

**(SUBMIT IN TRIPLICATE)**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**Land Office** -----

Lease No. -----

Unit \_\_\_\_\_

## SUNDRY NOTICES AND REPORTS ON WELLS

|                                                |                                            |
|------------------------------------------------|--------------------------------------------|
| NOTICE OF INTENTION TO DRILL                   | SUBSEQUENT REPORT OF WATER SHUT-OFF        |
| NOTICE OF INTENTION TO CHANGE PLANS            | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF     | SUBSEQUENT REPORT OF ALTERING CASING       |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE        | SUBSEQUENT REPORT OF ABANDONMENT           |
| NOTICE OF INTENTION TO PULL OR ALTER CASING    | SUPPLEMENTARY WELL HISTORY                 |
| NOTICE OF INTENTION TO ABANDON WELL            |                                            |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. \_\_\_\_\_ is located \_\_\_\_\_ ft. from [N] line and \_\_\_\_\_ ft. from [E] line of sec. \_\_\_\_\_

[S]

[W]

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Section)

(Field) (County or Subdivision) (State of Kansas)

The elevation of the derrick floor above sea level is 120 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On May 4, 1951, shot well with 2370 quarts S. H. G. from 4900' to 5030'.

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Days after shot was 7,300 MCF/D in one hour.

**Prep to clean out after shot.**

**Total Depth 5030'**

**I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.**

Company SAN JUAN PRODUCTION COMPANY  
Address 1025 North Court Avenue  
Springfield, New Mexico

By E J Cost

By E. J. Coal  
Title Petroleum Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

|                                     |                                          |                                  |                                             |                                      |                                            |                                     |
|-------------------------------------|------------------------------------------|----------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------------|-------------------------------------|
| NOTICE OF INTENTION TO ABANDON WELL | NOTICE OF INTENTION TO SHOOT ON ADJACENT | SUBSEQUENT REPORT OF ABANDONMENT | SUBSEQUENT REPORT OF REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF ALTERING CASING | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | SUBSEQUENT REPORT OF WATER SHUT-OFF |
|-------------------------------------|------------------------------------------|----------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------------|-------------------------------------|

1. INDICATE ABOVE BY CHECK MARK NATURE OF REPORT: NOTICE OR OTHER DATA.

Well No. \_\_\_\_\_ is located \_\_\_\_\_ ft. from \_\_\_\_\_  
\_\_\_\_\_ line and \_\_\_\_\_ ft. from \_\_\_\_\_ line of sec.

[illegible]

At the level of the deck floor above sea level:

## DETAILS OF WORK

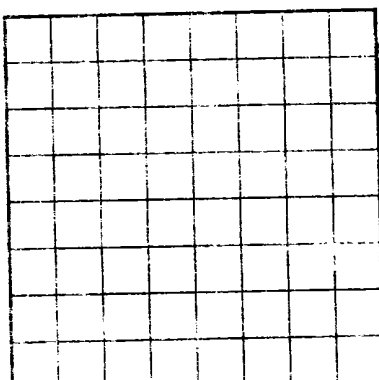
2019-2020

1. The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the land owned by the United States in the State of Nevada:

[illegible]

Title \_\_\_\_\_

By \_\_\_\_\_



# LOG OF OIL OR GAS WELL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LEAST NO. 1711 OF 1988

Этот же вопрос

SECRET AND S.S.

13817-21-278000-2000  
13817-21-278000-2000

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.

Location \_\_\_\_\_ ft. [N.] of \_\_\_\_\_ line and \_\_\_\_\_ ft. [W.] of \_\_\_\_\_ line of \_\_\_\_\_ Elevation \_\_\_\_\_

Well No. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_ Meridian \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

Company \_\_\_\_\_ Address \_\_\_\_\_

Completed drilling \_\_\_\_\_ 19 \_\_\_\_\_  
 The summary on this page is for the condition of the well at above date.  
 Title \_\_\_\_\_  
 signed \_\_\_\_\_

OIL OR GAS SANDS OR ZONES

(i) red zone closed.

**OIL OR GAS SANDS OR ZONES**

|             |    |             |    |
|-------------|----|-------------|----|
| No. 1, from | to | No. 4, from | to |
| No. 5, from | to | No. 3, from | to |
| No. 3, from | to | No. 6, from | to |

## IMPORTANT WATER SANDS

|          |            |          |            |
|----------|------------|----------|------------|
| ..... to | ..... from | ..... to | ..... from |
| ..... to | ..... from | ..... to | ..... from |

## CASHING RECORD

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

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 "detacked" 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.

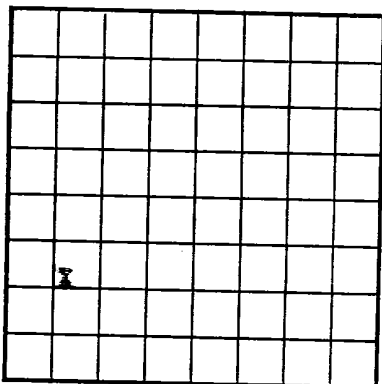
## HISTORY OF OIL OR GAS WELL

16-43084-1 U. S. GOVERNMENT PRINTING OFFICE

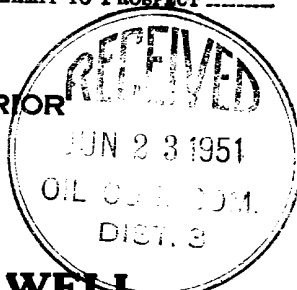
[illegible]

U. S. LAND OFFICE San JuanSERIAL NUMBER 67966-A

LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company San Juan Production Company Address 1021 E. Court, Farmington, N. Mex.  
Lessor or Tract Howell Field Blanco State New Mexico  
Well No. 4 Sec. 27 T. 28N R. 8E Meridian N. M. P. M. County San Juan  
Location 1550 ft. <sup>(N.)</sup> of 5 Line and 1050 ft. <sup>(E.)</sup> of 4 Line of Section 27 Elevation 6273'  
(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 \_\_\_\_\_

Title \_\_\_\_\_

Date June 30, 1951

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

Commenced drilling April 16, 1951 Finished drilling May 3, 1951

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4310 to 4326 (G) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 4326 to 4393 (G) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4393 to 5050 (G) No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 774 to 792 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— |            |
| 2 1/2"      | 8.5             | 8                | Howell | 300    | Howell       | 4310                |            |     | Production |
| 2 1/2"      | 8.5             | 8                | Howell | 300    | Howell       | 4326                |            |     | Production |
| 2 1/2"      | 8.5             | 8                | Howell | 300    | Howell       | 4393                |            |     | Production |
| 2 1/2"      | 8.5             | 8                | Howell | 300    | Howell       | 5050                |            |     | Production |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 2 1/2"      | 300       | 150                    | Single Stage |             |                    |
| 2 1/2"      | 4393      | 400                    | Two Stage    |             |                    |

## 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 |
|--------|------------|----------------|----------|------|------------|-------------------|
| 2 1/2" | 2 1/2"     | A.I.D.         | 2370     | 5-4  | 4380-5000  | 5090              |

## TOOLS USED

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

## DATES

June 10, 1951 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 1,400,000 Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. 1079

## EMPLOYEES

Williamson, Driller Love, Driller  
Bertis, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—         | TOTAL FEET | FORMATION                                                                       |
|-------|-------------|------------|---------------------------------------------------------------------------------|
| 0     | 803         | 803        | Sandstone interbedded w/gray shale.                                             |
| 803   | 1305        | 502        | Gray shale.                                                                     |
| 1305  | 1549        | 244        | Gray shale w/occasional thin sandstone streaks.                                 |
| 1549  | 1902        | 353        | Gray shale.                                                                     |
| 1902  | 2134        | 232        | Gray, fine grained sandstone w/thin gray shale str.                             |
| 2134  | 2367        | 233        | Gray shale w/occasional thin bedded sandstone.                                  |
| 2367  | 2555        | 188        | Gray, carbonaceous shale w/thin coal streaks.                                   |
| 2555  | 2734        | 179        | Sandstone (Top Pictured cliffs 2695).                                           |
| 2734  | 3602        | 868        | Gray shale.                                                                     |
| 3602  | 3618        | 16         | Coarse white, dense sandstone.                                                  |
| 3618  | 3720        | 102        | Gray, sandy shale.                                                              |
| 3720  | 3760        | 40         | Gray, shaly sandstone.                                                          |
| 3760  | 4225        | 465        | Gray shale.                                                                     |
| 4225  | 4310        | 85         | Sandy shale.                                                                    |
| 4310  | 4326        | 16         | Sandstone (Top Cliff House 4310).                                               |
| 4326  | 4382        | 56         | Sandstone (Top Manatee 4326).                                                   |
| 4382  | 4659        | 277        | Gray shale interbedded w/ sandstone & thin coal streaks.                        |
| 4659  | 4680        | 21         | White fine grained sandstone.                                                   |
| 4680  | 4893        | 213        | Gray shale interbedded w/sandstone & thin coal streaks.                         |
| 4893  | Total Depth |            | White fine grained sandstone interbedded w/gray shale (Top Point Lookout 4893). |

(OVER)

FORMATION RECORD—CONTINUED