CASE 1936: Appliantion of J. H. White No. 3, EDDT COUNTY, N. MEX.

1986

Applietion, Transcript,
Smill Exhibits, Etc.

OIL CONSERVATION COMMISSION

p. o. <u>Box</u> 871

SANTA FE. NEW MEXICO

June 10, 1960

Mr. Tom McKenna 302 E. Palace Avenue Santa Fe, New Mexico

Dear Sir:

On behalf of your client we enclose two copies of Order R-1696 in Case 1986 issued by the Oil Conservation Commission this date.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ir/

Carbon copy of order sent to:

Oil Conservation Commission Hobbs and Artesia

REFORE THE OIL COMBERVATION COMMISSION OF THE STATE OF MEW MEXICO

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

> CASE No. 1986 Order No. R-1696

APPLICATION OF J. N. WEICH FOR A GAS-OIL DUAL COMPLETION IN AN UNDESIGNATED QUEEN GAS POOL AND IN THE HENSHAW (SAN ANDRES) POOL, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on June 1, 1960, at Santa Fe, New Mexico, before Elvis A. Utz, 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 10th day of June, 1960, the Commission, a quorum being present, having considered the application, the evidence addresd, and the recommendations of the Examiner, Blvis A. Uts, and being fully advised in the premises,

FTHOS

- (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, J. M. Welch, is the owner and operator of the Ets Well No. 3, located 1650 feet from the South line and 650 feet from the East line of Section 13, Township 16 South, Range 30 East, NMPM, Eddy County, New Nexico.
- (3) That the applicant proposes to dually complete the said New Well No. 3 in such a manner as to permit the production of gas from the Penrose sand of an undesignated Queen Pool and the production of oil from the Henshaw (San Andres) Pool through the casing-tubing annulus and 2-inch tubing respectively, utilizing a Baker Model "E" packer to separate the producing horizons.
- (4) That inassuch as insignificant amounts of liquid production from the queen formation are anticipated, the mechanics of the proposed dual completion are feasible and in accord with sound conservation practices.

-2-CASE No. 1986 Order No. R-1696

IT IS THEREFORE ORDERED:

That the applicant be and the same is hereby authorized to dually complete its Etz Well No. 3, located 1650 feet from the South line and 650 feet from the East line of Section 13, Township 16 South, Range 30 Bast, NMPM, Eddy County, New Mexico, in such a manner as to permit the production of gas from the Penrose sand of an undesignated Queen Pool and the production of oil from the Hemshaw (San Andres) Pool through the casing-tubing annulus and 2-inch tubing respectively, utilizing a Baker Model "E" packer to separate the two producing horizons.

PROVIDED HOWEVER, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That the applicant shall take packer-leakage tests upon completion and annually thereafter on the anniversary date of the dual completion.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or the protection of correlative rights; upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to regular single-some production in the interest of conservation.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

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JOHN BURROUGHS, Chairman

MURRAY B. MORGAE, Member

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

est/

OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

	Date	6-2-60
CASE 1986	Hearing Date	6-1-60
My recommendations for an order in	n the above numbered	cases are as follows:
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OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

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J. M. Welch Oil Producer and Operator

1. O. Box 296 MAIN OFFICE OCC May 25, 1960 MAY 27 M 8:53

New Mexico Oil Conservation Commission P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. Dan Nutter

Re: Etz No. 3 well, NE/4 SE/4 Section 13-165-30E, Eddy County, New Mexico

Gentlemen:

W. Terran

Enclosed herewith you will find triplicate copies of the Application for Dual Completion, the Plat and the Diagrammatic Sketch of the Dual Completion for the above well, as per your request.

Please pardon the delay in providing this information. It took me some time to find the names of the owners of offset acreago.

Yours very truly, j.m.welch

J. M. WELCH

JMW/bb

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE. NEW MEXICO

7_3_58

Field Name Henshaw		County	eddy 1960 MAY	Date // May 25, 1960 Well No. 53
Operator T.	Lease	T		พลิโ N& 2 53
J. M. Welch	ection	Jones-Hewi	100	Range
of Well I	13	18	is .	30E
. Has the New Mexico Oil Conservation			dual completion of a	well in these same pools or in the same
zones within one mile of the subject value. If answer is yes, identify one such in			; Operator. Lease, a	nd Well No.:
3. The following facts are submitted:	υ	pper Zone		Lower Zone
o. Name of reservoir	Penrose		Lo	vington
b. Top and Bottom of	2680		22	35
Pay Section (Perforations)	2700			148 148
c. Type of production (Oil or Gas)	Gas		Oi	
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(Flowing or Artificial Lift) I. The following are attached. (Please:	L	···		
Yes b. Plat showing the location operators of all leases offse NO c. Waivers consenting to such been furnished copies of the	nding diameters and sent. of all wells on applicating applicant's lead of the sent application for application.	cant's lease, all of se. cach offset oper	tion and type of pack	ze and setting, top of cement, perforated it ters and side door chokes, and such other leases, and the names and addresses of of, evidence that said offset operators have
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after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Memo

From

M. L. Armstrong Supervisor District #2

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Jimmy Welch is intending to

MI & E.O. J. Baker Hook wall

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Packer on his dual completion,

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FRHLUPS PETROLEUM COMPANY

Odessa, Texas May 10, 1960

SUBJECT

Mr. J. h. Welch Box 296 Artesis, New Mandico

Geer Sir.

Attached is a copy of the Fractional analysis that we ran on the Queen gas from the lease listed below.

J. H. Welch #3 A. M. Etz. located C S/2 NE SE Sec. 13-16-30, Eddy County, New Mexico.

The rate of gas flow during our test period was 885 MCFPD.

Best regards,

K. J. DIMONG

RTO'N:brm

BEFORE EXAMINER UTZ

CIL CONSERVATION COMMISSION

FILE EXAMINER UTZ

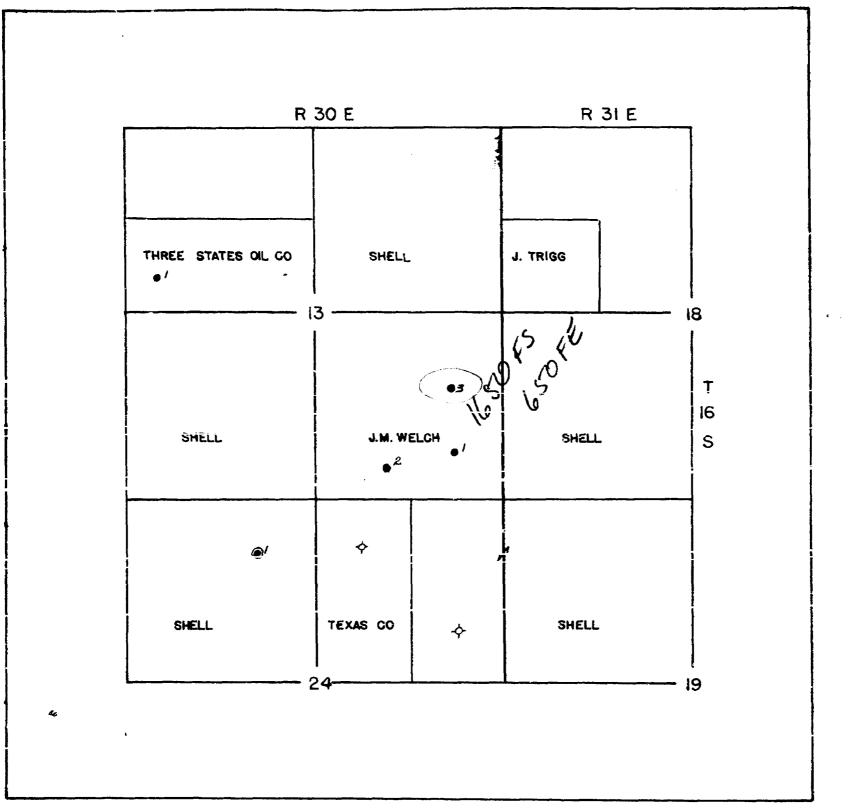
CASE NO. 1986

ALSO IN COST REDUCTION -- IT'S PERFORMANCE THAT COUNTS

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1986

BEFORL THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico June 1, 1960

EXAMINER HEARING

IN THE MATTER OF:

Application of J. M. Welch for a gas-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of his Etz Well No. 3, located in the NE/4 SE/4 of Section 13, Township 16 South, Range 30 East, Eddy County, New Mexico, in such a manner as to produce gas from the Penrose sand of the Queen formation and to produce oil from the Lovington sand of the San Andres formation in the Henshaw (San Andres) pool, through the casing-tubing annulus and 2-inch tubing respectively, utilizing a retrievable type packer to separate the two producing horizons.

BEFORE:

ELVIS A. UTZ, Examiner

TRANSCRIPT OF HEARING

MR. UTZ: Case 1986.

MR. PAYNE: Application of J. M. Welch for a gas-oil dual completion.

MR. McKENNA: Mr. Examiner, Thomas F. McKenna, McKenna and Sommer, for the applicant. One witness, Mr. J. M. Welch. (Witness sworn.)

JAMES M. WELCH,

Applicant, appearing in his own behalf, having been first duly

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sworn, testified as follows:

DIRECT EXAMINATION

BY MR. MCKENNA:

- Q Will you give your full name?
- A James M. Welch.
- Q Where do you reside, Mr. Welch?
- A Artesia.
- Q Have you ever testifed before this Commission?
- A No, I have not.
- Q Will you tell the Commissioner your business, background and experience in the oil and gas industry?
- A In '46 I graduated from the University of California with a degree in economics. However, I have been in the oil business, associated with my father, since 1936.
 - Q What has this business been?
 - A In the oil business.
 - Q Has it been --
 - A Introduction, primarily; contracting.

MR. McKENNA: May his qualifications be accepted, Mr.

Examiner?

MR. UTZ: To testify in this case, yes, sir.

- Q (By Mr. McKenna) Was this application prepared by you or on your behalf, Mr. Welch?
 - A On my behalf.
 - And what is the name and location of the well under



consideration?

- A It is in Section 13 of 16, 30.
- Q And do you know the exact location?
- A In the northeast of the southeast section.
- Q What is the distance from the south line, do you know?
- A 1650 from the south line, 660 from the east line.
- Q What is the purpose of this application?
- A To produce gas from the Penrose sand and oil from the Lovington.
 - Q Was this well drilled by you or under your supervision?
 - A Yes.
- Q What is your plan for dual completion; how do you propose to accomplish dual completion?
- A We plan to perforate the gas zone, 2680, 2700, and water frac that, and to treat the Lovington sand at 3230 to 3240, then to complete it, seat a Baker packer at approximately 2750 below the gas zones, and produce the oil through the tubing annulus and the gas through the casing tubing annulus.
 - Q What is the program for casing and cementing?
- A Drilled with cable tools, set 615 feet of 8-5/8, cemented with 100 sacks, and the string was set at 3230 and cemented with 125 sacks, 5-1/2 inch casing.
- Q Have you prepared a diagrammatic sketch of this proposed completion dual?



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PHONE CH 3-6691

- Yes, I have.
- Q Was this sketch prepared by you or under your direction?
- At my supervision.

MR. McKENNA: I'd like to introduce that as evidence, Mr. Examiner.

- Q Mr. Welch, do you contemplate any problem as to liquids in the production of gas from the annulus?
 - None it is very dry gas.
- Have you received any analysis or report on the gas in the Penrose?
- Yes, I have. The Phillips Company made an analysis of that.
- I hand you what I am going to ask the reporter to mark as Plaintiff's Exhibit 2 for identification. Now, what has been marked as No. 2 for identification, would you please tell the commission what that is?
- It is a report from the Phillips Petroleum Company, from their engineering. They came over to the well and took a test of this gas from the Penrose sand.
 - Q And what does the report show?
 - Well, the well showed 885 MCF per day.
 - Q Is the gas shown as being a very dry gas?
- Yes; in fact, 48% nitrogen. It has in the neighborhood of about half a gallon of liquids per thousand.



MR. McKENNA: I'd like to offer in evidence Plaintiff's Exhibit No. 2 if I may.

MR. UTZ: MCF, half a gallon?

- A Yes; it has 825 BTUs, was what it tested out.
- Q (By Mr. McKenna) Have you submitted to the Commission a log on this well?
 - A I have.
- Q Do you believe this application that you make for dual completion is in the interests of conservation and prevention of waste?
 - A Yes.
- Q Do you think that this application will in any way impair or injure correlative rights?
 - A No.
- Q Now, Mr. Welch, is this gas which will be produced from the Penrose through the annulus, is this a gas formation or a gas cap?
 - A It is a gas formation.

MR. McKENNA: That is all the questions I have.

MR. UTZ: Are there any oil wells in the Penrose in this vicinity?

A No, the closest is three miles west in the Penrose.

MR. PAYNE: Mr. Welch, is the packer a Baker retrievabletype packer?

A Yes, it is.



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QUERQUE, NEW MEXICO

MR. PAYNE: What pressure will that withstand, do you know?

A No; however, the gas zone has a pressure of 850 pounds, and the formation of the oil pressure below runs 400 to 450 pounds so our greatest pressure would be on top.

MR. PAYNE: And this is the type packer that pushes down from the top?

A Yes, that is correct.

MR. MckENNA: No chokes are necessary?

A No, sir.

MR. UTZ: How much cement did you say you were going to put on?

A 125 sacks; on the log, Laynowerch came out and ran the test on it, and that is the actual height of the cement, 3110 I believe it is. Surface pipe runs at the top of the salt and cemented with a hundred sacks, and I don't actually know how far it filled up, but the cable, 8-5/8 in a ten-inch hole.

MR. UTZ: How about fresh water?

A No fresh water at all.

MR. UTZ: In the event you do have some liquid problems, that half gallon per MCF will eventually accumulate some liquids, will it not?

A I don't believe so. That gas is very dry. You can't even see it.

MR. UTS: Does this liquid reach the surface in the form



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of liquid?

A No; that was their test they took at Midland.

MR. UTZ: That was squeezed out?

Well, I guess you'd call it that. It showed on their letter, they gave the complete breakdown of the liquid content.

MR. UTZ: Other questions? Witness may be excused. Statements? Case will be taken under advisement.

The hearing is adjourned.

(The hearing was adjourned at 6:00 P.M.)

STATE OF NEW MEXICO SS COUNTY OF BERNALILLO

I, JUNE PAIGE, Court Reporter, do hereby certify that the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission at Santa Fe, New Mexico, is a true and correct record to the best of my knowledge, skill and ability.

IN WITNESS WHEREOF I have affixed my hand and notarial seal this 20th day of June, 1960.

> Notary Public -Court Reporter

My commission expires:

May 13, 1964.

I do hereby certify that the foregoing is a complete rouled 1986 the Examine ., Examiner