

N.

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST

WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days
after completion of well. Indicate questionable data by fol-
lowing it with (?). Submit in duplicate.

Company Empire Gas and Fuel Co. (Inc.) Address 1009 E. 1st St. N. M.
Send correspondence to Empire Gas and Fuel Co. Address 1009 E. 1st St. N. M.
Worrett Well No. 4 in 10 of Sec. 20, T. 24N,
R. 5E, N. M. P. M. Dooper Oil Field 400 County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is Eugene Worrett Address _____
The lessee is Eugene Worrett Address _____
If not state or patented land, give status _____
Drilling commenced 5-11 1935 Drilling was completed 6-8 1935
Name of drilling contractor Oil Well Drilling Co. Address San Antonio, Texas
Elevation above sea level at top of casing 3250 feet.
The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from 0-40 to 3400 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 | WEIGHT PER FOOT | THREADS PER INCH | MAKE | AMOUNT | KIND OF SHOE | CUT AND PULLED FROM | PERFORATED | | PURPOSE |
|---------------|--------------------|---------------------|------|-------------|-----------------|------------------------|------------|----|---------|
| | | | | | | | FROM | TO | |
| <u>12 1/2</u> | <u>50</u> | <u>9thd</u> | | <u>144</u> | | | | | |
| <u>9 5/8</u> | <u>40</u> | <u>10thd</u> | | <u>1048</u> | | | | | |
| <u>7</u> | <u>34</u> | <u>10thd</u> | | <u>3063</u> | | | | | |
| <u>5 1/2</u> | <u>9.5</u> | <u>10thd</u> | | <u>3400</u> | | | | | |
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| | | | | | | | | | |

MUDDING AND CEMENTING RECORD

| SIZE | WHERE SET | NO. SACKS OF CEMENT | METHODS USED | MUD GRAVITY | AMOUNT OF MUD USED |
|---------------|-------------|---------------------|-------------------|-------------|--------------------|
| <u>12 1/2</u> | <u>144</u> | <u>100</u> | <u>Ballburton</u> | | |
| <u>9 5/8</u> | <u>1048</u> | <u>600</u> | <u>"</u> | | |
| <u>7</u> | <u>3063</u> | <u>100</u> | <u>"</u> | | |
| | | | | | |
| | | | | | |
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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 3400 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing 5-9 1935
The production of the first 24 hours was 105 barrels of fluid of which 100 % 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. _____

EMPLOYEES

A. N. Campbell G. A. Johnson
_____, Driller _____, Driller
J. L. Hargley _____, 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 12 Name L. L. Dodier
day of June 1935 Position Sup's Production
Paul W. Clark Empire Gas and Fuel Co. (Inc.)
Notary Public. Representing _____ Company or Operator
My commission expires Dec. 3, 1938

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|-----|----------------------|--|
| 0 | 50 | 50 | alluvial |
| 50 | 100 | 100 | hard blue sand |
| 100 | 115 | 15 | hard sand and red rock |
| 115 | 130 | 15 | hard sand and shale |
| 130 | 145 | 15 | hard sand |
| 145 | 160 | 15 | shale and shale |
| 160 | 175 | 15 | red rock, shale and sand |
| 175 | 190 | 15 | red rock, sandy shale |
| 190 | 205 | 15 | red rock and shale |
| 205 | 220 | 15 | shale, hard blue sand |
| 220 | 235 | 15 | red rock and shale |
| 235 | 250 | 15 | shale, red sand and shale |
| 250 | 265 | 15 | shale and red rock |
| 265 | 280 | 15 | anhydrite |
| 280 | 295 | 15 | anhydrite |
| 295 | 310 | 15 | anhydrite |
| 310 | 325 | 15 | anhydrite and salt |
| 325 | 340 | 15 | anhydrite and salt (reduced hole 1620) |
| 340 | 355 | 15 | anhydrite and salt |
| 355 | 370 | 15 | anhydrite |
| 370 | 385 | 15 | anhydrite, streaks of salt |
| 385 | 400 | 15 | anhydrite and salt |
| 400 | 415 | 15 | anhydrite and salt |
| 415 | 430 | 15 | anhydrite |
| 430 | 445 | 15 | brown lime and anhydrite |
| 445 | 460 | 15 | gray lime |
| 460 | 475 | 15 | lime |
| 475 | 490 | 15 | brown lime |
| 490 | 505 | 15 | lime |
| 505 | 520 | 15 | lime |
| 520 | 535 | 15 | lime |
| 535 | 550 | 15 | lime (light sand gas) |
| 550 | 565 | 15 | lime |
| 565 | 580 | 15 | brown lime |
| 580 | 595 | 15 | lime |