Case No.
2240

Large
Exhibits

W.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

FORM C-105

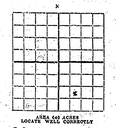
Federal #3

# NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). ESSENCE OF TEMPLATE, FORM C-105 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.



ACRES AND ACRES
LOCATE WELL CORRECTLY

Roland Rich Woolley — Box 208 Loco Hills — New Mexico
Company or Operator — Address

"Woolley" — Well No. 3-B — in NW/4 SW/4 Sec. 33 — T. 17
Lease

R. 30 — N. M. P. M. Loco Hills — Field, Eddy — County.

Well is 4000 feet south of the North line and 1650 feet west of the East line of Sec. 33

If State land the oil and gas lease is No. _____ Assignment No. _____

If patented land the owner is _____ Address _____

If Government land the permittee is Roland Rich Woolley — Address Loco Hills

The Lessee is Roland Rich Woolley — Address _____

Drilling commenced 8-16 — 19 47 — Drilling was completed 8-30 — 19 47

Name of drilling contractor Owne — Address _____

Elevation above sea level at top of casing 3 feet.

The information given is to be kept confidential until _____ 19____

### OIL SANDS OR ZONES

No. 1, from 1070- to 45 — No. 4, from _____ to _____
No. 2, from 2825 to 2920 — No. 5, from _____ to _____
No. 3, from 2920 to 3857 — No. 6, from _____ to _____

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from 345 to 350 feet. _____
No. 2, from _____ to _____ feet. _____
No. 3, from _____ to _____ feet. _____
No. 4, from _____ to _____ feet. _____

### CASING RECORD

| SIZE | WEIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | CUT & FILLED FROM | PERFORATED FROM | PERFORATED TO | PURPOSE |
|---|---|---|---|---|---|---|---|---|---|
| 8 5/8 | 28 | 8 | Nat | 496' | Plain | | | | |
| 7" | 20 | 8 | Nat | 2772' | Plain | | | | |

### MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---|---|---|---|---|---|---|
| 10" | 8 5/8 | 496 | 50 | Halliburton | | Top to bottom |
| 8" | 7" | 2777' | 100 | do | | Top to Bottom |

### PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____

Adapters—Material _____ Size _____

### RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|---|---|---|---|---|---|---|
| 5" | 5 | Glycern | 170 qt | 7-1-47 | 2816-2847 | T.D. |
| | | | | | | |

Results of shooting or chemical treatment Oil raised 1500' in 7" hole before shot and flowed through 7" after shot. Made 90 bbls on 4-inch test, and 60 bbls on tubing test flowing.

### RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

### 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

### PRODUCTION

Put to producing 7-8-47 — 19____

The production of the first 24 hours was 60 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, Be. 36.6

If gas well, cu. ft. per 24 hours No test — Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 200 lbs

### EMPLOYEES

W.H.Settlemire — Driller — Earl J Smith — Driller
Lewis Pleasons — Driller — _____ — Driller

### FORMATION RECORD ON OTHER SIDE

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this 10 day of July, 1947

_____ Notary Public

My Commission expires _____

Loco Hills — 7-10-47
Place — Date

Name Superintendent
Position
Representing Roland Rich Woolley
Company or Operator
Address _____

### FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|---|---|---|---|
| 0 | 70 | 70 | Sand |
| 70 | 155 | 85 | RB |
| 155 | 195 | 460 | Rn |
| 195 | 200 | 5 | RB |
| 200 | 210 | 10 | Rn |
| 210 | 225 | 15 | RB |
| 225 | 250 | 5 | Gravium |
| 250 | 255 | 5 | RB |
| 255 | 280 | 15 | Rn |
| 280 | 350 | 70 | RB |
| 350 | 385 | 35 | Gravel |
| 385 | 940 | 10 | RB |
| 940 | 956 | 6 | Sdr Sand |
| 956 | 994 | 44 | RB |
| 994 | 1140 | 6 | Rn |
| 1140 | 1150 | 10 | Salt |
| 1150 | 1155 | 15 | Rn |
| 1155 | 1160 | 5 | RB Shale |
| 1160 | 1165 | 5 | Rn |
| 1165 | 1168 | 5 | RB |
| 1168 | 1175 | 7 | Rn Shale |
| 1175 | 1220 | 45 | Rn |
| 1220 | 1283 | 63 | Rn & RB bks |
| 1283 | 1403 | 10 | Rn |
| 1403 | 1446 | 43 | RB Red Shdy Shale |
| 1446 | 1470 | 24 | Rn |
| 1470 | 1493 | 23 | RB |
| 1493 | 1645 | 52 | Red Bds |
| 1645 | 1683 | 38 | Broken Rn |
| 1683 | 1693 | 10 | Rn & RB bks |
| 1693 | 1850 | 157 | Red Bds |
| 1850 | 1865 | 15 | Shale & Rn |
| 1865 | 1970 | 105 | RB & Rn Bks |
| 1970 | 1980 | 10 | Rn |
| 1980 | 1995 | 15 | Rn Lm |
| 1995 | 2040 | 45 | Rn & Br Lm ( Sho. oil 1970-45 |
| 2040 | 2055 | 15 | Rn |
| 2055 | 2075 | 20 | Rn & Rn Shale Bks |
| 2075 | 2365 | 290 | Rn |
| 2365 | 2385 | 20 | Red Shale |
| 2385 | 2425 | 40 | Br Lm & Rn Bks |
| 2425 | 2465 | 40 | Rn |
| 2465 | 2475 | 10 | Br Lm |
| 2475 | 2490 | 15 | Rn |
| 2490 | 2495 | 5 | RB & Br Lm Shells |
| 2495 | 2500 | 5 | Br Lm |
| 2500 | 2555 | 55 | Rn |
| 2555 | 2565 | 10 | Br Lm & Shale Bks |
| 2565 | 2583 | 18 | Shdy Shale (S.O.) |
| 2583 | 2625 | 40 | Rn |
| 2625 | 2640 | 15 | Rn & sand |
| 2640 | 2661 | 21 | Pink Lime |
| 2661 | 2679 | 18 | Red Br Lm |
| 2679 | 2816 | 137 | Br Lm |
| 2816 | 2830 | 14 | Gray Sand (GAS Show) |
| 2830 | 2864 | 34 | Brown Sand (Oil 0) fill up 1500' |
| 2864 | 2872 | 8 | Gray Lime |
| 2872 | T.D. | | |

W.N.M.C.F. MICROGRAPHICS
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Form 9-331a

RECEIVED
MAR 1 1951
OIL CON. COM.
ROSWELL, N. M.

U. S. LAND OFFICE La. C.
SERIAL NUMBER 028936-B
LEASE OR PERMIT TO PROSPECT Woolley

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FED. "L" No 1

# LOG OF OIL OR GAS WELL

c/o C. J. Dexter

Company Roland Rich Woolley Address Artesia, New Mexico
Lessor or Tract Woolley Field Loco Hills State New Mexico
Well No. 3-D Sec. 31 T. 17 R. 30 Meridian NMPM County Eddy
Location 330 ft. [N.] of N. Line and 330 ft. [W.] of W. Line of S.E.C. 31 Elevation

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 Title Superintendent

The summary on this page is for the condition of the well at above date.
Commenced drilling Feb. 20, 1940. Finished drilling March 21, 1940.

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

No. 1, from 1825 to 1870 (G) No. 4, from to
No. 2, from 2794 to 2811 (Oil) Bay No. 5, from to
No. 2, from to No. 6, from to

## IMPORTANT WATER SANDS

No. 1, from 270 to 340 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 |
|---|---|---|---|---|---|---|---|---|---|
| 8¼ | 24# | 10 | Natl | 665 | Baker | | | | |
| 4½ | 9.5# | 8rd | Lone Star | 2760' | Baker | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 8¼ | 665' | 50 | Halliburton | Heavy | Dug to bottom |
| 4½ | 2760' | 100 | " | " | " " " |

## 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 |
|---|---|---|---|---|---|---|
| | | Nitroglycerin | 100qt | 3-21 | 2794-2810 | 2811 |

## TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to 2811 feet, and from feet to feet

## DATES

Put to producing March 22, 1940

The production for the first 24 hours was 200 barrels of fluid of which 100 % 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

M. A. Lapsley Driller
P. F. Johnson Driller
Oscar Burch Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 0 | 45 | 45 | Sand and red bed |
| 45 | 75 | 30 | Red beds |
| 75 | 125 | 50 | Sand and red bed |
| 125 | 165 | 40 | Red bed |
| 165 | 205 | 40 | Red mud |
| 205 | 255 | 50 | Red bed and sand |
| 255 | 305 | 50 | Red bed and gyp |
| 305 | 395 | 90 | Gyp Water 276 |
| 395 | 440 | 45 | Gyp and Red bed |
| 440 | 485 | 45 | Gyp |
| 485 | 530 | 45 | Red bed and gyp shells |
| 530 | 1025 | 498 | Salt - Set 665' of 8¼" casing |
| 1025 | 1045 | 20 | Anhydrite |
| 1045 | 1055 | 10 | Salt |
| 1055 | 1265 | 210 | Anhydrite |
| 1265 | 1300 | 35 | Anhydrite and brown shale |
| 1300 | 1565 | 265 | Anhydrite |
| 1565 | 1600 | 35 | Anhydrite and brown shale |
| 1600 | 2275 | 675 | Anhydrite Gas show 1805 |
| 2275 | 2535 | 260 | Blue shale Core No. |
| 2305 | 2395 | 90 | Anhydrite |
| 2395 | 2415 | 20 | Anhydrite and limestone |
| 2415 | 2580 | 165 | Anhydrite |
| 2501 | 2570 | 69 | Red Sand |
| 2570 | 2580 | 20 | Anhydrite |
| 2580 | 2610 | 30 | Gray Lime |
| 2610 | 2630 | 20 | Anhydrite |

FOLD | MARK

Form 9-330

SUPPLEMENTAL

Fed "L" 2nd No. 1

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028936 B
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company Roland Rich Woolley Address Box 456, Artesia, New Mexico
Lessor or Tract Roland Rich Woolley Field Premier State New Mexico
Well No. 30 Sec. 31 T. 17S R. 31E Meridian NMPM County Eddy
Location 230 ft. [N.] of N. Line and 230 ft. [W.] of W. Line of Sec. 31 Elevation

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. A. Bissett
Date April 18, 1951 Title Superintendent

The summary on this page is for the condition of the well at above date.
Commenced drilling March 7, 1951 Finished drilling April 15, 1951

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

No. 1, from 3021 to 3044 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 |
|---|---|---|---|---|---|---|---|---|---|
| 8⅝ | 24# | 8rd | Nat'l | 1272 | Baker | | | | |
| 5½ | 15.5# | 8rd | Nat'l | 3061 | Baker | | | | |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|---|---|---|---|---|---|
| 8⅝ | 1272 | 300 | Halliburton | Regular | |
| 5½ | 2667-2862 | 300 | Halliburton | Regular | |

## 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 |
|---|---|---|---|---|---|---|
| 5½ | 6¼-30 | QTC | 70 qts. | 4/14/51 | 3021-49 | Total Depth |

## TOOLS USED

Rotary tools were used from feet to feet, and from feet to feet
Cable tools were used from feet to 3061 feet, and from feet to feet

## DATES

April 18, 1951 Put to producing April 15, 1951

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

W. H. Gottleaire Driller Clyde Galloway Driller
Harry Hubbard Driller

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 2811 | 2815 | | Lime |
| 2815 | 2862 | | Grey Lime |
| 2862 | 2867 | | Lime |
| 2867 | 2879 | | Grey Lime |
| 2879 | 2884 | | Lime |
| 2884 | 2888 | | Grey Lime |
| 2888 | 2895 | | Lime |
| 2895 | 2909 | | Grey Lime |
| 2909 | 2915 | | Lime |
| 2915 | 2926 | | Grey Lime |
| 2926 | 2927 | | Sandy Lime (S/O) |
| 2927 | 2955 | | White Lime |
| 2955 | 2956 | | Lime |
| 2956 | 2957 | | Grey Lime |
| 2957 | 2975 | | Pink Lime |
| 2975 | 2987 | | Grey Lime |
| 2987 | 2995 | | Lime |
| 2995 | 3011 | | Grey Sandy Lime (S/O) |
| 3011 | 3026 | | White Lime |
| 3026 | 3060 | | Grey Lime |
| 3060 | 3064 | | Grey Sandy Lime (S/O & G) |
| 3064 | 3050 | | Grey Lime |
| 3050 | 3055 | | White Lime |
| 3055 | 3061 | | Grey Lime |
| | 3064 | | Grey and Pink Lime |
| | | | Total Depth |

FOLD | MARK

## FORMATION RECORD—Continued

| FROM— | TO— | TOTAL FEET | FORMATION |
|---|---|---|---|
| 2630 | 2650 | 20 | Anhydrite |
| 2650 | 2670 | 20 | Anhydrite and gray lime |
| 2670 | 2794 | 124 | Grey lime - Oil 2705-15' 7"OD |
| 2794 | 2811 | 17 | 10# - 10 bbl |
| | | | 32mm - Oil and gas pay. |

W.N.M.C.P. MICROGRAPHICS
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Form 9-331a
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R1424.
Approval expires 12-31-52.

Land Office Las Cruces
Lease No. 020235 D
Unit P

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

## 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 | X |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO REDRILL 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)

April 2, 1951

Woolley 3-B
Well No. ... is located 2310 ft. from [N] line and 2310 ft. from [W] line of sec. 31

SW NW Sec. 31 — 12S — 30E — NMPM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Loco Hills — Eddy — New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ..... 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 jobs, and all other important proposed work)

March 27, 1951: 5-1/2" 17# liner was set from 2568 to 2662. Cemented with 100 sacks of neat, by Halliburton Oil Well Cementing Company. Water Coal Company retainer was used on bottom of liner and cement pumped through 2" tubing. This was set 72 hours and was bailed out dry and tested before drilling, was not 72 hours and was bailed out dry and tested before drilling, was not 72 hours and was bailed out dry and tested before drilling, was not