

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	80		Surface
80	105		Sand
105	185		Sand and Shells
185	200		Red Bed
200	215		Sand
215	219		Hard Shell
219	222		Red Bed
222	222		Shale and Shells
222	1188		Shale and Shells
1188	1300		Broken Lime
1300	1340		Hard Sand
1340	1595		Shale and Shells
1595	1610		Red Bed
1610	1685		Shale and Shells
1685	2550		Salt
2550	2630		Salt and Anhydrite
2630	2750		Anhydrite
2750	2848		Anhydrite
2848	2867		Lime
2867	2885		Anhydrite
2885	2900		Lime, Brown
2900	3570		Anhydrite
3570	3585		Lime
3585	3830		Anhydrite
3830	4033		Anhydrite and Lime
4033	4151		Sandy Lime
4151	4253		Terry Lime

Total Depth 4253 Terry Lime, top 4151

Santa Fe, New Mexico

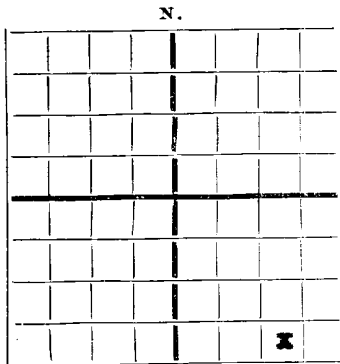
DEPARTMENT OF THE STATE GEOLOGIST

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., 12-6 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. (2) in SE 1/4 NE 1/4 of Sec. 18 T. 18S, R. 30E, N. M. P. M., Hobbs Oil Field Lea County



AREA 640 ACRES

LOCATE WELL CORRECTLY

The well is 330 feet (N.) of South line and 990 feet (E.) of East line of Section 18-18-36
(Give location from section or other legal subdivision lines. Cross out wrong directions.)
If state land the oil and gas lease is No. _____
Assignment No. _____
If patented land the owner is D.W. Hardin
Address Hobbs, New Mexico

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>13-3/8"</u>	<u>54.5</u>	<u>New</u>	<u>230'</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>4240'</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 4100 feet.
Additional information:

Sincerely yours,

GYPSY OIL COMPANY

Company or Operator.

Approved December 23, 1932

Except as follows:

As per letter of Dr. E.H. Wells to Mr. C.C. Cummings of December 17 1932

State ~~Geologist~~ Oil and Gas Inspector.

P. 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
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	X	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		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF ABANDONMENT OF WELL			

Hobbs, N.M. March 8, 1933

PLACE

DATE

Mr. E.H. Wells State Geologist,

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's D.W. Hardin Well No. (2) in the

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: Drilling started 12-11-1932

Notice of intention to do the work was (~~was not~~) submitted on Form SG 101 on December 6, 1932, and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Subscribed and sworn to before me this

9th day of March, 1933

Mary Frances Beal
NOTARY PUBLIC

My commission expires June 10 1933

Remarks:

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

Name C. C. Cunningham

Position District Superintendent

Representing GYPSY OIL COMPANY
COMPANY OR OPERATOR

Address Hobbs, New Mexico

APPROVED AND

J. B. Hunter

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., December 12, 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. F. Hardin
Well No. (2) in SE/4 of Sec. 18, T. 18S, R. 38E,
N. M. P. M., Hobbs Oil Field Lea County,
on December 12, 1932 13-3/8" 54.5 lb. casing was ~~placed~~ cemented in Red Bed
formation at a depth of 213' feet on December 12, 1932
300 sacks of Dewey Portland cement were used.

The method used in placing the cement was as follows:

Haliburton 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 _____ 19 _____ Sincerely yours,

Except as follows:

Received under
Postmark of
Dec 19th
D. F. Stanley
State Geologist or Oil and Gas Inspector.

GYPSY OIL COMPANY

Company or Operator.

By *C.C. Cummings*

Position District Superintendent

Send communication regarding well to

Name C.C. Cummings

Address Drawer A - Hobbs, New Mexico

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			

Hobbs, N.M.

December 19, 1932

PLACE

DATE

Mr. E.H. Wells State Geologist,

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's D.W. Hardin Well No. (2) in the

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 12-12-32 - Tested hole 12-14-32

Notice of intention to do the work was (was not) submitted on Form SG 103 on December 12, 1932, and approval of the proposed plan was (waived) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

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

DUPLICATE

Subscribed and sworn to before me this

20 day of Nov, 1932.

Mary Louisa 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

NAME

TITLE

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

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the State Geologist or proper Oil and Gas Inspector at least five days before the work specified is to begin. A copy will be returned to the sender on which will be given the approval with any modifications considered advisable or the rejection by the State Geologist or Oil and Gas Inspector of the plan submitted. The plan as approved should be followed and work should not begin until approval is obtained.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO CHANGE PLANS	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL	<input type="checkbox"/>		
NOTICE OF INTENTION TO DEEPEN WELL	<input type="checkbox"/>		

Hobbs, N.M.

PLACE

January 18, 1933

DATE

Mr. E.H. Wells State Geologist,
Santa Fe, N. Mex.

Following is a notice of intention to do certain work as described below at the Gypsy Oil Company's

D.W. Hardin Well No. (2) in SE Quarter
COMPANY OR OPERATOR LEASE
 of Sec. 18, T. 18S, R. 38E, N. M. P. M., Hobbs
 Oil Field, Lea County.

DETAILS OF PROPOSED PLAN OF WORK

This report made after approval of proposed plan of work was obtained from Mr. E.H. Wells. Intend to run only one string of casing below surface casing if after coring and testing the Bowers Sand horizon and same shows neither oil or gas. Cored from 3274 to 3345' and found neither a show of oil or gas. Resumed drilling ahead and cemented 8-5/8" OD casing at 4033' with 500 sack cement.

DUPLICATE

Approved 1-24, 1933
except as follows:

Orig: Santa Fe
Copy: Carlsbad
..: Returned.

L.H. Hunter Insp.
NAME TITLE
Address Box 522 Carlsbad

GYPSY OIL COMPANY
COMPANY OR OPERATOR
By C.C. Cummings
Position District Superintendent
Send communications 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., January 20, 1933

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.W. Hardin
Well No. (2) in SE/4 of Sec. 18, T. 18S, R. 38E,
N. M. P. M., Hobbs Oil Field Lea County,
on January 7, 1933 8-5/8" 32 lb. casing was ~~drilled~~ cemented in Lime
formation at a depth of 4022 feet on January 7, 1933
500 sacks of Dewey Portland 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: _____

DUPLICATE

Approved 1-20 1933 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

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 January 20, 1933

PLACE

DATE

Mr. E.H. Wells State Geologist,

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's

D.W. Hardin

Well No. (2) in the

COMPANY OR OPERATOR

LEASE

SE/4 of Sec. 16, T. 18S, R. 38E, N. M. P. M.,

Hobbs

Oil Field,

Lea

County.

The dates of this work were as follows: Cemented 1-7-33 - Tested Hole 1-12-33

Notice of intention to do the work was (was not) submitted on Form SG 103 on January 20, 1933, and approval of the proposed plan was (~~was not~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled cement and plug, bailed hole and same tested okeh. After approval of Mr. J.D. Hunter, State Oil and Gas Inspector, preparations were made to drill ahead.

DUPLICATE

Subscribed and sworn to before me this

24 day of Jan, 1933.

May Frances Barber

NOTARY PUBLIC.

My commission expires June 10-33.

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

Name W. C. Cunningham

Position District Superintendent

Representing GYPSY OIL COMPANY

COMPANY OR OPERATOR.

Address DRAWER K - HOBBS, NEW MEXICO

Remarks:

APPROVED AS G. O.

J. D. Hunter

NAME

TITLE

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., February 12, 19 33

Mr. E.H. Wells.....

State Geologist,
Socorro, N. Mex.

Dear Sir:

Permission is requested to connect Gypsy Oil Company's - D.W. Hardin.....

Wells No. (2) 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 February 12, 19 33

All other requirements have been complied with.

Yours truly,

DUPLICATE

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

GYPSY OIL COMPANY.....

Owner or Operator

By [Signature].....

Position District Superintendent.....

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

Approved Feb 23 19 33

[Signature]

Commissioner of Public Lands.

State Geologist

Date 19.....