

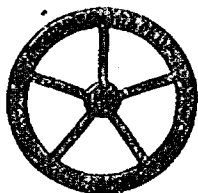
CASE 6278: CONSOLIDATED OIL & GAS, INC.
FOR A DUAL COMPLETION AND DOWNHOLE COM-
MINGLING, RIO ARriba COUNTY, NEW MEXICO

CASE NO.

6278

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,

ETC.



LINCOLN TOWER BUILDING
1880 LINCOLN STREET
DENVER, COLORADO 80285
(303) 861-5252

Consolidated Oil & Gas, Inc.



June 6, 1978

Case 6278

Mr. J. D. Ramey,
Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Application to Dually
Complete Jenney No. 1-A
and to Downhole Commingle
the Basin-Dakota and Greenhorn
Formations' Production in the
Lower Completion
SE SE Section 13, T26N, R4W
Rio Arriba County, New Mexico

Dear Mr. Ramey:

Consolidated Oil & Gas, Inc., hereby makes application for a hearing to consider the following in the completion of the above referenced well:

1. To dually complete the well with the Blanco-Mesaverde formation in the upper completion and the Basin-Dakota in the lower completion;
2. To downhole commingle the Basin-Dakota and Greenhorn formations in the lower completion.

In reference to the request for multiple completion, we have enclosed a completed Form C-107, an acreage dedication plat and a plat showing offset operators to this half section. In addition, a copy of the Compensated Formation Density Log and a diagrammatic sketch of the proposed multiple completion are attached.

In support of the second request, to downhole commingle the Greenhorn and Basin-Dakota, we list the following factors for the Commission to consider:

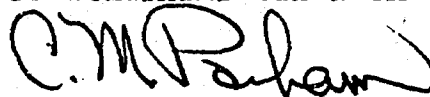
J. D. Ramey
June 6, 1978
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1. There is no known production from the Greenhorn formation in the offsetting sections.
2. Net pay in the Greenhorn is approximately five feet in a highly laminated sand-shale sequence. Therefore, it is deemed economically unfeasible to complete this sequence separately.
3. The pay section in either the Basin-Dakota or Greenhorn would not economically justify drilling a second well to recover reserves in either formation.
4. Downhole commingling and dual completion of this well as requested will serve the interest of conservation, prevent waste, protect correlative rights and result in the ultimate recovery of gas and liquid hydrocarbons that would not otherwise be recovered.

Your prompt attention to this matter will be greatly appreciated. Should there be any questions regarding this matter, please contact me at the above address or phone (303) 861-5252.

Very truly yours,

CONSOLIDATED OIL & GAS, INC.



C. M. Parham
Senior Production Engineer

CMP:sm
Enclosures

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

| | | | |
|---|----------------------|-----------------------------|-----------------------------|
| Operator Consolidated Oil & Gas, Inc. | | County Rio Arriba | Date June 6, 1978 |
| Address 1860 Lincoln Street, Denver, CO 80295 | | Lease Jenney | Well No. 1-A |
| Location of Well "P" | Section 13 | Township 26N | Range 4W |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. MC-1671; Operator Lease, and Well No. COG-Jenney #1

| 3. The following facts are submitted: | Upper Zone | Intermediate Zone | Lower Zone |
|--|---|--------------------------------------|--|
| a. Name of Pool and Formation | Blanco-Mesaverde | ----- | Basin-Dakota/Greenhorn |
| b. Top and Bottom of Pay Section (Perforations) | Top: 5423' Btm: 6073' Perfs: 5426'-5526', 5926'-6054' / Perfs: 30 - 3/8" jet shots | 8080'-96' 23 - 3/8" jet shots | Top: 7939' Btm: 8100' Perfs: 7891'-7907', 7944'-8000' 23 - 3/8" jet shots |
| c. Type of production (Oil or Gas) | Gas | | Gas |
| d. Method of Production (Flowing or Artificial Lift) | Flowing | | Flowing |

4. The following are attached. (Please check YES or NO)

- | | | |
|-------------------------------------|--------------------------|---|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Mobil Oil Corp., Box 5444, Denver, CO 80217

Supron Energy Corporation, Suite 1700, 8350 N. Central Expwy, Dallas, TX 75206

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Sr. Production Engr. of the Consolidated Oil & Gas, Inc.

(company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

C. M. Rahman

Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

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

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

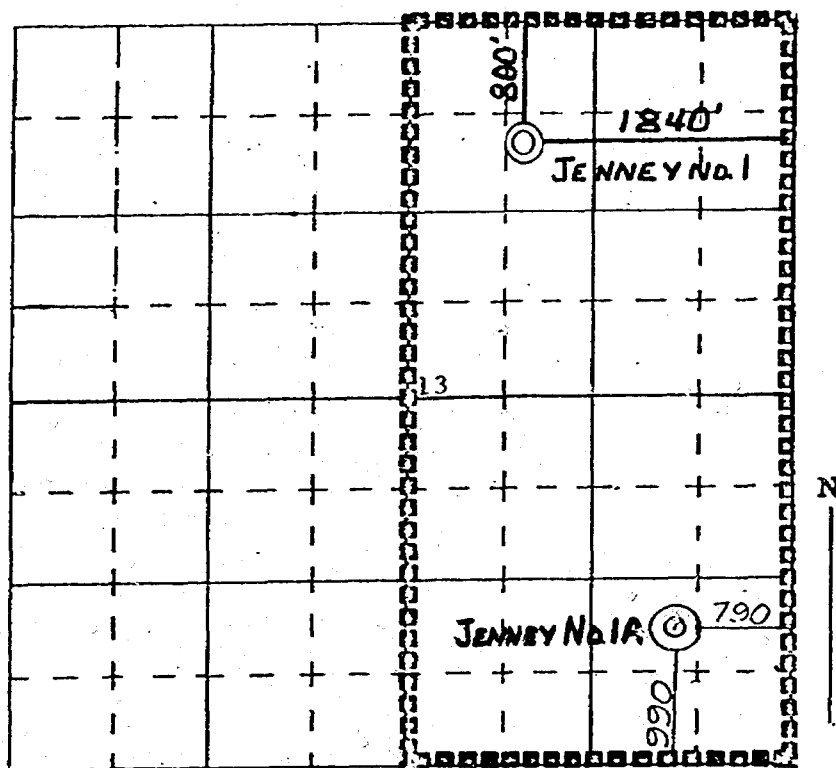
| | | | | |
|---|--|--|----------------------------------|-----------------------------|
| Operator CONSOLIDATED OIL AND GAS, INC. | | Lease JENNY | | Well No. 1 - A |
| Unit Letter: P | Section 13 | Township 26 NORTH | Range 4 WEST | County RIO ARriba |
| Actual Footage Location of Well: | | | | |
| 990 feet from the SOUTH line and | | 790 feet from the EAST line | | |
| Ground Level Elev. 7085 | Producing Formation Mesaverde-Gallup | Pool Blanco Mesaverde - Gallup | Dedicated Acreage: 320 | Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

Note: Basin-Dakota acreage (E/2 of Section 13) to be jointly dedicated to Jenney No. 1 and Jenney No. 1-A.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

CERTIFICATION

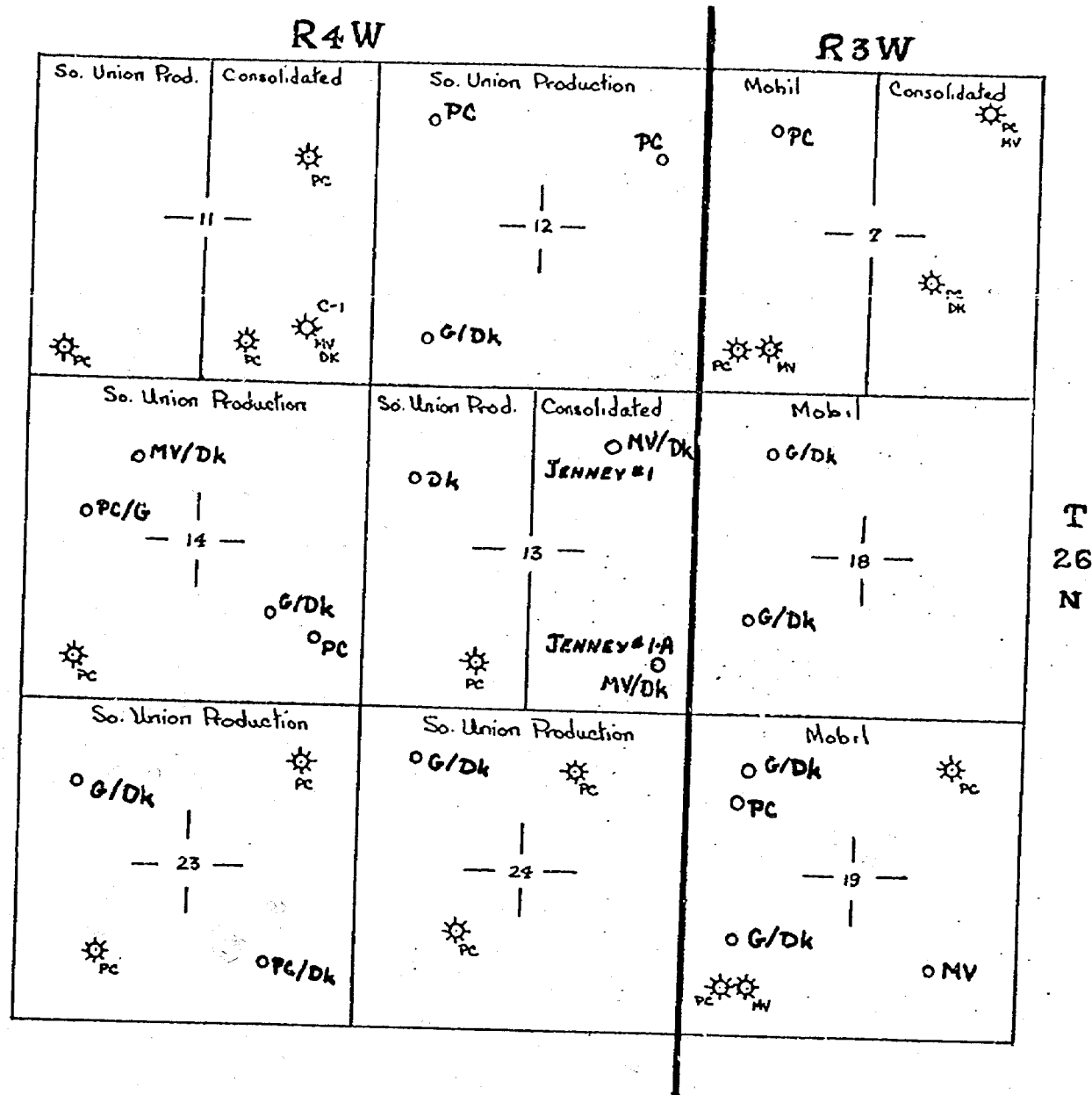
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

O.B. Whitenburg
 Name
O.B. Whitenburg
 Position
Sr. Drilling Engineer
 Company
Consolidated Oil & Gas
 Date
10/6/77

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

14 September 1977
 Date Surveyed
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor **James P. Leese**

Certificate No. **1463**

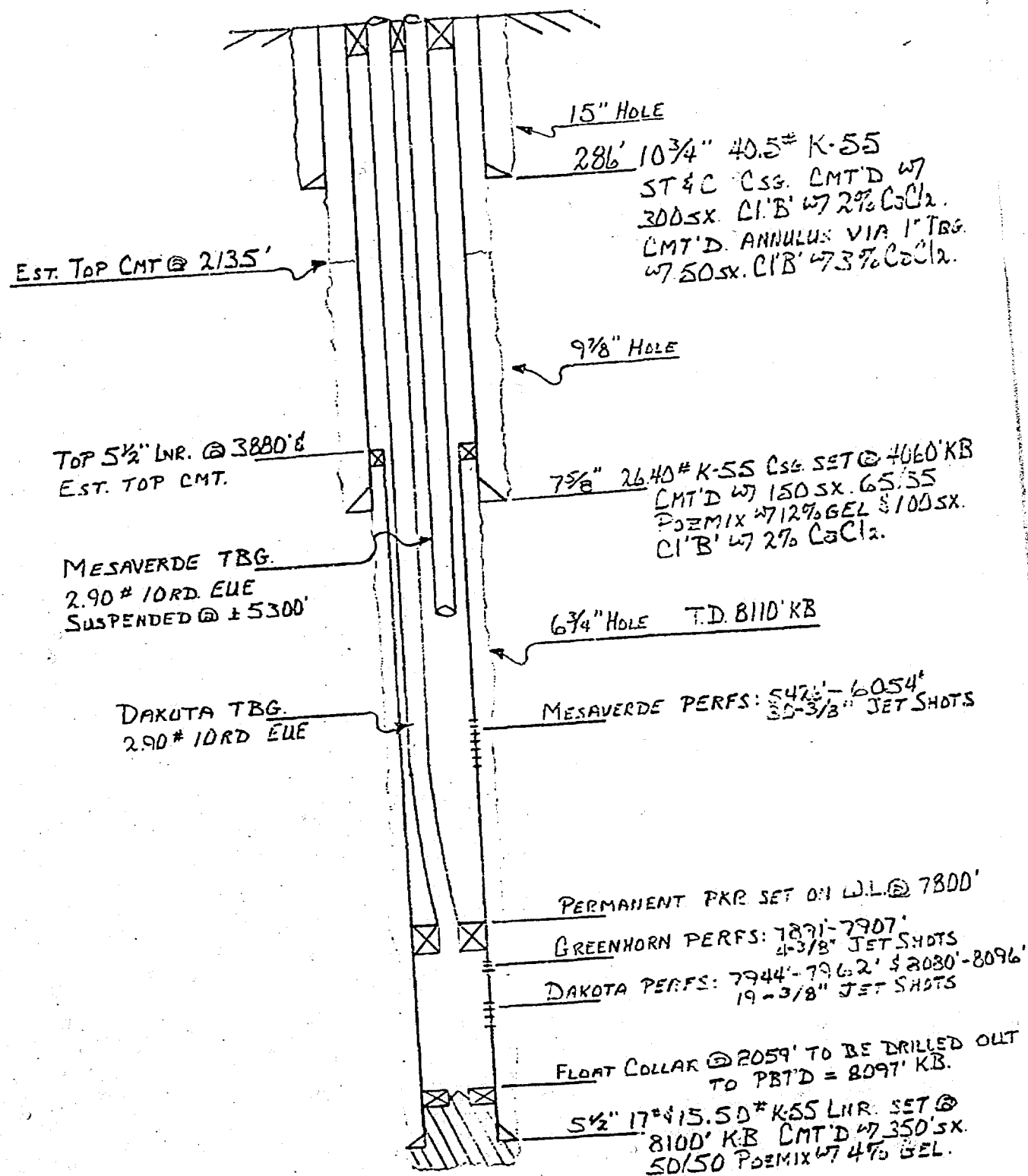


CONSOLIDATED OIL & GAS, INC.
 APPLICATION FOR MULTIPLE COMPLETION
 Blanco Mesaverde & Basin-Dakota/Greenhorn Zones
 Jenney No. 1-A
 Section 13, T26N, R4W
 Rio Arriba County, New Mexico

Note: Basin-Dakota acreage (E/2 of Section 13) to be
 jointly dedicated to Jenney No. 1 and Jenney
 No. 1-A.

MV-Blanco Mesaverde; DK-Basin Dakota; PC-Pictured Cliffs;
 G-Wildhorse-Gallup

CONSOLIDATED OIL & GAS, INC.
 APPLICATION FOR MULTIPLE COMPLETION
 Blanco Mesaverde & Basin-Dakota/Greenhorn Zones
 Jenney No. 1-A
 Section 13, T26N, R4W
 Rio Arriba County, New Mexico



NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date JULY 19, 1978 TIME: 9:00 A.M.

| NAME | REPRESENTING | LOCATION |
|-------------------------------------|---|----------------------|
| AR Kendrick | OCD | Agree |
| Paul W. Burchell | El Paso Natural Gas Co. | El Paso |
| Carroll Quinn | Humble Iron Pipe for Delta Drilling | Midland |
| Paul G. Haskett | Delta Drilling Co. | Taylor, TX |
| Ed Hoagren | " " " | Midland, TX |
| Joe T. Hood | Kleiner and Bond, Attorneys (Dena) | Dallas, Texas |
| R L Bayless | Merrion + Bayless | Farmington |
| Tommy Roberts | Southern Union Exploration Thasey, Roschamps, Roberts Gardner, P.C. | Dallas Farmington |
| D. T. STOGNER, JR. | Consolidated O&G | DENVER |
| Joan Kellahin | Kellahin & Fox | Santa Fe |
| C.M. Porham | Consolidate O&G | Denver |

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
State Land Office Building
Santa Fe, New Mexico
19 July 1978

EXAMINER HEARING

IN THE MATTER OF:

Application of Consolidated Oil & Gas, Inc., for a dual completion and downhole commingling, Rio Arriba County, New Mexico. CASE 6278

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Lynn Teschendorf, Esq.
Legal Counsel for the Division
State Land Office Building
Santa Fe, New Mexico 87501

For the Applicant:

Jason Kellahin, Esq.
KELLAHIN & FOX
500 Don Gaspar
Santa Fe, New Mexico 87501

SALLY WALTON BOYD

CERTIFIED SHORTHAND REPORTER

730 Bishop's Lodge Road • Phone (505) 988-3404
Santa Fe, New Mexico 87501

I N D E X

D. T. STOGNER

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|------------------------------------|----|
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| Cross Examination by Mr. Kendrick | 13 |
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| Applicant Exhibit Seven, Log | 13 |

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MR. STAMETS: We call next Case 6278.

MS. TESCHENDORF: Case 6278. Application of Consolidated Oil and Gas, Inc., for a dual completion and downhole commingling, Rio Arriba County, New Mexico.

MR. KELLAHIN: If the Examiner please, Jason Kellahin, Kellahin and Fox, Santa Fe, appearing for the applicant and we have one witness to be sworn.

(Witness sworn.)

D. T. STOGNER

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q. Would you state your name, please?

A. My name is Tracy Stogner, initials D. T., reside in Denver, Colorado.

Q. Would you spell your last name, please?

A. S-T-O-G-N-E-R.

Q. By whom are you employed and in what position, Mr. Stogner?

A. I'm employed by Consolidated Oil and Gas, Incorporated. My present title is Vice President of Operations.

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1 Q. And where are you located?

2 A. Denver, Colorado.

3 Q. In connection with your work as Vice President
4 of Operations, does the area involved in this application
5 come under your supervision?

6 A. That's correct.

7 Q. Have you ever testified before the Oil Con-
8 servation Division or one of its examiners?

9 A. Yes.

10 Q. And your qualifications have been made a
11 matter of record?

12 A. Yes.

13 MR. KELLAHIN: Are the witness' qualifications
14 acceptable?

15 MR. STAMETS: For the purposes of this Examiner,
16 did you qualify as engineer, geologist?

17 A. As an engineer.

18 MR. STAMETS: Okay. Yes, the witness is
19 considered qualified.

20 Q. (Mr. Kellahin continuing.) Mr. Stogner, what
21 is proposed by the applicant in Case 6278?

22 A. Well, Consolidated has asked the Commission
23 to hear this case, first of all and primarily, for the
24 dual completion of the Mesaverde and Dakota.
25 Our second request is that we be allowed to

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1 downhole commingle the Greenhorn and Dakota formations.

2 Q Now, turning to what has been marked as the
3 Applicant's Exhibit Number One, would you identify that
4 exhibit, please?

5 A That is a standard Oil Conservation Commission
6 C-107, Application for Multiple Completion. It shows our
7 location, the proposed perforations, in the Mesaverde --
8 it would be the Blanco-Mesaverde Field, and the Basin-
9 Dakota Zones.

10 Q Now, actually this application would have
11 been eligible for administrative approval were it not for
12 the commingling, is that correct?

13 A That is correct.

14 Q You have another dual completion identical
15 to this in the vicinity?

16 A Yes, the Jenny No. 1 is a Mesaverde-Dakota
17 completion.

18 Q Now, that is shown on Exhibit Number Two, is
19 it not?

20 A That's correct.

21 Q And what other information is shown on Exhibit
22 Number Two?

23 A Again, just the proration unit dedicated to
24 the Jenny 1 and Jenny 1-A, which would be the east half
25 of Section 13, 26 North, 4 West.

1 Q And is the location of your Jenny 1-A an ortho-
2 dox location?

3 A It is.

4 Q Now, turning to Exhibit Number Three, would
5 you identify that exhibit?

6 A Exhibit Number Three is the offset operators
7 plat showing our proposed Jenny 1-A completion and the
8 offset operators and the completed intervals, for those
9 operators.

10 Q And does the exhibit also show the formations
11 in which those wells are producing?

12 A Yes, it shows the completed intervals and the
13 operators.

14 Q Do you have the -- MVDK, that would be --

15 A That's Mesaverde-Dakota; PC is Pictured Cliffs;
16 G is Gallup.

17 Q And there are no Greenhorn in the area?

18 A There is no Greenhorn shown on this map.

19 Q Now, turning to Exhibit Number Four, would
20 you identify that Exhibit, please?

21 A Exhibit Number Four is a schematic of a pro-
22 posed downhole completion showing the surface pipe, cement,
23 the hole size for the intermediate and the production liner.
24 It shows our proposed packer, setting depth, the proposed
25 tubing size and setting depths, and the proposed perforations

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1 in the Mesaverde and the Greenhorn-Dakota.

2 Q Now, is this completion identical to the com-
3 pletion that was approved for the Jenny No. 1?

4 A That's correct.

5 Q And it's a conventional type dual completion?

6 A It's a conventional dual completion with one
7 string suspended, which will be the Mesaverde. The perma-
8 nent packer, the lower zone producing from underneath the
9 permanent packer.

10 Q And will that prevent the communication be-
11 tween the two zones?

12 A This completion will prevent migration or
13 communication as long as we don't have a hole in the tubing.

14 Q And will the dual completion of this well
15 enable you to recover gas that would not otherwise be
16 recovered?

17 A That's correct.

18 Q Now, turning to what has been marked as Ex-
19 hibit Number Five, would you identify that exhibit, please?

20 A Exhibit Number Five is an area map showing
21 our proposed location and the -- on the righthand margin
22 of the exhibit, and the two known Greenhorn wells within
23 about a 24-mile area; the nearest being 18 miles to the
24 west, which is the Caulkins Company Breech No. PMD-224.

25 The BCO, Incorporated, Dunn No. 2 is located

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Page 8

1 southwest, oh, 18 or 20 miles distance.

2 Q Now, did you check the records to determine
3 if there were any other Greenhorn completions in the area?

4 A We have researched the statistical -- New
5 Mexico statistical books and these were the only two that
6 we can find in Rio Arriba County, or in the San Juan Basin.

7 I guess there are some other Greenhorn com-
8 pletions but within a 25-mile radius of our proposed com-
9 pletion.

10 Q These are the only two you found?

11 A These are the only two.

12 Q Now, turning to Exhibit Number Six, would you
13 discuss the information shown there, please?

14 A Well, Exhibit Number Six is a Form C-122,
15 Multi-point Back Pressure Test for Gas Wells for the Green-
16 horn formation that was filed by Caulkins Oil in 1959.
17 This is for their Greenhorn completion. This shows the
18 potential 1.136 MMcf and the shut-in tubing pressure says
19 7-day, of 1216.

20 Q Now, have you been able to learn anything
21 further about that well?

22 A We have the age, or the time it was completed,
23 and the logging, but we have no logs; we have no other
24 information concerning this well.

25 Q Now, that would seem to indicate that some

1 40 feet of pay were open.

2 A Yes, that's what the form would indicate. I
3 question that.

4 Q Now, why do you question that?

5 A Well, we have an estimated 4-1/2 feet in our
6 completion, the proposed completion over about an 18-foot
7 interval, so if the Greenhorn formation were productive
8 over this general area, I would suspect that -- and it
9 were 40-foot thick -- I would suspect more people would be
10 completing in it..

11 Q Now what's the present status of the Caulkins
12 Well?

13 A I can't answer that.

14 The Caulkins Well has been P&A'd, according
15 to our information.

16 Q Do you know about when? The Commission records
17 would show when it was --

18 A Yes.

19 Q -- plugged and abandoned? Now, do you know
20 the status of the BCO Well Dunn No. 2?

21 A The '76 statistical report shows production
22 that year from the BCO Well. I believe it's one month.
23 Five months in '76. I mean. One month in '77.

24 Q And you don't know the present status of that
25 well?

1 A. To our knowledge it is producing or is in
2 producible status.

3 Q. Now, what -- what do you know about the
4 Greenhorn formation at your location of your Jenny 1-A?

5 A. The only reason we have considered the Green-
6 horn as a potential producing interval was a reported show
7 by the rig personnel when we drilled the Greenhorn formation,
8 oil and gas show. The subsequent log analysis shows about
9 four feet of net pay and water saturations that would lead
10 us to believe that this zone would produce some hydrocar-
11 bons, and that is the only basis for our suspicions or our
12 even wanting to test the Greenhorn, or produce the Green-
13 horn in this well. It is not a widely distributed zone.
14 It is not producing in the area but we do have a show and
15 we propose to test it or to complete it with the Dakota
16 and take what gas it will give up.

17 Q. Now, how was your No. 1 well drilled? Was it
18 air drilled?

19 A. It was gas drilled. These wells were drilled
20 when gas was cheap and we were able to utilize gas to
21 drill those wells. Those wells were drilled in the '60s.

22 Q. You don't have any pressure information on
23 the Greenhorn, do you?

24 A. The only pressure information we have is from
25 the Caulkins C-122.

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1 Q Now is your ownership common throughout the
2 Dakota and the Greenhorn?

3 A The answer to that question is negative.
4 Consolidated owns 100 percent of the Greenhorn formation.
5 We have two other partners in the Dakota.

6 Q Now how would you propose to allocate the
7 production between the Dakota and the Greenhorn?

8 A The -- our proposal to the Commission is we
9 allocate 10 percent of the daily production to the Green-
10 horn formation for accounting purposes, reporting pur-
11 poses, until such time as we recover 250,000 cubic feet,
12 which is the ultimate recovery for the Caulkins well, or
13 the cumulative recovery for the Caulkins well.

14 Q Now is that the basis of your 250,000?

15 A That's the basis of our 250,000.

16 Q And then after you have recovered the 250,000
17 would the entire production be allocated to the Dakota?

18 A The entire production from the lower zone
19 would be allocated to the Dakota zone.

20 Q Now will you seek the approval of your part-
21 ners in the Dakota formation to this type of allocation?

22 A Yes. We were unaware that your partners were
23 left out of the zone between the base of the Mesaverde
24 and the top of the Dakota until just shortly before this
25 hearing, or after we received notice, and we will attempt

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1 to work out an equitable settlement with our partners.

2 Q. Now at the time you filed the application you
3 were of the opinion ownership was common?

4 A. That is correct.

5 Q. And now you find it was not.

6 A. Well, yes.

7 Q. Now, in your opinion, will the approval of
8 this commingling portion of the application result in the
9 recovery of gas and oil that would not otherwise be re-
10 covered?

11 A. We feel that this is the only way that we
12 would ever produce the hydrocarbons that we know are pre-
13 sent in the Greenhorn in the Jenny 1-A.

14 Q. Would you drill a well to produce from the
15 Greenhorn?

16 A. Negative.

17 Q. In your opinion, would the production from
18 the Greenhorn justify dual completion?

19 A. A dual completion?

20 Q. In this well you'd have to make a triple.

21 A. That's correct. We do not have the mechanical
22 facilities to work with a triple completion nor do we have
23 any desire to get into a mechanical situation that you
24 have with a triple.

25 Q. So there would be no other way this gas would

1 be recovered?

2 A. We feel that there is no other way.

3 Q. Were Exhibits One through --- oh, Exhibit
4 Number Seven. Would you identify that exhibit, please?

5 A. Okay. The Exhibit Number Seven -- we only
6 have one copy of it -- is the density log, the open hole
7 log run before we ran casing on the well. That log con-
8 tains the proposed perforations, shows the proposed packer
9 setting depth, and the tops of the producing intervals.

10 Q. Were Exhibits One through Seven prepared by
11 you or under your supervision?

12 A. That's correct.

13 MR. KELLAHIN: At this time I'll offer in
14 evidence Exhibits One through Seven, inclusive.

15 MR. STAMETS: These exhibits will be admitted.

16 MR. KELLAHIN: I have nothing further for
17 this witness.

18 MR. STAMETS: Mr. Kendrick, do you have some
19 questions?

20 MR. KENDRICK: Yes, sir.

21

22 CROSS EXAMINATION

23 BY MR. KENDRICK:

24 Q. Mr. Stogner, how much or what percentage of
25 the oil production from the lower interval would you assign

1 to the Greenhorn formation?

2 A. I had a note with the cumulative oil production
3 from the Caulkins Dakota well and the GOR, or the liquids
4 ratio, appears to be about the same for the Greenhorn that
5 Caulkins produced and our Dakota in the Jenny No. 1, so --
6 okay, the Caulkins well, the oil production, 2,496 barrels
7 with the 255,652 Mcf, so for allocating oil we would allo-
8 cate it again 10 percent of the oil production to the Green-
9 horn, 90 percent to the Dakota.

10 Q Would there also be a termination when you
11 reached the equal volume of the Caulkins well?

12 A. That is our proposal, that we will distribute
13 10 percent until such time as the Greenhorn zone has been
14 allocated 250,000.

15 Q Okay. I believe that's all the questions I
16 have.

17

18 CROSS EXAMINATION

19 BY MR. STAMETS:

20 Q I presume that the Greenhorn spacing in there
21 would be 160 acres rather than 320 under statewide rules.

22 A. Under statewide rules.

23 Q And the Jenny No. 1 was not completed in the
24 Greenhorn?

25 A. That's correct.

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1 Q. Do you have a log of the well?

2 A. The -- I do not have a log with me. The logs
3 on the Jenny No. 1, because they were run in the 1960's,
4 they're a simple gamma ray neutron log only.

5 Q. So you don't know if the Greenhorn might be
6 producible in that zone?

7 A. That's correct. We cannot determine that
8 from the logs of the Jenny No. 1.

9 Q. Have you examined any other wells in the area
10 to see if you feel that the Greenhorn might be producible?

11 A. The limited number of wells that we have
12 drilled to the Dakota recently with the modern logs do
13 not indicate Greenhorn pay present.

14 Q. Now you indicated that there was a difference
15 in the ownership between the Greenhorn and the Dakota.
16 Is this difference only as to working interest or also as
17 to royalty interest?

18 A. Only as to working interest.

19 Q. Now you indicated that your formula would be
20 based on 10 percent of the gas production to the Greenhorn
21 until 250,000 cubic feet or Mcf?

22 A. 250,000 Mcf.

23 Q. Was recovered.

24 A. Quarter of a million.

25 Q. And then 100 percent to the Dakota?

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
730 Bishop's Lodge Road • Phone (505) 988-3404
Santa Fe, New Mexico 87501

1 A. That's correct, thereafter.

2 Q. Have you talked to Mr. Kendrick about the
3 possibility of extending the vertical limits of the Dakota
4 to include the Greenhorn under this tract?

5 A. I have not consulted Mr. Kendrick on that
6 matter due to the apparent limited areal extent of the
7 Greenhorn with the production of hydrocarbons or porosity
8 or permeability to produce. I feel that it would be un-
9 necessary to go to that extent that we extend for the whole
10 field the limits of the base of the Dakota.

11 Q. I'm only speaking of the 320 acre tract --

12 A. Oh, the 320.

13 Q. -- on which this well is located.

14 A. I have not spoken to Mr. Kendrick about that.

15 MR. STAMETS: Let's go off the record a
16 second.

17 (There followed discussion off
18 the record.)

19 Q. (Mr. Stamets continuing.) Now, Mr. Stogner,
20 is there any economical way for you to get in and perforate
21 the Greenhorn zone and test it for oil before you perforate
22 the Dakota?

23 A. We have had some very poor experiences with
24 bridge plugs recently that make us very reluctant to
25 separately test the Greenhorn and the Dakota. We would

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
730 Bishop's Lodge Road • Phone (505) 988-3404
Santa Fe, New Mexico 87501

1 have to perforate the Dakota first and treat it and with
2 a bridge plug test the Greenhorn and we have, with our
3 poor, our very bad experiences, just makes us gunshy of
4 this -- this operation.

5 Q You indicated that you simply had a show of
6 gas in the Greenhorn during drilling.

7 A We were drilling with air, that's correct.

8 Q So you had no real measure of the volume?

9 A Too small to measure any gas.

10 Q And then your 10 percent to the Greenhorn till
11 250,000 is recovered is simply based on the recovery of
12 this --

13 A Caulkins.

14 Q -- Caulkins well completed in the Greenhorn.

15 A That's correct.

16 Q You don't know if your well would produce
17 more or less than the 250,000?

18 A No, sir.

19 Q So if it produced more or less, this would
20 have an effect on the rights of the working interest owners
21 in there.

22 A That is correct.

23 Q But it would not have any effect on the rights
24 of the royalty interest owners.

25 Mr. Stogner, do you think that you could look

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
730 Bishop's Lodge Road • Phone (505) 988-3404
Santa Fe, New Mexico 87501

1 into the possibility of requesting the District Office to
2 extend the vertical limits of the Dakota under this 320
3 acre tract to take in the Greenhorn zone?

4 A. We would, yes, we will see that, if it is
5 the Commission's --

6 Q. And you could do this fairly quickly and ad-
7 vise the Examiner if that is an acceptable procedure?

8 A. Yes.

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

11 MR. KELLAHIN: I would just like to say, Mr.
12 Examiner, that we would request approval as a dual com-
13 pletion regardless of what happens with the Greenhorn.

14 MR. STAMETS: If there is nothing further,
15 the witness is excused and the case will be taken under
16 advisement.

17 MR. KELLAHIN: Thank you.

18 (Hearing concluded.)
19
20
21
22
23
24
25

REPORTER'S CERTIFICATE

I, SALLY WALTON BOYD, a Court Reporter, DO HEREBY
CERTIFY that the foregoing and attached Transcript of
Hearing before the Oil Conservation Division was reported
by me; that said transcript is a full, true, and correct
record of the hearing prepared by me to the best of my
ability, knowledge, and skill from my notes taken at the
time of the hearing.

Sally Walton Boyd
Sally Walton Boyd, C.S.R.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER

730 Bishop's Lodge Road • Phone (505) 888-3404
Santa Fe, New Mexico 87501

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6228
heard by me on 7-19-78.
Richard L. Smith Examiner
New Mexico Oil Conservation Commission



JERRY APODACA
GOVERNOR

NICK FRANKLIN
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

December 5, 1978

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

Mr. Jason Kellahin
Kellahin & Fox
Attorneys at Law
Post Office Box 1769
Santa Fe, New Mexico

Re: CASE NO. 8278
ORDER NO. R-5874

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 OCC x
Artesia OCC x
Aztec OCC 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. 6278
Order No. R-5874

APPLICATION OF CONSOLIDATED OIL & GAS, INC.
FOR A DUAL COMPLETION AND 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 19, 1978,
at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 30th day of November, 1978, 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.,
seeks authority to complete its Jenney Well No. 1-A, located
in Unit P of Section 13, Township 26 North, Range 4 West, NMPM,
Rio Arriba County, New Mexico, as a dual completion (conventional)
to produce gas from the Blanco Mesaverde Pool and the Basin-
Dakota Pool and to commingle Greenhorn gas production with the
aforesaid Dakota production in said well.
- (3) That the portion of the subject application dealing
with the downhole commingling of Greenhorn and Dakota production
should be dismissed.
- (4) That the mechanics of the proposed dual completion
are feasible and in accord with good conservation practices.
- (5) That approval of the subject application will prevent
waste and protect correlative rights.

-2-

Case No. 6278
Order No. R-5874

IT IS THEREFORE ORDERED:

(1) That the applicant, Consolidated Oil & Gas, Inc., is hereby authorized to complete its Jenney Well No. 1-A, located in Unit P of Section 13, Township 26 North, Range 4 West, NMPM, Rio Arriba County, New Mexico, as a dual completion (conventional) to produce gas from the Blanco Mesaverde Pool and the Basin-Dakota Pool through parallel strings of tubing with separation of the zones to be achieved by means of a packer set at approximately 7800 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for prorated gas pools in Northwest New Mexico.

(2) That the application to commingle gas production from the Greenhorn and Dakota formations in the wellbore of said Jenney Well No. 1 is hereby dismissed.

(3) 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.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director


S E A L

fd/

Dick



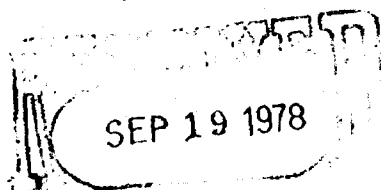
JERRY APODACA
GOVERNOR

NICK FRANKLIN
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

September 14, 1978

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-8178



Mr. D. T. Stogner, Jr.
Consolidated Oil & Gas, Inc. 10010 Santa Fe
1860 Lincoln Street
Denver, Colorado 80295

Re: Consolidated Oil & Gas, Inc.
Jenny #1A
P-13-26N-4W

Dear Mr. Stogner:

The upper vertical limit for the Dakota Producing Interval for the subject well shall be at 7854 feet of depth.

By copy of this letter I shall recommend that that portion of your application for Case No. 6278 relating to downhole commingling be dismissed.

If there are questions, please contact us.

Yours very truly,

ARK Kendrick
A. R. Kendrick
Supervisor, District #3

ARK:mc

xc: Oil Conservation Division
Santa Fe, New Mexico



LINCOLN TOWER BUILDING
1880 LINCOLN STREET
DENVER, COLORADO 80298
(303) 841-5252

Consolidated Oil & Gas, Inc.

September 11, 1978

SEP 19 1978

Sam to

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87401

Attn: Mr. A. R. Kendrick

Re: Application for Extension
of Reservoir Vertical Limits
Jenney No. 1-A
Basin Dakota Field
SE/4, SE/4 Sec 13, T26N, R4W
Rio Arriba County, New Mexico

Gentlemen:

Consolidated Oil & Gas, Inc. respectfully request that the vertical limits of the Basin Dakota zone be extended to include the Greenhorn Formation in the E/2 of Section 13, Township 26 North, Range 4 West with a top equivalent to a depth of 7,854' in the subject well. The attached log strip shows the existing Dakota top and the proposed extension.

The working interest owners in the Dakota zone of the Jenney No. 1-A have agreed to Consolidated assigning them its 100% interest in the Greenhorn zone and have so indicated on the attached statement.

Please consider this request as notification that we wish to withdraw our previous request to well-bore commingle the Greenhorn and Dakota zones.

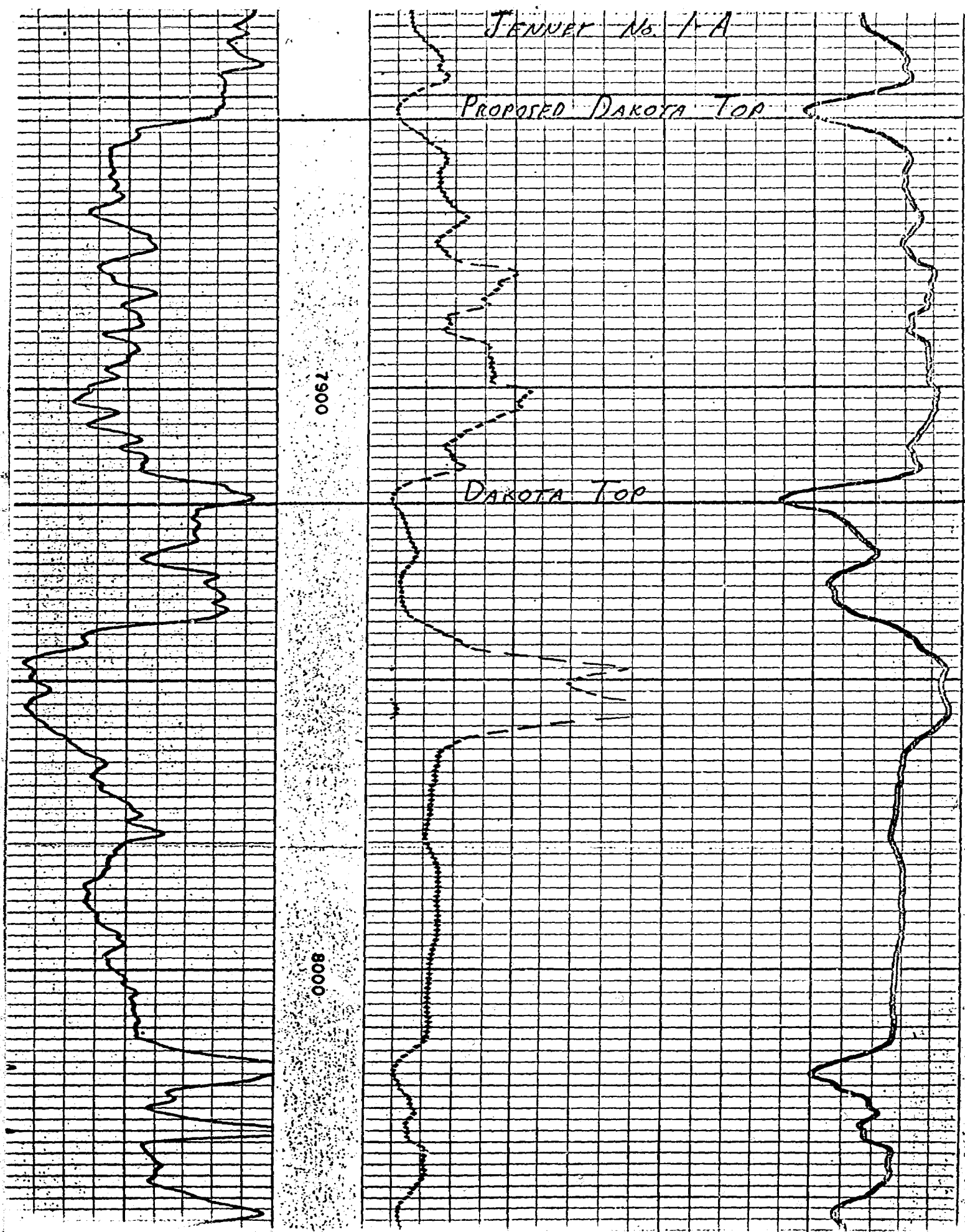
Very truly yours,

CONSOLIDATED OIL & GAS, INC.

D. T. Stogner, Jr.
D. T. Stogner, Jr.
Vice President, Operations
Gulf Coast-West Texas Division



DTS:sm
Enclosures



SEP 19 1978

Enclosure

August 14, 1978

Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80295

Re: Jenny No. 1-A
SE SE Sec. 13, T26N, R4W
Rio Arriba County,
New Mexico

Gentlemen:

As a working interest owner in the subject well, this firm has no objection to Consolidated's proposal to assign its interest in the Greenhorn Formation based on the interest shown below and to seek approval from the New Mexico Oil Conservation Commission to well bore commingle the Dakota and Greenhorn production.

LESTER CROWN (50% Working Interest)

Approved: _____

Disapproved: _____

By: _____

Date: _____

JENNEY OIL CO. (25% Working Interest)

Approved: Jenney Oil Company, Inc.

Disapproved: _____

By: C.W. Hill, Treasurer

Date: September 5, 1978

August 14, 1978

Consolidated Oil & Gas, Inc.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80295

Re: Jenny No. 1-A
SE SE Sec. 13, T26N, R4W
Rio Arriba County,
New Mexico

Gentlemen:

As a working interest owner in the subject well, this firm has no objection to Consolidated's proposal to assign its interest in the Greenhorn Formation based on the interest shown below and to seek approval from the New Mexico Oil Conservation Commission to well bore commingle the Dakota and Greenhorn production.

LESTER CROWN (50% Working Interest)

Approved: ✓

Disapproved: _____

By: Lester Crown

Date: 8/13/78

JENNEY OIL CO. (25% Working Interest)

Approved: _____

Disapproved: _____

By: _____

Date: _____

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

| | | | | |
|---|--------------------|-----------------------------|------------------------|-----------------------------|
| Operator Consolidated Oil & Gas, Inc. | | County Rio Arriba | | Date June 6, 1978 |
| Address 1860 Lincoln Street, Denver, CO 80295 | | Lease Jenney | | Well No. 1-A |
| Location of Well "p" | Unit "p" | Section 13 | Township 26N | Range 4W |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. MC-1671; Operator Lease, and Well No. COG-Jenney #1

| 3. The following facts are submitted: | Upper Zone | Intermediate Zone | Lower Zone |
|--|---|-------------------|--|
| a. Name of Pool and Formation | Blanco-Mesaverde | ----- | Basin-Dakota/Greenho |
| b. Top Bottom of Pay Section (Perforation) | Top: 5423' Btm: 6073' Perfs: 5426'-5526', 5926'-6054'/Perfs: 30 - 3/8" jet shots | | Top: 7939' Btm: 8100' 7891'-7907', 7944'-62 8080'-96' 23 - 3/8" jet shc |
| c. Type of production (Oil or Gas) | Gas | | Gas |
| d. Method of Production (Flowing or Artificial Lift) | Flowing | | Flowing |

4. The following are attached. (Please check YES or NO)

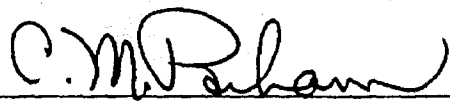
- | | | |
|-------------------------------------|--------------------------|---|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Mobil Oil Corp., Box 5444, Denver, CO 80217

Supron Energy Corporation, Suite 1700, 8350 N. Central Expwy, Dallas, TX 75206

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒. If answer is yes, give date of such notification _____

| | |
|---|---|
| CERTIFIED BEFORE EXAMINER, STAMETS OIL CONSERVATION COMMISSION EXHIBIT NO. <u>1</u> CASE NO. <u>6278</u> Submitted by <u>DT Stagner</u> | I am the <u>Sr. Production Engr.</u> of the <u>Consolidated Oil & Gas, Inc.</u> and I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. |
| |  Signature |
| | Hearing Date <u>July 19, 78</u> |
| | *Should all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed. |

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

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

| | | | | | |
|---|--|--|----------------------------------|-----------------------------|-------------------------|
| Operator CONSOLIDATED OIL AND GAS, INC. | | | Lease JENNY | | Well No 1 - A |
| Unit Letter P | Section 13 | Township 26 NORTH | Range 4 WEST | County RIO ARriba | |
| Actual Factor Location of Well: | | | | | |
| 990 feet from the SOUTH line and | | 790 feet from the EAST line | | | |
| Ground Level Elev. 7085 | Producing Formation Mesaverde-Gallup | Foot Blanco Mesaverde - Gallup | Dedicated Acreage: 320 | | Ac |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plot below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

() Yes () No If answer is "yes," type of consolidation

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

Note: Basin-Dakota acreage (E/2 of Section 13) to be jointly dedicated to Jenney No. 1 and Jenney No. 1-A.

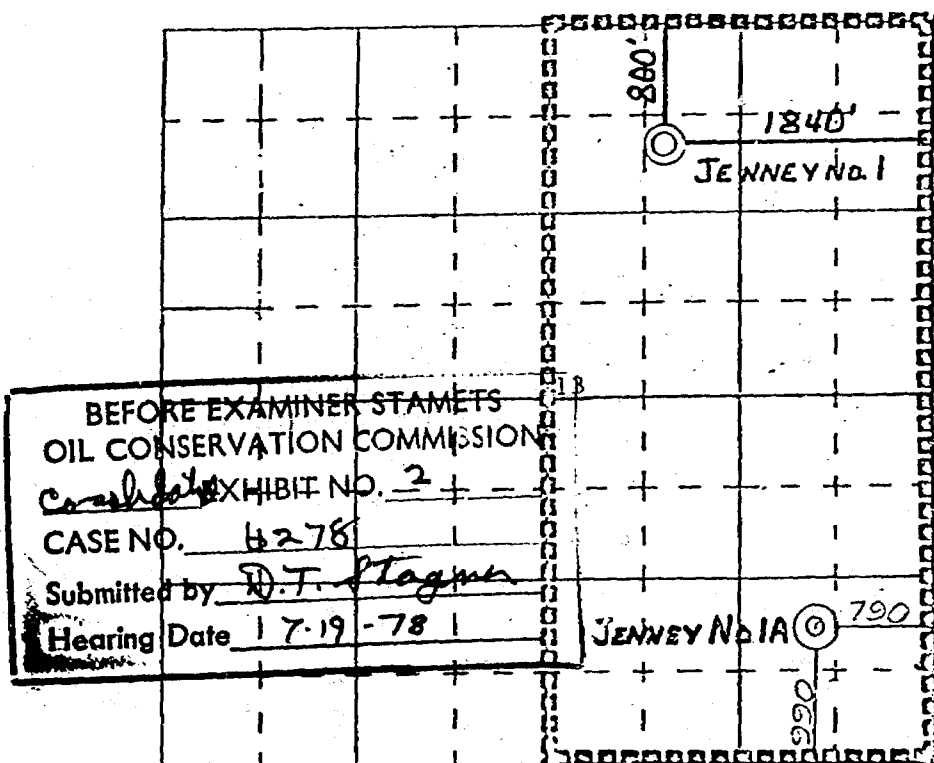
CERTIFICATION

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

O.B. Whitenburg
Name
O.B. Whitenburg
Position
Sr. Drilling Engineer
Company
Consolidated Oil & Gas
Date
10/6/77

I hereby certify that the well location shown on this plat was plotted from field notes and surveys made by me or under my supervision, and that the same is true and correct to the best of knowledge and belief.

BEFORE EXAMINER STATEMENTS
14 September 1977
Date Submitted
James P. Leese
Professional Engineer
and/or Land Surveyor **James P. Leese**



SCALE—1 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

EXHIBIT "A"

Certificate No. **1463**

| R4W | | | R3W | |
|----------------------|----------------------|----------------------|--------|--------------|
| So. Union Prod. | Consolidated | So. Union Production | Mobil | Consolidated |
| — 11 — | PC | PC | OPC | PC MV |
| PC | PC C-1 MV DK | OG/DK | PC MV | PC DK |
| So. Union Production | So. Union Prod. | Consolidated | Mobil | |
| OMV/DK | ODK | OMV/DK | OG/DK | |
| OPC/G | — 13 — | JENNEY #1 | — 18 — | |
| OG/DK | PC | JENNEY #1-A | OG/DK | |
| PC | | MV/DK | | |
| So. Union Production | So. Union Production | Mobil | | |
| OG/DK | OG/DK | OG/DK | | |
| — 23 — | — 24 — | OPC | | |
| PC | PC | OG/DK | | |
| OPC/DK | | PC MV | OMV | |

T
26
N

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

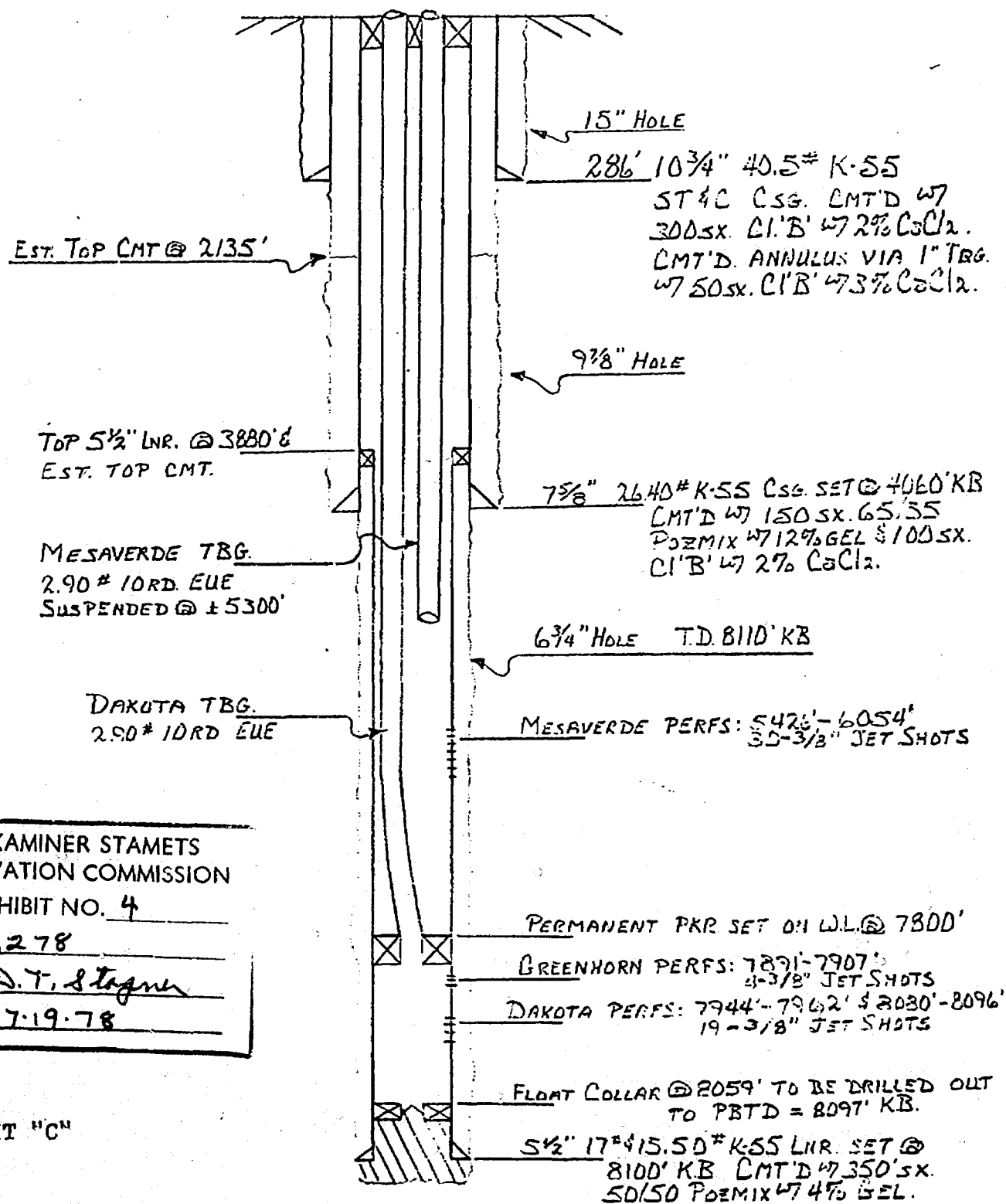
CONSOLIDATED OIL & GAS, INC.
EXHIBIT NO. 3 APPLICATION FOR MULTIPLE COMPLETION
Blanco Mesaverde & Basin-Dakota/Greenhorn Zones
Jenney No. 1-A
Submitted by A.T. Stagner Section 13, T26N, R4W
Hearing Date 7-19-78 Rio Arriba County, New Mexico

Note: Basin-Dakota acreage (E/2 of Section 13) to be
jointly dedicated to Jenney No. 1 and Jenney
No. 1-A.

MV-Blanco Mesaverde; DK-Basin Dakota; PC-Pictured Cliffs;
G-Wildhorse-Gallup

EXHIBIT "B"

CONSOLIDATED OIL & GAS, INC.
 APPLICATION FOR MULTIPLE COMPLETION
 Blanco Mesaverde & Basin-Dakota/Greenhorn Zones
 Jenney No. 1-A
 Section 13, T26N, R4W
 Rio Arriba County, New Mexico



BEFORE EXAMINER STAMETS
 OIL CONSERVATION COMMISSION
~~Consolidated~~ EXHIBIT NO. 4
 CASE NO. 6278
 Submitted by A. T. Stagner
 Hearing Date 7-19-78

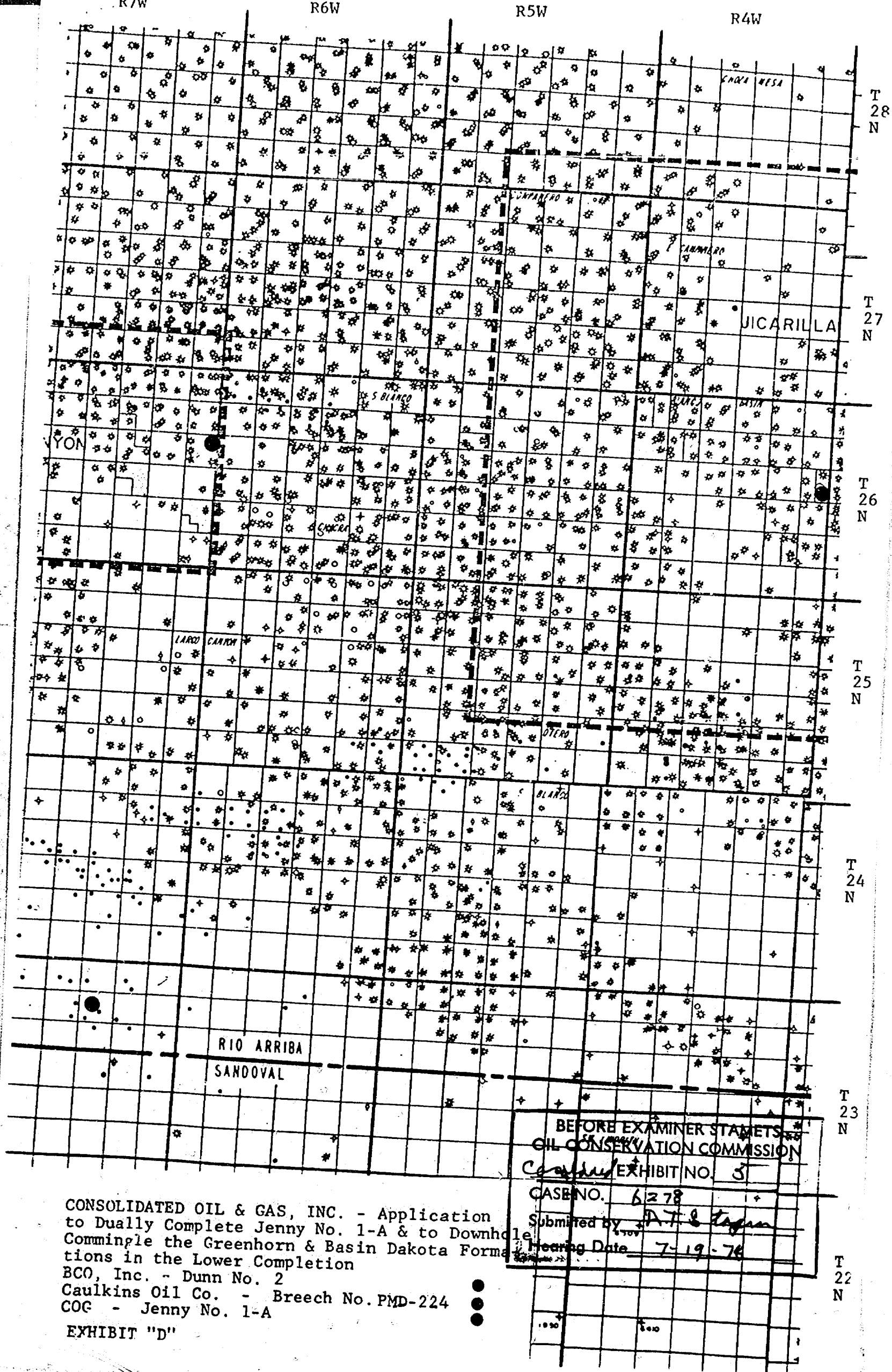
EXHIBIT "C"

R7W

R6W

R5W

R4W



CONSOLIDATED OIL & GAS, INC. - Application
to Dually Complete Jenny No. 1-A & to Downhole
Commingle the Greenhorn & Basin Dakota Forma
tions in the Lower Completion
BCO, Inc. - Dunn No. 2
Caulkins Oil Co. - Breech No. PMD-224
COC - Jenny No. 1-A

EXHIBIT "D"

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION

EXHIBIT NO. 3

CASE NO. 6278

Submitted by *A.T. & T.*

Hearing Date 7-19-76

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Form C-122
Revised 12-1-55

Pool South Blanco Formation Greenhorn County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 8-19-59
Company Caulkins Oil Company Lease Breech Well No. PND-224
Unit A Sec. 13 Twp. 26N Rge. 7W Purchaser Southern Union Gas Company
Casing 7" Wt. 23.26# I.D. 6.366 Set at 7342 Perf. 6900 To 6940
2" 4.70 1.995 5153 to 6302
Tubing 1" Wt. 1.68 I.D. 1.049 Set at 5153 Perf. 6302 To _____
Gas Pay: From 6900 To 6940 L. 5153* xG .660 -GL 2655 Bar.Press. 12#
Producing Thru: Casing No Tubing Yes Type Well G. G. G. Triple
4953 Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 8-11-59 Packer 5154 Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps _____

| No. | Flow Data | | | Tubing Data | | Casing Data | | Duration of Flow Hr. |
|-----|----------------------|------------------------|-------------|----------------------|-----------|-------------|-----------|----------------------|
| | (Prover) (Line) Size | (Choke) (Orifice) Size | Press. psig | Diff. h _w | Temp. °F. | Press. psig | Temp. °F. | |
| 1. | | 3/4" | 70# | | | 1216 | 44 | 7 day 81 |
| 2. | | | | | | 70# | | 3 hr test |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |

FLOW CALCULATIONS

| No. | Coefficient (24-Hour) | $\sqrt{h_w P_f}$ | Pressure psia | Flow Temp. Factor F _t | Gravity Factor F _g | Compress. Factor F _{pv} | Rate of Flow Q-MCFPD @ 15.025 psia |
|-----|-----------------------|------------------|---------------|----------------------------------|-------------------------------|----------------------------------|------------------------------------|
| 1. | 14.1605 | | 82 | 1.0158 | .9535 | 1.011 | 1.136 |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c 50.40 (1-e^{-s}) 0.176
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1228 P_c 1,507.9

| No. | P _w P _t (psia) | P _t ² | F _c Q | (F _c Q) ² | (F _c Q) ² (1-e ^{-s}) | P _w ² | P _c ² -P _w ² | Cal. P _w | P _w /P _c |
|-----|--------------------------------------|-----------------------------|------------------|---------------------------------|--|-----------------------------|--|---------------------|--------------------------------|
| 1. | 82 | 6.7 | 57.2 | 3271.8 | 575.8 | 582.5 | 925.4 | 754 | .622 |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |

Absolute Potential: 1.639 MCFPD; n 1.63 ⁿ⁷⁵ 1.4425
COMPANY Caulkins Oil Company
ADDRESS Box 967, Farmington, New Mexico
AGENT and TITLE Charles J. Jorgensen Production Foreman
WITNESSED _____
COMPANY _____

REMARKS

EXHIBIT "E"

BEFORE EXAMINER STAMETS
OIL CONSERVATION COMMISSION
EXHIBIT NO. 6
CASE NO. 6278
Submitted by D.T. Jorgensen
Hearing Date 7-19-78

(o) EXTEND the South Hospah-Lower Sand Oil Pool in McKinley County, New Mexico, to include therein:

TOWNSHIP 17 NORTH, RANGE 8 WEST, NMPM
Section 6: NW/4 SE/4

TOWNSHIP 17 NORTH, RANGE 9 WEST, NMPM
Section 12: NW/4 NW/4

(p) EXTEND the South Hospah-Upper Sand Oil Pool in McKinley County, New Mexico, to include therein:

TOWNSHIP 17 NORTH, RANGE 8 WEST, NMPM
Section 5: W/2 SW/4
Section 6: S/2 SE/4
Section 7: N/2 NE/4
Section 8: NW/4 NW/4

TOWNSHIP 17 NORTH, RANGE 9 WEST, NMPM
Section 12: NW/4 NW/4

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

TOWNSHIP 28 NORTH, RANGE 11 WEST, NMPM
Section 33: NW/4

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

TOWNSHIP 31 NORTH, RANGE 7 WEST, NMPM
Section 2: NE/4
Section 10: NE/4

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

TOWNSHIP 23 NORTH, RANGE 7 WEST, NMPM
Section 8: NW/4

(t) EXTEND the Papers Wash-Entrada Oil Pool in McKinley County, New Mexico, to include therein:

TOWNSHIP 19 NORTH, RANGE 5 WEST, NMPM
Section 15: SE/4 SW/4
Section 16: NE/4 SE/4
Section 22: NE/4 NW/4

(u) The advertised extension of the Rusty-Chacra Pool in Sandoval County, New Mexico, will be deferred to a later date because of an error in advertising.

(v) EXTEND the Ute Dome-Dakota Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 32 NORTH, RANGE 14 WEST, NMPM
Section 24: S/2

Docket No. 23-78

TOWNSHIP 27 NORTH, RANGE 13 WEST, NMPM
Section 18: W/2
Section 19: N/2
Section 25: SE/4
Section 27: NW/4
Section 30: W/2
Section 34: SE/4
Sections 35 and 36: All

which includes, among other lands, the lands formerly contained in the Nipp-Pictured Cliffs Pool.

(e) CONTRACT the South Gallegos-Fruitland Pool in San Juan County, New Mexico, by deleting:

TOWNSHIP 26 NORTH, RANGE 12 WEST, NMPM
Section 8: N/2
Section 9: N/2
Section 10: N/2

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

TOWNSHIP 23 NORTH, RANGE 3 WEST, NMPM
Section 7: S/2
Section 8: SW/4

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

TOWNSHIP 29 NORTH, RANGE 4 WEST, NMPM
Section 5: SW/4

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

TOWNSHIP 29 NORTH, RANGE 8 WEST, NMPM
Section 9: SE/4

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

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

TOWNSHIP 28 NORTH, RANGE 8 WEST, NMPM
Section 10: All

(j) EXTEND the Bloomfield-Chacra Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 29 NORTH, RANGE 11 WEST, NMPM
Section 9: SW/4

(k) EXTEND the BS Mesa-Gallup Pool in Rio Arriba County, New Mexico, to include therein:

TOWNSHIP 26 NORTH, RANGE 4 WEST, NMPM
Section 3: SE/4

(l) The advertised extension of the Chacon-Dakota Associated Pool in Rio Arriba and Sandoval Counties, New Mexico, will be deferred to a later date because of an error in advertising.

(m) EXTEND the Dufers Point Gallup Dakota Oil Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 25 NORTH, RANGE 8 WEST, NMPM
Section 18: W/2

TOWNSHIP 25 NORTH, RANGE 9 WEST, NMPM
Section 12: W/2
Section 13: NE/4

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

TOWNSHIP 29 NORTH, RANGE 11 WEST, NMPM
Section 5: SW/4

CASE 6280: Application of Energy Reserves Group, Inc., for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle South Blanco-Pictured Cliffs and Otero-Chacra production in the wellbores of its Jicarilla 35 Well No. 6 located in Unit H of Section 1, Township 24 North, Range 5 West, and its Jicarilla 35 Wells Nos. 4 and 5, located in Unit M of Section 35 and Unit J of Section 36, respectively, both in Township 25 North, Range 5 West, Rio Arriba County, New Mexico.

CASE 6281: Application of Southern Union Exploration Co. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation through the perforated interval from 4300 feet to 4346 feet in its Susco State Well No. 3 located in Unit N of Section 19, Township 9 South, Range 33 East, Flying "M" San Andres Pool, Lea County, New Mexico.

CASE 6282: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order abolishing, contracting, extending vertical and horizontal limits, and redesignating certain pools in McKinley, Rio Arriba, Sandoval, and San Juan Counties, New Mexico:

(a) ABOLISH the Ojito-Gallup Oil Pool in Rio Arriba County, New Mexico, described as:

TOWNSHIP 25 NORTH, RANGE 3 WEST, NMPM
Section 17: SW/4

(b) EXTEND the vertical limits of the Ojito-Dakota Oil Pool in Rio Arriba County, New Mexico, described as:

TOWNSHIP 25 NORTH, RANGE 3 WEST, NMPM
Section 17: SW/4
Section 18: SE/4
Section 19: NE/4

to include the Gallup formation and redesignate said pool the Ojito Gallup-Dakota Oil Pool and extend said pool to include therein:

TOWNSHIP 25 NORTH, RANGE 3 WEST, NMPM
Section 17: NW/4

(c) ABOLISH the Nipp-Pictured Cliffs Pool in San Juan County, New Mexico.

(d) EXTEND the horizontal limits of the WAW Fruitland-Pictured Cliffs Pool in San Juan County, New Mexico, to include therein:

TOWNSHIP 25 NORTH, RANGE 12 WEST, NMPM
Section 2: W/2
Section 3: All
Section 10: N/2
Section 11: W/2 and SE/4
Section 14: NE/4

TOWNSHIP 26 NORTH, RANGE 12 WEST, NMPM
Section 5: E/2
Section 7: W/2 and SE/4
Section 8: E/2 and SW/4
Section 16: SW/4
Sections 17 and 18: All
Section 19: NE/4
Section 20: All
Section 21: W/2 and SE/4
Section 22: S/2
Section 26: SW/4
Sections 27 and 28: All
Section 29: N/2
Sections 33, 34 and 35: All

TOWNSHIP 26 NORTH, RANGE 13 WEST, NMPM
Section 1: N/2 and SE/4
Section 2: NE/4
Section 4: NE/4
Section 12: E/2

TOWNSHIP 27 NORTH, RANGE 12 WEST, NMPM
Section 30: SW/4

Dockets Nos. 24-78 and 25-78 are tentatively set for hearing on August 2 and 16, 1978. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JULY 19, 1978

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:

ALLOWABLE: (1) Consideration of the allowable production of gas for August, 1978, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.

(2) Consideration of the allowable production of gas for August, 1978, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 6274: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Shar-Alan Oil Company, The Travelers Indemnity Co., and all other interested parties to appear and show cause why the Lillian State Well No. 2-X located in Unit P of Section 2 and the Emma McDaniel Well No. 2 located in Unit G of Section 22, both in Township 24 North, Range 1 West, Rio Arriba County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 6241: (Continued from June 7, 1978, Examiner Hearing)

Application of Yates Petroleum Corporation for downhole commingling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to commingle Eagle Creek Permo-Penn and West Atoka-Morrow gas production in the wellbore of its Powell DG Well No. 1 located in Unit O of Section 35, Township 17 South, Range 25 East, Eddy County, New Mexico.

CASE 6275: Application of Delta Drilling Company for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox gas well location of its Donaldson "A" Com. Well No. 1 located 1930 feet from the North line and 2303 feet from the West line of Section 23, Township 23 South, Range 28 East, Strawn formation, Eddy County, New Mexico, the W/2 of said Section 23 to be dedicated to the well.

CASE 6276: Application of Jerome P. McHugh for an unorthodox gas well location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of his Chris Well No. 4 to be drilled 1902 feet from the South line and 1650 feet from the East line of Section 9, Township 27 North, Range 3 West, Blanco Mesaverde Pool, Rio Arriba County, New Mexico, the S/2 of said Section 9 to be dedicated to the well.

Applicant further seeks authority to commingle Blanco Mesaverde and Gavilan-Pictured Cliffs production in the wellbore of said well.

CASE 6277: Application of Jerome P. McHugh for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Gavilan Pictured Cliffs and Blanco Mesaverde production in the wellbores of his Chris Wells Nos. 3 and 3A, located in Units H and I of Section 21, Township 27 North, Range 3 West, Rio Arriba County, New Mexico.

CASE 6253: (Continued and Readvertised)

Application of Merrion & Bayless for a non-standard proration unit and unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 366.44-acre non-standard gas proration unit comprising the W/2 of Sections 30 and 31, Township 26 North, Range 2 West, Blanco Mesaverde Pool, Rio Arriba County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location 1650 feet from the North line and 750 feet from the East line of said Section 30.

CASE 6278: Application of Consolidated Oil & Gas, Inc., for a dual completion and downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Jenney Well No. 1-A located in Unit P of Section 13, Township 26 North, Range 4 West, Rio Arriba County, New Mexico, to produce gas from the Blanco Mesaverde Pool and the Basin-Dakota Pool and to commingle Greenhorn gas production with the aforesaid Dakota production in said well.

CASE 6279: Application of Hanagan Petroleum Corporation 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 N/2 of Section 28, Township 21 South, Range 26 East, Avalon Hills-Morrow Pool, Eddy County, New Mexico, 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.

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool South Blanco Formation Greenhorn County Rio Arriba
Initial X Annual _____ Special _____ Date of Test 8-19-59
Company Caulkins Oil Company Lease Breech Well No. PND-224
Unit A Sec. 13 Twp. 26N Rge. 7W Purchaser Southern Union Gas Company
Casing 7" Wt. 23.26# I.D. 6.366 Set at 7342 Perf. 6900 To 6940
2" 4.70 1.995 5153 to 6302
Tubing 1" Wt. 1.68 I.D. 1.049 Set at 5153 Perf. 6302 To _____
Gas Pay: From 6900 To 6940 L 5153* xG .660 -GL 2655 Bar.Press. 12#
Producing Thru: Casing No Tubing Yes Type Well G. G. or G.O. Triple
4953 Single-Bradenhead-G. G. or G.O. Dual
Date of Completion: 8-11-59 Packer 5154 Reservoir Temp. _____

OBSERVED DATA

Tested Through (Prover) (Choke) (Meter) Type Taps _____

| No. | Flow Data | | | Tubing Data | | Casing Data | | Duration of Flow Hr. |
|-----|----------------------|------------------------|-------------|----------------------|-----------|-------------|-----------|----------------------|
| | (Prover) (Line) Size | (Choke) (Orifice) Size | Press. psig | Diff. h _w | Temp. °F. | Press. psig | Temp. °F. | |
| SI | | | | | | 1216 | | 7 day SI |
| 1. | | 3/4" | 70# | | | 70# | 44 | 3 hr test |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |

FLOW CALCULATIONS

| No. | Coefficient (24-Hour) | $\sqrt{h_w P_f}$ | Pressure psia | Flow Temp. Factor F _t | Gravity Factor F _g | Compress. Factor F _{pv} | Rate of Flow Q-MCFPD @ 15.025 psia |
|-----|-----------------------|------------------|---------------|----------------------------------|-------------------------------|----------------------------------|------------------------------------|
| 1. | 14.1605 | | 82 | 1.0158 | .9535 | 1.011 | 1.136 |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.
Gravity of Liquid Hydrocarbons _____ deg.
P_c 50.40 (1-e^{-s}) 0.176
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid _____
P_c 1228 P_c 1,507.9

| No. | P _w P _t (psia) | P _t ² | F _c Q | (F _c Q) ² | (F _c Q) ² (1-e ^{-s}) | P _w ² | P _c ² -P _w ² | Cal. P _w | P _w -P _c |
|-----|--------------------------------------|-----------------------------|------------------|---------------------------------|--|-----------------------------|--|---------------------|--------------------------------|
| 1. | 82 | 6.7 | 57.2 | 3271.8 | 575.8 | 582.5 | 925.4 | 754 | .622 |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |

Absolute Potential: 1.639 MCFPD; n 1.63ⁿ⁷⁵ 1.4425

COMPANY Caulkins Oil Company
ADDRESS Box 967, Farmington, New Mexico
AGENT and TITLE Charles D. Quinn Production Foreman
WITNESSED _____
COMPANY _____

REMARKS

EXHIBIT "E"

Ex 6

ij

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Case 4278
Ex 1

| | | | | |
|--|------------|----------------------|-------------|----------------------|
| Operator Consolidated Oil & Gas, Inc. | | County Rio Arriba | | Date June 6, 1978 |
| Address 1860 Lincoln Street, Denver, CO 80295 | | Lease Jenney | | Well No. 1-A |
| Location of Well "P" | Unit 13 | Section 26N | Range 4W | |

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☒ NO ☐
2. If answer is yes, identify one such instance: Order No. MC-1671; Operator Lease, and Well No. COG-Jenney #1

| 3. The following facts are submitted: | Upper Zone | Intermediate Zone | Lower Zone |
|--|--|--|---|
| a. Name of Pool and Formation | Blanco-Mesaverde | ----- | Basin-Dakota/Greenho |
| b. Top and Bottom of Pay Section (Perforations) | Top: 5423' Btm: 6073' Perfs: 5426'-5526', 30 - 3/8" jet shots | 5926'-6054'/Perfs: 8080'-96' 23 - 3/8" jet shc | Top: 7939' Btm: 8100 7891'-7907', 7944'-62 |
| c. Type of production (Oil or Gas) | Gas | | Gas |
| d. Method of Production (Flowing or Artificial Life) | Flowing | | Flowing |

4. The following are attached. (Please check YES or NO)

- | | | |
|-------------------------------------|--------------------------|---|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Mobil Oil Corp., Box 5444, Denver, CO 80217

Supron Energy Corporation, Suite 1700, 8350 N. Central Expwy, Dallas, TX 75206

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☐ NO ☒. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Sr. Production Engr. of the Consolidated Oil & Gas, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

C. M. Rahman
Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

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

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACRAGE DEDICATION PLAT

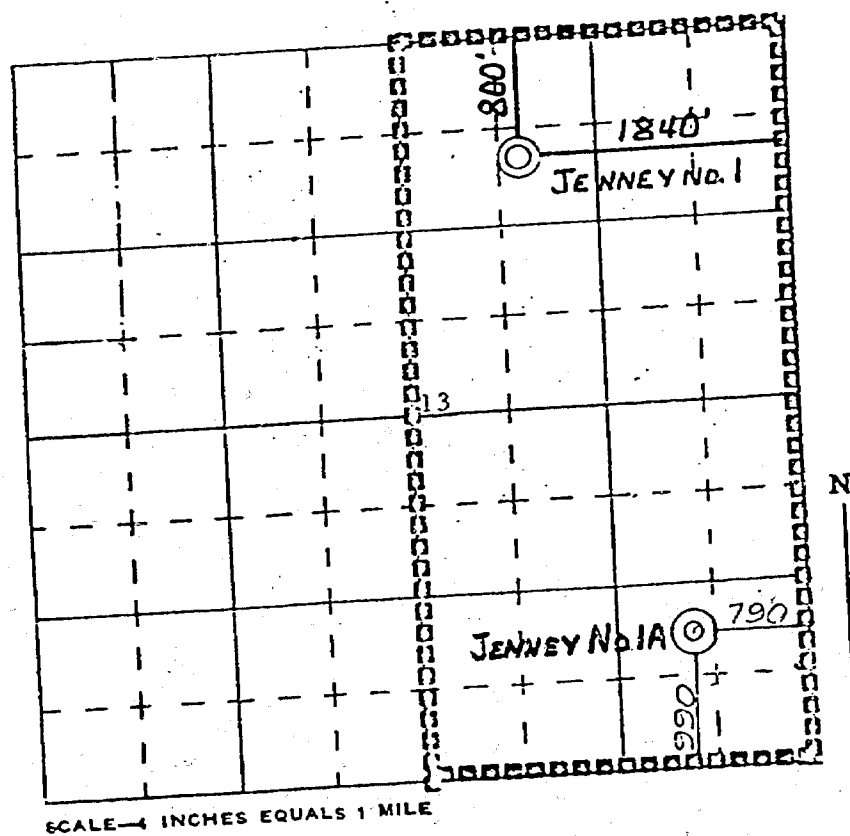
All distances must be from the outer boundaries of the Section

| | | | | | |
|--|--|-----------------------------|--|-----------------------------|-------------------------|
| Operator CONSOLIDATED OIL AND GAS, INC. | | | | Lease JENNY | Well No 1 - A |
| Unit Letter P | Section 13 | Township 26 NORTH | Range 4 WEST | County RIO ARriba | |
| Actual Footage Location of Well: 990 feet from the SOUTH line and 790 feet from the EAST line | | | Dedicated Acreage: 320 Acr | | |
| Ground Level Elev. 7085 | Producing Formation Mesaverde-Gallup | | Foot Blanco Mesaverde - Gallup | | |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

() Yes () No If answer is "yes," type of consolidation _____
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

Note: Basin-Dakota acreage (E/2 of Section 13) to be jointly dedicated to Jenney No. 1 and Jenney No. 1-A.



EAR JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

EXHIBIT "A"

CERTIFICATION

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


























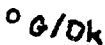












Name O.B. Whitenburg
Position Sr. Drilling Engineer
Company Consolidated Oil & Gas
Date 10/6/77

I hereby certify that the well location shown on this plat was plotted from field notes of surveys made by me or under my supervision that the same is true and correct to the best of knowledge and belief.

Date Surveyed 14 September 1977
James P. Leese
Registered Professional Engineer
and/or Land Surveyor James P. Leese

Certificate No. 1463

R 3 W

| | | | | |
|---|---|---|--|--|
| So. Union Prod.   | Consolidated    | So. Union Production    | Mobil    | Consolidated   |
| 11 | | 12 | | 7 |
| So. Union Production | So. Union Production | So. Union Prod. | Consolidated | Mobil |
|    |   |   |  JENNEY #1  JENNEY #1-A  MV/DK |   |
| 14 | | 13 | | 18 |
| So. Union Production | So. Union Production | So. Union Production | | Mobil |
|   |   |    |     |   |
| 23 | | 24 | | 19 |

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CONSOLIDATED OIL & GAS, INC.
APPLICATION FOR MULTIPLE COMPLETION
Blanco Mesaverde & Basin-Dakota/Greenhorn Zones
Jenney No. 1-A
Section 13, T26N, R4W
Rio Arriba County, New Mexico

Note: Basin-Dakota acreage (E/2 of Section 13) to be jointly dedicated to Jenney No. 1 and Jenney No. 1-A.
MV-Blanco Mesaverde; DK-Basin Dakota; PC-Pictured Cliffs; G-Wildhorse-Gallup

EXHIBIT "B"

CONSOLIDATED OIL & GAS, INC.
 APPLICATION FOR MULTIPLE COMPLETION
 Blanco Mesaverde & Basin-Dakota/Greenhorn Zones
 Jenney No. 1-A
 Section 13, T26N, R4W
 Rio Arriba County, New Mexico

Ex 4

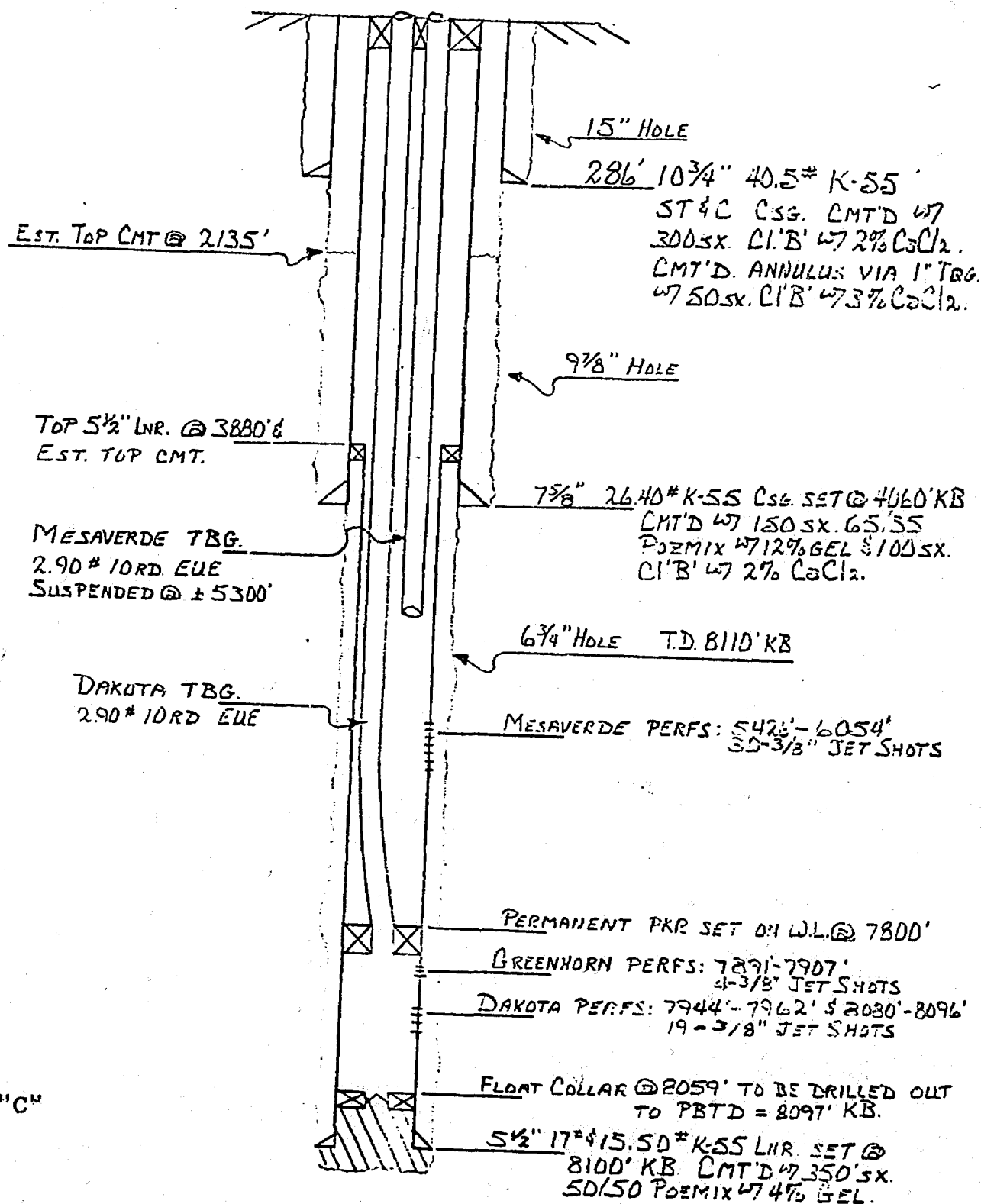
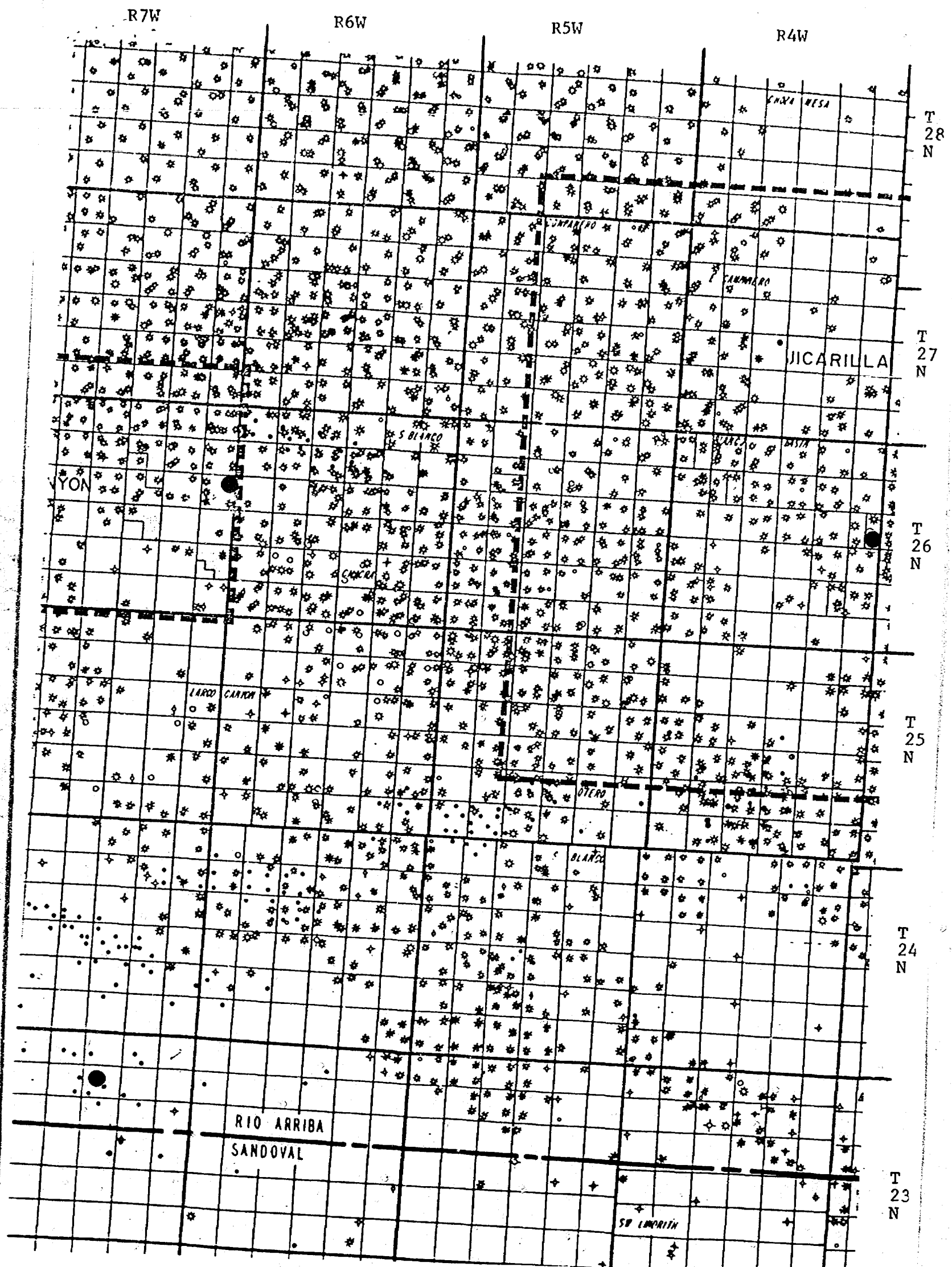


EXHIBIT "C"



CONSOLIDATED OIL & GAS, INC. - Application
to Dually Complete Jenny No. 1-A & to Downhole
Comminple the Greenhorn & Basin Dakota Forma-
tions in the Lower Completion
BCO, Inc. - Dunn No. 2
Caulkins Oil Co. - Breech No. PMD-224
COG - Jenny No. 1-A
EXHIBIT "D"

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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. 6278

Order No. R- 5874

APPLICATION OF CONSOLIDATED OIL & GAS, INC.
FOR A DUAL COMPLETION AND DOWNHOLE COMMINGLING, RIO ARRIBA
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on
July 19, 1978, at Santa Fe, New Mexico, before
Examiner Richard L. Stamets.

NOW, on this July day of July, 1978, 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.,
seeks authority to complete its Jenney Well No. 1-A

~~XXXXXXX~~ well No. , located in Unit P of Section 13, Town-
ship 26 North, Range 4 West, NMPM, Rio Arriba

County, New Mexico, as a dual completion (conventional) to
~~(combination)~~
~~(tubingless)~~

~~xxx~~ produce gas from the Blanco Mesaverde Pool and the Basin-

Dakota Pool and to commingle Greenhorn gas production with the

aforesaid Dakota production in said well.

(3) That the portion of the subject
application dealing with the downhole commingling
of Greenhorn and Dakota production should
be dismissed.

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(5) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Consolidated Oil & Gas, Inc., is hereby authorized to complete its Jenney Well No. 1-A, located in Unit P of Section 13, Township 26 North, Range 4 West, NMPM, Rio Arriba County, New Mexico, as a dual completion (conventional) ~~(combination)~~ ~~(tubingless)~~

~~to produce gas from the Blanco Mesaverde Pool and the Basin-~~

~~Dakota Pool and to commingle Greenhorn gas production with~~
through perforated strings of
~~tubing with separation of the zones to be achieved~~
~~the aforesaid Dakota production in said well~~

by means of a packer set at approximately 7800 feet

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take ~~a~~

packer leakage tests upon completion and annually thereafter during the Annual *Deliverability* Test Period for the *promoted gas pools in Northwest New Mexico* Pool.

(3) 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 the application to commingle gas production from the Greenhorn and Dakota Formations in the wellbore of said Jenney Well No. 1 is hereby dismissed.