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AREA 640 ACRES

LOCATE WELL CORRECTLY

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 following it with (?). Submit in duplicate.

Company Gypsy Oil Company Address Box 661 - Tulsa, Oklahoma
Send correspondence to Gypsy Oil Company Address Drawer K - Hobbs, New Mexico
D.W. Hardin Well No. (1) in SE/4 of Sec. 18, T. 18S, R. 38E, N. M. P. M., Hobbs Oil Field Lea County.
If State land the oil and gas lease is No. _____ Assignment No. _____
If patented land the owner is Dan Hardin Address Hobbs, New Mexico
The lessee is Gypsy Oil Company Address Tulsa, Oklahoma
If not state or patented land, give status _____
Drilling commenced October 17, 19 32 Drilling was completed November 17, 19 32
Name of drilling contractor McQueen and Clevenger Address Fort Worth, Texas
Elevation above sea level at top of casing 3462 Darriak Floor feet.
The information given is to be kept confidential until Not confidential 19 _____

OIL SANDS OR ZONES

No. 1, from Anhydrite to 1530 No. 4, from Terry Line to 4071
No. 2, from Salt to 1640 to 2610 No. 5, from _____ to _____
No. 3, from Brown Lime to 2860 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 & PULLED FROM | PERFORATED | | PURPOSE |
|--------|-----------------|------------------|-------|--------|--------------|-------------------|------------|----|---------|
| | | | | | | | FROM | TO | |
| 13-3/8 | 54.5 | 8 | Seam. | 228' | Baker | | | | |
| 9-5/8 | 36 | 8 | Seam. | 2816' | Baker | | | | |
| 7" OD | 24 | 10 | Seam | 4024' | Baker | | | | |
| 3" | 10.2 | 11 1/2 | Seam. | 4213' | | (Tubing) | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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MUDDING AND CEMENTING RECORD

| SIZE | WHEP SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------|----------|---------------------|-------------|-------------|--------------------|
| 13-3/8 | 228' | 180 | Halliburton | | 40 ton |
| 9-5/8 | 2816' | 500 | Halliburton | | None |
| 7" OD | 4024' | 250 | Halliburton | | None |

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 4221' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

PRODUCTION

Put to producing (Will be put on Prod. 12-1-32), 19 _____
The production of the first 24 hours was 19,699 barrels of fluid of which 99 % was oil; _____ % emulsion; 1 % water; and _____ % sediment. Gravity, Be. 35.6
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1200#

EMPLOYEES

Ralph Jaroslyn _____, Driller _____, Driller
Tom McChesner _____, 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 22nd Name C. C. Cummings
T. A. Stancliff, 19 32 Position District Superintendent

GIPSY OIL COMPANY

Company or Operator

FORMATION RECORD

| FROM | TO | THICKNESS IN FEET | FORMATION |
|------|------|----------------------|------------------------------|
| 0 | 220 | 220 | Surface |
| 220 | 228 | 8 | Red Bed |
| 228 | 1250 | 1022 | Red Bed |
| 1250 | 1300 | 50 | Sand |
| 1300 | 1325 | 25 | Sand |
| 1325 | 1450 | 125 | Broken Anhydrite and sand |
| 1450 | 1540 | 90 | Red Bed and Shells |
| 1540 | 1700 | 160 | Broken Red Bed and Anhydrite |
| 1700 | 2240 | 540 | Salt |
| 2240 | 2370 | 130 | Broken Salt and Red Bed |
| 2370 | 2610 | 240 | Broken Salt and Anhydrite |
| 2610 | 2805 | 195 | Anhydrite |
| 2805 | 2820 | 15 | Grey Lime |
| 2820 | 2829 | 9 | Lime |
| 2829 | 3957 | 1128 | Anhydrite |
| 3957 | 3977 | 20 | Broken Lime and Anhydrite |
| 3977 | 4071 | 94 | Sandy Lime |
| 4071 | 4221 | 150 | Lime, TERRY |
| | | | Total Depth 4221' |
| | | | Small show gas at 2905'. |
| | | | Cored from 4022' to 4073'. |

NEW MEXICO STATE LAND OFFICE

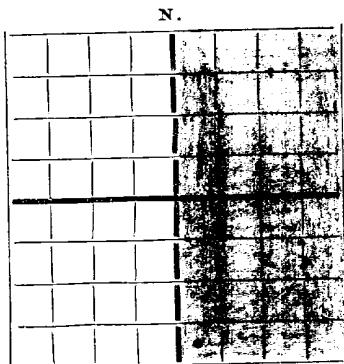
Santa Fe, New Mexico

DEPARTMENT OF THE STATE GEOLOGIST
NOTICE OF INTENTION TO DRILL NEW WELL

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector and approval obtained before drilling begins. If changes in the proposed plan are considered advisable a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval.

Mr. E.H. Wells, State Geologist. Hobbs, N. Mex., 10-5- 1932

Dear Sir: You are hereby notified that it is our intention to commence the drilling of a well to be known as D.W. Hardin Well No. (1) One in S^W SW SE of Sec. 18 T. 18 S, R. 38 E, N. M. P. M., Hobbs Oil Field Lea County 330



AREA 640 ACRES

LOCATE WELL CORRECTLY

The lessee is Gypsy Oil Company Address Box 661, Tulsa, Oklahoma

The elevation of the derrick floor above sea level is 3670 est. feet. We propose to drill well with No. Rotary tools

Make of Drill

We propose to use the following strings of casing and to land or cement them as indicated.

| Size of Casing | Weight Per Foot | New or Second Hand | Depth | Landed or Cemented |
|----------------|-----------------|--------------------|--------------|--------------------|
| <u>13-5/8"</u> | <u>54.5</u> | <u>New</u> | <u>228'</u> | <u>Cemented</u> |
| <u>9-5/8"</u> | <u>36</u> | <u>New</u> | <u>2840'</u> | <u>Cemented</u> |
| <u>6-5/8"</u> | <u>24</u> | <u>SH</u> | <u>4120'</u> | <u>Cemented</u> |

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3220' feet. Additional information: All casing strings after having been cemented will be tested by bailer method. Hole will be finished with 6-1/4" bit.

Sincerely yours,

GYPSY OIL COMPANY

Company or Operator.

Approved Oct. 7, 1932
Except as follows:

State Geologist or Oil and Gas Inspector.

T. A. Stanley

By C. C. Cummings
Position District Superintendent
Send communication regarding well to
Name C. C. Cummings
Address Drawer K - Hobbs, New Mexico

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST
NOTICE OF TEST OF WATER SHUT-OFF

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector at least five days before the test. It is desirable that a representative of the Department of the State Geologist witness the water shut-off before drilling into the productive sand whenever possible. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to sender. Submit this notice in duplicate.

Hobbs, N. Mex., October 18, 1932

Mr. E.H. Wells

State Geologist,
Santa Fe, New Mexico.

Dear Sir:

You are hereby notified that we intend to test the shut-off of water in D.H. Hardin
Well No. 1 in SE/4 of Sec. 18, T. 18S, R. 38E,
N. M. P. M., Hobbs Oil Field Lea County,
on October 18, 1932 13-3/8" 54.5' casing was ~~drilled~~ cemented in Red Bed
formation at a depth of 228' feet on October 17, 1932
180 sacks of Lone Star cement were used.

The method used in placing the cement was as follows:

Halliburton Process

Fluid level will be bailed to a depth of _____ feet and left undisturbed for at least 12 hours before your inspection.

Adjacent property owners have been notified as follows: _____

Additional information: _____

Approved _____ 18 19 32 Sincerely yours,

Except as follows:

GYPSY OIL COMPANY

Company or Operator.

By C. C. Cummings

Position District Superintendent

Send communication regarding well to

Name C.C. Cummings

Address Drawer K - Hobbs, New Mexico

T. A. Brundage
State Geologist or Oil and Gas Inspector

NEW MEXICO STATE LAND OFFICE
OFFICE OF THE STATE GEOLOGIST
SANTA FE, NEW MEXICO

MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas Inspector if possible.

Indicate nature of report by checking below:

| | | | |
|--|-------------------------------------|--|--|
| REPORT ON BEGINNING DRILLING OPERATIONS | | REPORT ON DEEPENING WELL | |
| REPORT ON RESULT OF SHOOTING WELL | | REPORT ON PULLING OR OTHERWISE ALTERING CASING | |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF | <input checked="" type="checkbox"/> | REPORT ON REPAIRING WELL | |
| REPORT ON RESULT OF ABANDONMENT OF WELL | | | |

Mr. E.H. Wells State Geologist, Hobbs, N.M. October 20, 1932
Santa Fe, N. Mex. PLACE DATE

Following is a report on the work done and the results obtained under the heading noted above at the

Gypsy Oil Company's D.H. Hardin Well No. 2 in the
COMPANY OR OPERATOR LEASE
SE/4 of Sec. 18, T. 18S, R. 38E, N. M. P. M.,
Hobbs Oil Field, Lea County.

The dates of this work were as follows: Cemented 10-17-32 - Bailed hole 10-19-32

Notice of intention to do the work was (~~was not~~) submitted on Form SG 103 on October 18, 1932, and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled plug and bailed hole and same tested okah. After approval of Mr. T.A. Stameliff, State Oil and Gas Inspector, preparations were made to drill ahead.

Subscribed and sworn to before me this

5th day of Nov, 1932.

Mary Frances Beal
NOTARY PUBLIC.

My commission expires June 10 - 34

Remarks:

I hereby swear or affirm that the information given above is true and correct.

Name C. C. Cummings

Position District Superintendent

Representing GYPSY OIL COMPANY

Address Drawer K - Hobbs, New Mexico
COMPANY OR OPERATOR.

NAME

TITLE

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST
NOTICE OF TEST OF WATER SHUT-OFF

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector at least five days before the test. It is desirable that a representative of the Department of the State Geologist witness the water shut-off before drilling into the productive sand whenever possible. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to sender. Submit this notice in duplicate.

Mr. **Hobbs,** N. Mex., **October 26,** 19**32**
Mr. **E.H. Wells**
State Geologist,
Santa Fe, New Mexico.

Dear Sir:

You are hereby notified that we intend to test the shut-off of water in **D.H. Hardin**
Well No. **1** in **SE/4** of Sec. **18**, T. **18S**, R. **38E**,
N. M. P. M., **Hobbs** Oil Field **Lea** County,
on **October 30,** 19**32** **9-5/8" 36** lb. casing was ~~landed~~ cemented in **Anhydrite**
formation at a depth of **2820** feet on **October 25,** 19**32**
500 sacks of **Lone Star** cement were used.

The method used in placing the cement was as follows:

Halliburton Process

Fluid level will be bailed to a depth of _____ feet and left undisturbed for at least 12 hours before your inspection.

Adjacent property owners have been notified as follows: _____

Additional information: _____

Approved **Oct 27 1932** Sincerely yours,

Except as follows:

GYPSY OIL COMPANY

Company or Operator.

By **C.C. Cummings**

Position **District Superintendent**

Send communication regarding well to

Name **C.C. Cummings**

Address **Drawer K - Hobbs, New Mexico**

T. C. Thacker
State Geologist or Oil and Gas Inspector.

NEW MEXICO STATE LAND OFFICE
OFFICE OF THE STATE GEOLOGIST
SANTA FE, NEW MEXICO

MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas Inspector if possible.

Indicate nature of report by checking below:

| | | | |
|--|---|--|--|
| REPORT ON BEGINNING DRILLING OPERATIONS | | REPORT ON DEEPENING WELL | |
| REPORT ON RESULT OF SHOOTING WELL | | REPORT ON PULLING OR OTHERWISE ALTERING CASING | |
| REPORT ON RESULT OF TEST OF WATER SHUT-OFF | X | REPORT ON REPAIRING WELL | |
| REPORT ON RESULT OF ABANDONMENT OF WELL | | | |

Hobbs, New Mexico November 10, 1932

Mr. E.H. Wells State Geologist,

PLACE

DATE

Santa Fe, N. Mex.

Following is a report on the work done and the results obtained under the heading noted above at the

Gypsy Oil Company

D.W. Hardin

Well No. (1) in the

COMPANY OR OPERATOR

LEASE

SE/4

of Sec. 18

T. 18S

R. 38E

N. M. P. M.,

Hobbs

Oil Field,

Lea

County.

The dates of this work were as follows: Cemented 10-25-32 - Bailed hole 10-30-32

Notice of intention to do the work was (was not) submitted on Form SG 103 on October 28, 19 32, and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled plug and bailed hole, same tested okeh. After approval of Mr. T.A. Stancliff, State Oil and Gas Inspector, preparations were made to drill ahead.

Subscribed and sworn to before me this

22nd day of Nov, 1932.

Mary Frances Beal
NOTARY PUBLIC.

My commission expires June 10-34

I hereby swear or affirm that the information given above is true and correct.

Name T.A. Stancliff

Position DISTRICT SUPERINTENDENT

Representing GYPSY OIL COMPANY

Address DRAWER K - HOBBS, NEW MEXICO

Remarks:

T.A. Stancliff
NAME T. A. STANCLIFF TITLE DISTRICT SUPERINTENDENT

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST
NOTICE OF TEST OF WATER SHUT-OFF

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector at least five days before the test. It is desirable that a representative of the Department of the State Geologist witness the water shut-off before drilling into the productive sand whenever possible. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to sender. Submit this notice in duplicate.

Hobbs, N. Mex., November 11, 1932

Mr. E.H. Wells

State Geologist,
Santa Fe, New Mexico.

Dear Sir:

You are hereby notified that we intend to test the shut-off of water in D.E. Hardin
Well No. (1) in SE/4 of Sec. 18, T. 18S, R. 38E,
N. M. P. M., Hobbs Oil Field Lea County,
on November 15 1932 7" OD 24 lb. casing was ~~bracket~~ cemented in Lime
formation at a depth of 4024' feet on November 10, 1932
250 sacks of Lone Star cement were used.

The method used in placing the cement was as follows:

Halliburton Process

Fluid level will be bailed to a depth of _____ feet and left undisturbed for at least 12 hours before your inspection.

Adjacent property owners have been notified as follows: _____

Additional information: _____

Approved Nov 14 1932 Sincerely yours,

Except as follows:

GYPSY OIL COMPANY

Company or Operator.

By C.C. Cummings

Position **District Superintendent**

Send communication regarding well to

Name **C.C. Cummings**

Address **Drawer K - Hobbs, New Mexico**

T. A. Blawie
State Geologist or Oil and Gas Inspector.

March 13, 1933

Gypsy Oil Company,
Drawer K.,
Hobbs, New Mexico

Att: Mr. Cummings.

Dear Sir:

My records does not have a copy of REQUEST
FOR PERMISSION TO CONNECT TO PIPE LINE on your
Hardin Well #1 in the SW SE Sec 18, T. 18 S., R. 36 E.

In case you have all ready obtained permission
on this well, please make a copy and forward it for
my file. Otherwise please make this out in triplicate
and forward to me. An approved copy will be returned
to you.

As this well was completed prior to taking
over that territory I do not know just what has been
done and the only way I have of knowing is what I
have in the files, thank you.

Very truly yours,

J. E. Hunter,
Oil & Gas Inspector.

NEW MEXICO STATE LAND OFFICE
SANTA FE, NEW MEXICO

DEPARTMENT OF THE STATE GEOLOGIST
NEW MEXICO SCHOOL OF MINES
SOCORRO, NEW MEXICO

REQUEST FOR PERMISSION TO CONNECT WITH PIPE LINE

This request should be made in triplicate. Permission of the Commissioner of Public Lands should be obtained before connecting.

Hobbs, N. Mex., March 15, 19 33

Mr. E.H. Wells

State Geologist,
Socorro, N. Mex.

Dear Sir:

Permission is requested to connect D.W. Hardin

Wells No. 1 in SE/4 of Sec. 18

T. 18S, R. 38E, N. M. P. M., Hobbs

Field, Lea County, with the pipe line of the

Humble Pipe Line Company

Name of Pipe Line Company

Logs of the above wells were filed with the State Geologist January, 19 33

All other requirements have been complied with.

DUPLICATE

Yours truly,

GYPSY OIL COMPANY

Owner or Operator

Permission is hereby
granted to make pipe line
connections requested
above.

By A. C. Cummings

Position District Superintendent

Address Drawer K - Hobbs, New Mexico

Approved Mar 20 19 33

Commissioner of Public Lands.

E. H. Wells

State Geologist

Date _____ 19 _____