

CASE 1171: Application of Neil
H. Wills for six (6) unorthodox
well locations in exception to 104 (c)

Case No.

1171

Application, Transcript,
Small Exhibits, Etc.

BEFORE THE
OIL CONSERVATION COMMISSION
Albuquerque, New Mexico
October 31, 1946

* * * * *
IN THE MATTER OF: *
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CASE 1171 *
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TRANSCRIPT OF PROCEEDINGS

BEFORE THE
OIL CONSERVATION COMMISSION
Hobbs, New Mexico
October 31, 1956

IN THE MATTER OF:

The application of Neil H. Wills for approval of six (6) unorthodox well locations in the Russell Pool, Eddy County, New Mexico, in exception to Rule 104 (c) of the New Mexico Oil Conservation Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order authorizing the following unorthodox well locations in Section 13, Township 20 South, Range 28 East, Eddy County, New Mexico, in the Russell Pool.

Well No. 26: 1305 feet from North line and 1980 feet from East line.

Well No. 27: 1325 feet from South line and 660 feet from West line.

Well No. 28: 1325 feet from South line and 1315 feet from West line.

Well No. 29: 1325 feet from South line and 5 feet from West line.

Well No. 30: 660 feet from South line and 5 feet from West line.

Well No. 31: 660 feet from South line and 1315 feet from West line.

Well No. 26 is a producing oil well and Wells No. 27 through No. 31 are proposed water injection wells to implement the applicant's water flood program in the Russell Pool as authorized by Order R-263 and R-899.

BEFORE:

Warren W. Mankin, Examiner

TRANSCRIPT OF HEARING

EXAMINER MANKIN: The next and last case on the Docket today is Case No. 1171.

CURLEY: Case 1171, the application of Neil H. Wills for approval of six (6) unorthodox well locations in the Russell Pool, Eddy County, New Mexico, in exception to Rule 104 (c) of the New Mexico Oil Conservation Commission's Rules and Regulations.

CASE NO. 1171

NEIL H. WILLS

having first been duly sworn in testified as follows:

WILLS: I have not brought in any Exhibits and I don't know just exactly what to talk about on this application because its very apparent what I want on the application itself. I would be glad to answer any questions however, that might come up.

GURLEY: You're asking for six (6) unorthodox locations, is that correct Mr. Wills?

A. Thats right.

Q. And what is the reason that you want these locations approved?

A. Well, in the case of Well No. 26, I want the location approved in order to be able to produce No. 26 Well. The 26 Well was drilled originally as a gas input well, and since we have abandoned our gas repressuring of about two months ago, we want to - - - - in fact, we have converted the well into an oil well, and this application probably should have been made two months ago, this thing just slipped my mind because it is a non-standard location, and therefore I should have had approval and it just slipped my mind, actually it has been producing about two months. The other five locations are possible water input wells to supplement the flood at the south end of the field. We are having trouble getting water in the sand in the south end of the field and we are going to try to drill at least one and see if a different completion than in the original oil well - - - - - you see the original oil wells were, the pipe was set about sixty or seventy feet above the sand and shot, and we've had some Thies zones apparently around the sand in the south end. We have'nt had the trouble at the north end, so if this new well - - - - - or well that we may drill, we will run pipe through the sand and gas perforate, and get our water exactly the way we want it, into the sand exactly the way we want it, thats the reason for the last five.

EXAMINER MANKIN: Then these five unorthodox well locations, Mr. Wills, are to supplement the water flood already in progress?

A. That's right.

Q. In the Russel Pool?

A. Right.

EXAMINER MANKIN: You're going to try the wells and put - - - - - and drill just one well at the time to determine what is necessary for water injection?

A. Well, my present plan was to drill only one to see if we are able then to get water in the sand successfully. It will probably be Well No. 27, and if it looks like we are able to get water in the sand, then we would probably like to drill all of those, the whole five, but certainly we will only drill one at this time but it seemed like it was silly to get approval for one and then come back later and get approval for the other 4. I thought I would do it all at once. - - - - -

GURLEY: Well, it is a strong possibility that you won't drill the remaining wells, is that correct sir?

A. No, I rather think we'll drill them all, but we are not sure until we try one.

GURLEY: Have you received permission from the USCS on drilling these wells?

A. I haven't asked for permission.

Q. This is federal acreage though - - - - -

A. Its federal acreage, I assume that they would ask that I get permission from the Conservation first. I don't believe there will be any problem in getting their permission.

Q. And you have already drilled Well 27?

A. Years ago, we drilled probably in '48 as a gas input well. Its never been a producing oil well until the last month or so.

WILLS: (Continued) I think it was taken off about two months ago and probably on the last month.

EXAMINER MANKIN: I don't believe that your modification indicated the name of the lease. You indicated that it was a Federal lease, but that it not have a particular name, at the time it would be well 25 through 317

A. Well, the lease is in my name. The Federal 00797, the Government 00797 in my name, Neil Wills lease.

Q. In spite of that, I mean does these wells not have a name other than your own which is carried as on the schedule or in this particular Russell Pool?

A. All my wells have been Neil Wills's et al, No. 1 Wills, and so on down.

Q. Oh, I see, then but the name is Wills?

A. That's right.

Q. Wills is the name? I see.

A. That's right.

Q. To reiterate here again, where is the water to come from for these water input wells? What source?

A. It comes from a lime zone that's about the base of the Yates, or about the top of the Reef as I have interpreted.

Q. At about what depth?

A. At about a 1,000 feet.

Q. At about a 1,000 feet?

A. The oil sand is at about 750 to 800 and the water around 1,000 to 1,100 depending on the position.

Q. So the water source is from below the producing or flooded interval?

A. That's right.

Q. You said it was coming from the base of the Yates whereas the production is also from the Yates, isn't it?

A. Top sand in the Yates.

Q. Top sand in the Yates?

A. I presume that they would call it the top of the Seven Rivers, the water zone. The fluid zone is found in every well drilled as far as I know in that area from Carlsbad to Lea. You see their oil - - - - - its also the Getty Oil Zone or the Parker Oil Zone, thats the zone that produces oil farther east.

Q. These locations which you have proposed here, for 26 which is already drilled and for 27 through 31 which may be drilled now are not on a quarter quarter section line, is that correct?

A. Thats right, I have set them out five feet from the corner in each case.

Q. So they can be put in a particular unit?

A. Thats right. In fact, the first wells - - - - - 27, 28 and 29 would be Unit L and Well 30 and 31 would be Unit M. of Section 13. Well 26 is in Unit B of Section 13.

Q. Is there a question of the witness in this case? If there is nothing further, the witness may be excused and we will take the case under advisement. The hearing is adjourned.

STATE OF NEW MEXICO)
 : ss
COUNTY OF SANTA FE)

I, Doris Arnold, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Commission Examiner at Hobbs, New Mexico, is a true and correct record, to the best of my knowledge, skill and ability.

Dated at Santa Fe, New Mexico this 8th day of January, 1957.

Doris Arnold

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. 1171
Order No. R-931

APPLICATION OF NEIL H. WILLS FOR
AN ORDER GRANTING APPROVAL OF SIX
(6) UNORTHODOX WELL LOCATIONS IN
THE RUSSELL POOL, EDDY COUNTY, NEW
MEXICO, SAID WELLS ALL BEING
LOCATED IN SECTION 13, TOWNSHIP 20
SOUTH, RANGE 28 EAST, NMPM, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
October 31, 1956, at Hobbs, New Mexico, before Warren W. Mankin,
Examiner duly appointed by the Oil Conservation Commission of New
Mexico, hereinafter referred to as the "Commission," in accordance
with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 27th day of November, 1956, the Commission,
a quorum being present, having considered the application, the
evidence adduced, the recommendations of the Examiner, Warren W.
Mankin, and being fully advised in the premises,

FINDS:

(1) That due notice of the time and place of hearing
and the purpose thereof having been given as required by law, the
Commission has jurisdiction of this case and the subject matter
thereof.

(2) That applicant, Neil H. Wills, is the owner of the
Wills Well No. 26 located 1305 feet from the North line and 1980
feet from the East line of Section 13, Township 20 South, Range 28
East, NMPM, Russell Pool, Eddy County, New Mexico, an unorthodox
location, said well now being productive of oil.

(3) That applicant proposes to drill five additional
wells in said Section 13 on unorthodox locations to supplement the
water flood project in the Russell Pool.

(4) That approval of the application will prevent
waste and will not adversely effect correlative rights.

-2-

Case No. 1171
Order No. R-921

IT IS THEREFORE ORDERED:

That application of Neil H. Wills for an order granting approval of the following unorthodox well locations in Section 13, Township 20 South, Range 28 East, NMPM, Russell Pool, Eddy County, New Mexico:

Wills Well No. 26: 1305 feet from the North line and 1980 feet from East line.

Wills Well No. 27: 1325 feet from South line and 660 feet from West line.

Wills Well No. 28: 1323 feet from South line and 1315 feet from West line.

Wills Well No. 29: 1325 feet from South line and 5 feet from West line.

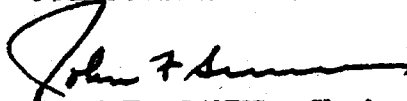
Wills Well No. 30: 660 feet from South line and 5 feet from West line.

Wills Well No. 31: 660 feet from South line and 1315 feet from West line.

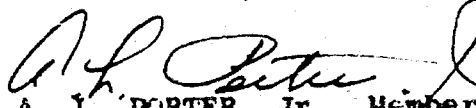
be and the same is hereby approved.

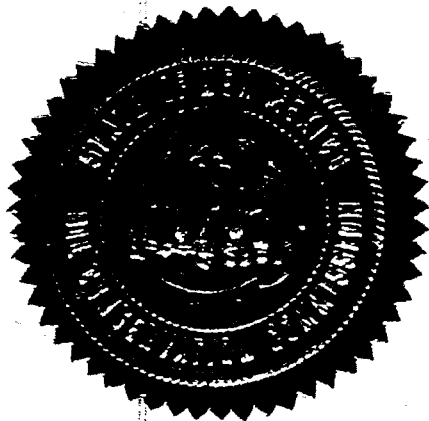
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION


JOHN F. SIMMES, Chairman


E. S. WALKER, Member


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



ir/

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 29, 1956

C
O
P
Y

Mr. Neil H. Wills
P. O. Box 529
Carlsbad, New Mexico

Dear Sir:

We enclose a copy of Order R-921, issued on November 27, 1956, by the Oil Conservation Commission in Case 1171, which was heard on October 31, 1956, in Hobbs, New Mexico.

Very truly yours,

A. L. Porter, Jr.
Secretary-Director

jh
encl.

Case # 1171 EX Hg
@HHC
10/31/54
before W.H.M.

NEIL H. WILLS

P. O. BOX 829

CARLSBAD, N. M.

October 3, 1954
Rule 104

Oil Conservation Commission,
Box 871,
Santa Fe, New Mexico

Gentlemen:

Reference is made to Case No. 459 dated January 15,
1953, and your order No. R-263 and Case No. 1146:

At this time, it is desirable to drill the follow-
ing non-standard locations in the Russell Field, to
supplement the Water Flood now in progress. Wells to
be drilled are all water injection wells, Federal Lease
LC-050797. It is respectfully requested that a hearing
be made before an examiner at Hobbs, New Mexico, at the
next scheduled date.

Well No. 27: Unit L - NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 13,
T. 20 S., R. 28 E., 1325' FSL, 560' FWL.

Well No. 28: Unit L - NE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 13,
T. 20 S., R. 28 E., 1325' FSL, 1315' FWL.

Well No. 29: Unit L - NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 13,
T. 20 S., R. 28 E., 1325' FSL, 5' FWL.

Well No. 30: Unit L - SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 13,
T. 20 S., R. 28 E., 560' FSL, 5' FWL.

Well No. 31: Unit L - SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 13,
T. 20 S., R. 28 E., 560' FSL, 1315' FWL.

At this time it is also desired to get approval for
producing Well No. 26, located 1305' FSL and 1980' FSL
(Unit B) Section 13, T. 20 S., R. 28 E. This well was
drilled in 1951 as a gas input well. Recently, gas in-
jection has been discontinued due to lack of gas, and it
is now a producing oil well. Since the location is non-
standard, it is desired to have the commission's approval
to produce at this time.

Very truly yours,

Neil H. Wills
Neil H. Wills

HLW:pb

Send copy to
Docket
Wills
on 10/24/54

Water In
well

oil well
this
too

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 11/8/52

CASE 1171

Hearing Date 9 am @ 10:00 before Warren on 10/3

My recommendations for an order in the above numbered cases are as follows:

- OK to approve unorthodox locations for
- ① # 26 to connect to oil well
 - ② # 21 thru # 3 to drill as water injection wells

this is to implement the water
flood authorized by order
R-763 and R-899

Warren Markin
Staff Member

said unit to be dedicated to applicant's J. G. Randle "A" No. 1 Well, located 1980 feet from the North and West lines of said Section 20.

CASE 1170: Application of Shell Oil Company for the establishment of a 120-acre non-standard gas proration unit in the Blinebry Gas Pool, Lea County, New Mexico, in exception to Rule 5 (a) of the Special Rules and Regulations for said pool as set forth in Order R-610. Applicant, in the above-styled cause, seeks an order establishing a 120-acre non-standard gas proration unit in the Blinebry Gas Pool consisting of Lots 6, 10 and 11 of Section 3, Township 21 South, Range 37 East, Lea County, New Mexico; said unit to be assigned to applicant's Taylor Glenn No. 1 Well, located 3226 feet from the North line and 1980 feet from the West line of said Section 3.

CASE 1171: Application of Neil H. Wills for approval of six (6) unorthodox well locations in the Russell Pool, Eddy County, New Mexico, in exception to Rule 104 (c) of the New Mexico Oil Conservation Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order authorizing the following unorthodox well locations in Section 13, Township 20 South, Range 28 East, Eddy County, New Mexico, in the Russell Pool.

Well No. 26: 1305 feet from North line and 1980 feet from East line.
Well No. 27: 1325 feet from South line and 660 feet from West line.
Well No. 28: 1325 feet from the South line and 1315 feet from West.
Well No. 29: 1325 feet from South line and 5 feet from West line.
Well No. 30: 660 feet from South line and 5 feet from West line.
Well No. 31: 660 feet from South line and 1315 feet from West line.

Well No. 26 is a producing oil well and Wells No. 27 through No. 31 are proposed water injection wells to implement the applicant's water flood program in the Russell Pool as authorized by Order R-263 and R-899.

DOCKET: EXAMINER HEARING OCTOBER 31, 1956

New Mexico Oil Conservation Commission 9:00 a.m., Hobbs, New Mexico

Oil Conservation Commission Office, 1000 W. Broadway, Hobbs, New Mexico

The following cases will be heard before Warren W. Mankin, Examiner:

CASE 1167: Application of Plemons and Hewitt for an order granting permission to commingle oil in exception to Rule 303 of the New Mexico Oil Conservation Commission Rules and Regulations. Applicants, in the above-styled cause, seek an order granting permission to produce oil from the Fren Pool and Premier Pool into common tankage; said oil to be produced from applicants' Friess No. 1 Well in the NE/4 NW/4 of Section 30, Township 17 South, Range 31 East, (Premier Pool), Eddy County, New Mexico, and the Friess No. 2 Well in the SE/4 NW/4 of said Section 30 (Fren Pool).

CASE 1168: Application of Schermerhorn Oil Corporation for establishment of a 285-acre non-standard gas proration unit in the Eumont Gas Pool, Lea County, New Mexico, in exception to Rule 5 (a) of the Special Rules and Regulations for said pool as set forth in Order R-520. Applicant, in the Above-styled cause, seeks an order establishing a non-standard gas proration unit in the Eumont Gas Pool consisting of:

Township 18 South, Range 37 East
Section 33: S/2 SW/4 and NW/4 SW/4

Township 19 South, Range 37 East
Section 4: NW/4

all in Lea County, New Mexico; said unit to be dedicated to applicant's Linam "B" Well No. 2, located 660 feet from the South line and 2310 feet from the West line of said Section 33.

CASE 1169: Application of Amerada Petroleum Corporation for an order establishing an 80-acre non-standard gas proration unit in the Blinebry Gas Pool in exception to Rule 5 (a) of the Special Rules and Regulations for said pool as set forth in Order R-610. Applicant, in the above-styled cause, seeks an order establishing an 80-acre non-standard gas proration unit in the Blinebry Gas Pool consisting of the SE/4 NW/4 and SW/4 NE/4 of Section 20, Township 21 South, Range 37 East, Lea County, New Mexico;