Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 060482-A
LEASE OR PERMIT TO PROSPECT

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OIL CON. CO
DIST. 3

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MAY 17 1961
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company W. H. Hudson Address 1126 Mercantile Securities Bldg. Dallas 1, Texas

Lessor or Tract Fairfield Field Basin Dakota State New Mexico

Well No. 1 Sec. 14 T27N R13W Meridian NMPM County San Juan

Location 1100 ft. {N./S.} of S Line and 990 ft. {E./W.} of E Line of Sec. 14 Elevation 5856.6'
(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 J. B. Avant

Date May 15, 1961 Title Geologist

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

Commenced drilling April 25, 1961, 19.. Finished drilling April 27, 1961, 19..

## OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5825 to 5874 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

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 8 5/8 | 24 | 8 | J-55 | 222.59 | Baker | — | — | — | Surface |
| 4 1/2 | 9.5 | 8 | J-55 | 6143.47 | Baker | — | — | — | Production |
| 4 1/2 | 11.6 | 8 | J-55 | 2750.30 | Baker | — | — | — | Production |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 8 5/8 | 222.59 | 130 | Displacement | | |
| 4 1/2 | 6144.17 | 250 | Displacement | | |

## 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 |
|---|---|---|---|---|---|---|
| 3 1/8 | Casing | Jet | 22' | | | |

## TOOLS USED

Rotary tools were used from Surface feet to 6145 feet, and from — feet to — feet

Cable tools were used from — feet to — feet, and from — feet to — feet

## DATES

..., 19.. 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 28,470 mcf AOF Gallons gasoline per 1,000 cu. ft. of gas ...

Rock pressure, lbs. per sq. in. 2182 SITP

## EMPLOYEES

A. G. Powell, Tool Pusher, Driller ..., Driller

Flooger Drilling, Inc., Driller ..., Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 2127 | 2127 | Surface |
| 2127 | 4040 | 1913 | Mesaverde |
| 4040 | 4946 | 906 | Mancos |
| 4946 | 5711 | 765 | Gallup |
| 5711 | 5767 | 56 | Greenhorn |
| 5767 | 5825 | 58 | Graneros |
| 5825 | 6145 (TD) | 320 | Dakota |

FROM— TO— TOTAL FEET FORMATION

[OVER]

FORMATION RECORD—Continued



FOLD

MARK

## FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| | | | |

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | [illegible] | [illegible] | Dallas |
| [illegible] | [illegible] | [illegible] | Dallas |
| [illegible] | [illegible] | [illegible] | Dallas |
| [illegible] | [illegible] | [illegible] | Dallas |
| [illegible] | [illegible] | [illegible] | Dallas |
| [illegible] | [illegible] | [illegible] | Dallas |
| [illegible] | [illegible] | [illegible] | Dallas |
| [illegible] | [illegible] | [illegible] | Dallas |

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| [illegible] | [illegible] | 125 | | | |
| [illegible] | [illegible] | 130 | | | |

## PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

## SHOOTING RECORD

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

## ROTARY TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

## DATES

Put to producing _____ 19_____

The production for the first 24 hours was _____ barrels of fluid of _____% was oil; _____% emulsion; _____% water; and _____% sediment.

Gravity, °Be. _____

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

Rock pressure, lbs. per sq. in. _____

## EMPLOYERS

_____ Driller _____ Driller

_____ Driller _____ Driller

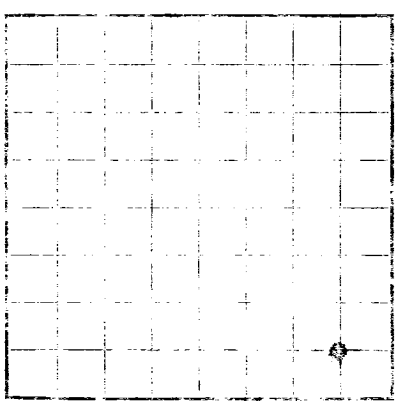
## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

U. S. GOVERNMENT PRINTING OFFICE: 1961—[illegible]

# LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY



GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

FORM 9-330

U. S. LAND OFFICE _____

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT _____

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

## HISTORY OF OIL OR GAS WELL

**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 baling.**

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Spudded 2:00 A.M. 4-15-61. Drilled to 222.59'. Set 211.99' of 8 5/8" J-55 24# casing at 222.59' with 125 sacks Portland cement and 5 sacks Halliburton HAS. Plug down at 11:00 A.M. 4-15-61. Released pressure and tested casing to 1000# at 1:00 P.M. 4-15-61. Drilled plug at 11:00 P.M., 4-15-61. Drilled 7 7/8" hole to 6145' Ran Welex I-EL and Acoustic Velocity logs. Set 6133.67' of 4 1/2" 9.5# and 11.6# J-55 casing at 6144.17'. Cemented with 250 sacks of Portland cement plus 4% gel. Plug down at 5:10 A.M. 5-28-61. Tested to 1500#. Bled to 400# and shut in 72 hours. Ran McCullough correlation and cement log. Perforated 6001-6023 feet with 2 casing jets per foot. Well kicked off and cleaned up. Ran 192 joints of 2 3/8" 4.7# J-55 tubing, set at 6036.55'. Cleaned well and shut in 96 hours on 3 hour test, absolute potential 28,473 MCFPD 3/4" choke, SIFP 2182#. Waiting on pipe line connection.

The information given herein is a complete and correct record of the well and all work done thereon so far as determined from all available records.

Signature _____ Date _____

Company _____ Address _____

Date work began _____ Date completed _____ Name of driller _____

Name of tool pusher _____ Name of driller _____

Well No. _____ Lease _____ Farm _____ County _____ State _____

Location _____ feet _____ of _____ line and _____ feet _____ of _____ line of _____ Elevation _____

DIST. DEPARTMENT OF THE INTERIOR

OIL CON

MAY 8

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