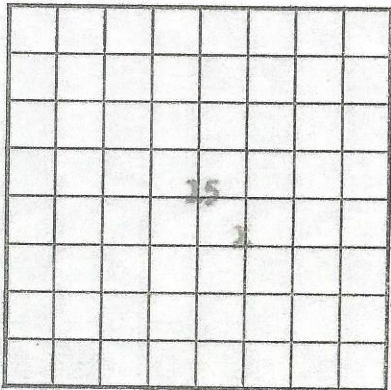


Form 9-330



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Denver
 SERIAL NUMBER 052265
 LEASE OR PERMIT TO PROSPECT M. C. Hagood "A" Lease

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Stanolind Oil and Gas Address Rangely, Colorado
 Lessor or Tract M. C. Hagood "A" Field Rangely State Colorado
 Well No. 5 Sec. 15 T. 2N R. 103W Meridian 6th County Rio Blanco
 Location 1979 ft. N. of S. Line and 1981 ft. E. of W. Line of Section (RDB) 15 Elevation 5585
(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. M. Pre
 Title _____

Date _____

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

Commenced drilling January 6, 19 47 Finished drilling March 17, 19 47

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3915 to 4623 (G) No. 4, from _____ to _____
 No. 2, from 6425 to 6705 (T.O.) No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 3826 to 3925 No. 3, from 4921 to 5557
 No. 2, from 4722 to 4871 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— | |
| 13-3/8" | 46 | 8 RT | J & L | 80 | | | | | |
| 9-5/8" | 61 1/2 | 8 RT | J & L | 200 | | | | | |
| 7" | 62 1/2 | 8 RT | J & L | 700 | | | | | |
| 2-1/2" Tubing | 6.5 | 8 RT | Pittsburgh | 663 | | | | | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 13-3/8" | 46 | 80 | Howe 2-plug | | |
| 9-5/8" | 61 1/2 | 200 | Howe 2-plug | | |
| 7" | 62 1/2 | 700 | Howe 2-plug | | |

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 6705 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing March 17, 19 47

The production for the first 24 hours was 364 barrels of fluid of which 100 % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, 26°

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 6703 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing March 17, 1947
The production for the first 24 hours was 364 barrels of fluid of which 100 % was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 1.035
If gas well, cu. ft. per 24 hours 1/4" tubing choke I.P. 350
Gallons gasoline per 1,000 cu. ft. of gas
Rock pressure, lbs. per sq. in.

EMPLOYEES

J. E. Hardy, Driller J. E. Rogers, Driller
Jesse Miller, Driller J. Hatland, Driller
XXXXX

FORMATION RECORD

| FROM- | TO- | TOTAL FEET | FORMATION |
|-------|------|------------|-------------------------------------|
| 0 | 2505 | 2505 | Shale |
| 2505 | 2605 | 100 | Shale and Shells |
| 2605 | 3185 | 580 | Shale |
| 3185 | 3220 | 45 | Shale and Shells |
| 3220 | 3625 | 405 | Shale |
| 3625 | 3775 | 150 | Shale and Shells |
| 3775 | 3781 | 6 | Shale and Chert |
| 3781 | 3825 | 44 | Shale and Shells - Top Dakota 3826' |
| 3825 | 3890 | 65 | Sand and Shale |
| 3890 | 3933 | 43 | Sand - Top Morrison 3935' |
| 3933 | 4140 | 207 | Sand and Shale |
| 4140 | 4166 | 26 | Shale and Shells |
| 4166 | 4214 | 48 | Sand and Shale |
| 4214 | 4411 | 197 | Shale and Shells |
| 4411 | 4435 | 24 | Broken Shale |
| 4435 | 4728 | 293 | Sand and Shale - Top Curtis 4623' |
| 4728 | 4870 | 142 | Sand and Shale - Top Intrada 4722' |
| 4870 | 4901 | 31 | Sand and Shale - Top Carmel 4871' |
| 4901 | 4925 | 24 | Hard Sand - Top Navajo 4921' |
| 4925 | 5120 | 195 | Sand and Shale |
| 5120 | 5170 | 50 | Sand |

(OVER)

8-0745

FORMATION RECORD-Continued

FORMATION RECORD—Continued

(O&G)

2-6745

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|------|-------------------|-----------------------------------|
| 5170 | 5559 | 389 | Sand and Shale - Top Chinle 5557' |
| 5559 | 5814 | 255 | Red Beds |
| 5814 | 5823 | 9 | Hard Sand |
| 5823 | 6407 | 384 | Red Beds - Top Weber 6406' |
| 6407 | 6411 | 4 | Shell |
| 6411 | 6447 | 36 | Sand T. D. 9" Hole |
| 6447 | 6705 | 258 | Sand (cored) |
| | | <u>T. D. 6705</u> | |

SPECIAL SURVEYS

Temperature survey to determine Cement Fillup behind 7" Casing Top Cement 2875'

Schlumberger Electrical log 615 to 6429

Drilled from 6447 to 6705 using a diamond bit.

Cores were analyzed.

Schlumberger Tops

Dakota 3826

Morrison 3915

Curtis 4623

Entrada 4722

Carmel 4871

Navajo 4921

Chinle 5557

Shinarump 5670

Maenkopi 5750

Weber 6406 (-921)

Book 133316 113' below top of

If 300' well cut 11' below 34' points

completion: 10' water: and 10' sediment.

The production for the first 34' points was

Gallons Gasoline per 1'000 cu. ft. of gas

Cylinder 335

patterns of fluid of which 10' was oil:

But to production 10'

DYES

Cable tools 4623 used from 1000' to 1000' and from 1000' to 1000'

Bottom tools were used from 1000' to 1000' and from 1000' to 1000'

TOOLS USED

| Size | Spec. used | Exhibitor used | Quantity | Date | Depth used | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|------|------------|----------------|----------|------|------------|-------------------|

SHOOTING RECORD

Vibrators—Material 1000'

Holding line—Material 1000'

LOGS AND ADVANCES

| Number | Material | Number | Material | Number | Material | Number | Material |
|--------|----------|--------|----------|--------|----------|--------|----------|
|--------|----------|--------|----------|--------|----------|--------|----------|

MIDDING AND CEMENTING RECORD

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 6-6745

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.

| Number | Material | Number | Material | Number | Material | Number | Material |
|--------|----------|--------|----------|--------|----------|--------|----------|
|--------|----------|--------|----------|--------|----------|--------|----------|

CASING RECORD

No. 3' from 1000' to 1000'

No. 1' from 1000' to 1000'

IMPORTANT WATER SANDS

No. 3' from 1000' to 1000'