

CASE 6929: CONSOLIDATED OIL & GAS, INC.
FOR DOWNHOLE COMMINGLING, SAN JUAN
COUNTY, NEW MEXICO

CASE NO.

6929

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,

ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
23 July 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Consolidated Oil &
Gas, Inc., for downhole commingling,
Rio Arriba County, New Mexico.

CASE
6929

BEFORE: Richard L. Stanets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

1 MR STAMETS: We'll call finally Case 6929.

2 MR. PADILLA: Application of Consolidated
3 Oil & Gas, Inc., for downhole commingling, Rio Arriba County,
4 New Mexico.

5 MR. STAMETS: This case was continued for
6 purposes of re-advertisement correcting the county.

7 Is there anything further in Case 6929 at
8 this time?

9 There being nothing, the case will be
10 taken under advisement and the hearing is adjourned.

11
12 (Hearing concluded.)
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SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that
the foregoing Transcript of Hearing before the Oil Conserva-
tion Division was reported by me; that the said transcript
is a full, true, and correct record of the hearing, prepared
by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6929,
heard by me on 7-23, 1980.
Richard H. Lamm, Examiner
Oil Conservation Division

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
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Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 453-7409

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner's hearing of Case No. _____
heard by me on _____ 19____.

_____, Examiner
Oil Conservation Division



BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

August 6, 1980

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Ms. Lynn Teschendorf, Attorney
Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80295

Re: CASE NO. 6929
ORDER NO. R-6426

Applicant:

Consolidated Oil & Gas, Inc.

Dear Sir:

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

Yours very truly,


JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD x

Other _____

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6929
Order No. R-6426

APPLICATION OF CONSOLIDATED OIL &
GAS, INC. FOR DOWNHOLE COMMINGLING,
RIO ARriba COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on July 23, 1980,
at Santa Fe, New Mexico, before Examiner Richard L. Stemets.

NOW, on this 4th day of August, 1980, the Division
Director, 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 Division has jurisdiction of this cause and the
subject matter thereof.

(2) That the applicant, Consolidated Oil & Gas, Inc., is
the owner and operator of the NCRA Well No. 1-E, located in
Unit G of Section 22, Township 26 North, Range 7 West, NMPM,
Rio Arriba County, New Mexico.

(3) That the applicant seeks authority to commingle
Blanco-Mesaverde and Basin-Dakota production within the
wellbore of the above-described well by using the Dakota
gas lift of Mesaverde liquids after metering on the surface.

(4) That from the Blanco Mesaverde zone, the subject
well is capable of low marginal production only.

(5) That from the Basin-Dakota zone, the subject well
is capable of low marginal production only.

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Case No. 6929
Order No. R-6426

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time the subject well is shut-in for 7 consecutive days.

(9) That the production from the Basin-Dakota zone is to be measured at the surface prior to commingling and that the production from the Blanco-Mesaverde Gas Pool should be determined by the subtraction method.

IT IS THEREFORE ORDERED:

(1) That the applicant, Consolidated Oil & Gas, Inc., is hereby authorized to commingle Blanco-Mesaverde and Basin-Dakota production within the wellbore of the NCRA Well No. 1-E, located in Unit G of Section 22, Township 26 North, Range 7 West, NMPM, Rio Arriba County, New Mexico, by using Dakota gas production to gas lift Mesaverde liquids.

(2) That production from the Basin-Dakota Gas Pool shall be measured at the surface prior to its use for gas lift purposes.

(3) That production from the Blanco-Mesaverde Gas Pool shall be determined by subtracting the measured gas lift volume from the total measured volume of production.

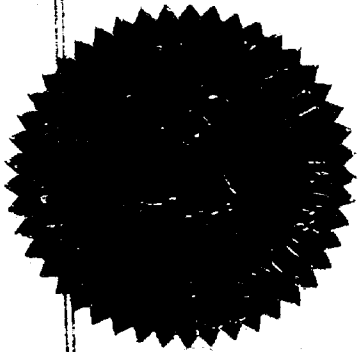
(4) That the operator of the subject well shall immediately notify the Division's Aztec district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

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

-3-

Case No. 6929
Order No. R-6426

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



SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY,
Director

dr/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
25 June 1980

EXAMINER HEARING

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Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

or the Applicant:

Lynn Teschendorf, Esq.
Continental Oil and Gas, Inc.
Denver, Colorado

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Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

I N D E X

CHARLES PARHAM

Direct Examination by Ms. Teschendorf	3
Cross Examination by Mr. Stamets	11

E X H I B I T S

Applicant Exhibit One, Plat	5
Applicant Exhibit Two, Schematic	5
Applicant Exhibit Three, C-116	8
Applicant Exhibit Four, BHP	8
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SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

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Rt. 1 Box 193-B
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Phone (505) 455-7409

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2 MR. PADILLA: Application of Consolidated
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4 New Mexico.

5 MR. STAMETS: Call for appearances in this
6 case.

7 MS. TESCHENDORF: Lynn Teschendorf, ap-
8 pearing on behalf of Consolidated Oil and Gas. I have one
9 witness.

10
11 (Witness sworn.)

12
13 CHARLES PARHAM

14 being called as a witness and having been duly sworn upon his
15 oath, testified as follows, to-wit:

16
17 DIRECT EXAMINATION

18 BY MS. TESCHENDORF:

19 MS. TESCHENDORF: At the outset I'd like
20 to call to the Examiner's attention that this case was adver-
21 tised as being San Juan County, New Mexico. I believe it's
22 Rio Arriba County, but since you have the township and range
23 right, I don't think it's a problem as far as notice goes.

24 MR. STAMETS: I wonder if we advertised
25 it in the right paper.

1 MS. TESCHENDORF: That, I don't know.

2 MR. STAMETS: We will have to look into
3 this, Ms. Teschendorf, and if we have failed to advertise it
4 in the Rio Arriba County paper, we will have to re-advertise
5 it, and I see no problem in you going ahead and presenting
6 the case here today.

7 MS. TESCHENDORF: Thank you.

8 Q Would you state your name, occupation,
9 and by whom you're employed?

10 A My name is Chuck Parham. I am a senior
11 production engineer with Consolidated Oil and Gas in Denver.

12 Q Are you familiar with the facts concerning
13 the application of Consolidated in this case?

14 A Yes, I am.

15 Q Have you testified before the Division
16 before and had your qualifications accepted as a matter of
17 record?

18 A Yes, I have.

19 MS. TESCHENDORF: Is the witness consi-
20 dered qualified?

21 MR. STAMETS: Yes.

22 Q What is Consolidated seeking in this ap-
23 plication in this case?

24 A We are seeking approval for downhole com-
25 mingling of the Blanco Mesaverde and the Basin Dakota in our

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

1 wellbore, NCR Well No. 1-E. This commingling is sought to al-
2 low us to use the Dakota gas for gas/lift purposes to lift
3 Mesaverde liquids from the hole.

4 Q Would you please refer to what has been
5 marked as Exhibit One and explain what that shows?

6 A This is simply a location plat showing
7 the location of our well and the wells in the surrounding areas,
8 as well as the offset operators.

9 Q Okay, and for the record, why don't you
10 give the exact location of that well, please?

11 A Okay. The well is located in Unit G,
12 Section 22, Township 26 North, Range 7 West, Rio Arriba County,
13 New Mexico.

14 Q Would you now refer to Exhibit Two and
15 describe that, please?

16 A This is a completion schematic of the
17 well as it exists presently. We have 8-5/8ths casing set at
18 370 feet and a string of 5-1/2 inch casing, production casing,
19 set at 7541 feet. The tubing, we have inch and a half tubing
20 for the Dakota completion and inch and a quarter tubing for
21 the Mesaverde completion.

22 And in as far as the Dakota is concerned,
23 we have a packer that is set at 7453 feet.

24 Q Would you please describe the completion
25 history of this well, including perforations and any treatment

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
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1 that the well was given?

2 A Yes. If you'll refer to this exhibit two,
3 the perforations are given. The gross interval in the Blanco
4 Mesaverde is 5303 to 5512. The Basin Dakota perfs gross inter-
5 val is 7354 to 7493.

6 The Dakota zone was acidized with 500
7 gallons of HCL and then subsequently fractured with 80,000 gal-
8 lons of gel, 105,000 pounds of 20-40 sand.

9 The Mesaverde zone was acidized with 500
10 gallons of HCL and subsequently fractured with 53,000 gallons
11 of gel and 76,000 pounds of 20-40 sand.

12 Q Following the completion of this well, were
13 you able to produce both zones?

14 A The Dakota zone would sustain production
15 on its own, but we have failed to sustain production from the
16 Mesaverde zone.

17 Q And why is that?

18 A The -- after extensive swabbing operations
19 we tried to unload the hole with nitrogen. The Mesaverde well,
20 or side of the well, will not sustain flow because of excess
21 fluids produced by the Mesaverde zone. It continues to log up
22 and will not flow on its own.

23 Q Have you been able to get the Mesaverde
24 to produce at all?

25 A Only, like I say, you know, if you could

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
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1 afford a nitrogen truck out there continually, which is out
2 of the question. We have injected Dakota gas down the casing
3 and -- during testing operations after the well was completed,
4 and were able to lift the fluids out of the Mesaverde and
5 produce both zones that way.

6 Q What is the current status of Dakota pro-
7 duction?

8 A The Dakota well is on production right
9 now. It's producing approximately 350 Mcf a day and about
10 5 barrels of oil, 1 barrel of water.

11 The Mesaverde zone is shut-in.

12 Q What was the date of first production on
13 the Dakota?

14 A Let's see. The Dakota zone was -- first
15 delivery was 5-13-80.

16 Q Do you have any estimates on water or oil
17 production from the Mesaverde?

18 A So far as the water production, we do have
19 estimates which are strictly estimates, judging from what we
20 saw from the Dakota. We would estimate somewhere in the
21 neighborhood of 15 to 20 barrels of water production from the
22 Mesaverde per day.

23 Q Any oil? Any condensate?

24 A Yes, there is some condensate associated
25 with that. It would probably be somewhere in the neighborhood

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B

Santa Fe, New Mexico 87501

Phone (505) 455-7409

1 of 2 to 3 barrels, per day.

2 Q Would you now refer to Exhibit Three and
3 describe that?

4 A Okay, this is simply a recent test from
5 our -- it's C-116, and it's a recent test from the Dakota
6 zone, showing flowing tubing pressure, 340 pounds, and gas
7 production 415 Mcf per day, 5 barrels of oil and 1 barrel of
8 water.

9 Q What was the date of that test?

10 A That was dated June 6th of 1980.

11 Q Would you now refer to Exhibit Four and
12 explain that?

13 A This is a bottom hole pressure that was
14 run on the well and the AOF data. The bottom hole pressure
15 of the Dakota zone and the AOF from the Dakota.

16 Bottom hole pressure of the Dakota was
17 2824 pounds. We do not have any bottom hole pressure run on
18 the Mesaverde but I have calculated it to be about 1110 pounds
19 in the Mesaverde.

20 Q As a point of verification, is it your
21 opinion that since these zones will remain separated by a
22 packer that there will be no danger of crossflow between the
23 zones of fluids or gas?

24 A Insofar as crossflow across the packer,
25 the packer is seated, has been tested. We do have packer

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
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1 leakage tests and are assured that the packer is holding.
2 There shouldn't be any problem there.

3 Q That packer leakage test is Exhibit Five,
4 is that right?

5 A Right.

6 Q And in your opinion does the result of
7 this test show that the packer is not leaking?

8 A Yes, they do.

9 Q Would you now please describe the system,
10 the surface equipment, that will measure production from these
11 zones so that production will be properly allocated?

12 A Essentially what we propose to do is to
13 produce the Dakota zone to the surface through a separator,
14 separate our liquids into a tank, then take the gas from the
15 separator, reinject it into the casing-tubing annulus and
16 produce the Mesaverde-Dakota commingled gas back through the
17 Mesaverde tubing to the surface and measure -- well, let me
18 go back.

19 We'll measure the Dakota gas off the
20 Dakota separator before it is injected into the annulus.
21 Then the commingled production will be re-measured at the
22 surface and the difference will account for the Mesaverde
23 production.

24 Q I'm not sure you've stated this, but the
25 commingled production will also be run through the separator

GALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
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1 prior to measurement --

2 A Through a different separator liquids.

3 Q -- is that correct?

4 A It would be separated and gas measured.

5 Q Okay. Is the ownership of these two zones
6 common?

7 A Yes, it is.

8 Q Do you have anything further to add to
9 your testimony?

10 A No, I do not.

11 Q In your opinion will the granting of this
12 application prevent waste, allow a greater recovery of hydro-
13 carbons than would otherwise be recovered, and protect corre-
14 lative rights?

15 A Yes, it will. Of course, the Mesaverde
16 zone as it stands right now is incapable of sustaining pro-
17 duction and we do feel that we will be able to recover gas and
18 liquid hydrocarbons from the Mesaverde zone that otherwise
19 would not be recovered.

20 Q Were Exhibits One through Five prepared
21 under your direction or supervision or directly by you?

22 A Yes, they were.

23 MS. TESCHENDORF: At this time I'll offer
24 Exhibits One through Five in evidence.

25 MR. STAMETS: These exhibits will be ad-

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Rt. 1 Box 193-B
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mitted.

MS, TESCHENDORF: And I have nothing further.

CROSS EXAMINATION

BY MR. STAMETS:

Q Mr. Parham, how do you spell your last name?

A P-A-R-H-A-M.

Q How will the gas be injected down the annulus? Will you have a compressor there to utilize?

A No, we -- the pressure from the -- of course Dakota has sufficient pressure. We will have the relief valve on the separator set somewhere in the neighborhood of 1200 pounds. Of course, this will depend on what it will initially take, the pressure will initially take to bring the fluids around. From what we've seen in the past, it is taking anywhere from 1000 to 1100 pounds to actually bring the fluids around initially.

Q Do you expect the Mesaverde to eventually clean up and be able to produce on its own or --

A We would hope -- we would hope that it would, but at this point we really have no way of telling whether it will or not. Of course, we did not expect the excess fluids that we have seen and it is definitely possible

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
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1 that it could clean up.

2 Q Have you eliminated mechanical problems
3 as the cause for the fluid production in the Mesaverde?

4 A Yes, sir. Yes, sir, we have. I think
5 with the extensive testing that we have seen, the extensive
6 efforts that we have made to get the Mesaverde to come around
7 on its own, long periods of shut-in, nothing has seemed to work
8 to this point.

9 MR. STAMETS: Any other questions of the
10 witness? He may be excused.

11 Anything further in this case?

12 The case will be taken under advisement.

13
14 (Hearing concluded.)
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Richard L. Starn, Examiner
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I N D E X

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CHARLES PARHAM

Direct Examination by Ms. Teschendorf

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Cross Examination by Mr. Stamets

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E X H I B I T S

Applicant Exhibit One, Plat

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Applicant Exhibit Two, Schematic

5

Applicant Exhibit Three, C-116

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Applicant Exhibit Four, BHP

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Applicant Exhibit Five, Test

9

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7 the location of our well and the wells in the surrounding areas,
8 as well as the offset operators.

9 Q Okay, and for the record, why don't you
10 give the exact location of that well, please?

11 A Okay. The well is located in Unit G,
12 Section 22, Township 26 North, Range 7 West, Rio Arriba County,
13 New Mexico.

14 Q Would you now refer to Exhibit Two and
15 describe that, please?

16 A This is a completion schematic of the
17 well as it exists presently. We have 8-5/8ths casing set at
18 370 feet and a string of 5-1/2 inch casing, production casing,
19 set at 7541 feet. The tubing, we have inch and a half tubing
20 for the Dakota completion and inch and a quarter tubing for
21 the Mesaverde completion.

22 And in as far as the Dakota is concerned,
23 we have a packer that is set at 7453 feet.

24 Q Would you please describe the completion
25 history of this well, including perforations and any treatment

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1 that the well was given?

2 A Yes. If you'll refer to this exhibit two,
3 the perforations are given. The gross interval in the Blanco
4 Mesaverde is 5303 to 5512. The Basin Dakota perfs gross inter-
5 val is 7354 to 7493.

6 The Dakota zone was acidized with 500
7 gallons of HCL and then subsequently fractured with 80,000 gal-
8 lons of gel, 105,000 pounds of 20-40 sand.

9 The Mesaverde zone was acidized with 500
10 gallons of HCL and subsequently fractured with 53,000 gallons
11 of gel and 76,000 pounds of 20-40 sand.

12 Q Following the completion of this well, were
13 you able to produce both zones?

14 A The Dakota zone would sustain production
15 on its own, but we have failed to sustain production from the
16 Mesaverde zone.

17 Q And why is that?

18 A The -- after extensive swabbing operations
19 we tried to unload the hole with nitrogen. The Mesaverde well,
20 or side of the well, will not sustain flow because of excess
21 fluids produced by the Mesaverde zone. It continues to log up
22 and will not flow on its own.

23 Q Have you been able to get the Mesaverde
24 to produce at all?

25 A Only, like I say, you know, if you could

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1 afford a nitrogen truck out there continually, which is out
2 of the question. We have injected Dakota gas down the casing
3 and -- during testing operations after the well was completed,
4 and were able to lift the fluids out of the Mesaverde and
5 produce both zones that way.

6 Q What is the current status of Dakota pro-
7 duction?

8 A The Dakota well is on production right
9 now. It's producing approximately 350 Mcf a day and about
10 5 barrels of oil, 1 barrel of water.

11 The Mesaverde zone is shut-in.

12 Q What was the date of first production on
13 the Dakota?

14 A Let's see. The Dakota zone was -- first
15 delivery was 5-13-80.

16 Q Do you have any estimates on water or oil
17 production from the Mesaverde?

18 A So far as the water production, we do have
19 estimates which are strictly estimates, judging from what we
20 saw from the Dakota. We would estimate somewhere in the
21 neighborhood of 15 to 20 barrels of water production from the
22 Mesaverde per day.

23 Q Any oil? Any condensate?

24 A Yes, there is some condensate associated
25 with that. It would probably be somewhere in the neighborhood

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

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Phone (505) 455-7409

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8

1 of 2 to 3 barrels, per day.

2 Q Would you now refer to Exhibit Three and
3 describe that?

4 A Okay, this is simply a recent test from
5 our -- it's C-116, and it's a recent test from the Dakota
6 zone, showing flowing tubing pressure, 340 pounds, and gas
7 production 415 Mcf per day, 5 barrels of oil and 1 barrel of
8 water.

9 Q What was the date of that test?

10 A That was dated June 6th of 1980.

11 Q Would you now refer to Exhibit Four and
12 explain that?

13 A This is a bottom hole pressure that was
14 run on the well and the AOF data. The bottom hole pressure
15 of the Dakota zone and the AOF from the Dakota.

16 Bottom hole pressure of the Dakota was
17 2824 pounds. We do not have any bottom hole pressure run on
18 the Mesaverde but I have calculated it to be about 1110 pounds
19 in the Mesaverde.

20 Q As a point of verification, is it your
21 opinion that since these zones will remain separated by a
22 packer that there will be no danger of crossflow between the
23 zones of fluids or gas?

24 A Insofar as crossflow across the packer,
25 the packer is seated, has been tested. We do have packer

1 leakage tests and are assured that the packer is holding.
2 There shouldn't be any problem there.

3 Q That packer leakage test is Exhibit Five,
4 is that right?

5 A Right.

6 Q And in your opinion does the result of
7 this test show that the packer is not leaking?

8 A Yes, they do.

9 Q Would you now please describe the system,
10 the surface equipment, that will measure production from these
11 zones so that production will be properly allocated?

12 A Essentially what we propose to do is to
13 produce the Dakota zone to the surface through a separator,
14 separate our liquids into a tank, then take the gas from the
15 separator, reinject it into the casing-tubing annulus and
16 produce the Mesaverde-Dakota commingled gas back through the
17 Mesaverde tubing to the surface and measure -- well, let me
18 go back.

19 We'll measure the Dakota gas off the
20 Dakota separator before it is injected into the annulus.
21 Then the commingled production will be re-measured at the
22 surface and the difference will account for the Mesaverde
23 production.

24 Q I'm not sure you've stated this, but the
25 commingled production will also be run through the separator

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B

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Phone (505) 455-7409

1 prior to measurement ---

2 A Through a different separator liquids.

3 Q --- is that correct?

4 A It would be separated and gas measured.

5 Q Okay. Is the ownership of these two zones

6 common? A Yes, it is.

7 Q Do you have anything further to add to

8 your testimony? A No, I do not.

9 Q In your opinion will the granting of this

10 application prevent waste, allow a greater recovery of hydro-

11 carbons, than would otherwise be recovered, and protect corre-

12 lative rights? A Yes, it will. Of course, the Mesaverde

13 zone as it stands right now is incapable of sustaining pro-

14 duction and we do feel that we will be able to recover gas and

15 liquid hydrocarbons from the Mesaverde zone that otherwise

16 would not be recovered. Q Were Exhibits One through Five prepared

17 under your direction or supervision or directly by you? A Yes, they were.

18 MS. TESCHENDORF: At this time I'll offer

19 Exhibits One through Five in evidence.

20 MR. STAMETS: These exhibits will be ad-

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

1 mitted.

2 MS. TESCHENDORF: And I have nothing fur-
3 ther.

4
5 CROSS EXAMINATION

6 BY MR. STAMETS:

7 Q Mr. Parham, how do you spell your last
8 name?

9 A P-A-R-H-A-M.

10 Q How will the gas be injected down the
11 annulus? Will you have a compressor there to utilize?

12 A No, we -- the pressure from the -- of
13 course Dakota has sufficient pressure. We will have the relief
14 valve on the separator set somewhere in the neighborhood of
15 1200 pounds. Of course, this will depend on what it will
16 initially take, the pressure will initially take to bring the
17 fluids around. From what we've seen in the past, it is
18 taking anywhere from 1000 to 1100 pounds to actually bring
19 the fluids around initially.

20 Q Do you expect the Mesaverde to eventually
21 clean up and be able to produce on its own or --

22 A We would hope -- we would hope that it
23 would, but at this point we really have no way of telling
24 whether it will or not. Of course, we did not expect the
25 excess fluids that we have seen and it is definitely possible

SALLY W. BOYD, C.S.R.

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1 that it could clean up.

2 Q Have you eliminated mechanical problems
3 as the cause for the fluid production in the Mesaverde?

4 A Yes, sir. Yes, sir, we have. I think
5 with the extensive testing that we have seen, the extensive
6 efforts that we have made to get the Mesaverde to come around
7 on its own, long periods of shut-in, nothing has seemed to work
8 to this point.

9 MR. STAMETS: Any other questions of the
10 witness? He may be excused.

11 Anything further in this case?

12 The case will be taken under advisement.

13
14 (Hearing concluded.)
15
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SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 435-7409

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that
the foregoing Transcript of Hearing before the Oil Conserva-
tion Division was reported by me; that the said transcript
is a full, true, and correct record of the hearing, prepared
by me to the best of my ability.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. _____,
heard by me on _____ 19____.

_____, Examiner
Oil Conservation Division

Docket No. 19-30

Dockets Nos. 20-80 and 21-80 are tentatively set for July 9 and 23, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 25, 1980

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

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 6891: (Readvertised)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Midwest Refining Company, United States Fidelity & Guaranty Company, and all other interested parties to appear and show cause why the State Well No. 1 located in Unit A of Section 16, Township 33 South, Range 14 West, Hidalgo County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6929: Application of Consolidated Oil & Gas, Inc. for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blanco Mesaverde and Basin-Dakota production in the wellbore of its NCRA Well No. 1-E located in Unit G of Section 22, Township 26 North, Range 7 West, by using the Dakota gas for gas lift of Mesaverde liquids after metering on the surface.

CASE 6930: Application of Amoco Production Company for an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Empire South Deep Unit Well No. 21 to be drilled 660 feet from the North and East lines of Section 36, Township 17 South, Range 28 East, the E/2 of said Section 36 to be dedicated to the well.

CASE 6931: Application of H. L. Harvey for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Aztec-Fruitland and Bloomfield-Farmington production in the wellbore of his Jones Well No. 3 located in Unit B of Section 13, Township 29 North, Range 11 West.

CASE 6917: (Continued from June 4, 1980, Examiner Hearing)

Application of Yates Petroleum Corporation for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its Goat Roper "LP" Com. Well No. 1 located in Unit P of Section 30, Township 17 South, Range 26 East.

CASE 6932: Application of Yates Petroleum Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State "JM" Well No. 2, a Morrow test to be drilled 660 feet from the South and East lines of Section 25, Township 18 South, Range 24 East, the S/2 of said Section 25 to be dedicated to the well.

CASE 6933: Application of Yates Petroleum Corporation for two compulsory poolings, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying two 320-acre proration units, being the N/2 and the S/2 of Section 2, Township 19 South, Range 25 East, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6934: Application of Coronado Exploration Corporation for three compulsory poolings, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying three 40-acre proration units, being the NW/4 SE/4 of Section 6, the NE/4 SE/4 of Section 28, and the SW/4 NW/4 of Section 33, all in Township 11 South, Range 28 East, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.

CASE 6901: (Continued from May 21, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Mississippian formations underlying the E/2 of Section 19, Township 14 South, Range 36 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 6935: Application of Dugan Production Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and undesignated Gallup production in the wellbore of its June Joy Well No. 2 located in Unit B of Section 25, Township 24 North, Range 10 West.
- CASE 6936: Application of Dugan Production Corporation for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the $\frac{1}{2}$ of Section 26, Township 30 North, Range 14 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6916: (Continued from June 4, 1980, Examiner Hearing)
Application of Petro-Lewis Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Drinkard and Blinbry production in the wellbore of its State DC Well No. 1, a quadruple completion located in Unit F of Section 19, Township 21 South, Range 37 East.
- CASE 6937: Application of R. N. Hillin for an unorthodox location and dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of his DWV Well No. 4 to produce gas from the Wolfcamp and Morrow formations thru tubing and the annulus, respectively. Applicant further seeks approval of the unorthodox location of said well in the Wolfcamp and Pennsylvanian formations at a point 800 feet from the South line and 2000 feet from the East line of Section 34, Township 19 South, Range 28 East.
- CASE 6938: Application of Anadarko Production Company for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Dalport Federal Well No. 1 660 feet from the South and West lines of Section 20, Township 13 South, Range 31 East, Southeast Chaves Queen Gas Area, the $\frac{W}{2}$ of said Section 20 to be dedicated to the well.
- CASE 6939: Application of Anadarko Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests at a depth from 2400 feet to 5000 feet below the surface, Turkey Track Field, underlying the NE/4 SE/4 of Section 10, Township 19 South, Range 29 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6940: Application of Adobe Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through the Wolfcamp formation underlying the NW/4 SE/4 for oil and the SE/4 for gas, Section 23, Township 20 South, Range 38 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6941: Application of Ellwade Corporation for a non-standard gas proration unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 129.52-acre non-standard gas proration unit comprising the $\frac{W}{2}$ of partial Section 33, Township 26 South, Range 30 East, Ross Draw-Wolfcamp area, to be dedicated to its Ross Draw Well No. 1 located in Unit C of said Section 33.
- CASE 6942: Application of Benson-Montin-Greer Drilling Corporation for amendment of Order No. R-2565-B, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Rule 2 of the Special Pool Rules for the West Puerto Chiquito-Mancos Oil Pool as promulgated by Order No. R-2565-B to provide that all 320-acre spacing and proration units in said pool would comprise either the $\frac{W}{2}$ or the $\frac{E}{2}$ of a governmental section, provided however, that one injection well would have dedicated thereto the $\frac{N}{2}$ of Section 1, Township 24 North, Range 1 West, and also that the short 400-acre sections on the South side of Township 27 North, Range 1 West, would each comprise a single spacing unit.
- CASE 6943: Application of Benson-Montin-Greer Drilling Corporation for a unit agreement, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the East Puerto Chiquito-Mancos Unit Area, comprising 9,769 acres, more or less, of Federal, Indian, and fee lands in Townships 26 and 27 North, Ranges 1 East and 1 West.

- CASE 6944: Application of Benson-Montin-Greer Drilling Corporation for a pressure maintenance project, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance project by the injection of gas, air, LPG, water, or chemicals into the Mancos formation thru 7 wells on its East Puerto Chiquito-Mancos Unit Area.
- CASE 6945: Application of ARCO Oil and Gas Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates-Seven Rivers formation in the interval from 3550 feet to 4000 feet in its Fletcher Well No. 4 in Unit J of Section 27, Township 20 South, Range 34 East, Lynch Field.
- CASE 6946: Application of Knox Industries, Inc. for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be recompleted in the Morrow formation at a point 1980 feet from the North line and 660 feet from the East line of Section 1, Township 19 South, Range 34 East, the N/2 of said Section 1 to be dedicated to the well.
- CASE 6947: Application of Knox Industries, Inc. for pool contraction and creation and an NGPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order deleting certain lands from the La Rica-Morrow Gas Pool and creating a new gas pool from said lands together with a determination that applicant's NM State Well No. 1 located in Unit F of Section 2, Township 19 South, Range 34 East, has discovered a new onshore reservoir pursuant to Section 102 of the NGPA.
- CASE 6948: Application of Maralo, Inc. for dual completions and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) and simultaneous dedication in the Jalmat Pool of four wells in its Jalmat Yates Unit to produce oil from, and later on to inject water into, its Yates formation waterflood, and to produce oil from the Seven Rivers formation from two of the wells, the Nos. 19 and 20 located in Units C and D and to produce gas from the Seven Rivers from the other two wells, the Nos. 25 and 31 located in Units F and K, all in Section 18, Township 25 South, Range 37 East.
- CASE 6949: Application of Grace Petroleum Corporation for four compulsory poolings, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Escrito-Gallup Pool underlying four 80-acre proration units, being the E/2 NE/4, the S/2 NW/4, and the W/2 NW/4 of Section 28, and the W/2 SE/4 of Section 29, all in Township 24 North, Range 7 West, each to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a charge for risk involved in drilling said wells.
- CASE 6950: Application of Bass Enterprises Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow test well to be drilled 660 feet from the North line and 1980 feet from the East line of Section 4, Township 25 South, Range 31 East, the E/2 of said Section 4 to be dedicated to the well.
- CASE 6951: Application of Bass Enterprises Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the E/2 of Section 21, Township 22 South, Range 30 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6952: Application of Exxon Corporation for a non-standard gas proration unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 378.11-acre non-standard gas proration unit comprising Lots 1 and 2 and the N/2 NE/4 of Section 31, and Lots 1, 2, 3, 4, and the N/2 N/2 of Section 32, all in Township 26 South, Range 26 East, Morrow formation, to be dedicated to its Milepost Federal Com 2 Well No. 1 located in Unit A of said Section 31.
- CASE 6925: (Readvertised)
- Application of Caribou Four Corners, Inc. for two exceptions to Rule 306, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 306 of the Division Rules and Regulations to permit the permanent flaring of gas from its Kirtland Wells Nos. 1 and 2, located in Units A and B, respectively, of Section 13, Township 29 North, Range 15 West.

CASE 6914: (Continued from June 4, 1980, Examiner Hearing)

Application of Wilson Oil Company for a non-standard proration unit and unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 320-acre non-standard gas proration unit comprising the S/2 of Section 29, Township 20 South, Range 36 East, North Osado-Morrow Gas Pool, to be dedicated to its State JD Well No. 1 at an unorthodox location 1650 feet from the South line and 1980 feet from the West line of said Section 29.

CASE 6896: (This case will be continued to the July 9, 1980, Examiner Hearing)

Application of John E. Schalk for a non-standard gas proration unit and an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard Blanco Mesaverde gas proration unit comprising the NE/4 of Section 8, Township 25 North, Range 3 West, to be dedicated to his Gulf Well No. 2 to be drilled at an unorthodox location 1925 feet from the North line and 790 feet from the East line of said Section 8.

CASE 6487: (Continued from April 23, 1980, Examiner Hearing)

Application of El Paso Natural Gas Company for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its Shell E State Com Well No. 2 located in Unit N of Section 6, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.

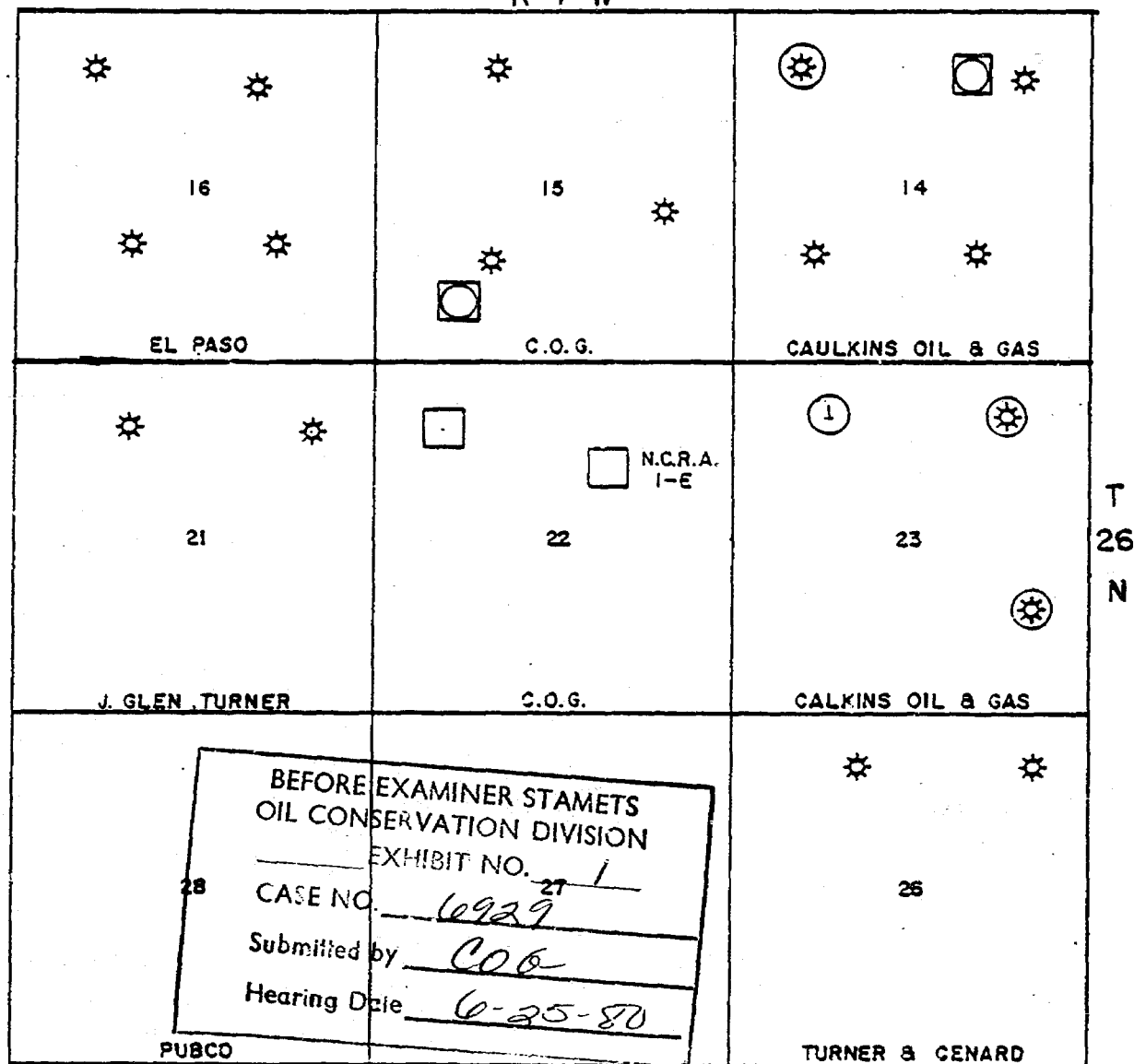
OFFSET OPERATORS PLAT

CONSOLIDATED OIL AND GAS INC.

WELL : N.C.R.A. I-E

LOCATION : 1550' FNL & 1850' FEL, Sec. 22, T26N-R7W N.M.P.H
RIO ARriba COUNTY, NEW MEXICO

R 7 W




T
26
N


 DAKOTA

 MESA VERDE

 PICTURE CLIFFS


 GALLUP

 MESA VERDE - PIC. CLIFFS DUAL

 MESA VERDE - GALLUP DUAL

 MESA VERDE - DAKOTA DUAL

 DAKOTA - PIC. CLIFFS DUAL

 DAKOTA - GALLUP DUAL

 GALLUP - PIC. CLIFFS DUAL

Elevation: G.L. 6928
K.B. 6939

300sx C1 "8" w/2% CaCl₂
Circulated to surface

13-3/4" hole to 373

8-5/8", 24#, ST&C
@ 370' KB

1-1/4", EUE, V-55

suspended @ 5382

Blanco Mesaverde perfs: 5303-5512

Cement stage collar @ 5605
with 165 sx. 65-35 Poz &
200 sx. 50-50 Poz.

1-1/2", 2.9#, V-55, EUE
@ 7453

7-7/8" hole to 7541

Basin Dakota perfs: 7354-7493

PBTD @ 7513'

5-1/2", 15.5#, K-55
casing @ 7541 with 100 sx.
65-35 Poz & 165 sx.
50-50 Poz.

Completion Schematic
to Accompany Application
for Dual Completion
CONSOLIDATED OIL & GAS, INC.
NCRA No. 1-E
Section 22, T26N, R7W
Rio Arriba County, New Mexico
May 8, ~~1978~~ 1980

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 2

CASE NO. 6929

Submitted by COG

Hearing Date 6-25-80

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS - OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator Consolidated Oil & Gas, Inc.		Pool Basin Dakota				County Rio Arriba										
Address Denver, Colorado 80295						TYPE OF TEST -- (X)		Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/>		Special <input type="checkbox"/>				
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	T.B.G. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU. FT./BBL.
		U	S	T	R							WATER BBL.S.	GRAV. OIL	OIL BBL.S.	GAS M.C.F.	
NCRA	1E	G	22	2GN	7W	6-6-80		Open	340	-	24	1	-	5	415	83,000

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 16929
Submitted by COG
Hearing Date 10-25-80

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity here will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

C.M. Pulan
(Signature)

Reservoir Engineer
(Title)

6-8-80
(Date)

TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Well : NCRA No. 1-E
Field : BASIN DAKOTA

Page 1 of 5

File 2-9865-AOF & P

CHRONOLOGICAL PRODUCTION DATA

1979 Date	Status of Well	Time	Elapsed Time Hrs.Min.	BHP @ 7200' Psig	Wellhead Pressure		
					Mesa Verde Tbg.	Dakota Csg.	Tubing
12-13	Shut in 7 days	10:00					
"	Shut in BHP @ 7200'	12:00					
"	Open well 2" X 3/4"	13:30	0 00	2824	420	600	2100
"	"	13:45	0 15				
"	"	14:00	0 30		420	600	281
"	"	14:15	0 45		420	600	150
"	"	14:30	1 00		420	600	110
"	"	15:00	1 30		420	600	121
"	"	15:30	2 00		420	600	90
"	"	16:30	3 00		420	600	87
					420	600	54

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 4

CASE NO. 10929

Submitted by COG

Hearing Date 6-25-80

This form is not to be used for reporting pocket leakage from in-cartridge New Mexico

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Consolidated Oil & Gas Inc Lease NCRA No. 1E (1D)
Location
of Well: Unit G Sec. 22 Twp. 26 Rge. 7 County Rio Arriba

Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. or Csg.)
---------------------------	-------------------------------	--	--------------------------------

	NAME OF RESERVOIR OR POOL	CH. OF GAS	FLOW OF AIR: LIT.	TEMP. OF CH.
Upper Completion	Mesa Verde	Gas	Flow	Tbg.
Lower Completion	Dakota	Gas	Flow	Tbg.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper	Hour, date	3-6-80	Length of time shut-in 7-Days	SI press.	420	Tbg.	Stabilized?
Compl	Shut-in			nsig	600	Csg	(Yes or No) No
Lower	Hour, date	3-6-80	Length of time shut-in 7-Days	SI press.			Stabilized?
Compl	Shut-in			nsig	2100		(Yes or No) No

FLOW TEST NO. 1

Commenced at (hour, date)*		3-13-80		Zone producing (Upper or Lower): Lower	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl.	Lower Compl.		
3-13-80	15-Min	Tbg 420	Csg. 600	281	Lower Zone Flowing
3-13-80	30-Min	420	600	150	Lower Zone Flowing
3-13-80	45-Min	420	600	121	Lower Zone Flowing
3-13-80	1-Hour	420	600	110	Lower Zone Flowing
3-13-80	2-Hours	420	600	87	Lower Zone Flowing
3-13-80	3-Hours	420	600	54	Lower Zone Flowing

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: 115 MCFPD; Tested thru (Orifice or Meter): _____ Choke _____

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in 3-6-80	Length of time shut-in 14-Days	SI press. 970 Csg psig 928 Tbg.	Stabilized? (Yes or No) No
Lower Compl	Hour, date Shut-in 3-13-80	Length of time shut-in 7-Days	SI press. psig 2120	Stabilized? (Yes or No) Yes

FLOW TEST NO. 2

Commenced at (hour, date)**					Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks .	
		Upper Compl.	Lower Compl.			
3-20-80	15-Min	Tbg. 10	Csg. 900	2120	Upper Zone Flowing	
3-20-80	30-Min	0	900	2120	Upper Zone Flowing	
3-20-80	45-Min	0	900	2120	Upper Zone Flowing	
3-20-80	1-Hour	0	900	2120	Upper Zone Flowing	
3-20-80	2-Hours	0	900	2120	Upper Zone Flowing	
3-20-80	3-Hours	0	900	2120	Upper Zone Flowing	

[illegible]

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. _____ Grav. _____ GOR _____
Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____ Choke _____

REMARKS:

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved:

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

Operator Consolidated Oil & Gas Inc

Oil Conservation

DIVISION EXHIBIT NO. 5

By

CASE NO. 6929

Title Production Superintendent

34

Submitted by COLO

Date _____

title

~~Hearing Date 6-25-82~~

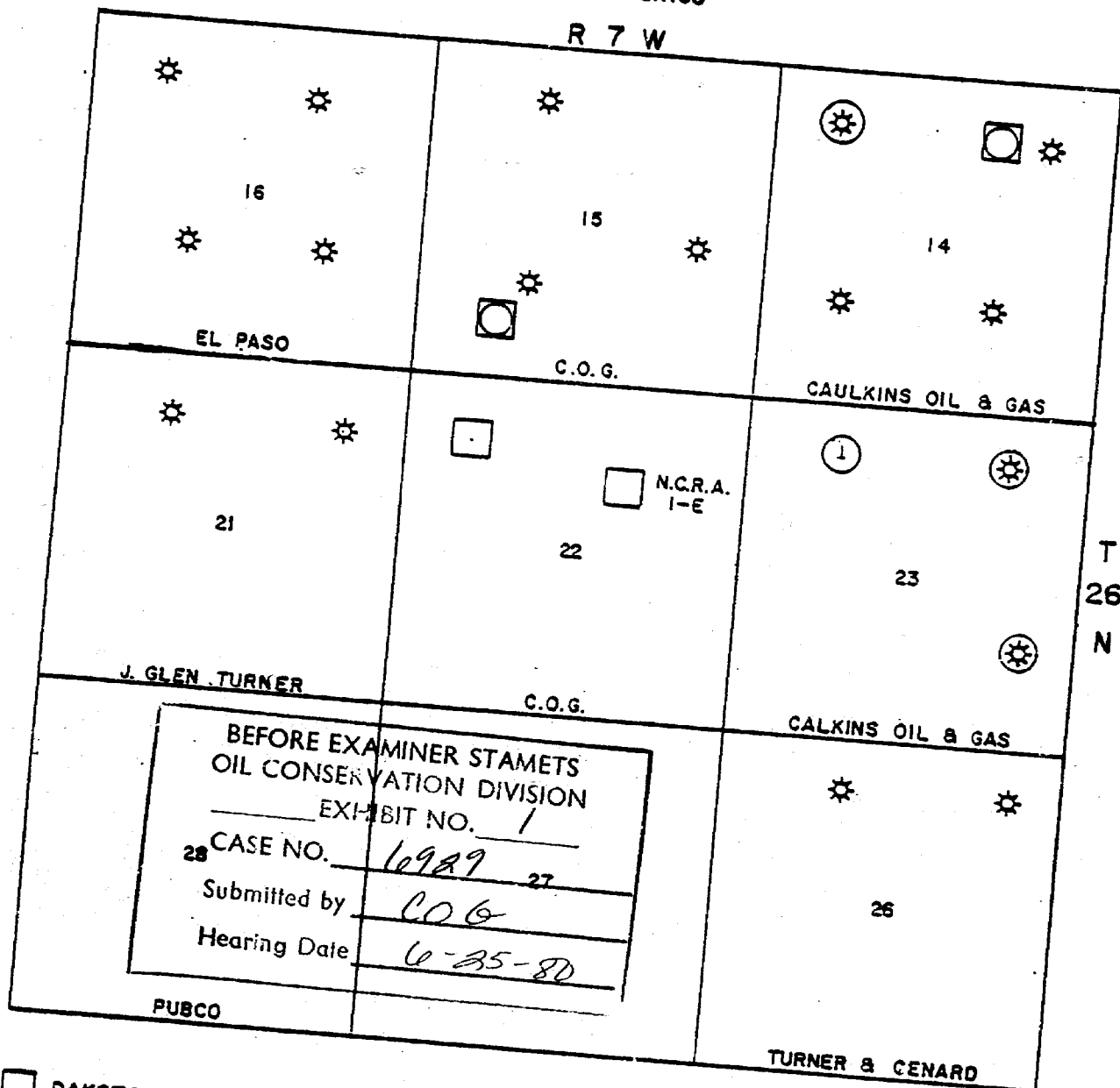
OFFSET OPERATORS PLAT

CONSOLIDATED OIL AND GAS INC.

WELL : N.C.R.A. 1-E

LOCATION : 1550' FNL & 1850' FEL, Sec 22, T26N-R7W N.M.P.H
RIO ARRIBA COUNTY, NEW MEXICO

R 7 W



- ☐ DAKOTA
- ☐ MESA VERDE
- ☒ PICTURE CLIFFS
- ☐ GALLUP
- ☒ MESA VERDE - PIC. CLIFFS DUAL
- ☒ MESA VERDE - GALLUP DUAL
- ☒ MESA VERDE - DAKOTA DUAL
- ☒ DAKOTA - PIC. CLIFFS DUAL
- ☒ DAKOTA - GALLUP DUAL
- ☒ GALLUP - PIC. CLIFFS DUAL

Elevation: G.L. 6928
K.B. 6939

300 sx Cl "8" w/2% CaCl₂
Circulated to surface

13-3/4" hole to 373

8-5/8", 24#, ST&C
@ 370' KB

1-1/4", EUE, V-55
suspended @ 5382

Blanco Mesaverde perfs: 5303-5512

Cement stage collar @ 5605
with 165 sx. 65-35 Poz &
200 sx. 50-50 Poz.

1-1/2", 2.9#, V-55; EUE
@ 7453

7-7/8" hole to 7541

Basin Dakota perfs: 7354-7493

5-1/2", 15.5#, K-55
casing @ 7541 with 100 sx.
65-35 Poz & 165 sx.
50-50 Poz.

PBTD @ 7513'

Completion Schematic
to Accompany Application
for Dual Completion
CONSOLIDATED OIL & GAS, INC.
NCRA No. 1-E
Section 22, T26N, R7W
Rio Arriba County, New Mexico
May 8, ~~1978~~ 1980

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 2

CASE NO. 6929

Submitted by COG

Hearing Date 6-25-80

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Consolidated Oil & Gas, Inc.		Pool Basin Dakota				County Rio Arriba										
Address Denver, Colorado 80295						TYPE OF TEST - (X)		Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/>		Special <input type="checkbox"/>				
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU. FT./BBL.
		U	S	T	R							WATER BBL.	GRAV. OIL	OIL BBL.	GAS M.C.F.	
NCRA	1E	G	22	2GN	7W	6-6-80		Open	340	-	24	1	-	5	415	83,000

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 16929
Submitted by COC
Hearing Date 10-25-80

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

C.M. Puhar

(Signature)

Reservoir Engineer

(Title)

6-8-80

(Date)

TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Well : NCRA No. 1-E
Field : BASIN DAKOTA

Page 1 of 5
File 2-9865-AOF & P

CHRONOLOGICAL PRODUCTION DATA

1979	Status of Well	Time	Elapsed Time Hrs.Min.	BHP @ 7200' Psig	Wellhead Pressure Mesa Verde Dakota Tbg. Csg. Tubing		
12-13	Shut in 7 days	10:00					
"	Shut in BHP @ 7200'	12:00		2824	420	600	2100
"	Open well 2" X 3/4"	13:30	0 00				
"	"	13:45	0 15		420	600	281
"	"	14:00	0 30		420	600	150
"	"	14:15	0 45		420	600	110
"	"	14:30	1 00		420	600	121
"	"	15:00	1 30		420	600	90
"	"	15:30	2 00		420	600	87
"	"	16:30	3 00		420	600	54

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 4

CASE NO. 6929

Submitted by COB

Hearing Date 10-25-80

This form is to be used for reporting production data from a well in the state of New Mexico.

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Consolidated Oil & Gas Inc Lease NCRA Well No. 1E (MD)
 Location of Well: Unit G Sec. 22 Twp. 26 Rge. 7 County Rio Arriba

Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. or Csg.)
Upper Completion <u>Mesa Verde</u>	<u>Gas</u>	<u>Flow</u>	<u>Tbg.</u>
Lower Completion <u>Dakota</u>	<u>Gas</u>	<u>Flow</u>	<u>Tbg.</u>

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	Length of time shut-in 7-Days	SI press. nsig	Tbg. Csg	Stabilized? (Yes or No)
	<u>3-6-80</u>		<u>420</u>	<u>600</u>	<u>No</u>
Lower Compl	Hour, date Shut-in	Length of time shut-in 7-Days	SI press. nsig		Stabilized? (Yes or No)
	<u>3-6-80</u>		<u>2100</u>		<u>No</u>

FLOW TEST NO. 1

Commenced at (hour, date)*				3-13-80		Zone producing (Upper or Lower): Lower	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Tempo.	Remarks		
		Upper Compl.	Lower Compl.				
3-13-80	15-Min	Tbg 420	Csg. 600	281	Lower Zone Flowing		
3-13-80	30-Min	420	600	150	Lower Zone Flowing		
3-13-80	45-Min	420	600	121	Lower Zone Flowing		
3-13-80	1-Hour	420	600	110	Lower Zone Flowing		
3-13-80	2-Hours	420	600	87	Lower Zone Flowing		
3-13-80	3-Hours	420	600	54	Lower Zone Flowing		

Production rate during test

Oil: 115 BOPD based on 115 Bbls. in 1 Hrs. Grav. GOR
 Gas: 115 MCFPD; Tested thru (Orifice or Meter): Choke

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in	Length of time shut-in	SI press. nsig	Tbg. Csg	Stabilized? (Yes or No)
	<u>3-6-80</u>	<u>14-Days</u>	<u>970</u>	<u>928</u>	<u>No</u>
Lower Compl	Hour, date Shut-in	Length of time shut-in	SI press. nsig		Stabilized? (Yes or No)
	<u>3-13-80</u>	<u>7-Days</u>	<u>2120</u>		<u>Yes</u>

FLOW TEST NO. 2

Commenced at (hour, date)**					Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since **	Pressure			Prod. Zone Temp.	Remarks
		Upper Tbg.	Compl. Csg.	Lower Compl.		
3-20-80	15-Min	10	900	2120		Upper Zone Flowing
3-20-80	30-Min	0	900	2120		Upper Zone Flowing
3-20-80	45-Min	0	900	2120		Upper Zone Flowing
3-20-80	1-Hour	0	900	2120		Upper Zone Flowing
3-20-80	2-Hours	0	900	2120		Upper Zone Flowing
3-20-80	3-Hours	0	900	2120		Upper Zone Flowing

Production rate during test

Oil: 0 BOPD based on 0 Bbls. in 1 Hrs. Grav. GOR
 Gas: 0 MCFPD; Tested thru (Orifice or Meter): Choke

REMARKS:

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved:	Operator <u>Consolidated Oil & Gas Inc</u>
Oil Conservation Division	By <u>Production Superintendent</u>
EXHIBIT NO. <u>5</u>	
CASE NO. <u>6929</u>	Title
Submitted by <u>C06</u>	Date
Hearing Date <u>6-25-80</u>	

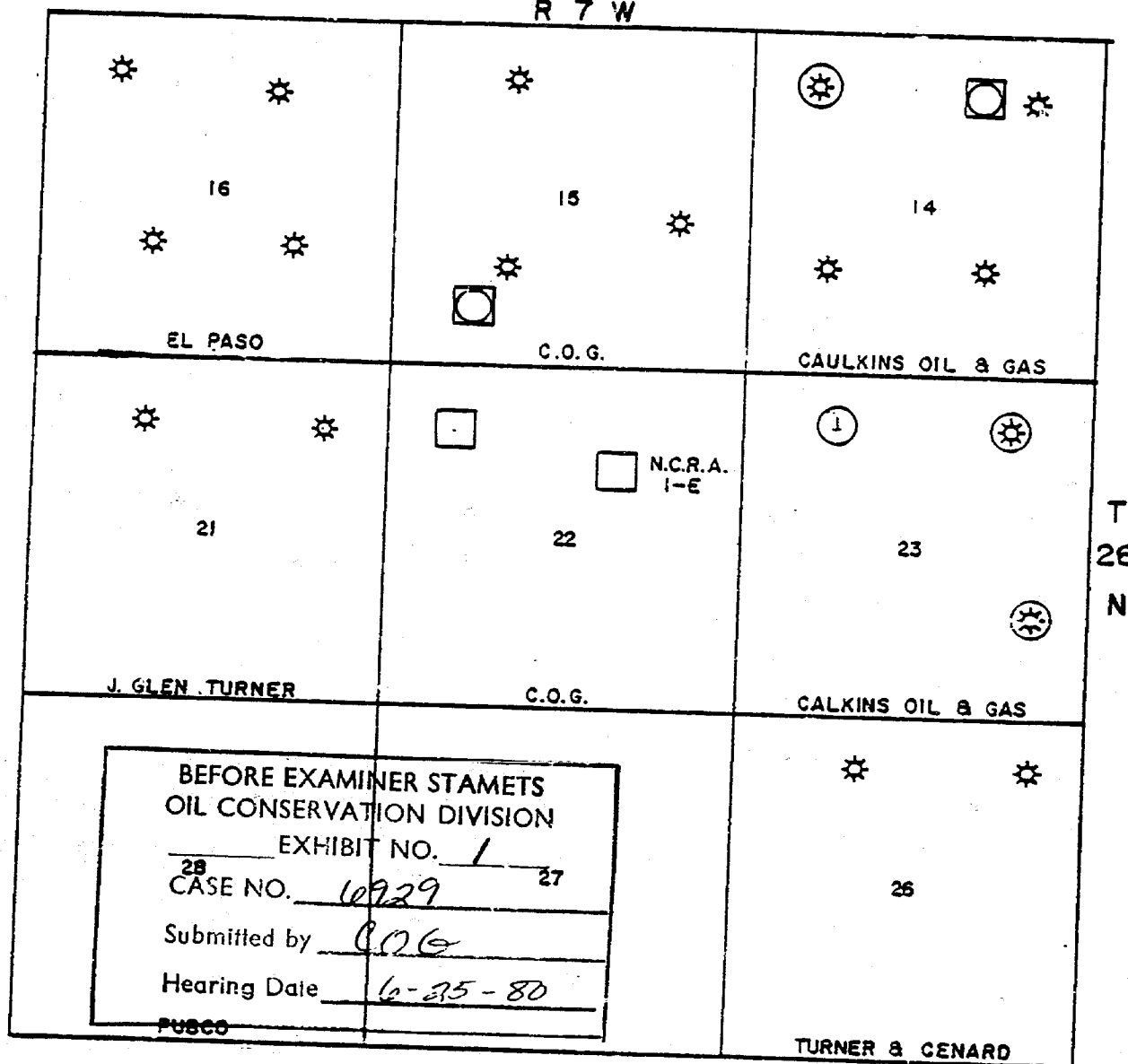
OFFSET OPERATORS PLAT

CONSOLIDATED OIL AND GAS INC.











WELL : N.C.R.A. I-E

LOCATION : 1550' FNL & 1850' FEL, Sec. 22, T26N-R7W N.M.P.H
RIO ARriba COUNTY, NEW MEXICO

R 7 W



T
26
N

- | | |
|---|---|
|  DAKOTA |  MESA VERDE - GALLUP DUAL |
|  MESA VERDE |  MESA VERDE - DAKOTA DUAL |
|  PICTURE CLIFFS |  DAKOTA - PIC. CLIFFS DUAL |
|  GALLUP |  DAKOTA - GALLUP DUAL |
|  MESA VERDE - PIC. CLIFFS DUAL |  GALLUP - PIC. CLIFFS DUAL |

Elevation: G.L. 6928
K.B. 6939

300sx C1 "B" w/2% CaCl₂
Circulated to surface

13-3/4" hole to 373

8-5/8", 24#, ST&C
@ 370' KB

Completion Schematic
to Accompany Application
for Dual Completion
CONSOLIDATED OIL & GAS, INC.
NCRA No. 1-E
Section 22, T26N, R7W
Rio Arriba County, New Mexico
May 8, ~~1978~~ 1980

1-1/4", EUE, V-55
suspended @ 5382

Blanco Mesaverde perms: 5303-5512

Cement stage collar @ 5605
with 165 sx. 65-35 Poz &
200 sx. 50-50 Poz.

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 2

CASE NO. 10929

Submitted by COG

Hearing Date 6-25-80

1-1/2", 2.9#, V-55, EUE
@ 7453

7-7/8" hole to 7541

Basin Dakota perms: 7354-7493

PBTD @ 7513'

5-1/2", 15.5#, K-55
casing @ 7541 with 100 sx.
65-35 Poz & 165 sx.
50-50 Poz.

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Consolidated Oil & Gas, Inc.				Pool Basin Dakota				County Rio Arriba								
Address Denver, Colorado 80295						TYPE OF TEST - (X)		Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/>		Special <input type="checkbox"/>				
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TUB. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL.
		U	S	T	R							WATER BBL.	GRAV. OIL	OIL BBL.	GAS M.C.F.	
NCRA	1E	G	22	2GN	7W	6-6-80		Open	340	-	24	1	-	5	415	83,000

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 6929
Submitted by COG
Hearing Date 6-25-80

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

C.M. Puhar

(Signature)

Reservoir Engineer

(Title)

6-8-80

(Date)

TEFTELLER, INC.
RESERVOIR ENGINEERING DATA
Midland, Texas

Well : NCRA No. 1-E

Page 1 of 5

Field : BASIN DAKOTA

File 2-9865-AOF & P

CHRONOLOGICAL PRODUCTION DATA

1979 Date	Status of Well	Time	Elapsed Time Hrs.Min.	BHP @ 7200' Psig	Wellhead Pressure Mesa Verde Dakota Tbg. Csg. Tubing		
12-13	Shut in 7 days	10:00					
"	Shut in BHP @ 7200'	12:00		2824	420	600	2100
"	Open well 2" X 3/4"	13:30	0 00				
"	"	13:45	0 15		420	600	281
"	"	14:00	0 30		420	600	150
"	"	14:15	0 45		420	600	110
"	"	14:30	1 00		420	600	121
"	"	15:00	1 30		420	600	90
"	"	15:30	2 00		420	600	87
"	"	16:30	3 00		420	600	54

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 4

CASE NO. 6927

Submitted by COG

Hearing Date 6-25-80

Info from Form 1-1 in
to be used for reporting
primary leakage tests
in accordance with Section

NORTHEAST NEW MEXICO PACKER-LEAKAGE TEST

Operator Consolidated Oil & Gas Inc Lease NCRA Well No. 1E (MD)
Location of Well: Unit G Sec. 22 Twp. 26 Rge. 7 County Rio Arriba
Type of Prod. Method of Prod. Prod. Medium
(Oil or Gas) (Flow or Art. Lift) (Tbg. or Csg.)

Upper Completion	Mesa Verde	Gas	Flow	Tbg.
Lower Completion	Dakota	Gas	Flow	Tbg.

PRE-FLOW SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in 3-6-80	Length of time shut-in 7-Days	SI press. 420 Tbg. 600 Csg.	Stabilized? (Yes or No) No
Lower Compl	Hour, date Shut-in 3-6-80	Length of time shut-in 7-Days	SI press. 2100	Stabilized? (Yes or No) No

FLOW TEST NO. 1

Commenced at (hour, date)*		3-13-80		Zone producing (Upper or Lower): Lower	
Time (hour, date)	Lapsed time since*	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl. Tbg. Csg.	Lower Compl.		
3-13-80	15-Min	420 600	281		Lower Zone Flowing
3-13-80	30-Min	420 600	150		Lower Zone Flowing
3-13-80	45-Min	420 600	121		Lower Zone Flowing
3-13-80	1-Hour	420 600	110		Lower Zone Flowing
3-13-80	2-Hours	420 600	87		Lower Zone Flowing
3-13-80	3-Hours	420 600	54		Lower Zone Flowing

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. Grav. _____ GOR _____
Gas: 115 MCFPD; Tested thru (Orifice or Meter): Choke

MID-TEST SHUT-IN PRESSURE DATA

Upper Compl	Hour, date Shut-in 3-6-80	Length of time shut-in 14-Days	SI press. 970 Csg. 928 Tbg.	Stabilized? (Yes or No) No
Lower Compl	Hour, date Shut-in 3-13-80	Length of time shut-in 7-Days	SI press. 2120	Stabilized? (Yes or No) Yes

FLOW TEST NO. 2

Commenced at (hour, date)**				Zone producing (Upper or Lower):	
Time (hour, date)	Lapsed time since **	Pressure		Prod. Zone Temp.	Remarks
		Upper Compl. Tbg. Csg.	Lower Compl.		
3-20-80	15-Min	10 900	2120		Upper Zone Flowing
3-20-80	30-Min	0 900	2120		Upper Zone Flowing
3-20-80	45-Min	0 900	2120		Upper Zone Flowing
3-20-80	1-Hour	0 900	2120		Upper Zone Flowing
3-20-80	2-Hours	0 900	2120		Upper Zone Flowing
3-20-80	3-Hours	0 900	2120		Upper Zone Flowing

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hrs. Grav. _____ GOR _____
Gas: 0 MCFPD; Tested thru (Orifice or Meter): Choke

REMARKS: _____

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Operator	<u>Consolidated Oil & Gas Inc</u>		
Approved:	BEFORE EXAMINER STAMETS		
Oil Conservation Division	OIL CONSERVATION DIVISION		
By	EXHIBIT NO. <u>5</u>	Title	Production Superintendent
	CASE NO. <u>10929</u>		
Title	Submitted by <u>COG</u>	Date	
	Hearing Date <u>10-25-80</u>		

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. Packer leakage test shall be commenced on each multiple completion well within seven days after actual completion of the well and without interruption of production to the order of completion of the completion. Such tests shall also be commenced on all multiple completions within seven days following the completion of the completion or fracture treatment, whichever is later, and on a well during which the pressure of the well is being maintained. Tests shall also be taken at any time the well is shut-in or otherwise not producing.
2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be conducted. Field operators shall also be so notified.
3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the wellhead pressure in each has stabilized, provided however that they need not remain shut-in more than seven days.
4. Production Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: If, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: Before test; immediately after the completion of the test; and at 15, 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180, 195, 210, 225, 240, 255, 270, 285, 300, 315, 330, 345, 360, 375, 390, 405, 420, 435, 450, 465, 480, 495, 510, 525, 540, 555, 570, 585, 600, 615, 630, 645, 660, 675, 690, 705, 720, 735, 750, 765, 780, 795, 810, 825, 840, 855, 870, 885, 900, 915, 930, 945, 960, 975, 990, 1005, 1020, 1035, 1050, 1065, 1080, 1095, 1110, 1125, 1140, 1155, 1170, 1185, 1200, 1215, 1230, 1245, 1260, 1275, 1290, 1305, 1320, 1335, 1350, 1365, 1380, 1395, 1410, 1425, 1440, 1455, 1470, 1485, 1500, 1515, 1530, 1545, 1560, 1575, 1590, 1605, 1620, 1635, 1650, 1665, 1680, 1695, 1710, 1725, 1740, 1755, 1770, 1785, 1800, 1815, 1830, 1845, 1860, 1875, 1890, 1905, 1920, 1935, 1950, 1965, 1980, 1995, 2010, 2025, 2040, 2055, 2070, 2085, 2100, 2115, 2130, 2145, 2160, 2175, 2190, 2205, 2220, 2235, 2250, 2265, 2280, 2295, 2310, 2325, 2340, 2355, 2370, 2385, 2400, 2415, 2430, 2445, 2460, 2475, 2490, 2505, 2520, 2535, 2550, 2565, 2580, 2595, 2610, 2625, 2640, 2655, 2670, 2685, 2700, 2715, 2730, 2745, 2760, 2775, 2790, 2805, 2820, 2835, 2850, 2865, 2880, 2895, 2910, 2925, 2940, 2955, 2970, 2985, 3000, 3015, 3030, 3045, 3060, 3075, 3090, 3105, 3120, 3135, 3150, 3165, 3180, 3195, 3210, 3225, 3240, 3255, 3270, 3285, 3300, 3315, 3330, 3345, 3360, 3375, 3390, 3405, 3420, 3435, 3450, 3465, 3480, 3495, 3510, 3525, 3540, 3555, 3570, 3585, 3600, 3615, 3630, 3645, 3660, 3675, 3690, 3705, 3720, 3735, 3750, 3765, 3780, 3795, 3810, 3825, 3840, 3855, 3870, 3885, 3900, 3915, 3930, 3945, 3960, 3975, 3990, 4005, 4020, 4035, 4050, 4065, 4080, 4095, 4110, 4125, 4140, 4155, 4170, 4185, 4200, 4215, 4230, 4245, 4260, 4275, 4290, 4305, 4320, 4335, 4350, 4365, 4380, 4395, 4410, 4425, 4440, 4455, 4470, 4485, 4500, 4515, 4530, 4545, 4560, 4575, 4590, 4605, 4620, 4635, 4650, 4665, 4680, 4695, 4710, 4725, 4740, 4755, 4770, 4785, 4800, 4815, 4830, 4845, 4860, 4875, 4890, 4905, 4920, 4935, 4950, 4965, 4980, 4995, 5010, 5025, 5040, 5055, 5070, 5085, 5100, 5115, 5130, 5145, 5160, 5175, 5190, 5205, 5220, 5235, 5250, 5265, 5280, 5295, 5310, 5325, 5340, 5355, 5370, 5385, 5400, 5415, 5430, 5445, 5460, 5475, 5490, 5505, 5520, 5535, 5550, 5565, 5580, 5595, 5610, 5625, 5640, 5655, 5670, 5685, 5700, 5715, 5730, 5745, 5760, 5775, 5790, 5805, 5820, 5835, 5850, 5865, 5880, 5895, 5910, 5925, 5940, 5955, 5970, 5985, 6000, 6015, 6030, 6045, 6060, 6075, 6090, 6105, 6120, 6135, 6150, 6165, 6180, 6195, 6210, 6225, 6240, 6255, 6270, 6285, 6300, 6315, 6330, 6345, 6360, 6375, 6390, 6405, 6420, 6435, 6450, 6465, 6480, 6495, 6510, 6525, 6540, 6555, 6570, 6585, 6600, 6615, 6630, 6645, 6660, 6675, 6690, 6705, 6720, 6735, 6750, 6765, 6780, 6795, 6810, 6825, 6840, 6855, 6870, 6885, 6900, 6915, 6930, 6945, 6960, 6975, 6990, 7005, 7020, 7035, 7050, 7065, 7080, 7095, 7110, 7125, 7140, 7155, 7170, 7185, 7200, 7215, 7230, 7245, 7260, 7275, 7290, 7305, 7320, 7335, 7350, 7365, 7380, 7395, 7410, 7425, 7440, 7455, 7470, 7485, 7500, 7515, 7530, 7545, 7560, 7575, 7590, 7605, 7620, 7635, 7650, 7665, 7680, 7695, 7710, 7725, 7740, 7755, 7770, 7785, 7800, 7815, 7830, 7845, 7860, 7875, 7890, 7905, 7920, 7935, 7950, 7965, 7980, 7995, 8010, 8025, 8040, 8055, 8070, 8085, 8100, 8115, 8130, 8145, 8160, 8175, 8190, 8205, 8220, 8235, 8250, 8265, 8280, 8295, 8310, 8325, 8340, 8355, 8370, 8385, 8400, 8415, 8430, 8445, 8460, 8475, 8490, 8505, 8520, 8535, 8550, 8565, 8580, 8595, 8610, 8625, 8640, 8655, 8670, 8685, 8700, 8715, 8730, 8745, 8760, 8775, 8790, 8805, 8820, 8835, 8850, 8865, 8880, 8895, 8910, 8925, 8940, 8955, 8970, 8985, 9000, 9015, 9030, 9045, 9060, 9075, 9090, 9105, 9120, 9135, 9150, 9165, 9180, 9195, 9210, 9225, 9240, 9255, 9270, 9285, 9300, 9315, 9330, 9345, 9360, 9375, 9390, 9405, 9420, 9435, 9450, 9465, 9480, 9495, 9510, 9525, 9540, 9555, 9570, 9585, 9600, 9615, 9630, 9645, 9660, 9675, 9690, 9705, 9720, 9735, 9750, 9765, 9780, 9795, 9810, 9825, 9840, 9855, 9870, 9885, 9900, 9915, 9930, 9945, 9960, 9975, 9990, 10005, 10020, 10035, 10050, 10065, 10080, 10095, 10110, 10125, 10140, 10155, 10170, 10185, 10200, 10215, 10230, 10245, 10260, 10275, 10290, 10305, 10320, 10335, 10350, 10365, 10380, 10395, 10410, 10425, 10440, 10455, 10470, 10485, 10500, 10515, 10530, 10545, 10560, 10575, 10590, 10605, 10620, 10635, 10650, 10665, 10680, 10695, 10710, 10725, 10740, 10755, 10770, 10785, 10800, 10815, 10830, 10845, 10860, 10875, 10890, 10905, 10920, 10935, 10950, 10965, 10980, 10995, 11010, 11025, 11040, 11055, 11070, 11085, 11100, 11115, 11130, 11145, 11160, 11175, 11190, 11205, 11220, 11235, 11250, 11265, 11280, 11295, 11310, 11325, 11340, 11355, 11370, 11385, 11400, 11415, 11430, 11445, 11460, 11475, 11490, 11505, 11520, 11535, 11550, 11565, 11580, 11595, 11610, 11625, 11640, 11655, 11670, 11685, 11700, 11715, 11730, 11745, 11760, 11775, 11790, 11805, 11820, 11835, 11850, 11865, 11880, 11895, 11910, 11925, 11940, 11955, 11970, 11985, 12000, 12015, 12030, 12045, 12060, 12075, 12090, 12105, 12120, 12135, 12150, 12165, 12180, 12195, 12210, 12225, 12240, 12255, 12270, 12285, 12300, 12315, 12330, 12345, 12360, 12375, 12390, 12405, 12420, 12435, 12450, 12465, 12480, 12495, 12510, 12525, 12540, 12555, 12570, 12585, 12600, 12615, 12630, 12645, 12660, 12675, 12690, 12705, 12720, 12735, 12750, 12765, 12780, 12795, 12810, 12825, 12840, 12855, 12870, 12885, 12900, 12915, 12930, 12945, 12960, 12975, 12990, 13005, 13020, 13035, 13050, 13065, 13080, 13095, 13110, 13125, 13140, 13155, 13170, 13185, 13200, 13215, 13230, 13245, 13260, 13275, 13290, 13305, 13320, 13335, 13350, 13365, 13380, 13395, 13410, 13425, 13440, 13455, 13470, 13485, 13500, 13515, 13530, 13545, 13560, 13575, 13590, 13605, 13620, 13635, 13650, 13665, 13680, 13695, 13710, 13725, 13740, 13755, 13770, 13785, 13800, 13815, 13830, 13845, 13860, 13875, 13890, 13905, 13920, 13935, 13950, 13965, 13980, 13995, 14010, 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16170, 16185, 16200, 16215, 16230, 16245, 16260, 16275, 16290, 16305, 16320, 16335, 16350, 16365, 16380, 16395, 16410, 16425, 16440, 16455, 16470, 16485, 16500, 16515, 16530, 16545, 16560, 16575, 16590, 16605, 16620, 16635, 16650, 16665, 16680, 16695, 16710, 16725, 16740, 16755, 16770, 16785, 16800, 16815, 16830, 16845, 16860, 16875, 16890, 16905, 16920, 16935, 16950, 16965, 16980, 16995, 17010, 17025, 17040, 17055, 17070, 17085, 17100, 17115, 17130, 17145, 17160, 17175, 17190, 17205, 17220, 17235, 17250, 17265, 17280, 17295, 17310, 17325, 17340, 17355, 17370, 17385, 17400, 17415, 17430, 17445, 17460, 17475, 17490, 17505, 17520, 17535, 17550, 17565, 17580, 17595, 17610, 17625, 17640, 17655, 17670, 17685, 17700, 17715, 17730, 17745, 17760, 17775, 17790, 17805, 17820, 17835, 17850, 17865, 17880, 17895, 17910, 17925, 17940, 17955, 17970, 17985, 18000, 18015, 18030, 18045, 18060, 18075, 18090, 18105, 18120, 18135, 18150, 18165, 18180, 18195, 18210, 18225, 18240, 18255, 18270, 18285, 18300, 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20460, 20475, 20490, 20505, 20520, 20535, 20550, 20565, 20580, 20595, 20610, 20625, 20640, 20655, 20670, 20685, 20700, 20715, 20730, 20745, 20760, 20775, 20790, 20805, 20820, 20835, 20850, 20865, 20880, 20895, 20910, 20925, 20940, 20955, 20970, 20985, 21000, 21015, 21030, 21045, 21060, 21075, 21090, 21105, 21120, 21135, 21150, 21165, 21180, 21195, 21210, 21225, 21240, 21255, 21270, 21285, 21300, 21315, 21330, 21345, 21360, 21375, 21390, 21405, 21420, 21435, 21450, 21465, 21480, 21495, 21510, 21525, 21540, 21555, 21570, 21585, 21600, 21615, 21630, 21645, 21660, 21675, 21690, 21705, 21720, 21735, 21750, 21765, 21780, 21795, 21810, 21825, 21840, 21855, 21870, 21885, 21900, 21915, 21930, 21945, 21960, 21975, 21990, 22005, 22020, 22035, 22050, 22065, 22080, 22095, 22110, 22125, 22140, 22155, 22170, 22185, 22200, 22215, 22230, 22245, 22260, 22275, 22290, 22305, 22320, 22335, 22350, 22365, 22380, 22395, 22410, 22425, 22440, 22455, 22470, 22485, 22500, 22515, 22530, 22545, 22560, 22575, 22590, 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24750, 24765, 24780, 24795, 24810, 24825, 24840, 24855, 24870, 24885, 24900, 24915, 24930, 24945, 24960, 24975, 24990, 25005, 25020, 25035, 25050, 25065, 25080, 25095, 25110, 25125, 25140, 25155, 25170, 25185, 25200, 25215, 25230, 25245, 25260, 25275, 25290, 25305, 25320, 25335, 25350, 25365, 25380, 25395, 25410, 25425, 25440, 25455, 25470, 25485, 25500, 25515, 25530, 25545, 25560, 25575, 25590, 25605, 25620, 25635, 25650, 25665, 25680, 25695, 25710, 25725, 25740, 25755, 25770, 25785, 25800, 25815, 25830, 25845, 25860, 25875, 25890, 25905, 25920, 25935, 25950, 25965, 25980, 25995, 26010, 26025, 26040, 26055, 26070, 26085, 26100, 26115, 26130, 26145, 26160, 26175, 26190, 26205, 26220, 26235, 26250, 26265, 26280, 26295, 26310, 26325, 26340, 26355, 26370, 26385, 26400, 26415, 26430, 26445, 26460, 26475, 26490, 26505, 26520, 26535, 26550, 26565, 26580, 26595, 26610, 26625, 26640, 26655, 26670, 26685, 26700, 26715, 26730, 26745, 26760, 26775, 26790, 26805, 26820

Docket No. 22-80

Dockets No. 24-80 and 25-80 are tentatively set for August 6 and 20, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - MONDAY - JULY 21, 1980

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

CASE 6967: Application of Amoco Production Company for a carbon dioxide gas unit agreement, Union, Harding, and Quay Counties, New Mexico. Applicant, in the above-styled cause, seeks approval for the Bravo Dome Carbon Dioxide Gas Unit Area, comprising 1,174,225 acres, more or less, of State, Federal, and fee lands situate in all or portions of the following townships: in Union County: Township 18 North, Ranges 34 thru 37 East; Township 19 North, Ranges 34, 35, and 36 East; Townships 20 and 21 North, Ranges 34 and 35 East; Townships 22 and 23 North, Ranges 30 thru 35 East; Township 24 North, Ranges 31 thru 34 East; in Harding County: Townships 17 thru 21 North, Ranges 29 thru 33 East; and in Quay County: Township 16 North, Ranges 34, 35, and 36 East; and Township 17 North, Ranges 34 thru 37 East.

The lands proposed to be included in said Bravo Dome Carbon Dioxide Gas Unit Area are more specifically described in documents on file with, and available for public inspection in, the offices of the Oil Conservation Division, State Land Office Building, Santa Fe, New Mexico.

Docket No. 23-80

DOCKET: EXAMINER HEARING - WEDNESDAY - JULY 23, 1980

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

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

- CASE 6968: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Bloomfield Oil and Gas Company and all other interested parties to appear and show cause why the Sheetz Well No. 1 located in Unit M of Section 14, Township 29 North, Range 11 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6969: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Associated Oil & Gas Company of New Mexico, Inc., Houston Fire and Casualty Insurance Company, and all other interested parties to appear and show cause why the Vigil Well No. 1 located in Unit J of Section 14, Township 12 North, Range 6 East, Sandoval County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6970: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Union Oil and Mining and all other interested parties to appear and show cause why the Carl Lanier Well No. 1 located in Unit B of Section 6, Township 29 North, Range 9 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6971: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Aztec Development Company and all other interested parties to appear and show cause why the Finch Well No. 1 located in Unit O of Section 15, Township 29 North, Range 11 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6972: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Coal Creek Oil Company and all other interested parties to appear and show cause why the W. E. Duggen Well No. 2 located in Unit H of Section 20, Township 29 North, Range 11 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6973: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit all interested parties to appear and show cause why a well drilled by unknown parties and located in Unit E of Section 16, Township 30 North, Range 11 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6974: Application of C & K Petroleum, Inc. for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the White Draw Unit Area, comprising 13,404 acres, more or less, of State, Federal, and fee lands in Township 3 South, Ranges 27 and 28 East.

- CASE 6975:** Application of Jack Grynberg and Associates for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Rio Felix Unit Area, comprising 7,675 acres, more or less, of Federal, State, and fee lands in Township 14 South, Ranges 24 and 25 East.
- CASE 6976:** Application of R. N. Hillin for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Wolfcamp formation for a well located 800 feet from the South line and 2000 feet from the East line of Section 34, Township 19 South, Range 28 East.
- CASE 6977:** Application of Benson Mineral Group, Inc. for salt water disposal, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Chacra formation in the interval from 1636 feet to 1743 feet in its Navajo Well No. 1 in Unit F of Section 9, Township 22 North, Range 7 West, Rusty-Chacra Pool.
- CASE 6978:** Application of Benson Mineral Group, Inc. for salt water disposal, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Pictured Cliffs formation in the interval from 800 feet to 963 feet in its Federal Well No. 1 in Unit I of Section 4, Township 21 North, Range 7 West.
- CASE 6979:** Application of Wolfson Oil Company for salt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the interval from 4108 feet to 4164 feet in its Mountain-Federal Well No. 1 in Unit G of Section 30, Township 7 South, Range 32 East, Tomahawk-San Andres Pool.
- CASE 6940:** (Continued from June 25, 1980, Examiner Hearing)
- Application of Adobe Oil Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down through the Wolfcamp formation underlying the NW/4 SE/4 for oil and the SE/4 for gas, Section 23, Township 20 South, Range 38 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6961:** (Continued from July 9, 1980, Examiner Hearing)
- Application of Conoco Inc. for a dual completion and unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Meyer A-29 Well No. 11 to be drilled at an unorthodox location 990 feet from the North line and 660 feet from the East line of Section 29, Township 22 South, Range 36 East, to produce gas from the Langley-Devonian and -Ellenburger Pools thru parallel strings of tubing, the E/2 of said Section 29 to be dedicated to the well.
- CASE 6980:** Application of Bass Enterprises Production Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Palmillo State Well No. 1 located in Unit J of Section 1, Township 19 South, Range 28 East, to produce gas from the North Turkey Track-Morrow Pool and oil from an undesignated Wolfcamp pool thru the casing-tubing annulus and tubing, respectively.
- CASE 6960:** (Continued from July 9, 1980, Examiner Hearing)
- Application of Bass Enterprises Production Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down to and including the Strawn formation underlying the S/2 SE/4 of Section 13, Township 16 South, Range 36 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 6950:** (Continued from July 9, 1980, Examiner Hearing)
- Application of Bass Enterprises Production Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow test well to be drilled 660 feet from the North line and 1980 feet from the East line of Section 4, Township 25 South, Range 31 East, the E/2 of said Section 4 to be dedicated to the well.
- CASE 6981:** Application of Bass Enterprises Production Company for a special gas-oil ratio limitation, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a special gas-oil ratio limitation of 8000 to one for the Palmillo-Bone Springs Pool.

CASE 6982: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Aminoil USA to appear and show cause why its 1980 Plan of Operation/Development for its Willow Lake Unit Area, Eddy County, New Mexico, should not be disapproved.

CASE 6901: (Continued from June 25, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp thru Mississippian formations underlying the E/2 of Section 19, Township 14 South, Range 36 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6954: (Continued from July 9, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for amendment of Order No. R-6303, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-6303 which authorized the directional drilling of a well, the surface location of which is 660 feet from the North line and 1980 feet from the West line of Section 32, Township 13 South, Range 36 East. Applicant seeks approval for the bottom hole location of the well at a point 654 feet from the North line and 2158 feet from the West line of said Section 32.

CASE 6921: (Continued from July 9, 1980, Examiner Hearing)

Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Wolfcamp-Mississippian formations underlying the S/2 of Section 33, Township 13 South, Range 36 East, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South line and 990 feet from the East line of Section 33. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 6983: Application of Harvey E. Yates Company for an NCPA determination, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination in the Mississippian formation for its Betenbough Well No. 1 located in Unit C of Section 32, Township 13 South, Range 36 East.

CASE 6984: Application of Harvey E. Yates Company for designation of a tight formation, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the designation of the Mississippian formation underlying Townships 13, 14, and 15 South, Ranges 35 and 36 East, containing 138,240 acres, more or less, as a tight formation pursuant to Section 107 of the Natural Gas Policy Act and 18 CFR Section 271.701-705.

CASE 6929: (Readvertised)

Application of Consolidated Oil & Gas, Inc. for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blanco Mesaverde and Basin-Dakota production in the wellbore of its NCRA Well No. 1-E located in Unit G of Section 22, Township 26 North, Range 7 West, by using the Dakota gas for gas lift of Mesaverde liquids after metering on the surface.

CASE 6985: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order extending certain pools in McKinley, Rio Arriba, San Juan, and Sandoval Counties, New Mexico:

(a) EXTEND the Aztec-Farmington Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 30 NORTH, RANGE 11 WEST, NMPM
Section 18: SE/4

(b) EXTEND the Aztec-Fruitland Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 11 WEST, NMPM
Section 34: W/2

(c) EXTEND the Aztec-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 10 WEST, NMPM
Section 1: SW/4

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM
Section 35: S/2

Docket No. 23-80

(d) EXTEND the Ballard-Pictured Cliffs Pool in San Juan, Rio Arriba, and Sandoval Counties, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 8 WEST, NMPM
Section 8: NE/4
Section 9: NW/4

(e) EXTEND the Barker Creek Paradox Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 32 NORTH, RANGE 14 WEST, NMPM
Section 19: All

(f) EXTEND the Bisti-Lower Gallup Oil Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 10 WEST, NMPM
Section 5: N/2 NW/4

TOWNSHIP 25 NORTH, RANGE 10 WEST, NMPM
Section 31: N/2 SW/4

TOWNSHIP 25 NORTH, RANGE 11 WEST, NMPM
Section 36: N/2 NW/4

(g) EXTEND the Blanco Mesaverde Pool in Rio Arriba and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 2 WEST, NMPM
Section 5: All
Section 6: All (Partial Section)

TOWNSHIP 26 NORTH, RANGE 4 WEST, NMPM
Section 18: All
Section 19: All

TOWNSHIP 26 NORTH, RANGE 5 WEST, NMPM
Section 24: E/2

(h) EXTEND the Blanco-Pictured Cliffs Pool in San Juan and Rio Arriba Counties, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM
Section 4: SW/4

TOWNSHIP 30 NORTH, RANGE 9 WEST, NMPM
Section 4: SW/4

TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM
Section 22: SW/4

TOWNSHIP 32 NORTH, RANGE 12 WEST, NMPM
Section 36: S/2

(i) EXTEND the South Blanco-Pictured Cliffs Pool in Rio Arriba, Sandoval, and San Juan Counties, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM
Section 11: W/2

(j) EXTEND the Chaco Wash-Mesaverde Oil Pool in McKinley County, New Mexico, to include therein:

TOWNSHIP 20 NORTH, RANGE 9 WEST, NMPM
Section 28: N/2 NE/4

(k) EXTEND the Chacon-Dakota Associated Pool in Rio Arriba and Sandoval Counties, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 3 WEST, NMPM
Section 28: W/2

- (l) EXTEND the Fulcher Kutz-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 11 WEST, NMPM
Section 25: SW/4

- (m) EXTEND the South Gallegos-Fruitland Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 12 WEST, NMPM
Section 2: N/2
Section 3: NE/4
Section 11: NE/4

TOWNSHIP 27 NORTH, RANGE 12 WEST, NMPM
Section 35: NE/4

- (n) EXTEND the Gavilan-Pictured Cliffs Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 27 NORTH, RANGE 4 WEST, NMPM
Section 12: SE/4
Section 13: NE/4

- (o) EXTEND the Kutz-Farmington Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 11 WEST, NMPM
Section 26: S/2

- (p) EXTEND the West Kutz-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 28 NORTH, RANGE 12 WEST, NMPM
Section 10: W/2

TOWNSHIP 29 NORTH, RANGE 12 WEST, NMPM
Section 33: NW/4

- (q) EXTEND the West Lindrith Gallup-Dakota Oil Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 3 WEST, NMPM
Section 7: S/2
Section 17: SW/4

TOWNSHIP 24 NORTH, RANGE 4 WEST, NMPM
Section 7: SE/4

TOWNSHIP 25 NORTH, RANGE 4 WEST, NMPM
Section 26: W/2
Section 35: NW/4

- (r) EXTEND the South Los Pinos Fruitland-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 32 NORTH, RANGE 7 WEST, NMPM
Section 34: SW/4
Section 35: E/2

- (s) EXTEND the Lybrook-Gallup Oil Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 23 NORTH, RANGE 7 WEST, NMPM
Section 6: NE/4 NE/4

- (t) EXTEND the Otero-Gallup Oil Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 24 NORTH, RANGE 5 WEST, NMPM
Section 1: W/2 NW/4 and SE/4 NW/4

- (u) EXTEND the Salt Creek-Dakota Oil Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 30 NORTH, RANGE 17 WEST, NMPM
Section 4: SE/4 NW/4 and SW/4 NE/4

(v) EXTEND the Star-Mesaverde Oil Pool in McKinley County, New Mexico, to include therein:

TOWNSHIP 19 NORTH, RANGE 6 WEST, NMPM
Section 9: SE/4 SW/4

CASE 6986: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating and extending vertical and horizontal limits of certain pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico:

(a) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Bone Spring production and designated as the Forty Niner Ridge-Bone Spring Pool. The discovery well is Getty Oil Company Forty Niner Ridge Unit Well No. 2 located in Unit G of Section 21, Township 23 South, Range 30 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 30 EAST, NMPM
Section 21: NE/4

(b) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Mississippian production and designated as the Gladiola-Mississippian Pool. The discovery well is Skelton Oil Company Z. Taylor Well No. 2 located in Unit G of Section 7, Township 12 South, Range 38 East, NMPM. Said pool would comprise:

TOWNSHIP 12 SOUTH, RANGE 38 EAST, NMPM
Section 7: NE/4

(c) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Strawn production and designated as the Pawnee-Strawn Gas Pool. The discovery well is Gifford, Mitchell & Wicenkaker White Eagle Well No. 1 located in Unit F of Section 22, Township 26 South, Range 36 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 36 EAST, NMPM
Section 22: N/2

(d) CREATE a new pool in Chaves County, New Mexico, classified as a gas pool for Abo production and designated as the Penjack-Abo Gas Pool. The discovery well is McClellan Oil Corporation Penjack Well No. 1 located in Unit D of Section 6, Township 10 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 9 SOUTH, RANGE 25 EAST, NMPM
Section 36: SE/4

TOWNSHIP 9 SOUTH, RANGE 26 EAST, NMPM
Section 31: SW/4

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
Section 1: E/2 and NW/4
Section 2: NE/4

TOWNSHIP 10 SOUTH, RANGE 26 EAST, NMPM
Section 6: NW/4

(e) CREATE a new pool in Roosevelt County, New Mexico, classified as an oil pool for Pennsylvanian production and designated as the North Peterson-Pennsylvanian Pool. The discovery well is Enserch Exploration, Inc. Amoco State Well No. 1 located in Unit L of Section 16, Township 4 South, Range 33 East, NMPM. Said pool would comprise:

TOWNSHIP 4 SOUTH, RANGE 33 EAST, NMPM
Section 16: SW/4

(f) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Red Hills-Morrow Gas Pool. The discovery well is Amoco Production Company Andrikopoulos Federal Well No. 1 located in Unit L of Section 24, Township 25 South, Range 33 East, NMPM. Said pool would comprise:

TOWNSHIP 25 SOUTH, RANGE 33 EAST, NMPM
Section 24: W/2

(g) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the Sand Point-Atoka Gas Pool. The discovery well is Perry R. Bass Big Eddy Unit Well No. 72 located in Unit R of Section 3, Township 21 South, Range 28 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 3: S/2

(h) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Young-Morrow Gas Pool. The discovery well is Harvey E. Yates Company Young Deep Unit Well No. 1 located in Unit D of Section 10, Township 18 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM
Section 10: W/2

(i) EXTEND the Airstrip-Wolfcamp Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
Section 26: SE/4

(j) EXTEND the Baldrige Canyon-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 24 EAST, NMPM
Section 11: All
Section 12: W/2
Section 13: W/2

(k) EXTEND the Mid Bell Lake-Devonian Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 18: N/2 and SW/4

(l) EXTEND the North Benson Queen-Grayburg Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 30 EAST, NMPM
Section 33: SW/4

(m) EXTEND the West Bitter Lake-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 25 EAST, NMPM
Section 17: SE/4 NE/4

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

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 35: S/2

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
Section 2: All

(o) EXTEND the Brunson-Fusselman Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 9: NW/4

(p) EXTEND the Buffalo Valley-Pennsylvanian Gas Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 28 EAST, NMPM
Section 31: All

(q) EXTEND the Cato-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 31: SE/4

- (r) EXTEND the Diamond Mound-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM
Section 6: Lots 3, 4, 5, 6, 11, 12,
13, and 14

- (s) EXTEND the Diamond Mound-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 28 EAST, NMPM
Section 5: Lots 1, 2, 7, 8, 9, 10,
15, and 15

- (t) EXTEND the East Eagle Creek Atoka-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
Section 22: All
Section 23: W/2

- (u) EXTEND the Gem-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 33 EAST, NMPM
Section 32: N/2

- (v) EXTEND the East Grama Ridge-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM
Section 36: S/2

- (w) EXTEND the Indian Flats-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 25: N/2
Section 26: E/2

- (x) EXTEND the Indian Flats-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 23: E/2
Section 26: E/2

- (y) EXTEND the Southwest Indian Flats-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 28 EAST, NMPM
Section 9: All
Section 10: W/2

- (z) EXTEND the La Rica-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 34 EAST, NMPM
Section 2: All

- (aa) EXTEND the vertical limits of the Nadine-Drinkard Pool in Lea County, New Mexico, to include the Abo formation and redesignate said pool as the Nadine Drinkard-Abo Pool.

- (bb) EXTEND the Penasco Draw-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 24 EAST, NMPM
Section 1: N/2

- (cc) EXTEND the South Peterson-Pennsylvanian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 5 SOUTH, RANGE 33 EAST, NMPM
Section 30: SW/4
Section 31: NW/4 and N/2 SW/4

(dd) EXTEND the Race Track-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 28 EAST, NMPM
Section 18: S/2 SE/4
Section 20: E/2 NW/4 and SW/4 NW/4

(ee) EXTEND the Railroad Mountain-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM
Section 2: W/2 SW/4
Section 3: E/2 SE/4 and SE/4 NE/4

(ff) EXTEND the Red Lake-Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM
Section 29: S/2

(gg) EXTEND the Richard Knob Atoka-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 24 EAST, NMPM
Section 13: All

(hh) EXTEND the Round Tank-Queen Associated Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM
Section 19: SW/4 SE/4

(ii) EXTEND the Sand Point-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 28 EAST, NMPM
Section 2: Lots 11, 12, 13, 14, and
SW/4

(jj) EXTEND the vertical limits of the Sioux Tansill-Yates Pool in Lea County, New Mexico, to include the Seven Rivers formation and redesignate pool as the Sioux Tansill-Yates-Seven Rivers Pool, and extend the horizontal limits of said pool to include therein:

TOWNSHIP 26 SOUTH, RANGE 36 EAST, NMPM
Section 16: SW/4

(kk) EXTEND the Tomahawk-San Andres Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 32 EAST, NMPM
Section 19: SE/4

(ll) EXTEND the Tom-Tom San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 25: NE/4

(mm) EXTEND the North Turkey Track-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

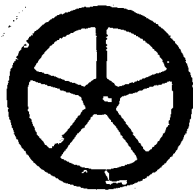
TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM
Section 27: N/2
Section 28: N/2
Section 33: N/2
Section 34: N/2

(nn) EXTEND the Twin Lakes-San Andres Associated Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 28 EAST, NMPM
Section 24: SE/4 SW/4
Section 25: N/2 and N/2 SW/4

TOWNSHIP 8 SOUTH, RANGE 29 EAST, NMPM
Section 18: S/2 SW/4 and SW/4 SE/4
Section 19: NW/4 and N/2 SW/4
Section 31: SW/4

TOWNSHIP 9 SOUTH, RANGE 28 EAST, NMPM
Section 1: SE/4 NE/4, NE/4 SE/4 and
S/2 S/2



Consolidated Oil & Gas, Inc.

LINCOLN TOWER BUILDING
1860 LINCOLN STREET
DENVER, COLORADO 80295
(303) 861-5252



May 27, 1980

Case 6929

New Mexico Oil Conservation
Division
P.O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Enclosed please find an Application in triplicate for the downhole commingling of Consolidated's NCRA Well No. 1-E located in Section 22, T26N, R7W, San Juan County, New Mexico. Please set this case for the examiner hearing scheduled for June 25, 1980.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.


Lynn Teschendorf
Attorney

LT:ccs
Enclosures

RECEIVED
JUN - 21 1960
OIL & GAS DIVISION
BEFORE THE
OIL CONSERVATION DIVISION
STATE OF NEW MEXICO
SANTA FE

IN THE MATTER OF THE APPLICATION
OF CONSOLIDATED OIL & GAS, INC.
FOR DOWNHOLE COMMINGLING,
SAN JUAN COUNTY, NEW MEXICO

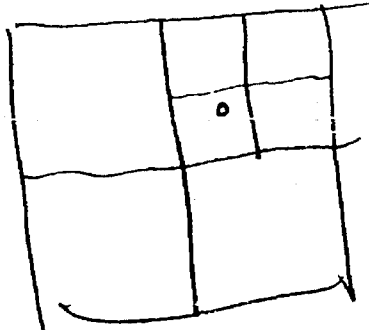
Case No. 6929

APPLICATION

Comes now Consolidated Oil & Gas, Inc. by its undersigned attorney and makes application for an order approving the downhole commingling of Mesaverde and Dakota production in the wellbore of its NCRA Well No. 1-E located in Unit G of Section 22, T26N, R7W, San Juan County, New Mexico, and in support thereof would show the Division:

1. Applicant is the operator and an owner of interest in and under the N/2 of said Section 22.
2. Applicant has dedicated the above-referenced unit to its NCRA Well No. 1-E located 1550 feet from the north line and 1850 feet from the east line of said Section 22.
3. The well has been dually completed in the Blanco Mesaverde and Basin-Dakota Pools, with production separated by a packer.
4. The well produces the Dakota gas through 1½ inch tubing, but is unable to produce the Mesaverde gas because the gas rate is insufficient to lift the liquids present.
5. Applicant therefore proposes to commingle production for the purpose of providing sufficient gas lift in the Mesaverde formation as follows:

The Dakota gas will be produced through 1½ inch tubing, and will be run through a separator and a meter prior to injection into the casing/tubing annulus. There, it will be commingled with Mesaverde production and produced through 1½ inch tubing. It will also be run through a separator and meter prior to sales.



6. The amount of Mesaverde gas production will be determined by subtracting the Dakota meter reading from the commingled stream meter reading.

7. The ownership of the two zones to be commingled is common.

8. All offset operators and the USGS have been notified in writing of the proposed commingling.

9. The granting of this application will be in the interests of conservation, the prevention of waste and the protection of correlative rights.

WHEREFORE, applicant requests that this matter be set for hearing before the Division or its duly appointed examiner, and that the Division enter its order approving the downhole commingling of said well.

Respectfully submitted,

CONSOLIDATED OIL & GAS, INC.

By


Lynn Teschendorf

1860 Lincoln Street, Suite 1300
Denver, Colorado 80295

RECEIVED
JUN - 2 1980
BEFORE THE OIL CONSERVATION DIVISION
OIL CONSERVATION DIVISION
STATE OF NEW MEXICO SANTA FE

IN THE MATTER OF THE APPLICATION
OF CONSOLIDATED OIL & GAS, INC.
FOR DOWNHOLE COMMINGLING,
SAN JUAN COUNTY, NEW MEXICO

Case No. 6929

APPLICATION

Comes now Consolidated Oil & Gas, Inc. by its undersigned attorney and makes application for an order approving the downhole commingling of Mesaverde and Dakota production in the wellbore of its NCRA Well No. 1-E located in Unit G of Section 22, T26N, R7W, San Juan County, New Mexico, and in support thereof would show the Division:

1. Applicant is the operator and an owner of interest in and under the N/2 of said Section 22.
2. Applicant has dedicated the above-referenced unit to its NCRA Well No. 1-E located 1550 feet from the north line and 1850 feet from the east line of said Section 22.
3. The well has been dually completed in the Blanco Mesaverde and Basin-Dakota Pools, with production separated by a packer.
4. The well produces the Dakota gas through 1½ inch tubing, but is unable to produce the Mesaverde gas because the gas rate is insufficient to lift the liquids present.
5. Applicant therefore proposes to commingle production for the purpose of providing sufficient gas lift in the Mesaverde formation as follows:

The Dakota gas will be produced through 1½ inch tubing, and will be run through a separator and a meter prior to injection into the casing/tubing annulus. There, it will be commingled with Mesaverde production and produced through 1½ inch tubing. It will also be run through a separator and meter prior to sales.

6. The amount of Mesaverde gas production will be determined by subtracting the Dakota meter reading from the commingled stream meter reading.

7. The ownership of the two zones to be commingled is common.

8. All offset operators and the USGS have been notified in writing of the proposed commingling.

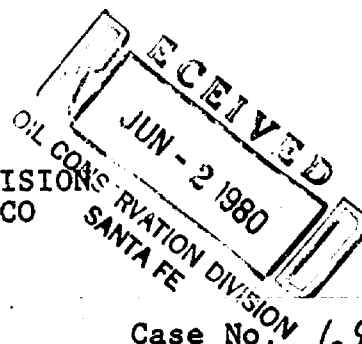
9. The granting of this application will be in the interests of conservation, the prevention of waste and the protection of correlative rights.

WHEREFORE, applicant requests that this matter be set for hearing before the Division or its duly appointed examiner, and that the Division enter its order approving the downhole commingling of said well.

Respectfully submitted,
CONSOLIDATED OIL & GAS, INC.

By Lynn Teschendorf
Lynn Teschendorf
1860 Lincoln Street, Suite 1300
Denver, Colorado 80295

BEFORE THE
OIL CONSERVATION DIVISION
STATE OF NEW MEXICO



Case No. 6929

IN THE MATTER OF THE APPLICATION
OF CONSOLIDATED OIL & GAS, INC.
FOR DOWNHOLE COMMINGLING,
SAN JUAN COUNTY, NEW MEXICO

APPLICATION

Comes now Consolidated Oil & Gas, Inc. by its undersigned attorney and makes application for an order approving the downhole commingling of Mesaverde and Dakota production in the wellbore of its NCRA Well No. 1-E located in Unit G of Section 22, T26N, R7W, San Juan County, New Mexico, and in support thereof would show the Division:

1. Applicant is the operator and an owner of interest in and under the N/2 of said Section 22.
2. Applicant has dedicated the above-referenced unit to its NCRA Well No. 1-E located 1550 feet from the north line and 1850 feet from the east line of said Section 22.
3. The well has been dually completed in the Blanco Mesaverde and Basin-Dakota Pools, with production separated by a packer.
4. The well produces the Dakota gas through 1½ inch tubing, but is unable to produce the Mesaverde gas because the gas rate is insufficient to lift the liquids present.
5. Applicant therefore proposes to commingle production for the purpose of providing sufficient gas lift in the Mesaverde formation as follows:

The Dakota gas will be produced through 1½ inch tubing, and will be run through a separator and a meter prior to injection into the casing/tubing annulus. There, it will be commingled with Mesaverde production and produced through 1½ inch tubing. It will also be run through a separator and meter prior to sales.

6. The amount of Mesaverde gas production will be determined by subtracting the Dakota meter reading from the commingled stream meter reading.

7. The ownership of the two zones to be commingled is common.

8. All offset operators and the USGS have been notified in writing of the proposed commingling.

9. The granting of this application will be in the interests of conservation, the prevention of waste and the protection of correlative rights.

WHEREFORE, applicant requests that this matter be set for hearing before the Division or its duly appointed examiner, and that the Division enter its order approving the downhole commingling of said well.

Respectfully submitted,

CONSOLIDATED OIL & GAS, INC.

By Lynn Teschendorf
Lynn Teschendorf
1860 Lincoln Street, Suite 1300
Denver, Colorado 80295

dr/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6929

Order No. R-6426

28
APPLICATION OF CONSOLIDATED OIL & GAS, INC.
FOR DOWNHOLE COMMINGLING, Pi Arriba
SAN JUAN COUNTY
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

S
This cause came on for hearing at 9 a.m. on July 23
June 25, 19 80, at Santa Fe, New Mexico, before Examiner Richard L.
Stamets.

NOW, on this _____ day of June, 19 80, the
Division Director, 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 Division has jurisdiction of this cause and the
subject matter thereof.

(2) That the applicant, Consolidated Oil & Gas, Inc., is
the owner and operator of the NCRA Well No. 1-E,
located in Unit G of Section 22, Township 26 North,
Range 7 West, NMPM, Pi Arriba San Juan County, New Mexico.

(3) That the applicant seeks authority to commingle
Blanco Mesaverde and Basin-Dakota production
within the wellbore of the above-described well by using the
Dakota gas for gas lift of Mesaverde liquids after metering on the
surface.

(4) That from the Blanco Mesaverde zone, the subject well is capable of low marginal production only.

(5) That from the Basin-Dakota zone, the subject well is capable of low marginal production only.

(6) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(7) That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.

(8) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time the subject well is shut-in for 7 consecutive days.

(9) That in order to allocate the commingled production to each of the commingled zones in the subject well, percent of the commingled production should be allocated to the Blanco Mesaverde zone, and percent of the commingled production to the Basin-Dakota zone.

(ALTERNATE)

(9) That in order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones.

(9) That the production from the Basin Dakota zone is to be measured at the surface prior to commingling and that the production from the Blanco-Mesaverde Gas Pool should be determined by the subtraction method.

IT IS THEREFORE ORDERED:

(1) That the applicant, Consolidated Oil & Gas, Inc., is hereby authorized to commingle Blanco-Mesaverde and Basin-Dakota production within the wellbore of the NCRA Well No. 1-E, located in Unit G of Section 22, Township 26 North, Range 7 West,

To NMPM, ~~San Juan~~ ^{Alamogordo} County, New Mexico by using ~~the~~ ^{gas} Dakota products gas lift ~~of~~ ^{from} Mesaverde liquids, ~~and for metering on the surface~~ ^{of the surface}.

(2) That the applicant shall consult with the Supervisor of the Aztec district office of the Division and determine an allocation formula for the allocation of production to each zone in each of the subject wells.

(ALTERNATE)

(2) That _____ percent of the commingled _____ production shall be allocated to the Blanco-Mesaverde zone and _____ percent of the commingled _____ production shall be allocated to the Basin-Dakota zone.

(4) (3) That the operator of the subject well shall immediately notify the Division's Aztec district office any time the well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

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

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

(2) That production from the Basin-Dakota Gas Pool shall be measured at the surface prior to ~~the commingling~~ its use for gas lift purposes.

(3) That production from the Blanco-Mesaverde Gas Pool shall be determined by subtracting the measured gas lift volume from the total measured volume of production.