Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 077971
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

# LOG OF OIL OR GAS WELL

Company STANOLIND OIL AND GAS COMPANY Address Box 487, Farmington, New Mexico

Lessor or Tract F. A. Schultz Field Wildcat State New Mexico

Well No. 1 Sec. 15 T. 27N R. 13-W Meridian NMPM County San Juan

Location 1300 ft. {N.} of S Line and 1300 ft. {E.} of W Line of Section 15 Elevation 6032
(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

Date March 27, 1956 Title Field Superintendent

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

Commenced drilling November 20, 1955 Finished drilling January 13, 1956

## OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from to 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 1390 to 1500 No. 3, from 2890 to 4185

No. 2, from 2240 to 2700 No. 4, from 5970 to 6262

## CASING RECORD

| Size casing | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated From— | Perforated To— | Purpose |
|---|---|---|---|---|---|---|---|---|---|
| 10-3/4" | 32.75# | 8RT | National | 268' | | | | | Surface |
| 7-5/8" | 26.4# | 8RT | National | 4275' | Guide | 1385 | | | Intermediate |
| 5-1/2" | 14# | 8RT | National | 6395' | Guide | 5531 | | | Oil String |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 10-3/4" | 268' | 225 | Circulated | | |
| 7-5/8" | 4275' | 100 | Circulated | | |
| 5-1/2" | 6395' | 100 | Circulated | | |

FOLD MARK

## 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 |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |

## TOOLS USED

Rotary tools were used from 0 feet to 6395 feet, and from feet to feet

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

## DATES

February 28, 1956 Put to producing Dry Hole, 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

Albert Schmeidler, Driller C. E. Easter, Driller

C. A. Childs, Driller C. A. Malloy, Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 540 | 540 | Surface sand & shale (RDB 6035) |
| 540 | 1140 | 600 | Kirtland |
| 1140 | 1390 | 250 | Fruitland |
| 1390 | 1500 | 110 | Pictured Cliffs |
| 1500 | 2890 | 1390 | Lewis |
| 2890 | 4185 | 1295 | Mesaverde |
| 4185 | 5100 | 915 | Mancos |
| 5100 | 5630 | 530 | Gallup |
| 5630 | 5865 | 235 | Shale |
| 5865 | 5930 | 65 | Greenhorn |
| 5930 | 5970 | 40 | Shale |
| 5970 | 6262 | 292 | Dakota |
| 6262 | 6352 | 90 | Shale |
| 6352 | 6395 | 43 | Morrison |



16—43094-3

## FORMATION RECORD—Continued

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

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 bailing.

This well was spudded on November 20, 1955. On that day, 10-3/4" was landed at 268' and cemented with 225 sacks circulated cement. After waiting on cement 24 hours, casing and water shut off tested with 500 pounds pressure for 30 minutes with no drop in pressure. Drilling operations were resumed.

On December 9, 1955, 7-5/8" casing was landed at 4275' and cemented with 100 sacks regular cement. After waiting on cement for 38 hours, casing and water shut off were tested with 1000 pounds pressure for 30 minutes with no drop in pressure. Drilling operations were resumed.

We changed plans to drill this well to a total depth of 6400' and set 5½" casing with 75 sacks cement at that depth. This was done in order to test the Morrison Formation.

On January 17, 1956, well was perforated with 2 jet shots per foot as follows: 5968-5980', 5990-6004', 6038-6068', 6078-6098'. On January 18, 1956, these perfosations were washed with 500 gallons mud acid. Formation broke at 1400#. On January 21, 1956, well was sand oil fraced through these perforations with 10,104 gallons diesel oil and 15,000 pounds sand. Formation broke at 3000 pounds pressure. Average injection rate was 21.4 BPM. Test after frac proved negative.

On January 26, 1956, the above perforations were squeese cemented. Then well was perforated from 5902-5940' with 2 jet shots per foot. Through these perforations, 5902-5940', well was sand oil fraced with 10,000 gallons diesel oil and 10,000 pounds sand. Injection rate was 16.2 BPM. Test after frac job proved negative.

Plug and abandonment operations commenced February 20, 1956, and are set out below: 24 sack cement plug set at 5950' to 5720'. 5½" casing was then cut with jet cutters at 5531'; 25 sack cement plug set from 5531' to 5420' in 5½" casing stub. 7-5/8" casing was cut at 1385' and a 25 sack cement plug set in casing stub. Cement plug was set from 300' to 200'; a 10 sack cement plug was set at surface and a 4' steel pipe marker erected. Ground was restored to its original contours. Plug and abandonment operations were completed on February 26, 1956.

APPROVED 4-23-57
Samuel F. Thurman
ACTING DISTRICT ENGINEER

Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Land Office Santa Fe
Lease No. 077971
Unit F. A. Schultz

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

RECEIVED
APR 4 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

# 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 RE-DRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | | SUBSEQUENT REPORT OF ABANDONMENT | X |
| 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)

Farmington, New Mexico March 27, 1956

Well No. 1 is located 1300 ft. from [N] line and 1300 ft. from [W] line of sec. 15

SW/4 of Section 15 (¼ Sec. and Sec. No.) | T-27-N (Twp.) | R-13-W (Range) | NMPM (Meridian)

Wildcat (Field) | San Juan (County or Subdivision) | New Mexico (State or Territory)

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APR 24 1957
OIL CON. COM.
DIST. 3

The elevation of the derrick floor above sea level is 6032 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)

The above well was plugged and abandoned as follows: 25 sack cement plug set at 5950' to 5720'. The 5½" casing was then cut with jet cutters at 5531'; 25 sack cement plug was set from 5531' to 5420' in 5½" casing stub. The 7-5/8" casing was cut at 1985' and a 25 sack cement plug was set in casing stub. Cement plug was set from 300' to 200'; a 10 sack cement plug was set at surface and 4' pipe marker erected and ground restored to its original contours. Well plugged and abandoned on February 28, 1956.

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

Company STANOLIND OIL & GAS COMPANY

Address P. O. BOX 487
FARMINGTON, NEW MEXICO

By L. D. Johnson

Title Field Superintendent

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