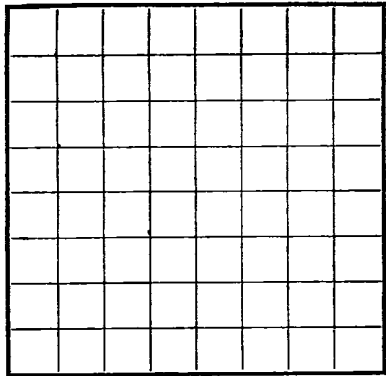
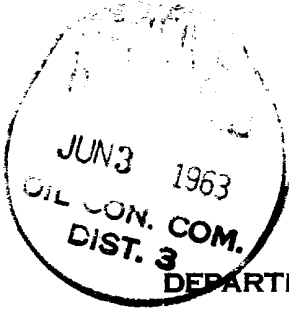




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 080245  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES DEEPEN WELL  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Delhi-Taylor Oil Corporation Address P. O. Drawer 1198, Farmington, N.M.  
Lessor or Dr. W. C. D. Hamner Dr. W. C. D. Hamner State New Mexico  
Well No. 1 Sec. 20 T. 29N R. 9W Meridian N.M.P.M. County San Juan  
Location 830 of N Line and 945 ft. of E line of Sec. 20 Elevation 5596  
(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 A. R. Gibson District Supt.

Date 5/22/62

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

Commenced drilling 5/22/62 to 6590 ft. OIL OR GAS SANDS OR ZONES

No. 1 from 6403 to 6590 (Nakota)

No. 2, from 3793 to 4413 (Manayardo) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

No. 1, from None 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— |         |
| 4-1/2       | 6590            | 285              | Halliburton |        |              |                     |            |     |         |
| 2-3/8       | 6304            | None             |             |        |              |                     |            |     |         |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 4-1/2       | 6590      | 285                    | Halliburton |             |                    |
| 2-3/8       | 6304      | None                   |             |             |                    |

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 |
|------------------|------------|----------------|----------|------|------------|-------------------|
| See "History..." |            |                |          |      |            |                   |

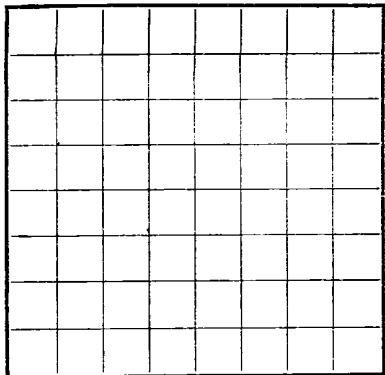
TOOLS USED

Rotary tools were used from 3710 feet to 6590 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

See "History..." for test data 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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure. lbs. per sq. in. \_\_\_\_\_

FOLD MARK



LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 080245  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES DEEPEN WELL  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Delhi-Taylor Oil Corporation Address P. O. Drawer 1198, Farmington, N.M.  
Lessor or Tract Hanner Field Blanco Mesaverde State New Mexico  
Well No. 1 Sec. 20 T. 29N R. 9W Meridian N.M.P.M. County San Juan  
Location 830 ft. N of N Line and 945 ft. E of E Line of Sec. 20 Elevation 5596  
(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.

Original signed by

Signed A. R. Gibson

Date 5/28/63 Title District Supt.

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

Commenced drilling 7/23/62 Finished drilling 8/1/62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6403 to 6590 (Dakota) No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 3793 to 4413 (Mesaverde) No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from None 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— |                   |
| <u>4-1/2</u>                      | <u>10.50</u>    | <u>8RT</u>       | <u>CRAI</u> | <u>6608</u> |              |                     |            |     | <u>Production</u> |
| <u>2-3/8</u>                      | <u>4.70</u>     | <u>8RT</u>       | <u>CRAI</u> | <u>6301</u> |              |                     |            |     | <u>Tabling</u>    |
| <u>HISTORY OF OIL OR GAS WELL</u> |                 |                  |             |             |              |                     |            |     |                   |

MUDDING AND CEMENTING RECORD

| Size casing  | Where set   | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|--------------|-------------|------------------------|--------------------|-------------|--------------------|
| <u>4-1/2</u> | <u>6590</u> | <u>285</u>             | <u>Halliburton</u> |             |                    |
| <u>2-3/8</u> | <u>6304</u> | <u>None</u>            |                    |             |                    |

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 |
|-------------------------|------------|----------------|----------|------|------------|-------------------|
| <u>See "History..."</u> |            |                |          |      |            |                   |

TOOLS USED

Rotary tools were used from 3710 feet to 6590 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

See "History..." for test data 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 \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

| FROM—       | TO—              | TOTAL FEET   | FORMATION                                   |
|-------------|------------------|--------------|---------------------------------------------|
| <u>3710</u> | <u>3744</u>      | <u>34'</u>   | <u>Mesaverde Transition</u>                 |
| <u>3744</u> | <u>3797</u>      | <u>53'</u>   | <u>Cliffhouse Sandstone</u>                 |
| <u>3797</u> | <u>4326</u>      | <u>529'</u>  | <u>Menefee - sandstone, shale, and coal</u> |
| <u>4326</u> | <u>4413</u>      | <u>87'</u>   | <u>Pt. Lookout - sandstone</u>              |
| <u>4413</u> | <u>5517</u>      | <u>1104'</u> | <u>Mancos - shale</u>                       |
| <u>5517</u> | <u>6281</u>      | <u>764'</u>  | <u>Gallup - shaly sand</u>                  |
| <u>6281</u> | <u>6341</u>      | <u>60'</u>   | <u>Greenhorn - limey shale</u>              |
| <u>6341</u> | <u>6403</u>      | <u>62'</u>   | <u>Graneros - shale</u>                     |
| <u>6403</u> | <u>6474</u>      | <u>71'</u>   | <u>Graneros - sand</u>                      |
| <u>6474</u> | <u>6590 T.D.</u> | <u>116'</u>  | <u>Dakota - sandstone, shale</u>            |

(OVER)

FOLD MARK

## FORMATION RECORD—Continued

16-43004-4

| FROM— | TO—   | TOTAL FEET | FORMATION    |
|-------|-------|------------|--------------|
| 10.0  | 11.0  | 1.0        | 10.0 - 11.0  |
| 11.0  | 12.0  | 1.0        | 11.0 - 12.0  |
| 12.0  | 13.0  | 1.0        | 12.0 - 13.0  |
| 13.0  | 14.0  | 1.0        | 13.0 - 14.0  |
| 14.0  | 15.0  | 1.0        | 14.0 - 15.0  |
| 15.0  | 16.0  | 1.0        | 15.0 - 16.0  |
| 16.0  | 17.0  | 1.0        | 16.0 - 17.0  |
| 17.0  | 18.0  | 1.0        | 17.0 - 18.0  |
| 18.0  | 19.0  | 1.0        | 18.0 - 19.0  |
| 19.0  | 20.0  | 1.0        | 19.0 - 20.0  |
| 20.0  | 21.0  | 1.0        | 20.0 - 21.0  |
| 21.0  | 22.0  | 1.0        | 21.0 - 22.0  |
| 22.0  | 23.0  | 1.0        | 22.0 - 23.0  |
| 23.0  | 24.0  | 1.0        | 23.0 - 24.0  |
| 24.0  | 25.0  | 1.0        | 24.0 - 25.0  |
| 25.0  | 26.0  | 1.0        | 25.0 - 26.0  |
| 26.0  | 27.0  | 1.0        | 26.0 - 27.0  |
| 27.0  | 28.0  | 1.0        | 27.0 - 28.0  |
| 28.0  | 29.0  | 1.0        | 28.0 - 29.0  |
| 29.0  | 30.0  | 1.0        | 29.0 - 30.0  |
| 30.0  | 31.0  | 1.0        | 30.0 - 31.0  |
| 31.0  | 32.0  | 1.0        | 31.0 - 32.0  |
| 32.0  | 33.0  | 1.0        | 32.0 - 33.0  |
| 33.0  | 34.0  | 1.0        | 33.0 - 34.0  |
| 34.0  | 35.0  | 1.0        | 34.0 - 35.0  |
| 35.0  | 36.0  | 1.0        | 35.0 - 36.0  |
| 36.0  | 37.0  | 1.0        | 36.0 - 37.0  |
| 37.0  | 38.0  | 1.0        | 37.0 - 38.0  |
| 38.0  | 39.0  | 1.0        | 38.0 - 39.0  |
| 39.0  | 40.0  | 1.0        | 39.0 - 40.0  |
| 40.0  | 41.0  | 1.0        | 40.0 - 41.0  |
| 41.0  | 42.0  | 1.0        | 41.0 - 42.0  |
| 42.0  | 43.0  | 1.0        | 42.0 - 43.0  |
| 43.0  | 44.0  | 1.0        | 43.0 - 44.0  |
| 44.0  | 45.0  | 1.0        | 44.0 - 45.0  |
| 45.0  | 46.0  | 1.0        | 45.0 - 46.0  |
| 46.0  | 47.0  | 1.0        | 46.0 - 47.0  |
| 47.0  | 48.0  | 1.0        | 47.0 - 48.0  |
| 48.0  | 49.0  | 1.0        | 48.0 - 49.0  |
| 49.0  | 50.0  | 1.0        | 49.0 - 50.0  |
| 50.0  | 51.0  | 1.0        | 50.0 - 51.0  |
| 51.0  | 52.0  | 1.0        | 51.0 - 52.0  |
| 52.0  | 53.0  | 1.0        | 52.0 - 53.0  |
| 53.0  | 54.0  | 1.0        | 53.0 - 54.0  |
| 54.0  | 55.0  | 1.0        | 54.0 - 55.0  |
| 55.0  | 56.0  | 1.0        | 55.0 - 56.0  |
| 56.0  | 57.0  | 1.0        | 56.0 - 57.0  |
| 57.0  | 58.0  | 1.0        | 57.0 - 58.0  |
| 58.0  | 59.0  | 1.0        | 58.0 - 59.0  |
| 59.0  | 60.0  | 1.0        | 59.0 - 60.0  |
| 60.0  | 61.0  | 1.0        | 60.0 - 61.0  |
| 61.0  | 62.0  | 1.0        | 61.0 - 62.0  |
| 62.0  | 63.0  | 1.0        | 62.0 - 63.0  |
| 63.0  | 64.0  | 1.0        | 63.0 - 64.0  |
| 64.0  | 65.0  | 1.0        | 64.0 - 65.0  |
| 65.0  | 66.0  | 1.0        | 65.0 - 66.0  |
| 66.0  | 67.0  | 1.0        | 66.0 - 67.0  |
| 67.0  | 68.0  | 1.0        | 67.0 - 68.0  |
| 68.0  | 69.0  | 1.0        | 68.0 - 69.0  |
| 69.0  | 70.0  | 1.0        | 69.0 - 70.0  |
| 70.0  | 71.0  | 1.0        | 70.0 - 71.0  |
| 71.0  | 72.0  | 1.0        | 71.0 - 72.0  |
| 72.0  | 73.0  | 1.0        | 72.0 - 73.0  |
| 73.0  | 74.0  | 1.0        | 73.0 - 74.0  |
| 74.0  | 75.0  | 1.0        | 74.0 - 75.0  |
| 75.0  | 76.0  | 1.0        | 75.0 - 76.0  |
| 76.0  | 77.0  | 1.0        | 76.0 - 77.0  |
| 77.0  | 78.0  | 1.0        | 77.0 - 78.0  |
| 78.0  | 79.0  | 1.0        | 78.0 - 79.0  |
| 79.0  | 80.0  | 1.0        | 79.0 - 80.0  |
| 80.0  | 81.0  | 1.0        | 80.0 - 81.0  |
| 81.0  | 82.0  | 1.0        | 81.0 - 82.0  |
| 82.0  | 83.0  | 1.0        | 82.0 - 83.0  |
| 83.0  | 84.0  | 1.0        | 83.0 - 84.0  |
| 84.0  | 85.0  | 1.0        | 84.0 - 85.0  |
| 85.0  | 86.0  | 1.0        | 85.0 - 86.0  |
| 86.0  | 87.0  | 1.0        | 86.0 - 87.0  |
| 87.0  | 88.0  | 1.0        | 87.0 - 88.0  |
| 88.0  | 89.0  | 1.0        | 88.0 - 89.0  |
| 89.0  | 90.0  | 1.0        | 89.0 - 90.0  |
| 90.0  | 91.0  | 1.0        | 90.0 - 91.0  |
| 91.0  | 92.0  | 1.0        | 91.0 - 92.0  |
| 92.0  | 93.0  | 1.0        | 92.0 - 93.0  |
| 93.0  | 94.0  | 1.0        | 93.0 - 94.0  |
| 94.0  | 95.0  | 1.0        | 94.0 - 95.0  |
| 95.0  | 96.0  | 1.0        | 95.0 - 96.0  |
| 96.0  | 97.0  | 1.0        | 96.0 - 97.0  |
| 97.0  | 98.0  | 1.0        | 97.0 - 98.0  |
| 98.0  | 99.0  | 1.0        | 98.0 - 99.0  |
| 99.0  | 100.0 | 1.0        | 99.0 - 100.0 |

## HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

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.

**DAKOTA** - Perf. 6571-81 with two NCF II jets per foot.

Frac. with 40,000 gal. water and 25,000# 20-40 sand.

Perf. with 3/8" dynajet @ 6555 6540, 6536, 6528, 6522, 6509, & 6501.

Frac. with 46,000 gal. water and 25,000# 40-60 sand followed by 15,000# 20-40 sand.

Perf. with nine 3/8" holes @ 6485, 6484, 6483, 6482, 6481, 6437, 6435, 6410,

and 6408.

Frac. with 51,660 gal. 1% HCl water and 50,000# 20-40 sand.

**MESAVERDE** - Perf. one 3/8" hole @ 4513, 4507, 4495, 4454, 4450, 4406, 4402, 4366, 4349, 4334, 4330, 4299, 4255, 4199, 4195, 4118, 4113, 4105, 4096, 4080, 4024, and 3984.

Frac. with 1800 bbl. fresh water and 75,000# 20-40 sand.

Perf. one 3/8" hole @ 3967, 3964, 3953, 3934, 3896, 3894, 3869, 3864, 3856, 3846, 3844, 3833, 3831, 3817, 3810, 3804, 3797, 3794, 3787, 3783, 3779, 3767, 3747, and 3738.

Frac. with 77,700 gal. water and 75,000# 20-40 sand.

**DAKOTA**

**MESAVERDE**

STIP = 1808 psia

STIP = 809 psia

SICP = Dual

SICP = Dual

Flowing Choke Press. = 126 psia

Q (in pipeline) = 831 MCF/D

Q = 1551 MCF/D

Deliverability = 867 MCF/D

AGE = 1575 MCF/D

## LOG OF OIL OR GAS WELL

GEOLOGICAL SPEAKER

DEPARTMENT OF THE INTERIOR

UNITED STATES