A-1   |          |               |                          |         |
| 62                 | 62                  | A-1   |          |               |                          |         |
| 64                 | 64                  | A-1   |          |               |                          |         |
| 66                 | 66                  | A-1   |          |               |                          |         |
| 68                 | 68                  | A-1   |          |               |                          |         |
| 70                 | 70                  | A-1   |          |               |                          |         |
| 72                 | 72                  | A-1   |          |               |                          |         |
| 74                 | 74                  | A-1   |          |               |                          |         |
| 76                 | 76                  | A-1   |          |               |                          |         |
| 78                 | 78                  | A-1   |          |               |                          |         |
| 80                 | 80                  | A-1   |          |               |                          |         |
| 82                 | 82                  | A-1   |          |               |                          |         |
| 84                 | 84                  | A-1   |          |               |                          |         |
| 86                 | 86                  | A-1   |          |               |                          |         |
| 88                 | 88                  | A-1   |          |               |                          |         |
| 90                 | 90                  | A-1   |          |               |                          |         |
| 92                 | 92                  | A-1   |          |               |                          |         |
| 94                 | 94                  | A-1   |          |               |                          |         |
| 96                 | 96                  | A-1   |          |               |                          |         |
| 98                 | 98                  | A-1   |          |               |                          |         |
| 100                | 100                 | A-1   |          |               |                          |         |

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 falling of water.

## HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

| Case No. | Where met | Number each of common | Other birds | Water quality | Notes |
|----------|-----------|-----------------------|-------------|---------------|-------|
| 1        | 1000      | 1                     | 1           | 1             | 1     |
| 2        | 1000      | 1                     | 1           | 1             | 1     |
| 3        | 1000      | 1                     | 1           | 1             | 1     |
| 4        | 1000      | 1                     | 1           | 1             | 1     |
| 5        | 1000      | 1                     | 1           | 1             | 1     |
| 6        | 1000      | 1                     | 1           | 1             | 1     |
| 7        | 1000      | 1                     | 1           | 1             | 1     |
| 8        | 1000      | 1                     | 1           | 1             | 1     |
| 9        | 1000      | 1                     | 1           | 1             | 1     |
| 10       | 1000      | 1                     | 1           | 1             | 1     |

PLUGS AND ADAPTERS

|                       |        |          |
|-----------------------|--------|----------|
| Heaving plug—Aluminum | Length | 1.00 in. |
| Adapters—Aluminum     | Size   |          |

## SHOOTING RECORD

| Site | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

TOOLS USED

|                             |         |               |         |
|-----------------------------|---------|---------------|---------|
| Rotary tools were used from | feet to | feet and from | feet to |
| Cable tools were used from  | feet to | feet and from | feet to |

DATE

|                                                                                                         |                                                        |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| It gas well on the first 24 hours<br>of water and sediment<br>The production for the first 24 hours was | Put to producing<br>parts of fluid of which<br>was oil |
| Gallons gasoline per 1000 cu ft. of gas<br>Gravity, sp. gr.                                             | Put to producing<br>parts of fluid of which<br>was oil |

## EMPLOYEES

[illegible]

FORMATION RECORD

| FROM - | TO - | TOTAL TEST | FORMATION |
|--------|------|------------|-----------|
| 0      | 0    | 0          | 0         |
| 1      | 1    | 1          | 1         |
| 2      | 2    | 2          | 2         |
| 3      | 3    | 3          | 3         |
| 4      | 4    | 4          | 4         |
| 5      | 5    | 5          | 5         |
| 6      | 6    | 6          | 6         |
| 7      | 7    | 7          | 7         |
| 8      | 8    | 8          | 8         |
| 9      | 9    | 9          | 9         |
| 10     | 10   | 10         | 10        |
| 11     | 11   | 11         | 11        |
| 12     | 12   | 12         | 12        |
| 13     | 13   | 13         | 13        |
| 14     | 14   | 14         | 14        |
| 15     | 15   | 15         | 15        |
| 16     | 16   | 16         | 16        |
| 17     | 17   | 17         | 17        |
| 18     | 18   | 18         | 18        |
| 19     | 19   | 19         | 19        |
| 20     | 20   | 20         | 20        |
| 21     | 21   | 21         | 21        |
| 22     | 22   | 22         | 22        |
| 23     | 23   | 23         | 23        |
| 24     | 24   | 24         | 24        |
| 25     | 25   | 25         | 25        |
| 26     | 26   | 26         | 26        |
| 27     | 27   | 27         | 27        |
| 28     | 28   | 28         | 28        |
| 29     | 29   | 29         | 29        |
| 30     | 30   | 30         | 30        |
| 31     | 31   | 31         | 31        |
| 32     | 32   | 32         | 32        |
| 33     | 33   | 33         | 33        |
| 34     | 34   | 34         | 34        |
| 35     | 35   | 35         | 35        |
| 36     | 36   | 36         | 36        |
| 37     | 37   | 37         | 37        |
| 38     | 38   | 38         | 38        |
| 39     | 39   | 39         | 39        |
| 40     | 40   | 40         | 40        |
| 41     | 41   | 41         | 41        |
| 42     | 42   | 42         | 42        |
| 43     | 43   | 43         | 43        |
| 44     | 44   | 44         | 44        |
| 45     | 45   | 45         | 45        |
| 46     | 46   | 46         | 46        |
| 47     | 47   | 47         | 47        |
| 48     | 48   | 48         | 48        |
| 49     | 49   | 49         | 49        |
| 50     | 50   | 50         | 50        |
| 51     | 51   | 51         | 51        |
| 52     | 52   | 52         | 52        |
| 53     | 53   | 53         | 53        |
| 54     | 54   | 54         | 54        |
| 55     | 55   | 55         | 55        |
| 56     | 56   | 56         | 56        |
| 57     | 57   | 57         | 57        |
| 58     | 58   | 58         | 58        |
| 59     | 59   | 59         | 59        |
| 60     | 60   | 60         | 60        |
| 61     | 61   | 61         | 61        |
| 62     | 62   | 62         | 62        |
| 63     | 63   | 63         | 63        |
| 64     | 64   | 64         | 64        |
| 65     | 65   | 65         | 65        |
| 66     | 66   | 66         | 66        |
| 67     | 67   | 67         | 67        |
| 68     | 68   | 68         | 68        |
| 69     | 69   | 69         | 69        |
| 70     | 70   | 70         | 70        |
| 71     | 71   | 71         | 71        |
| 72     | 72   | 72         | 72        |
| 73     | 73   | 73         | 73        |
| 74     | 74   | 74         | 74        |
| 75     | 75   | 75         | 75        |
| 76     | 76   | 76         | 76        |
| 77     | 77   | 77         | 77        |
| 78     | 78   | 78         | 78        |
| 79     | 79   | 79         | 79        |
| 80     | 80   | 80         | 80        |
| 81     | 81   | 81         | 81        |
| 82     | 82   | 82         | 82        |
| 83     | 83   | 83         | 83        |
| 84     | 84   | 84         | 84        |
| 85     | 85   | 85         | 85        |
| 86     | 86   | 86         | 86        |
| 87     | 87   | 87         | 87        |
| 88     | 88   | 88         | 88        |
| 89     | 89   | 89         | 89        |
| 90     | 90   | 90         | 90        |
| 91     | 91   | 91         | 91        |
| 92     | 92   | 92         | 92        |
| 93     | 93   | 93         | 93        |
| 94     | 94   | 94         | 94        |
| 95     | 95   | 95         | 95        |
| 96     | 96   | 96         | 96        |
| 97     | 97   | 97         | 97        |
| 98     | 98   | 98         | 98        |
| 99     | 99   | 99         | 99        |
| 100    | 100  | 100        | 100       |