

Case No.

1109

Application, Transcript,
Small Exhibits, Etc.

CASE 1109: Application of Jake L. Hamon &
Warren Petr. Corp. for order to convert non-
productive Willholt #2 Well into a salt water
disposal well.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

September 6, 1956

C
O
P
Y

Mr. Jake L. Hamon
102 Western Building
Midland, Texas

Dear Sir:

We enclose two copies of Order E-861 issued August 30, 1956,
by the Oil Conservation Commission in Case 1109, which was heard
on July 25th at Hobbs.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

brp
Encls.

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF NEW
MEXICO FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 1109
Order No. R-861

APPLICATION OF JAKE L. HAMON AND
WARREN PETROLEUM CORPORATION FOR
AN ORDER GRANTING PERMISSION TO
CONVERT INTO A SALT WATER DISPOSAL
WELL ITS NON-PRODUCTIVE D. F.
WILLHOIT NO. 2 WELL IN THE SOUTH
KNOWLES DEVONIAN POOL, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:00 a.m. on
July 25, 1956, at Hobbs, New Mexico, before Daniel S. Nutter,
Examiner duly appointed by the New Mexico Oil Conservation
Commission, hereinafter referred to as the "Commission," in
accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 30th day of August, 1956, the
Commission, a quorum being present, having considered the
application, the evidence adduced, the recommendations of the
Examiner, Daniel S. Nutter, and being fully advised in the
premises,

FINDS:

1. That due public notice having been given as
required by law, the Commission has jurisdiction of this cause
and the subject matter thereof.
2. That the applicant, Jake L. Hamon and Warren
Petroleum Corporation, is the operator of the D. F. Willhoit
No. 2 Well located 660 feet from the South and West lines of
Section 18, Township 17 South, Range 39 East, NMPM, Lea County,
New Mexico.
3. That the said D. F. Willhoit No. 2 Well was
drilled to the Devonian formation and found to be non-productive
of oil or gas.
4. That the injection of salt water at a shallower
depth into the said D. F. Willhoit No. 2 Well at an interval between
5000 feet and 7000 feet will not adversely affect any productive
horizon in the area.

IT IS THEREFORE ORDERED:

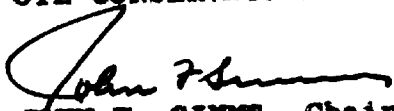
1. That the applicant, Jake L. Hamon and Warren
Petroleum Corporation be and the same is hereby granted permission

-2-
Order No. R-881

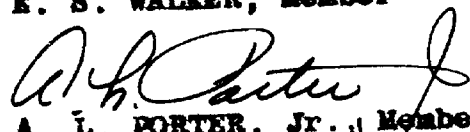
to inject salt water into the interval between 5000 feet and 7000 feet through its D. F. Willhoit No. 2 Well located 660 feet from the South and West lines of Section 18, Township 17 South, Range 39 East, NMPM, Lea County, New Mexico.

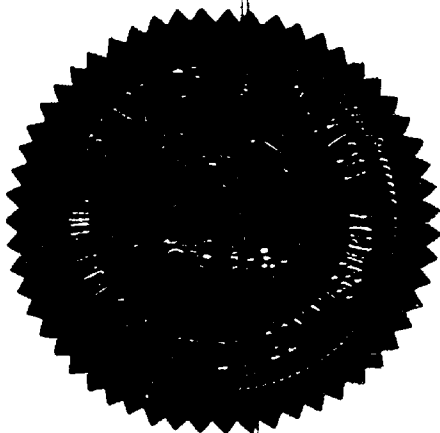
DONE at Santa Fe, New Mexico on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JOHN F. SIMMS, Chairman


E. S. WALKER, Member


A. L. PORTER, Jr., Member & Secretary



1r/

BEFORE THE
Oil Conservation Commission
SANTA FE, NEW MEXICO
July 25, 1956

IN THE MATTER OF:

CASE NO. 1109

TRANSCRIPT OF PROCEEDINGS

DEARNLEY-MEIER AND ASSOCIATES
COURT REPORTERS
605 SIMMS BUILDING
TELEPHONE 3-6691
ALBUQUERQUE, NEW MEXICO

BEFORE THE
OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO
JULY, 25, 1955.

IN THE MATTER OF:

CASE 1109: Application of Jake L. Hamon and Warren Petroleum Corporation for an order granting permission to convert their non-productive D. F. Willhoit No. 2 Well located in the South Knowles Devonian Pool, Lea County, New Mexico, into a salt water disposal well in compliance with Rule 701 of the New Mexico Oil Conservation Commission Statewide Rules and Regulations. Applicant, in the above-styled cause, seeks an order granting permission to convert their non-productive D. F. Willhoit No. 2 Well into a salt water disposal well. Applicant proposes to inject salt water into the well at a strata between 5,000 and 7,000 feet; said well is located 660 feet from the South and West lines of Section 18, Township 17 South, Range 39 East, South Knowles Devonian Pool, Lea County, New Mexico.

BEFORE:

MR. DANIEL S. NUTTER, Examiner.

P R O C E E D I N G S

MR. NUTTER: The next case is 1109.

MR. GURLEY: Application of Jake L. Hamon and Warren Petroleum Corporation for an order granting permission to convert their non-productive D. F. Willhoit No. 2 Well located in the South Knowles Devonian Pool, Lea County, New Mexico, into a salt water disposal well in compliance with Rule 701 of the New Mexico Oil Conservation Commission Statewide Rules and Regulations.

MR. SHAW: I wish to represent Jake L. Hamon and Warren Petroleum Corporation in this case.

MR. GURLEY: Do you have a witness?

MR. SHAW: I will be my own witness.

MR. GURLEY: All right.

(Witness sworn.)

HOWARD W. SHAW

a witness, on behalf of the applicant, having been first duly sworn on oath, testified as follows:

DIRECT EXAMINATION

BY MR. GURLEY:

Q Would you state your name, please?

A I am Howard W. Shaw; I reside in Odessa, Texas. I am employed by Jake L. Hamon as an engineer. I wish to represent Jake L. Hamon and Warren Petroleum Corporation in presenting this evidence in support of our request for a salt water disposal system.

Q I would like to ask you a question or two. Have you ever testified before this Commission before? A No.

Q Give us a general background of your education so we can take you as an expert witness.

A I am a graduate petroleum engineer from the University of Texas, I have six and a half years field experience, last five years in West Texas and New Mexico.

MR. NUTTER: The witness' qualifications are acceptable.

A We feel that it will be in the best interest of conservation and production of fresh water sand to set up this disposal system.

We wish to use our D. F. Willhoit No. 2, located in the SW/4 SW/4

Section 18, Township 17 South, Range 39 East, for a disposal well. This was drilled to a depth of 12,310 feet; dry and abandoned on May 16, 1956, temporarily abandoned with the permission of the Oil Conservation Commission by putting a cement plug from 11,400 to 595 feet.

Now, this well, we have run 326 feet of 13 and 3/8 inch 48 pound H-40 new casing, also ran 5,000 feet of 9 and 5/8 inch J 5536 and 40 pound casing, also new and cemented from bottom to top. We propose to inject salt water into the zone between 5,000 and 7,000 feet. This includes the San Andres, Glorieta and Clear Fork Formations.

Now, the nearest production in these zones, as I understand it, is in Brownfield, located approximately six miles to the northeast, producing from the Glorieta; Carter field, four miles to the south, from the San Andres. These formations are non-productive in the area where we wish to set up this system, and we can't see any possible damage to the production in the other areas. In fact, we might help them by partial flood.

Now, this Willhoit No. 2, we have not yet tested this zone to see whether it will take water, but we have evidence from other parts of the field, as in Federal Davis No. 1, we lost circulation at a depth of 6,920 feet, and it took approximately 40 cement jobs to seal off this lost circulation; Holloway No. 1 lost circulation in the same zone. In order to determine a little more about this, a drill stem was run from 4943 feet to 6340; 45 minute test recovered 6100 feet of salt water. Amerada is injecting into what we feel

to be the same zone approximately three miles north in the Knowles Field.

At the present time we are producing approximately 1,000 barrels of salt water per day from our ten wells in this field. That is a little too much to get rid of by open pit evaporation. We propose to set up a closed disposal system using contamination water filter and treater at the disposal well site to the gathering lines of six inch cement lined pipe; the water to be brought to the treater by combination of hydrostatic head and gas pressure from our vertical emulsion treaters at our various tank batteries.

We propose to inject down nine and five eights casing directly, if, however, by observation and test, it should prove that this is being damaged by salt water, we will be glad to run a string of tubing to inject and pack off the casing.

This is all the evidence I have to present, sir.

BY MR. NUTTER:

Q How would you know whether the casing was being damaged by corrosion?

A Well, the only way that we would have to test that I know of would be from examining it, taking the head off at the top of the well and examining it close to the top.

Q I see. Do you propose to have any pressure on the water at the top of the injection well?

A Well, I don't propose to at the present time. I believe that it will go in on a vacuum. I have examined Amerada's system, which

6
we think is injecting into the same zone to the north of us, and their water is going in at a vacuum of approximately 27 points.

Q One other thing, you submitted an electric log with your application; Willhoit No. 2 is the injection well, is it not?

A That is correct.

Q This log on the Willhoit No. 2 has the top of the San Andres being marked at 5420 on it, and your application gives it as 4935. What is correct on that?

A The information I have here was received from our geologist in Midland, top of the San Andres, 4935.

Q As given in the letter of application?

A Yes, sir.

Q There is a discrepancy in the Clear Fork and Tubb, however, you will inject in open hole from 5 to 7000 feet?

A That is right.

MR. NUTTER: Does anyone have any questions of the witness?

Did you have any exhibits?

A I have a plat showing what we have in the hole here that I would like to submit.

MR. NUTTER: The plat has been marked Exhibit No. 1 in Case 1109. Is there any objection to the receipt of this Exhibit in evidence in this case? If not, it will be received.

Does anyone else have any questions of the witness? If not, he will be excused.

Is there anything else to be presented in this case? If not, we

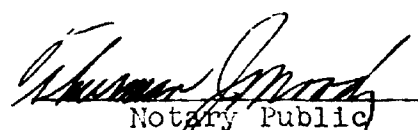
will take the case under advisement.

* * * * *

STATE OF NEW MEXICO)
: ss
COUNTY OF BERNALILLO)

I, THURMAN J. MOODY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in stenotype and reduced to typewritten transcript by me and/or under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS MY HAND AND SEAL, this, the 6th day of August, 1956, in the City of Albuquerque, County of Bernalillo, State of New Mexico.


Notary Public

My Commission expires:
April 3, 1960.

MAIN OFFICE OCC

JUN 26 AM 8:10

JAKE L. HAMON
OIL PRODUCER
102 WESTERN BUILDING
MIDLAND, TEXAS

June 26, 1956

Case 1109

Oil Conservation Commission
Attn: Mr. W. W. Mankin
Box 871
Santa Fe, New Mexico

RE: Use of D. F. Willhoit # 2
as Water Disposal Well

Dear Sir:

This is to advise that we would like to withdraw our application for a Hearing before the Full Commission on the above referred to well; instead, we would like to have this case heard before an Examiner at your earliest convenience.

Again we would like to thank you for the consideration that you have shown us in this matter.

Yours very truly,

JAKE L. HAMON AND
WARREN PETROLEUM CORPORATION

BY 
J. W. Pettus, Chief Clerk

JWP:MD
cc J. S. Ewing
Ed Calvert
Frank Wolfe
Chester Phillips

JAKE L. HAMON
OIL PRODUCER
102 WESTERN BUILDING
MIDLAND, TEXAS
JUN 20 1956

Oil Conservation Commissions
Mr. W. W. Mankin
Box 871
Santa Fe, New Mexico

RE: Use of D. F. Willhoit # 2,
Section 18, T-17-S, R-39-E,
Lea County, New Mexico, for
salt water disposal well.

Dear Sir:

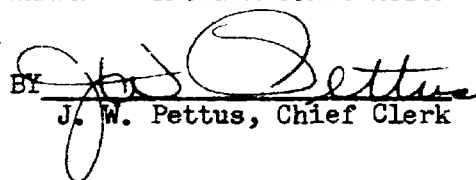
Enclosed are two copies of application for hearing letter
for the above referred to well, one copy of form C-128,
well location plat, and one copy of the electric log
marked as you requested.

As of now, 9:00 a.m. August 15, 1956, will be satisfactory
to us for a regular hearing on this application. If we
so desire a change of this date and time we shall request
it in writing.

We wish to thank you for your interest and consideration
that you have shown us in this matter.

Very truly yours,

JAKE L. HAMON &
WARREN PETROLEUM CORPORATION

BY 
J. W. Pettus, Chief Clerk

JWP:MD
Encl. 4
cc J. S. Ewing
Frank Wolfe
Ed Calvert
Chester Phillips

MAIL OFFICE JAKE L. HAMON
OIL PRODUCER
102 WESTERN BUILDING
MIDLAND, TEXAS
JUN 15 1956

*Regular
Hessy's
ON Aug 15th
7/11*

*660' FS & WL
ser. 18
T 175
R 39E*

Oil Conservation Commission
Box 2045
Hobbs, New Mexico

Hamon & Warren

Gentlemen:

Please accept this letter as application for a hearing to use our D. F. Willhoit # 2 well as a salt water disposal well.

The strata that we propose to inject into will be at a point somewhere between 5000' and 7000'. This interval contains three formations, namely: San Andres from 4953' to 6000'; Glorieta from 6000' to 6165'; Clearfork from 6165' to base of 7750'.

This well has never produced oil from any formation, but off set wells are producing from the devonian formation. Our casing program in this well was as follows: 13 3/8" casing set at 326.27' KB and cemented to top; 5000.50' KB of 9 5/8" casing cemented to top. This casing was new and tested to specifications during the drilling of this well, but we do plan to test casing before injecting disposal water in this well.

Water to be disposed of is water that has been produced with oil out of the devonian formation in our South Knowles Devonian Field. The estimated amount to be disposed of daily is 175 barrels per day, but will probably increase in the future.

The operator of this project is to be Jake L. Hamon and Warren Petroleum Corporation, 102 Western Building, Midland, Texas.

Enclosed is a plat showing all required information as requested under rule 701, paragraph B, article 1. Also, enclosed is an electric log of the proposed disposal well.

Thanking you in advance, we remain,

Yours very truly,

JAKE L. HAMON & WARREN PETROLEUM CORP.

BY *J. W. Pettus*
J. W. Pettus, Chief Clerk

JWP/md
cc J. S. Ewing
Frank Wolfe
Ed Calvert
Chester Phillips
Encl. 2

*Sent
copy
to
for 7/15
on 7/13/12
me*

NEW MEXICO
OIL CONSERVATION COMMISSION

Form C-128

Well Location and/or Gas Proration Plat

Date 2-15-56

Operator J. L. HAMMON & WARREN PETROLEUM CO. Lease 215 N. 4000'

Well No. 2 Section 9 Township 17S Range 39E NMPM

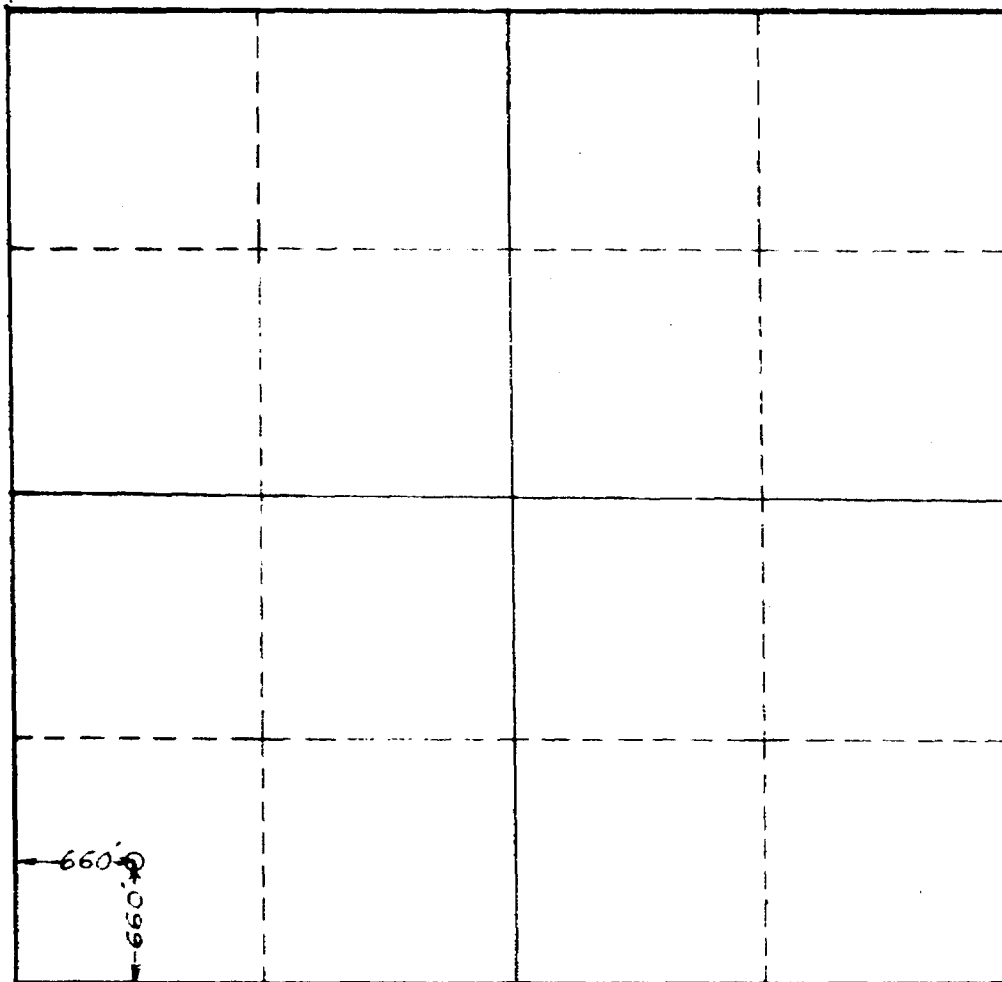
Located 660 Feet From SOUTH Line, 660 Feet From WEST Line,

LEA

County, New Mexico. G. L. Elevation 3672

Name of Producing Formation Devonian Pool So. Encinas Dedicated Acreage 20.00
Dev.

(Note: All distances must be from outer boundaries of Section)



1. Is this Well a Dual Comp.? Yes No X

2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage? Yes No

Name [Signature]
Position Chief Clerk
Representing J. L. Hammon Warren Pet. Corp.
Address 202 Westwood Bldg. Midland, Texas

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed 2-15-1956
[Signature]
Registered Professional Engineer and/or Land Surveyor

JAMES L. HAYES & WARREN PETROLEUM CORP.

D. F. WILHIGHT NO. 2

660' PSI & 660' PSL of Sec. 18, T-17-S, R-39-E, Lea County, New Mexico

326' of 15 3/8" 48- II-40 Csg. cemented to surface

5000' of 9 5/8" 36# & 40- J-55 Csg. cemented to surface

Proposed injection zone 5000' - 7000'

4953' - 6000'

San Andres

6000' - 6165' Glorieta

6165' - 7750'

Clearfork

11,400' - 11,595' Cement plug

12,316' T. D.

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CASE 1107 EXHIBIT No. 1