

Case Number

4549

Application

Transcripts

Small Exhibits

ETC.

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

209 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6691 • ALBUQUERQUE, NEW MEXICO



BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
June 30, 1971

EXAMINER HEARING

IN THE MATTER OF:

Application of Tom L. Ingram for
unorthodox gas well location,
Roosevelt County, New Mexico.

Case No. 4549

BEFORE: Elvis A. Utz, Examiner.

TRANSCRIPT OF HEARING

dearnley-meier reporting services

MR. UTZ: Case 4549.

MR. HATCH: Application of Tom L. Ingram for unorthodox gas well location, Roosevelt County, New Mexico.

MR. RUSSELL: John F. Russell, Roswell, New Mexico, appearing on behalf of the Applicant, and I have one witness.

(Witness sworn.)

(Whereupon, Applicant's Exhibits 1 through 3 were marked for identification.)

TOM L. INGRAM,

having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. RUSSELL:

Q Will you please state your name and address?

A Tom L. Ingram, Roswell.

Q You are self employed, are you not, Mr. Ingram?

A I am.

Q And you have previously qualified to give testimony before this Commission and its Examiners?

A I have.

Q Are you familiar with the application in Case 4549?

A I am.

Q What do you seek by this application?

A Seek the approval of an unorthodox location for a gas well located in the Bluit-San Andres Associated Field.

Q Was this well originally projected as an oil well?

- 1 A It was projected as an oil well, either a wildcat or an
2 extension to the oil production, in the Bluit-San Andres
3 Associated Field.
- 4 Q But it was not completed as an oil well?
- 5 A It was not.
- 6 Q Was it completed as a gas well?
- 7 A Yes, it was.
- 8 Q In accordance with the special rules of the field, a
9 hearing has to be held to approve the non-standard
10 location of the gas well, is that correct?
- 11 A That's correct, because we are closer than 990 feet to
12 the lease line.
- 13 Q Referring you to what has been marked as Applicant's
14 Exhibit No. One, will you tell what that exhibit shows?
- 15 A Exhibit No. One is a plat showing the acreage that is in
16 the Bluit-San Andres Associated Pool. That acreage is
17 shaded blue. The location of the subject well in Section
18 13 has a red arrow pointing to it.
- 19 Q It is not within the boundaries of the Bluit-San Andres
20 Associated Pool?
- 21 A It is not.
- 22 Q But it is within one-mile and subject to those rules, is
23 it not?
- 24 A Yes, that's correct.
- 25 Q Will you give the footage location of that well?

1 A It is 1980 feet from the south and 660 feet from the
2 east line of Section 15, Township 8 South, Range 37
3 East.

4 Q That's Roosevelt County, is it not?

5 A Yes.

6 Q I will refer you to what has been marked as Applicant's
7 Exhibit No. Two and ask you to state what that exhibit
8 reflects.

9 A Exhibit No. Two is a portion of the radioactive log that
10 was run in the subject well. It shows the total depth
11 of the well as 4815 feet, with a plug back of 4798. The
12 well was originally perforated from 4766 to 4793 and
13 acidized with 500 gallons of mud acid. This is the
14 regular pay in the Bluit-San Andres Associated Field.
15 It swabbed the water at the rate of fourteen barrels per
16 hour.

17 Q Where are the present intervals of perforation inter-
18 vals?

19 A Well, the well was then plugged back to 4740 and
20 perforated in stages from 4630 to 4730. These intervals
21 were acidized in three different stages and then the
22 entire interval was water-oil fractured.

23 Q And I will refer you to Applicant's Exhibit No. Three,
24 which is more detail on the question I just asked you,
25 and will you advise the Examiner what this exhibit

1 portrays?

2 A Exhibit No. Three is the well completion log showing
3 the information that we have just discussed, and it has
4 attached to it a four point back pressure test which was
5 conducted by Cities Service and it shows the calculated
6 absolute open flow of 2,320,000 cubic feet of gas per
7 day.

8 Q Is there anything further on Exhibit Three that you
9 wish to bring out to the Examiner?

10 A No. It's just the statistical data that Cities Service
11 used in arriving at the open flow.

12 Q Other than the well log itself, were Exhibits One through
13 Three prepared by you or under your supervision and
14 direction?

15 A Yes, they were.

16 Q In your opinion, Mr. Ingram, will the granting of this
17 application prevent waste and protect correlative rights?

18 A Yes, I believe it will.

19 MR. RUSSELL: Mr. Examiner, at this point, I move
20 the introduction of Applicant's Exhibits One through Three.

21 MR. UTZ: Without objection, Exhibits One through
22 Three will be entered into the record of this case.

23 MR. RUSSELL: I have no further questions of this
24 witness.
25

CROSS EXAMINATION

BY MR. UTZ:

Q That 2300 is the absolute open flow?

A Yes, that's correct. 2320, I believe, to be exact.

Q This is a dry gas well?

A It's dry gas.

Q The reason you are asking for this location is because you drilled it as an oil well --

A That's correct.

Q -- and not a gas well? So, you were 390 feet to close, is that right?

A Three hundred thirty feet too close. I believe it's 990 for standard gas well and we are 660.

Q You are 660?

A Yes. The standard location for oil well.

Q Would you look at Exhibit Three and see if that location is correct? I believe it must be an error, then. It says 660.

A It is an error.

Q Okay.

A It should read 660.

Q Now, is this completed in the same zone as the Bluit Field?

A The oil producing portion of the Bluit Field is all the lower zone that was originally perforated, which is

1 commonly called P-2 or the Todd Zone and it is separated
2 with an anhydrite streak from the upper portion or P-1
3 or milnesand, as it is sometimes called.

4 Q Are there other wells in the Todd Field that are
5 perforated in this P-1 zone that you know of?

6 A Other wells in the Bluitt Field?

7 Q Yes.

8 A The Jack McClellan Atlantic Federal, located in the
9 northeast quarter of the southeast quarter of Section
10 24, 8, 37, is also in this same zone.

11 I understand from Jack that it will be plugged
12 very shortly.

13 Q Well, the reason I was asking these questions is
14 because I just got through calculating all the gas wells
15 in the Bluitt as marginal. I thought I had everything
16 under control and here you get a non-marginal.

17 A Does that mean that I get the allowable for the rest of
18 the field?

19 Q I guess you may as well get some of it because they
20 can't do it.

21 MR. RUSSELL: Mr. Examiner, I don't think that I
22 asked him this question, I would like to at this point, that
23 he requests that the entire south half of Section 15 be
24 assigned to this well and 320-acre allowable granted.

25 THE WITNESS: Yes, that is correct. There are

1 three federal leases involved and I have discussed this with
2 the USGS in Roswell.

3 MR. RUSSELL: And have filed a proposed communiti-
4 zation agreement with them?

5 THE WITNESS: They told me to file it with them
6 as soon as I had had the hearing and it was approved that
7 this was a proration unit.

8 MR. UTZ: Other questions?

9 MR. RAMEY: Just for curiosity sake, I assume you
10 have a contract with Cities Service.

11 THE WITNESS: Negotiating a contract between Cities
12 Service and Warren at the present time.

13 MR. RAMEY: What's the going price for gas out
14 there?

15 THE WITNESS: Nine cents.

16 MR. RAMEY: Thank you. Just curious.

17 THE WITNESS: I wish it were more.

18 MR. UTZ: Statements in the case? The case will be
19 taken under advisement.

20 Let's take a short break.

21 (Whereupon, a short break was taken.)
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I N D E XWITNESSPAGE

TOM L. INGRAM

Direct Examination by Mr. Russell

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Cross Examination by Mr. Utz

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E X H I B I T S

Applicant's 1 through 3

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dearnley-meier reporting service

1 STATE OF NEW MEXICO)
) ss
 2 COUNTY OF BERNALILLO)

3 I, BRENDA BURKS, Court Reporter in and for the County
 4 of Bernalillo, State of New Mexico, do hereby certify that
 5 the foregoing and attached Transcript of Hearing before the
 6 New Mexico Oil Conservation Commission was reported by me;
 7 and that the same is a true and correct record of the said
 8 proceedings to the best of my knowledge, skill and ability.
 9

10 Brenda Burks
 11 Court Reporter
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22 I do hereby certify that the foregoing is
 23 a complete record of the proceedings in
 the Examiner hearing of Case No. 549,
 heard by me on 6-30-76, 19.....

24 Theresa E. [Signature], Examiner
 New Mexico Oil Conservation Commission
 25

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

209 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6491 • ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
June 16, 1971
EXAMINER HEARING

IN THE MATTER OF:

Application of Tom L. Ingram for
unorthodox gas well location,
Roosevelt County, New Mexico.

Case No. 4549

BEFORE: DANIEL S. NUTTER, EXAMINER

TRANSCRIPT OF HEARING

dearnley-meier reporting service, inc.

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MR. NUTTER: Call Case Number 4549.

MR. HATCH: Case 4549. Application of Tom L. Ingram for unorthodox gas well location, Roosevelt County, New Mexico.

Mr. Examiner, we have received a request from the applicant that this case be continued til the examiner hearing to be held on June the 3rd.

MR. NUTTER: Case Number 4549 will be continued to the examiner hearing scheduled to be held at this same place at 9:00 o'clock A.M. June 30, 1971.

dearnley-meier reporting service

1 STATE OF NEW MEXICO)
 2 COUNTY OF BERNALILLO)

3 I, LINDA MALONE, Court Reporter, do hereby certify that
 4 the foregoing and attached Transcript of Hearing before the
 5 New Mexico Oil Conservation Commission was reported by me;
 6 and that the same is a true and correct record of the said
 7 proceedings, to the best of my knowledge, skill and ability.

8
 9 *Linda Malone*
 Court Reporter

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 22 I do hereby certify that the foregoing is
 a complete record of the proceedings in
 23 the Bernalillo hearing of Case No. 4549
 heard by me on 6/16 1971
 24 *[Signature]*, Chairman
 New Mexico Oil Conservation Commission
 25



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

**GOVERNOR
BRUCE KING
CHAIRMAN**

**LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER**

**STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR**

July 7, 1971

Mr. Jack Russell
Attorney at Law
Post Office Drawer 640
Roswell, New Mexico 88201

Re: Case No. 4549
Order No. R-4163
Applicant:
Tom L. Ingram

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. Porter, Jr.

A. L. PORTER, Jr.
Secretary-Director *lls*

ALP/ir

Copy of order also sent to:

Hobbs OCC x

Artesia OCC **x**

Aztec OCC

Other _____

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 4549
Order No. R-4163

APPLICATION OF TOM L. INGRAM
FOR UNORTHODOX GAS WELL LOCATION,
ROOSEVELT COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 30, 1971,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 7th day of July, 1971, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, 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, Tom L. Ingram, seeks approval
of an unorthodox gas well location for his Light Well No. 1,
located 1980 feet from the South line and 660 feet from the East
line of Section 15, Township 8 South, Range 37 East, NMPM, Bluit-
San Andres Associated Pool, Roosevelt County, New Mexico.

(3) That the subject well was projected as an oil well at
a standard location in the Bluit-San Andres Associated Pool but
was productive of gas in said pool.

(4) That approval of the subject application will prevent
the drilling of unnecessary wells and will otherwise prevent
waste and protect correlative rights.

-2-

CASE NO. 4549

Order No. R-4163

IT IS THEREFORE ORDERED:

(1) That the applicant, Tom L. Ingram, is hereby authorized an unorthodox gas well location for his Light Well No. 1, located 1980 feet from the South line and 660 feet from the East line of Section 15, Township 8 South, Range 37 East, NMPM, Bluit-San Andres Associated Pool, Roosevelt County, New Mexico.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

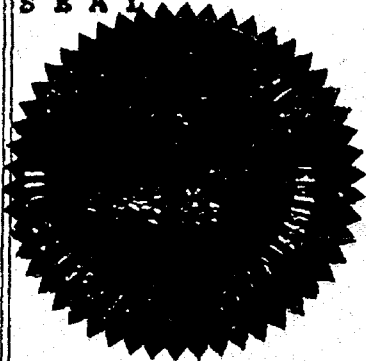
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Bruce King
BRUCE KING, Chairman

Alex J. Armijo
ALEX J. ARMIGO, Member

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

S E A L



dr/

Case 4549

Heard 6-30-71

Rec. 7-1-71

Grant Don Ingram
an unorthodox location for
his Leght # 1, 1980/S, 660/E
line sec. 15-85-37E.

Well was drilled for oil & got
gas.

This is an extension to the
Blair Gas Area.

Thos. D. [Signature]

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 30, 1971

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,
STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 4352: (Reopened) (Continued from April 14, April 28, and May 19, 1971, Examiner Hearings)

In the matter of Case 4352 being reopened by the Oil Conservation Commission upon its own motion to give all interested persons an opportunity to appear and present evidence to whether the Double L-Queen and Suble-Queen Pools, Chaves County, New Mexico, are in fact separate reservoirs or one common reservoir. Further, in the event it is found that the two pools comprise one common reservoir, the Commission will consider the adoption of special rules and regulations to provide for the classification of oil and gas wells, spacing and well location requirements for oil and gas wells, and an allocation formula for withdrawals from the gas wells and oil wells.

CASE 4539: (Continued from the May 19, 1971, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Doanbuy Lease & Company, Inc., and all other interested persons to appear and show cause why its following described wells in Section 27, Township 14 South, Range 33 East, Saunders Pool, Lea County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program:

Atlantic State AC - 1	Well No. 1	Unit N
Atlantic State AC - 2	Well No. 2	Unit M
Atlantic State AC - 2	Well No. 3	Unit O
Atlantic State AC - 3	Well No. 4	Unit L
Atlantic State AC - 3	Well No. 5	Unit J
Atlantic State AC - 4	Well No. 6	Unit P
Atlantic State AC - 4	Well No. 7	Unit I

CASE 4556: Application of Tenneco Oil Company for salt water disposal, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Queen formation in the perforated interval from 3154 feet to 3159 feet in its USA-Reno Well No. 1 located in Unit L of Section 3, Township 15 South, Range 31 East, Caprock-Queen Pool, Chaves County, New Mexico.

CASE 4557: Application of Continental Oil Company for transfer of allowable, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to transfer allowable across the boundaries of the participating area and the leases outside said area but within the Maljamar Cooperative Area, MCA Unit Area, Maljamar Grayburg-San Andres Pool, Lea County, New Mexico.

CASE 4535: (Continued from the April 28, and the May 19, 1971, Examiner Hearings)

Application of Continental Oil Company for down-hole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Monument-Tubb and Weir Drinkard oil production in the well-bore of its SEMU Well No. 70, located in Unit I of Section 15, Township 20 South, Range 37 East, Lea County, New Mexico.

CASE 4558: Application of Midwest Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Little Inbe (Bough "C") Unit Area comprising 2,240 acres, more or less, of state lands in Sections 10, 11, 14 and 15 of Township 10 South, Range 33 East, Inbe Permo-Pennsylvanian Pool, Lea County, New Mexico.

CASE 4559: Application of Midwest Oil Corporation for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Little Inbe (Bough "C") Unit Area, Inbe Permo-Pennsylvanian Pool, Lea County, New Mexico, by the injection of water through three wells located in Sections 11 and 14 of Township 10 South, Range 33 East, Lea County, New Mexico.

CASE 4560: Application of Rifan Oil Company, Inc. for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pilot pressure maintenance project in the Slick Rock-Dakota Pool by the injection of water into the Dakota formation through its Rifan Wells Nos. 10, 12, and 14 located, respectively, in Units F, L and K of Section 31, Township 30 North, Range 16 West, San Juan County, New Mexico.

CASE 4561: Application of Great Plains Land Company for an exception to Order No. R-3221, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seek an exception to

(Case 4561 continued)

Order No. R-3221, as amended, to dispose of water produced by its well located in the NW/4 NW/4 of Section 31, Township 18 South, Range 30 East, Shugart Field, Eddy County, New Mexico.

CASE 4562: Application of Texas Oil and Gas Corporation, for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the special rules and regulations governing the Indian Basin-Upper Pennsylvanian Gas Pool to permit the drilling of a well at an unorthodox gas well location 990 feet from the North and West lines of Section 22, Township 22 South, Range 23 East, Eddy County, New Mexico.

CASE 4563: Application of Corinne Grace for special gas-oil ratio limitation and pressure maintenance project, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to produce her State Well No. 1 located in Unit A of Section 1, Township 15 South, Range 29 East, Double L-Queen Pool, Chaves County, New Mexico, with no gas-oil ratio limitation, strip the liquids, and institute a pressure maintenance project by the injection of all said gas back into the producing formation through her State Well No. 2 located in Unit B of said Section 1. Applicant further seeks to transfer an oil allowable from said Well No. 2 to said Well No. 1.

CASE 4564: Application of Penroc Oil Corporation for a non-standard oil proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an 80-acre non-standard oil proration unit comprising the SW/4 NE/4 and NW/4 SE/4 of Section 33, Township 18 South, Range 38 East, Hobbs-Drinkard Pool, Lea County, New Mexico, to be dedicated to its Conoco-State Well No. 1 located 1980 feet from the North line and 2130 feet from the East line of said Section 33.

CASE 4549: (Continued from the June 16, 1971, Examiner Hearing)

Application of Tom L. Ingram for unorthodox gas well location, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox gas well location for his Light Well No. 1 located 1980 feet from the South line and 660 feet from the East line of Section 15, Township 8 South, Range 37 East, Bluit-San Andres Associated Pool, Roosevelt County, New Mexico, the S/2 of said Section 15 to be dedicated to the well.

LAW OFFICES OF
JOHN F. RUSSELL
412 HINKLE BUILDING
P. O. DRAWER 840
ROSWELL, NEW MEXICO 88201

71 JUN 16 PM 1 04

TELEPHONE 622-4641
AREA CODE 505

June 15, 1971

NEW MEXICO OIL CONSERVATION
COMMISSION
State Land Office Building
Santa Fe, New Mexico 87501

Attention: Mr. George Hatch, Legal Counsel

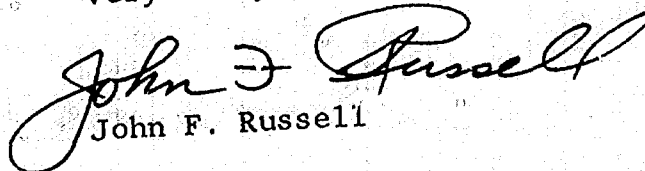
Re: Case No. 4549

Dear George:

This will confirm our telephone conversation of this date. It is requested that Case 4549, being the application of Tom L. Ingram for an unorthodox gas well location in Roosevelt County, New Mexico, be continued to the June 30th Examiner Hearing.

Tom Ingram's office has advised me that they notified all offset operators of this continuance, and no objections were made.

Very truly yours,


John F. Russell

JFR:eb

DOCKET: REGULAR HEARING - WEDNESDAY - JUNE 16, 1971

OIL CONSERVATION COMMISSION - 9 A.M. - MORGAN HALL, STATE LAND OFFICE
BUILDING, SANTA FE, NEW MEXICO

- ALLOWABLE: (1) Consideration of the oil allowable for July and August, 1971;
- (2) Consideration of the allowable production of gas for July, 1971, from fifteen prorated pools in Lea, Eddy, Roosevelt and Chaves Counties, New Mexico. Consideration of the allowable production of gas from nine prorated pools in San Juan, Rio Arriba and Sandoval Counties, New Mexico for July, 1971; also presentation of purchaser's nominations for the six-month period beginning August 1, 1971, for that area.

CASE 4487: (De Novo) This case will be continued to the August 18, 1971, Regular Hearing.

Application of Pennzoil United, Inc., for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Strawn formation underlying the W/2 of Section 6, Township 23 South, Range 27 East, South Carlsbad-Strawn Gas Pool, Eddy County, New Mexico, said acreage to be dedicated to the Morris R. Antweil Joell Well No. 1 located 660 feet from the North line and 1980 feet from the West line of said Section 6. Also to be considered will be the cost of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

Upon application of Pennzoil United, Inc., this case will be heard De Novo under the provisions of Rule 1220.

CASE 4503: (De Novo)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Penrcc Oil Corporation and all other interested persons to appear and show cause why the intentional deviation of Penroc Oil Corporation State Well No. 2, having a surface location 360 feet from the South line and 330 feet from the East line of Section 28, Township 17 South, Range 28 East, Empire-Abo Pool, Eddy County, New Mexico, to a bottom hole-location 123 feet from the South line and 149 feet from the East line of said Section 28 should be approved and why the allowable assigned to said well should not be reduced to offset any advantage gained by said bottom hole location over other producers.

Regular Hearing

Wednesday -- June 16, 1971

Docket No. 12-71

-2-

Upon application of Amoco Production Company, this case will be heard De Novo under the provisions of Rule 1220.

THE FOLLOWING CASES WILL BE HEARD BEFORE DANIEL S. NUTTER, EXAMINER, OR ELVIS A. UTZ, ALTERNATE EXAMINER, IN THE OIL CONSERVATION COMMISSION CONFERENCE ROOM ON THE SECOND FLOOR OF THE LAND OFFICE BUILDING AT 10:30 a.m.:

CASE 4547: Application of Hanson Oil Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Seven Rivers formation in the perforated interval from 4009 feet to 4036 feet in its Mescalero Ridge Unit "35" Well No. 17 located in Unit G of Section 35, Township 19 South, Range 34 East, Pearl-Seven Rivers Pool, Lea County, New Mexico.

CASE 4548: Application of Hanagan Petroleum Corporation for creation of a new gas pool and special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Morrow gas pool for its Catclaw Draw Unit Well No. 1-Y located in Unit F of Section 26, Township 21 South, Range 25 East, Eddy County, New Mexico. Applicant further seeks the promulgation of special rules therefor, including a provision for 640-acre spacing units.

CASE 4549: Application of Tom L. Ingram for unorthodox gas well location, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox gas well location for his Light Well No. 1 located 1980 feet from the South line and 660 feet from the East line of Section 15, Township 8 South, Range 37 East, Bluit-San Andres Associated Pool, Roosevelt County, New Mexico, the S/2 of said Section 15 to be dedicated to the well.

CASE 4550: Application of Roger C. Hanks for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Devonian formation at approximately 10,500 feet in a well located 660 feet from the North and West lines of Section 5, Township 20 South, Range 25 East, Eddy County, New Mexico.

CASE 4551: Application of Roger C. Hanks for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 104 of the Commission Rules and Regulations to drill a well at an unorthodox gas well location 1900 feet from the South line

Regular Hearing
Wednesday - June 16, 1971

Docket No. 12-71

-3-

(Case 4551 continued)

and 850 feet from the West line of Section 35, Township 20 South, Range 24 East, undesignated Pennsylvanian gas pool, Eddy County, New Mexico, the S/2 of said Section 35 to be dedicated to the well.

CASE 4552:

In the matter of the hearing called by the Oil Conservation Commission upon its own motion to consider the amendment of Rule 506 of the Commission Rules and Regulations by deleting therefrom the provision that all gas produced with the current oil allowable determined in accordance with Rule 506 shall be deemed to have been lawfully produced.

CASE 4554:

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Henry S. Birdseye and all other interested persons to appear and show cause why the following-described wells in the Chaco Wash-Mesaverde Pool in Township 20 North, Range 9 West, McKinley County, New Mexico, should not be plugged and abandoned in accordance with a Commission-approved plugging program.

Santa Fe Railroad Wells Nos. 1, 2, 3, and 4 and in Unit P of Section 21; Well No. 6 in Unit M of Section 22; and Wells Nos. 5, 7, 8, 9, 11, and 12 in Units D, D, C, F, D, and F, respectively, of Section 27.

CASE 4555:

Application of BTA Oil Producers for expansion of a pressure maintenance project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its BTA Vada Bond Pressure Maintenance Project, Vada Pennsylvanian Pool, by the conversion to water injection of its Bond Wells Nos. 2 and 3 located, respectively, in Units L and A of Section 5 and its Bond Well No. 4 located in Unit J of Section 4, all in Township 9 South, Range 36 East, Lea County, New Mexico. Applicant proposes to complete the above-described wells in such a manner as to cause, by means of down-hole equipment, water from the Bough "D" zone to flood the Bough "C" zone in each of the wells.

CASE 4553:

Southeastern New Mexico nomenclature case calling for an order for the creation and extension of certain pools in Lea, Eddy and Chaves Counties, New Mexico.

(a) Create a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Aid-Morrow Gas Pool. The discovery well is Pennzoil United,

Regular Hearing
Wednesday - June 16, 1971
-4-

Docket No. 12-71

(Case 4553 continued)

Inc., Aid State No. 1 located in Unit A of Section 24, Township 17 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
SECTION 24: N/2

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Blinebry production and designated as the East Terry-Blinebry Pool. The discovery well is Mark Production Company, Conoco Federal No. 2 located in Unit J of Section 30, Township 20 South, Range 39 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 39 EAST, NMPM
SECTION 30: SE/4

(c) Extend the Arrowhead-Grayburg Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 20: NW/4

(d) Extend the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM
SECTION 5: SE/4

(e) Extend the Boyd-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
SECTION 10: S/2

(f) Extend the Dagger Draw-Upper Pennsylvanian Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
SECTION 30: W/2 W/2

Regular Hearing
Wednesday - June 16, 1971
-4-

Docket No. 12-71

(Case 4553 continued)

Inc., Aid State No. 1 located in Unit A of Section 24, Township 17 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
SECTION 24: N/2

(b) Create a new pool in Lea County, New Mexico, classified as an oil pool for Blinebry production and designated as the East Terry-Blinebry Pool. The discovery well is Mark Production Company, Conoco Federal No. 2 located in Unit J of Section 30, Township 20 South, Range 39 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 39 EAST, NMPM
SECTION 30: SE/4

(c) Extend the Arrowhead-Grayburg Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 20: NW/4

(d) Extend the North Bagley-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 12 SOUTH, RANGE 33 EAST, NMPM
SECTION 5: SE/4

(e) Extend the Boyd-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
SECTION 10: S/2

(f) Extend the Dagger Draw-Upper Pennsylvanian Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
SECTION 30: W/2 W/2

Regular Hearing
Wednesday - June 16, 1971
-5-

Docket No. 12-71

(g) Extend the Double L-Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 29 EAST, NMPM
SECTION 23: SE/4 SE/4

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM
SECTION 12: NW/4 NE/4

(h) Extend the Lea-Bone Springs Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
SECTION 25: SW/4

(i) Extend the South McCormack-Silurian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
SECTION 22: NW/4

(j) Extend the Power Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 31 EAST, NMPM
SECTION 32: SW/4 SW/4

TOWNSHIP 18 SOUTH, RANGE 31 EAST, NMPM
SECTION 6: NW/4 NW/4

(k) Extend the West Sawyer-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 37 EAST, NMPM
SECTION 21: SE/4

(l) Extend the North Vacuum-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 13: NE/4
SECTION 15: S/2 SW/4
SECTION 23: W/2

(m) Extend the Northwest Vacuum-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
SECTION 5: NE/4

BEFORE EXAMINER UTZ

OIL CONSERVATION COMMISSION

EXHIBIT NO. 2

CASE NO. 4549

TOM L. INGRAM

//1 LIGHT

1980' FSL & 660' FEL

Sec. 15, T8S, R37E

Roosevelt County, NM

Gamma Ray - Neutron

4630 - 4730

A/2500 gals.

F/15,000 gal wtr.
+15,000 sand

CAOF 2320 MCFPD

3-27-71

4686 - 4703

A/500 gals.

A/6000 gal

Baker Cast Iron Bridge Plug

A/500 gals.

Swb 14 BWPH

CASE 4549
EXHIBIT 2

Form 2-576
(Rev. 5-65)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

Form 2-576
(Rev. 5-65)

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
APPX EXHIBIT NO
CASE NO. 4549

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____
2. TYPE OF COMPLETION: NEW ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DEEP ENER ☐ Other _____
3. NAME OF OPERATOR: TOM L. INGRAM
4. ADDRESS OF OPERATOR: P. O. Box 1757, Roswell, New Mexico 88201
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
At surface: 1980' FSL & 600' FEL of Section
At top prod. interval reported below: 660
At total depth: _____

6. TRACT DESIGNATION: NM 0745897
7. UNIT ACQUISITION: _____
8. NAME OF LAND: Light
9. WELL NO.: _____
10. FIELD AND POOL, OR AREA: Wildcat
11. NEUT. T. R. M. OR OTHER ANAL. OR AREA: _____
12. COUNTY OR PARISH: Roosevelt
13. STATE: New Mexico
14. PERMIT NO.: _____ DATE ISSUED: _____
15. DATE SPUNDED: 1-31-71 16. DATE T.D. REACHED: 2-8-71 17. DATE COMPL. (Ready to prod.): 3-27-71
18. ELEVATIONS (OF, HED, AT, OR, ETC.): 4023 KB, 4011.3 GR
19. ELEV. Casinghead: _____

20. TOTAL DEPTH, MD & TVD: 4815 21. PLUG, BACK T.D., MD & TVD: 4750 22. IF MULTIPLE COMPL. HOW MANY?: 1
23. INTERVAL DRILLED BY: 0 - TD
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): 4630 - 4730 San Andres
25. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma ray - neutron
26. WAS WELL LOGGED: No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT CEMENT
8-5/8	22#	376	11"	275	Circ.
5-1/2	14#	4815	7-7/8"	250	0

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	4602	4577

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4766, 67, 74, 76, 85, 86, 91, 93	4779.3	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4686, 90, 98, 4709, 13, 24, 30	4680	4766-4793	A/500 Set BP 4755 w/2 SA
4630, 32, 34, 42, 52, 54, 61, 66	4630	4686-4730	A/500 & 6000
		4630-4730	A2500 & F/15,000 gals water & 15,000 lb. sand

33. PRODUCTION
DATE FIRST PRODUCTION: _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing
WELL STATUS (Flowing, shut in): SI
DATE OF TEST: 3-27-71 HOURS TESTED: 4 CHOKER SIZE: _____ PROD'N. FOR TEST PERIOD: SEE C-122 ATTACHED
FLOW. TUBING PRESS.: _____ CASING PRESSURE: _____ CALCULATED 24-HOUR RATE: 0 OIL—BBL.: 2,320 GAS—MCF.: 0 WATER—BBL.: 0
34. CHARACTERIZATION OF GAS (Solid, used for fuel, vented, etc.): Awaiting connection
TEST WITNESSED BY: M. E. Penniger

35. LIST OF ATTACHMENTS: Logs, Totco
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.
SIGNED: _____ TITLE: Operator DATE: 4-19-71

*(See Instructions and Spaces for Additional Data on Reverse Side) CASE 4549
EXHIBIT 3

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT ID ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 3-27-71	
Company Tom L. Ingram		Connection None	
Pool Wilcat		Formation San Andres	
Completion Date 3-27-71	Total Depth 4815	Plug Back TD 4750	Elevation 4023 KB
Csg. Size 5 1/2"	WT. 14#	Set At 5,012	Set At 4815'
Perforations: From 4630 To 4730			
Perforations: From To			
Unit 15	Sec. 8S	Twp. 37E	Range 37E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer-Set At 4577'	County Roosevelt
Producing Thru Tubing	Reservoir Temp. °F 110° = 4680	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2#
State New Mexico			
L	H	G _g	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI	Orifice Well Tester						1300	58			72
1.	2 x 1 1/4		23" HG			44	1040	68			1
2.	2 x 1 1/4		37" HG			44	935	68	Packer		1
3.	2 x 1 1/4		47" HG			44	855	69			1
4.	2 x 1 1/4		63" HG			44	720	70			1
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	861			1.0157	.9005		788
2	1153			1.0157	.9005		1054
3	1348			1.0157	.9005		1233
4	1653			1.0157	.9005		1512
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	1.717	504	1.360	.769	152.9	
2	1.544	504	1.360	.789	37.7	
3	1.414	504	1.361	.805		
4	1.198	504	1.362	.843		
5						

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²
1	1553	2412	1108.8	1249	1560
2			898.7	1135	1288
3			753.4	1050	1102
4			537.3	916	839
5					

$$(1) \frac{P_r^2}{P_r^2 - P_w^2} = 1.5344$$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 2,320$$

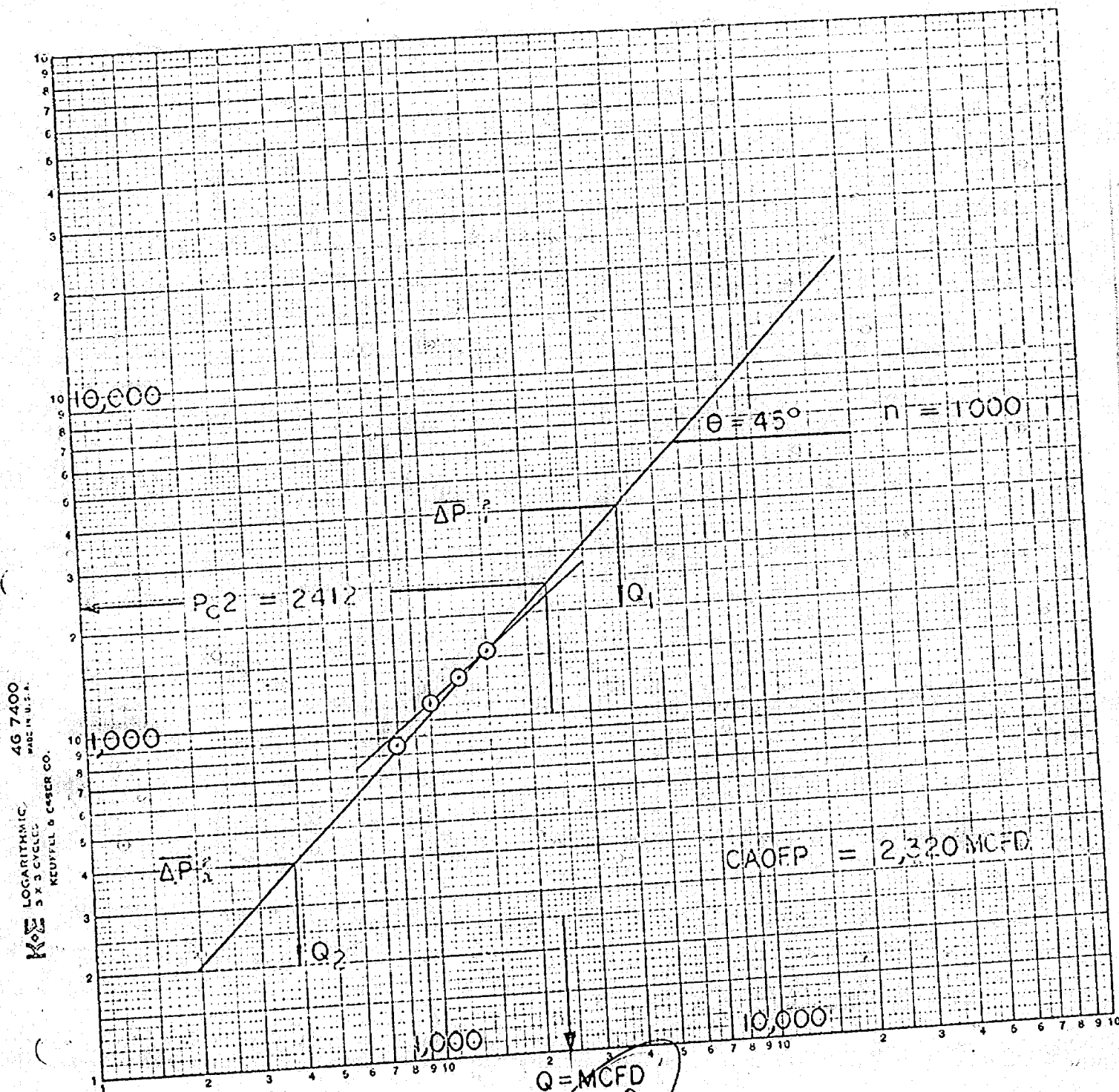
$$(2) \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.5344$$

Absolute Open Flow	2,320	Mcf/d @ 15.025	Angle of Slope °	45.0	Slope, n	1.000
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Remarks:

Approved By Commission:	Conducted By: M. E. Penniger	Calculated By: J. A. Workman	Checked By:
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Tom L. Jags
 Light No. 1
 Sec. 15-T88-R37E
 Roosevelt Co., New Mexico
 March 27, 1971



4G 7400
 LOGARITHMIC
 5 x 5 CYCLES
 KEUFFEL & CASER CO.
 MADE IN U.S.A.

ΔP_1 $P_c2 - P_w2 = 4000$
 ΔP_2 $P_c2 - P_w2 = 400$
 Q 3850 MCFD
 Q 385 MCFD

$Q = \text{MCFD}$
 2320

$\text{LOG } Q = 3.58546$
 $\text{LOG } Q = 2.58546$
 $n = 1.00000$

LAW OFFICES OF
JOHN F. RUSSELL
412 HINKLE BUILDING
P.O. DRAWER 640
ROSWELL, NEW MEXICO 88201

71 MAY 20 PM 1 15

TELEPHONE 622-4641
AREA CODE 505

May 19, 1971

Mr. A. L. Porter, Jr.
Secretary-Director
OIL CONSERVATION COMMISSION
P.O. Box 2088
Santa Fe, New Mexico 87501

Case 4549

Dear Mr. Porter:

I transmit herewith in triplicate an Application of
Tom L. Ingram for approval of an unorthodox gas well location
in the Bluett-San Andres Associated Pool.

Very truly yours,

John F. Russell
John F. Russell

JFR:eb
encls.

DOCKET MAILED

Date 6-15-71

DOCKET MAILED

Date 6-3-71

BEFORE THE OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF)
TOM L. INGRAM FOR AN ORDER AUTHORIZING)
AN UNORTHODOX LOCATION FOR THE TOM L.)
INGRAM LIGHT NO. 1 WELL LOCATED 1980)
FEET FROM THE SOUTH LINE, AND 660 FEET)
FROM THE EAST LINE OF SECTION 15, TOWN-)
SHIP 8 SOUTH, RANGE 37 EAST, N.M.P.M.,)
IN THE BLUETT-SAN ANDRES ASSOCIATED)
POOL, ROOSEVELT COUNTY, NEW MEXICO.)

NO. 4549

APPLICATION

COMES NOW Applicant, Tom L. Ingram, by his attorney,
John F. Russell, and states:

1. Applicant drilled the Tom L. Ingram Light No. 1 Well, projected as an oil well, in accordance with Rule 2-B of the Special Rules and Regulations of the Bluett-San Andres Associated Pool, being located 1980 feet from the South line, and 660 feet from the East line of Section 15, Township 8 South, Range 37 East, Roosevelt County, New Mexico.
2. Said well was plugged back to a depth of 4,740 feet and was completed as a gas well in the San Andres formation with perforations being between the intervals of 4,630 feet to 4,730 feet.
3. Pursuant to Rule 2-C of the said Special Rules and Regulations, Applicant requests the Commission to grant approval of the unorthodox location of his well; to approve the dedication of the South half of said Section 15 to the well; and, granting a 320 acre allowable for said well.
4. That the granting of this Application will prevent waste and protect correlative rights.

WHEREFORE, Applicant requests the Commission to set this matter down for hearing before one of its examiners, to publish notice as required by law, and, after hearing, issue its order granting approval of Applicant's unorthodox well location, approving dedication of the South half of Section 15, Township 8 South, Range 37 East, to said well, and the granting of a 320 acre allowable for said well.

Respectfully submitted,

TOM L. INGRAM

By John D. Russell
Attorney for Applicant

P.O. Box 640
Roswell, New Mexico 88201

DATED: May 19, 1971

DRAFT

GMH/dr

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE No. 4549

Order No. R- 4163

APPLICATION OF TOM L. INGRAM FOR
UNORTHODOX GAS WELL LOCATION,
ROOSEVELT COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 30, 1971,
at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this day of July, 1971, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, 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, Tom L. Ingram, seeks approval
of an unorthodox gas well location for his Light Well No. 1,
located 1980 feet from the South line and 660 feet from the East
line of Section 15, Township 8 South, Range 37 East, ^{NMPM,} Bluit-San
Andres Associated Pool, Roosevelt County, New Mexico.

(3) That the subject well was projected as an
oil well at a standard location in the Bluit-San
Andres Associated Pool but was
productive of gas in said pool.

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CASE NO. 4549

Order No. R-

(4) That approval of the subject application will prevent the drilling of unnecessary wells and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Tom L. Ingram, is hereby authorized an unorthodox gas well location for his Light Well No. 1, located 1980 feet from the South line and 660 feet from the East line of Section 15, Township 8 South, Range 37 East, ^{NMPM,} Bluit-San Andres Associated Pool, Roosevelt County, New Mexico.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

CASE 4550: Application of ROGER
C. HANKS FOR SALT WATER DISPOSAL,
EDDY COUNTY, NEW MEXICO.