

CASE 5456: SOUTHERN UNION PROD.
CO. for a dual completion,
Eddy County, New Mexico.

CASE No.

5456

Application,

Transcripts,

Small Exhibits

ETC.

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
April 16, 1975

EXAMINER HEARING

IN THE MATTER OF:

Application of Southern Union
Production Company for a dual
completion, Eddy County,
New Mexico.

CASE NO. 5456

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the New Mexico Oil
Conservation Commission:

William F. Carr, Esq.
Legal Counsel for the
Commission
State Land Office Building
Santa Fe, New Mexico 87501

For the Applicant:

Jack M. Campbell, Esq.
CAMPBELL & BINGAMAN
121 Palace Avenue
Santa Fe, New Mexico 87501

CASE 5456

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I N D E X

PAGE

JERRY L. LEE

Direct Examination by Mr. Campbell
Cross Examination by Mr. Nutter

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THE NYE REPORTING SERVICE
STATE-WIDE DEPOSITION NOTARIES
225 JOHNSON STREET
SANTA FE, NEW MEXICO 87501
TEL. (505) 982-0386

LEE-DIRECT

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MR. NUTTER: Case 5456.

MR. CARR: Case 5456. Application of Southern Union Production Company for a dual completion, Eddy County, New Mexico.

MR. NUTTER: We will take a 15-minute recess.

(Whereupon, a short recess was held.)

MR. NUTTER: The Hearing will come to order, please. We have already called Case No. 5456.

MR. CAMPBELL: Jack M. Campbell, Campbell and Bingaman, 121 Palace Avenue, Santa Fe, New Mexico, representing Southern Union Production Company. We have one witness, Mr. Examiner, Mr. Lee.

(Witness sworn.)

JERRY L. LEE

called as a witness, having been first duly sworn, was examined and testified as follows:

DIRECT EXAMINATION

BY MR. CAMPBELL:

Q Will you state your name, please?

A Jerry Lee.

Q Where do you live and by whom are you employed, Mr. Lee?

A I reside in Farmington, New Mexico, and I am

LEE-DIRECT

Page.....4.....

employed by Southern Union Production Company as the Area Drilling and Production Engineer.

Q Are you a petroleum engineer?

A Yes, sir, I am.

Q Have you testified before this Commission previously?

A No, sir, I have not.

Q Would you state very briefly to the Examiner your educational and professional background?

A I have a B.S. degree in Petroleum Engineering which I received from Louisiana State University in May of 1969. Since that time, I have spent $3\frac{1}{2}$ years with Shell Oil Company in the Rocky Mountain area working as a production engineer, dealing with remedial and completion work. The past 15 months, I have worked for Southern Union Production Company as the Area Drilling and Production Engineer, active in all phases of drilling and production operations.

MR. CAMPBELL: Are his qualifications acceptable, Mr. Examiner?

MR. NUTTER: Yes, they are.

BY MR. CAMPBELL:

Q In your capacity with Southern Union Production Company, are you acquainted with their Application in Case No. 5456 for a dual completion of their Shelby Federal

LEE-DIRECT

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No. 1 Well in Eddy County, New Mexico?

A Yes, sir, I am.

Q I hand you Exhibit No. 1 and Exhibit No. 1-A. Will you please state to the Examiner what these are?

A These are well locations and acreage-dedication plats for the Southern Union Production Company, Shelby Federal No. 1, located in Section 13, Township 22 South, Range 24 East, Eddy County, New Mexico.

Q Does that show the acreage dedicated to the Atoka and the Strawn formations?

A Yes, sir, they do. The Exhibit 1 shows the 320-acre dedicated acreage to the Strawn which is perforated from 9094 feet to 9100 feet. Exhibit 1-A shows the acreage dedicated to the Atoka formation of 320 acres. The Atoka formation is perforated from 9467 feet to 9478 feet.

Q I now hand you what has been identified as Exhibit No. 2 and ask you to state what that is, please?

A This is a copy of the Application for multiple completion to the New Mexico Oil Conservation Commission by Southern Union Production Company for its Shelby Federal No. 1, located as previously stated.

Q Does that indicate that all offset operators have

LEE-DIRECT

been notified of the Application?

A Yes, it does.

Q Have you received any communications from any of those offset operators?

A No, sir, we have not; not to my knowledge.

Q I hand you what has been identified as Exhibits 3-A and 3-B and ask you to please state what those are?

A Exhibits 3-A and 3-B are copies of well-completion reports submitted to the U. S. Department of Interior Geological Survey. These sheets refer to the Southern Union Production Company, Shelby Federal No. 1, located in the southeast quarter of the northeast quarter of Section 13, Township 22 South, Range 24 East, Eddy County, New Mexico. Exhibit No. 3-A refers to the completion report on the Strawn interval which was perforated in 4 $\frac{1}{2}$ inch casing from 9094 feet to 9100 feet. The packer was set at 9336 feet with 2 and 3/8-inch tubing and ran to 9570 feet. The Atoka formation on Exhibit 3-B is perforated from 9467 feet to 9478 feet. These two zones are isolated by a packer at 9336 feet.

Q I hand you what has been identified as Exhibit No. 4 and ask you to please state what that is?

A Exhibit 4 is a copy of the open hole electric

log ran on the Shelby Federal No. 1. It is marked to indicate the completion zones in the Strawn at 9094 feet to 9100 feet and the Atoka from 9467 feet to 9478 feet.

Q I hand you what has been identified as Exhibit No. 5 and ask you to state what that is and describe to the Examiner what it reflects?

A Exhibit 5 is a copy of a diagrammatic sketch of the completion of the Shelby Federal No. 1. This exhibit shows the surface casing set at 355 feet which is 13 and 3/8-inch casing cemented with 350 sacks. The intermediate casing, 8 and 5/8-inch cemented with 1250 sacks of cement set at 3506 feet. The production casing, 4 1/2-inch set at 10,508 feet, cemented with 570 sacks of cement, the top of this cement being at 8440 feet. The well was completed in the Atoka at 9467 feet to 78 feet and in the Strawn from 9094 feet to 9100 feet. It has a packer set at 9336 feet which isolates the two zones, that being the Strawn on the upper and the Atoka on the lower.

Q Finally, I hand you what has been identified as Exhibit No. 6 and ask you to state, please, what that is?

A Exhibit 6 is a copy of a packer leakage test submitted to the Oil Conservation Commission. This test shows that there is no communication either up or down

across the packer set at 9336 feet.

Q Does that reflect that on April 14, 1975, this test was approved by a representative of the New Mexico Oil Conservation Commission?

A Yes, sir, it does.

Q Do you have any further comments about the dual completion? Is it a conventional one so far as you are concerned?

A Yes, sir, it is a conventional completion. The Atoka will be produced through the tubing from beneath the packer and the Strawn will be produced up the annulus above the packer.

MR. CAMPBELL: I have no further questions at this time, Mr. Examiner.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Lee, on your surface pipe that you cemented with 350 sacks, was that cement circulated?

A Sir, to my knowledge, I am not sure if it was because this was a re-entry well and that surface pipe was set by Getty Oil Company at the time the original well was drilled.

Q How about the intermediate pipe; do you know what

the top of the cement is on it?

A That was also set by Getty.

Q So, the only string of pipe that Southern Union ran was the 4 $\frac{1}{2}$ -inch production pipe?

A Yes, sir.

Q Now, this well is at an unorthodox location for a gas well. Has that previously been approved by the Commission?

A Yes, sir, it has.

Q What was the number on the approval order?

A I don't have that with me, sir.

Q Could you obtain that for us and let us know what that number was?

A I surely will.

MR. NUTTER: Are there any further questions of Mr. Lee? He may be excused.

(Witness dismissed.)

MR. NUTTER: Do you have anything further, Mr. Campbell?

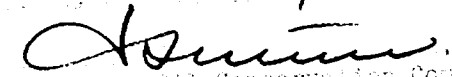
MR. CAMPBELL: No, Mr. Examiner.

MR. NUTTER: Does anyone have anything they wish to offer in Case No. 5456? We will take the Case under advisement.

STATE OF NEW MEXICO)
) SS.
COUNTY OF SANTA FE)

I, RICHARD L. NYE, Court Reporter, do hereby certify
that the foregoing and attached Transcript of Hearing
before the New Mexico Oil Conservation Commission was
reported by me, and the same is a true and correct record
of the said proceedings, to the best of my knowledge, skill
and ability.


COURT REPORTER

do hereby certify that the foregoing is
a true and correct record of the proceedings in
the case of *5456*
dated *4/16* *1975*
 Examiner
New Mexico Oil Conservation Commission

THE NYE REPORTING SERVICE
STATE-WIDE DEPOSITION NOTARIES
225 JOHNSON STREET
SANTA FE, NEW MEXICO 87501
TEL. (505) 982-0386



OIL CONSERVATION COMMISSION

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

May 6, 1975

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
PHIL R. LUCERO
MEMBER

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

Mr. Jack Campbell
Campbell & Bingaman
Attorneys at Law
Post Office Box 2208
Santa Fe, New Mexico

Re: CASE NO. 5456
ORDER NO. R-5005

Applicant:
Southern Union Prod.

Dear Sir:

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

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC X
Artesia OCC X
Aztec OCC

Other

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 5456
Order No. R-5005

APPLICATION OF SOUTHERN UNION
PRODUCTION COMPANY FOR A DUAL
COMPLETION, EDDY COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on April 16, 1975, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 6th day of May, 1975, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Southern Union Production Company, seeks authority to complete its Shelby Federal Well No. 1, located in Unit H of Section 13, Township 22 South, Range 24 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from undesignated Strawn and Atoka gas pools through the casing-tubing annulus and tubing, respectively.

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

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Southern Union Production Company, is hereby authorized to complete its Shelby Federal Well No. 1, located in Unit H of Section 13, Township 22 South, Range 24 East, NMPM, Eddy County, New Mexico, as a dual completion (conventional) to produce gas from undesignated Strawn and Atoka gas pools through the casing-tubing annulus and tubing, respectively.

-2-

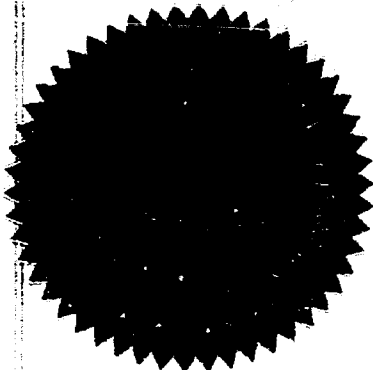
Case No. 5456
Order No. R-5005

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission 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 Gas Well Shut-In Pressure Test Period for Southeast New Mexico.

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

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



STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

I. R. Trujillo
I. R. TRUJILLO, Chairman

Phil R. Lucero
PHIL R. LUCERO, Member

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

S E A L

jr/

11
DRAFT

jr/

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CSH
[Signature]
CASE No. 5456

Order No. R-5005

all
APPLICATION OF SOUTHERN UNION PRODUCTION COMPANY
FOR A DUAL COMPLETION, EDDY COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on
April 16, 1967, at Santa Fe, New Mexico, before Examiner
Daniel S. Nutter.

NOW, on this May day of April, 1967, the Commission,
a quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required by
law, the Commission has jurisdiction of this cause and the subject
matter thereof.

(2) That the applicant, Southern Union Production Company,
seeks authority to complete its Shelby Federal
Well No. 1, located in Unit H of Section 13, Township

22 South, Range 24 East, NMPM, Eddy County, New
~~North~~ ~~West~~

Mexico, as a dual completion (conventional) ~~(combination)~~ ~~(unitless)~~ to produce gas ~~XXXX~~

undesignated
from ~~the~~ Strawn and Atoka gas pools ~~not~~ through the casing-
tubing annulus and tubing, respectively.

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

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Southern Union Production Company, is hereby authorized to complete its Shelby Federal Well No. 1, located in Unit H of Section 13, Township 22 ~~South~~ ^{North}, Range 24 ~~East~~ ^{West}, NMPM, Eddy County, New Mexico, as a dual completion (conventional) ~~(combination)~~ ^{xxix} to produce gas (subsurface) ~~(surface)~~ ^{undesignated} from ~~the~~ Strawn and Atoka gas pools ~~Pool~~ through the casing- tubing annulus and tubing, respectively.

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

PROVIDED FURTHER, that the applicant shall take ~~zone segregation~~ packer-leakage tests upon completion and annually thereafter during the Annual Gas Well ~~Shut-In Pressure~~ ^{Gas Well} ~~Gas-Oil Ratio Test Period~~ ^{for the} Southeast New Mexico ~~Pool~~ ^{Deliverability}.

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

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

RECEIVED
MAR 20 1975

MAR 20 1975

All distances must be from the outer boundaries of the Section.

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease SHELDY FEDERAL		Oil Conservation Comm. #1 OIL CONSERVATION COMM. #1	
Unit Letter H	Section 13	Township 22 South	Range 24 East	County Santa Fe Eddy	
Actual Portage Location of Well: 2310 feet from the North line and 990 feet from the East line					
Ground Level Elev. 3878	Producing Formation Atoka (Pennsylvanian) Wildcat			Dedicated Acres; 320 Acres	

- ☐ Yes ☒ No If answer is "yes," type of consolidation _____

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.

P-24 East

320 acres
Atoka Perfs

9467-9478

2310

990'

Section 13

REVISED

CERTIFICATION

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

Name Heil W. Weldon
Mgr., Drilling & Prod.

Position

Company

SOUTHERN UNION PRODUCTION CO.

Date: _____

August 24, 1973

I hereby certify that the location shown on this plan was taken from the notes of actual surveys made by me under my supervision and that the same is true and correct to the best of my knowledge and belief.

Over

1985

lyst, med det forbehold, at man
ser det som et spørgsmål

[illegible]

Case 5456

Southern Union Production plans to re-enter and drill deeper this well which was originally drilled by Getty Oil Company as their "Wilson Federal No. 1 well.

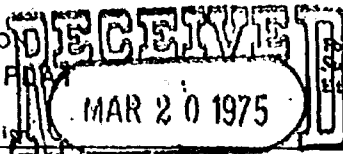
The well was originally spudded 12/1/67 and plugged 1/28/68.

Please see the original Survey Plat.

Unorthodox location approved by New Mexico Conservation Commission on August 23, 1973 with ORDER No. R-4618

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AUG 31 1973
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

NEW M. CO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION FORM



Form C-102
Supersedes C-128
Effective 1-1-55

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease SHELBY FEDERAL		Oil Conservation Comm. #1	
Unit Letter H	Section 13	Township 22 South	Range 24 East	County Eddy	Santa Fe
Actual Footage Location of Well: 2310 feet from the North line and 990 feet from the East line					
Ground Level Elev. 3878	Producing Formation Strawn (Pennsylvanian)		Perf Wildcat	Dedicated Acreage 320 Acres	

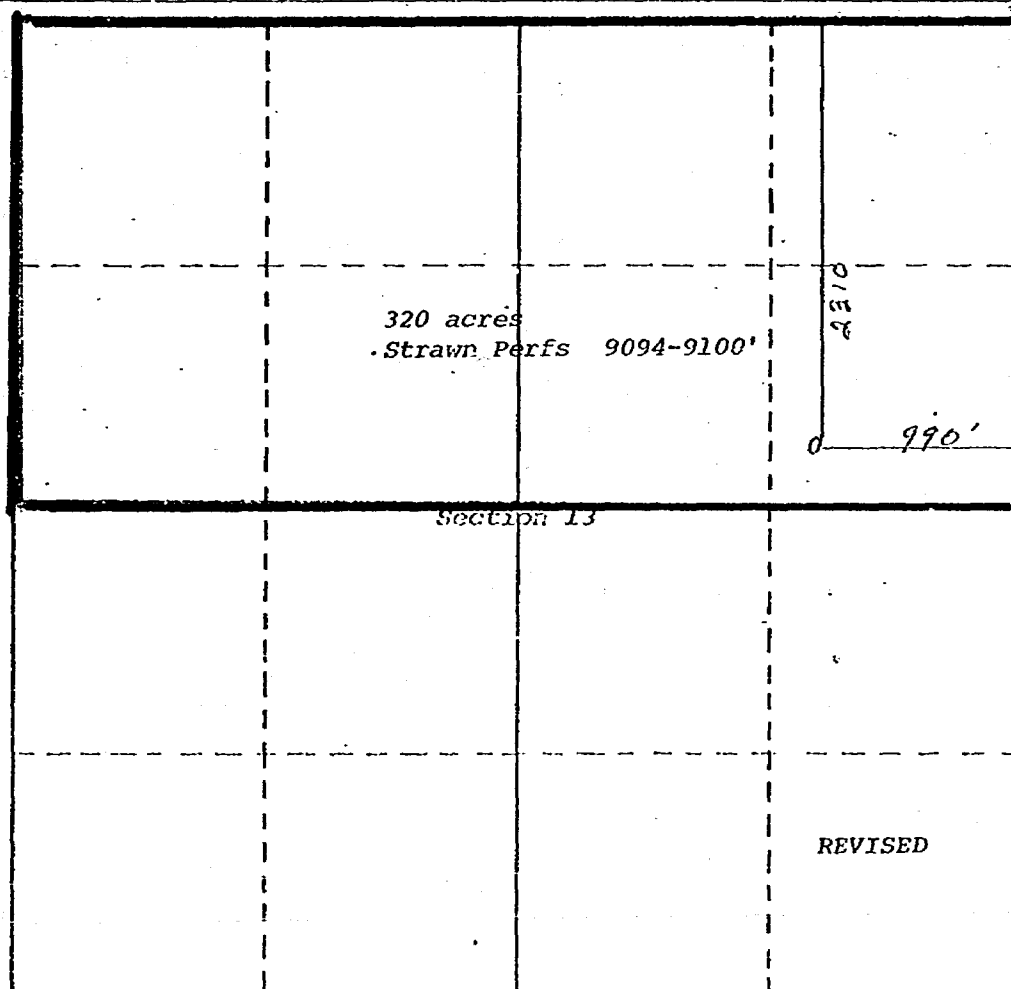
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 been consolidated. (Use reverse side of this form if necessary.) None

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.

R-24 East



CERTIFICATION

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

Name **Neil W. Weldon**
Mgr., Drilling & Prod.
Position

Company
SOUTHERN UNION PRODUCTION CO.
Date
August 24, 1973

I hereby certify that the information shown on this plat was prepared from notes of actual measurements made under my supervision and that the same is true and correct to the best of my knowledge and belief.

Over

Date Surveyor

Registered Professional Engineer or Geologist and Surveyor

Certificate No.

Township 22 South

Case 5456

Southern Union Production plans to re-enter and drill deeper this well which was originally drilled by Getty Oil Company as their "Wilson Federal No. 1 well.

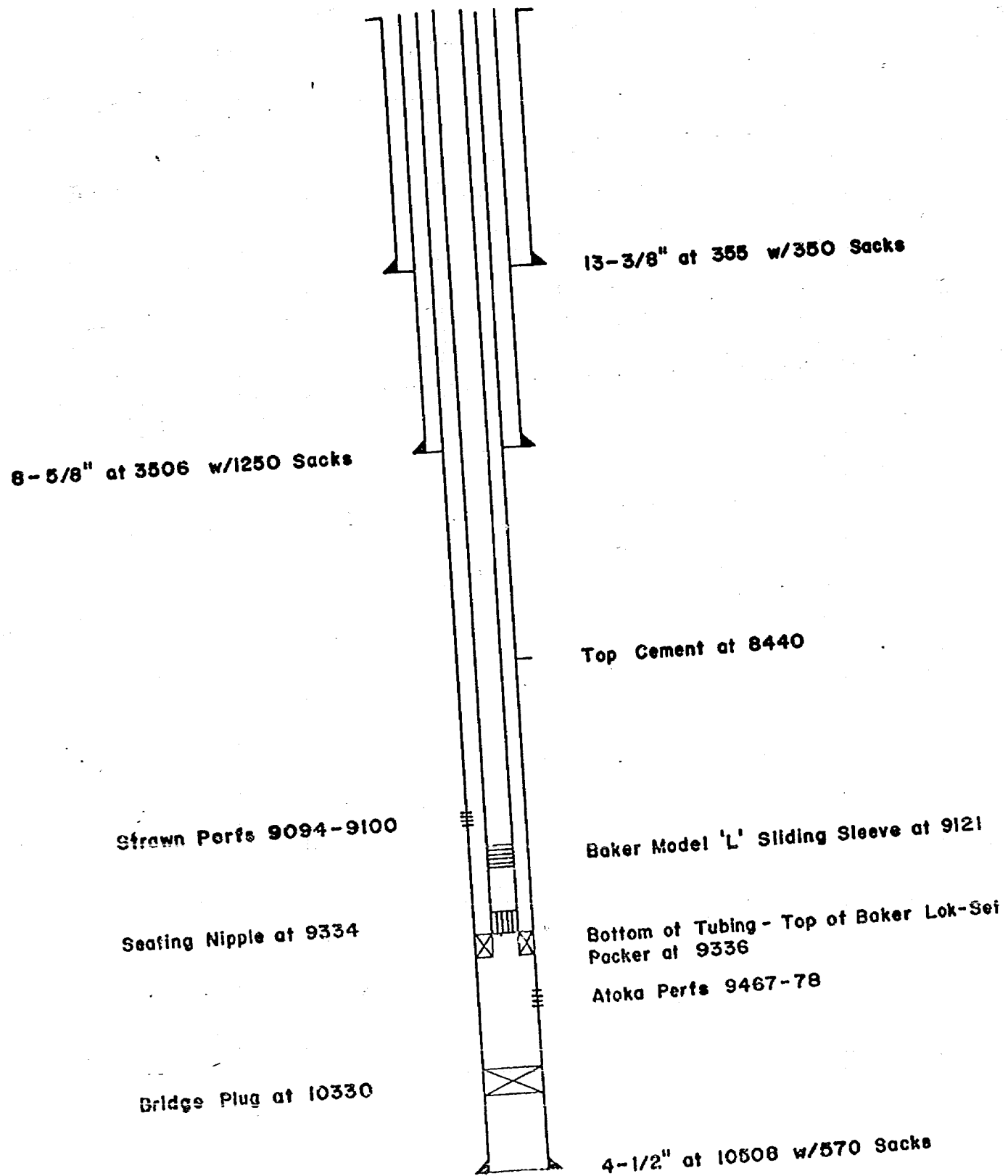
The well was originally spudded 12/1/67 and plugged 1/28/68.

Please see the original Survey Plat.

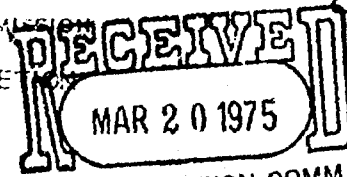
Unorthodox location approved by New Mexico Conservation Commission on August 23, 1973 with ORDER No. R-4618

RECEIVED
AUG 31 1973
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

SOUTHERN UNION PRODUCTION COMPANY *Case 5456*
Shelby Federal No. 1
SE NE Section 13, T-22-S, R-24-E
Eddy County, New Mexico



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



Case 5456
Form C-107
5-1-61

Operator Southern Union Production Company		County Eddy	Date March 14, 1975
Address 1700 Campbell Centre 8350 North Central Expressway, Dallas, Texas		Lease Shelby Federal	Well No. 1
Location of Well H	Unit 13	Section 75206	Township 22 South
		Range 24 East	

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 X
2. If answer is yes, identify one such instance: Order No. _____; Operator Lease, and Well No.: _____

3. The following facts are submitted:

	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Wildcat - Strawn		Wildcat-Atoka
b. Top and Bottom of Pay Section (Perforations)	9094-9100		9467-78
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 <input checked="" type="checkbox"/> | No <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 addresses.

<u>Phillips Petroleum Co.</u>	<u>Gulf Oil Company US</u>	<u>Marathon Oil Company</u>
<u>Phillips Bldg</u>	<u>P. O. Box 1150</u>	<u>P. O. Box 552</u>
<u>Odessa, Texas 79760</u>	<u>Midland, Texas 79701</u>	<u>Midland, Texas 79761</u>
<u>Franklin Aston & Fair</u>	<u>Northern Natural Gas</u>	
<u>P. O. Box 1090</u>	<u>401 Wall Towers West</u>	
<u>Roswell, New Mexico 88201</u>	<u>Midland, Texas 79701</u>	
<u>J. L. McClellan</u>	<u>W. C. Kimball</u>	
<u>P. O. Box 848</u>	<u>209 West Bldg.</u>	
<u>Roswell, New Mexico 88201</u>	<u>Midland, Texas 79701</u>	

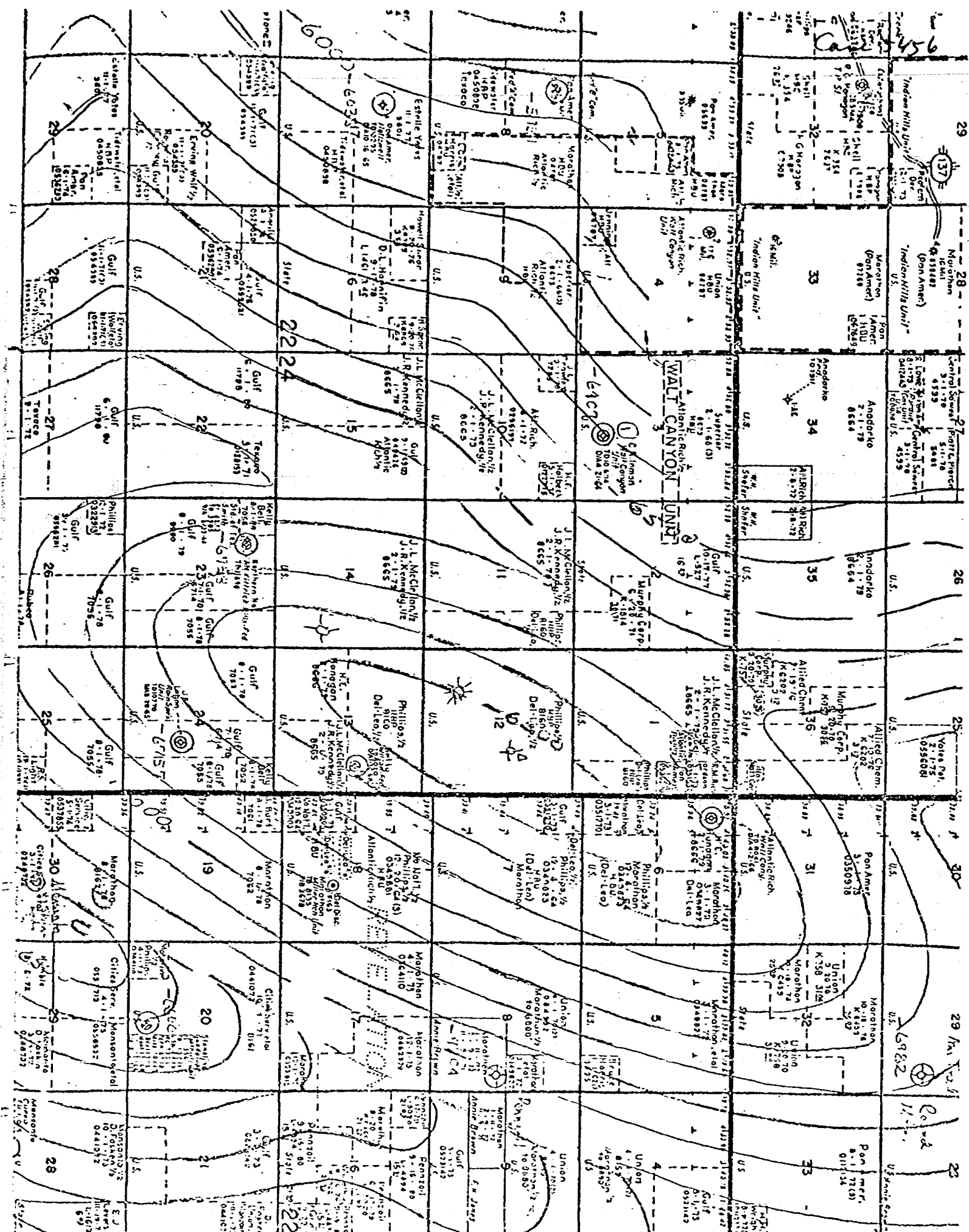
6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO _____. If answer is yes, give date of such notification March 14, 1975.

CERTIFICATE: I, the undersigned, state that I am the Operations Ass't of the Southern Union Production Company (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.

Lee M. [Signature]
Signature

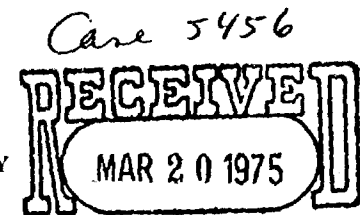
*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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.



SOUTHERN UNION PRODUCTION COMPANY

SUITE 1700, CAMPBELL CENTRE
8350 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75206



OIL CONSERVATION COMM.
Santa Fe

Heg-son

March 17, 1975

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

Gentlemen:

Attached please find, in duplicate, Form C-107, Application for Multiple Completion, for our Shelby Federal Number One Well located in H-13-22S-24E, Eddy County.

Until such time administrative approval is granted for multiple completion, the casing side, or Strawn zone, will remain shut-in and will not be produced.

It is requested that an allowable be set for the Atoka Zone as soon as possible, so that we may resume production.

Copies of Form C-107 were mailed to each offset operator listed on said form as notification.

Yours very truly,

Bill McKinney

Bill McKinney
Operations Asst., Drilling & Prod.

BMc/cmj

Enclosure

DOCKET MAILED

Date

3/26: McKinney called; requested this go for hearing on 4/16. Letter will confirm. CU

Dockets Nos. 10-75 and 11-75 are tentatively set for hearing on April 30, and May 14, 1975. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - APRIL 16, 1975

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

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

ALLOWABLE: (1) Consideration of the allowable production of gas from seventeen prorated pools in Lea, Eddy, Roosevelt and Chaves Counties, New Mexico, for May, 1975;

(2) Consideration of the allowable production of gas from five prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico, for May, 1975.

CASE 5415: (Continued from the March 19, 1975, Examiner Hearing)

Application of Burk Royalty Co., for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Double L Queen Unit Area, comprising 2670 acres, more or less, of Federal, State, and fee lands in Townships 14 and 15 South, Ranges 29 and 30 East, Chaves County, New Mexico.

CASE 5454: Application of Burk Royalty Co. for a waterflood project, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the Double L-Queen Pool, Chaves County, New Mexico, by the injection of water into the Queen formation through 17 wells located in Sections 23, 24, 25, and 36, Township 14 South, Range 29 East; Section 31, Township 14 South, Range 30 East; Sections 1 and 12, Township 15 South, Range 29 East, and Sections 6, 7, and 18, Township 15 South, Range 30 East.

CASE 5455: Application of Roger C. Hanks for the amendment of Order No. R-4158, as amended, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-4158, which, as amended, authorizes the disposal of produced salt water into the Devonian formation through 2 7/8-inch tubing set in a packer at approximately 10,000 feet via the perforated interval from 10,220 feet to 10,504 feet in his Monsanto Foster Well No. 1, located in Unit D of Section 5, Township 20 South, Range 25 East, Dagger Draw Area, Eddy County, New Mexico. Applicant proposes the amendment of said order to permit setting the packer at 6271 feet or in the alternative, to block squeeze said well from 4000 feet to 6500 feet and set said packer at approximately 4000 feet.

CASE 5456: Application of Southern Union Production Co. for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Shelby Federal Well No. 1, located in Unit H of Section 13, Township 22 South, Range 24 East, Eddy County, New Mexico, in such a manner as to produce undesignated Strawn and Atoka gas through the casing-tubing annulus and tubing, respectively.

CASE 5457: Application of Texaco Inc., for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of East Weir-Blinebry, Monument-Tubb, and Skaggs-Drinkard production in the wellbore of its M. B. Weir "B" Well No. 10, located in Unit P of Section 12, Township 20 South, Range 37 East, Lea County, New Mexico.

CASE 5219: (Reopened)

In the matter of Case 5219 being reopened pursuant to the provisions of Order No. R-4784, which order established temporary special pool rules for the South Empire-Wolfcamp Pool, Eddy County, New Mexico, including a provision for 80-acre spacing. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing.

CASE 5458: Application of Continental Oil Co. for two non-standard gas proration units and three unorthodox locations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the two following described non-standard gas proration units in Township 20 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico:

A 240-acre unit comprising the SW/4 and S/2 NW/4 of Section 15 to be dedicated to applicant's Britt "B" Well No. 3 at an unorthodox location in Unit L of said Section 15; and

A 280-acre unit comprising the SW/4 NW/4 and SW/4 of Section 10 and the N/2 NW/4 of Section 15 to be dedicated to applicant's Britt "B" Wells Nos. 15 and 25 located, respectively, at unorthodox locations in Units M of Section 10 and C of Section 15.

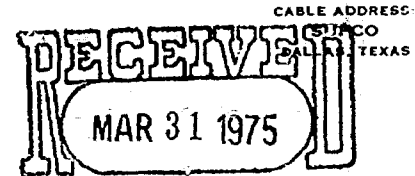
Case 5456

SOUTHERN UNION PRODUCTION COMPANY

SUITE 1700, CAMPBELL CENTRE
8350 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75206

WILLIAM S. JAMESON
SECRETARY AND
GENERAL ATTORNEY

March 26, 1975



OIL CONSERVATION COMM.
Santa Fe

New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Paul Ulvog

Re: Application for Multiple Completion
Southern Union Production Company Shelby Federal No. 1 Well
Section 13. T-22-S, R-24-E, Eddy County

Gentlemen:

This letter will serve to confirm our prior oral advice to you
that a hearing of the above application on April 16, 1975 will be
acceptable to us.

Very truly yours,

William S. Jameson

WSJ:sjh

cc: Mr. Jack Campbell
Campbell and Bingaman, P.A.
Post Office Box 2208
Santa Fe, New Mexico 87501

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Apr.

Operator Southern Union Production Co.			Lease Shelby		Well No. 1
Location of Well	Unit H	Sec 13	Twp 22	Rge 24	County Eddy
	Name of Reservoir or Pool		Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg. or Csg)
Upper Compl	Strawn		Gas	Flow	Csg.
Lower Compl	Atoka		Gas	Flow	Tbg.
					Choke Size
					3/4
					3/4

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 2/20/75

Well opened at (hour, date): 4:00 pm. 4/10/75

Indicate by (X) the zone producing..... X

Pressure at beginning of test..... 1577 2618

Stabilized? (Yes or No)..... yes

Maximum pressure during test..... 1577 2618

Minimum pressure during test..... 1577 710

Pressure at conclusion of test..... 1577 710

Pressure change during test (Maximum minus Minimum)..... -1908

Was pressure change an increase or a decrease?..... decrease

Well closed at (hour, date): 9:00 am. 4/11/75

Oil Production 3 bbls; Grav. 932 MCF; GOR 17 hrs.

During Test: 3 bbls; Grav. 932 MCF; GOR 17 hrs.

Remarks

FLOW TEST NO. 2

Well opened at (hour, date): 7:00 pm. 4/11/75

Indicate by (X) the zone producing..... X

Pressure at beginning of test..... 1577 2503

Stabilized? (Yes or No)..... yes

Maximum pressure during test..... 1577 2508

Minimum pressure during test..... 698 2503

Pressure at conclusion of test..... 698 2508

Pressure change during test (Maximum minus Minimum)..... -879 +5

Was pressure change an increase or a decrease?..... decrease increase

Well closed at (hour, date): 2:00 pm. 4/12/75

Oil Production 0 bbls; Grav. 300 MCF; GOR 19 hrs.

During Test: 0 bbls; Grav. 300 MCF; GOR 19 hrs.

Remarks Tests indicate no packer leak or communication between zones.

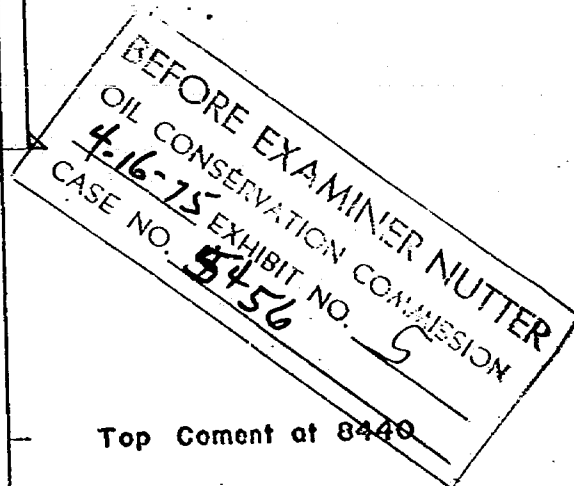
I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved APRIL -14 1975 Operator Southern Union Production Co.
New Mexico Oil Conservation Commission By Marshall Morris
By Scott Beaton Title

SOUTHERN UNION PRODUCTION COMPANY
Shelby Federal No. 1
SE NE Section 13, T-22-S, R-24-E
Eddy County, New Mexico

8-5/8" at 3506 w/1250 Sacks

13-3/8" at 355 w/350 Sacks



Top Cement at 8440

Strawn Perfs 9094-9100

Baker Model 'L' Sliding Sleeve at 9121

Sealing Nipple at 9334

Bottom of Tubing = Top of Baker Lok-Set
Packer at 9336

Atoka Perfs 9467-78

Bridge Plug at 10330

4-1/2" at 10500 w/570 Sacks

Form 8-330
(Rev. 6-63)

OPERATOR'S COPY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

2. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☒ PLUG BACK ☐ DIFF. DESVR. ☐ Other ☐ Re-Entry

3. NAME OF OPERATOR
SOUTHERN UNION PRODUCTION COMPANY

4. ADDRESS OF OPERATOR
Suite 1700, Campbell Centre

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2310 FNL and 990' FEL of Section 13, Township 22
South, Range 24 East in Eddy County, New Mexico
At top prod. interval reported below
At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPEUDED
9/12/73

16. DATE T.D. REACHED
10/24/73

17. DATE COMPL. (Ready to prod.)
12/28/73

18. ELEVATIONS (DP, RKB, ET, GR, ETC.)*
3878 G.L.

19. ELEV. CASINGHEAD
3878 G.L.

20. TOTAL DEPTH, MD & TVD
10,766

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*
1

23. INTERVALS
DRILLED BY
All

25. WAS DIRECTIONAL
SURVEY MADE
NO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Atoka 9467-78'

27. WAS WELL CORED
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction Elec 10728-7780, BR/Nuetron Acousti-Log 10,734-7794

Cmt BL 10,429-7974'

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FILLED
4-1/2"	13.50#	10,508	7-7/8"	570 SX reg.	

LINER RECORD					TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
20.					2-3/8"	9336' 9570
						9336'

31. PERFORATION RECORD (Interval, size and number)

Perf 9467 - 9478 2 shots/ft

RECEIVED

MAR 1 1974

U.S. GEOLOGICAL SURVEY

ARTESIA, NEW MEXICO

33. DATE FIRST PRODUCTION
Shut In

PRODUCTION METHOD (Flowing or shut-in)
By Flowing

WELL STATUS (Producing or shut-in)
Shut In

DATE OF TEST
1/3/74

HOURS TESTED
3

CHOKE SIZE
40/64

WATER—BBL.
114

FLOW, TUBING PRESS.
100#

CASING PRESSURE

CALCULATED
24 HRS RATE

WATER—BBL.
914 MCFPD

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Will be sold

CONSERVATION COMMISSION
EXHIBIT NO. 3-B
CASE NO. 5456

WATER—BBL.
914 MCFPD

TEST WINTERED, NOV 1974

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: *William D. Nelson*

TITLE: *Manager, Data & Production*

DATE: February 7, 1974

*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR'S COPY.

Form 9-338
(Rev. 4-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. N.M. 12828	
2. NAME OF OPERATOR Southern Union Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
3. ADDRESS OF OPERATOR Suite 1700, 8350 North Central Expressway Dallas, TX 75206		7. UNIT AGREEMENT NAME NA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2310' FNL & 990' FEL of Sec 13, T-22S, R-24E At top prod. interval reported below At total depth		8. FARM OR LEASE NAME Shelby Federal	
14. PERMIT NO.		9. WELL NO. #1	
DATE ISSUED		10. FIELD AND POOL OR WILDCAT Wildcat	
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 NE/4 Sec 13, T-22S, R-24E		12. COUNTY OR PARISH Eddy	
13. STATE New Mexico		15. DATE SPUNDED 9/12/73	
16. DATE T.D. REACHED 10/24/73		17. DATE COMPL. (Ready to prod.) 12/28/73	
18. ELEVATIONS (DF, RSB, RT, CR, ETC.)* 3878 GL		19. ELEV. CASINGHEAD 3878 GL	
20. TOTAL DEPTH, MD & TVD 10,766		21. PLUG, BACK T.D., MD & TVD	
22. IF MULTIPLE COMPL., HOW MANY? 2		23. INTERVALS DRILLED BY All	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Strawn 9094-9100'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Elec 10,728-7780, Cmt Bnd 10,429-7974, GRN Acoustic Log		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 4 1/2"	WEIGHT IN LB 13.50#	DEPTH SET (MD) 10,508	AMOUNT USED 7 7/8"
29. LINER RECORD			
SIZE 2 3/8	TOP (MD) 9570	BOTTOM (MD) 9336	PACKER SET (MD) 9336
30. TUBING RECORD			
31. PERFORATION RECORD (Interval, size and number) Perf 9094-9100 Strawn dually completed Strawn on 7.330 of 2-7-74			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 9094-9100 AMOUNT AND KIND OF MATERIAL USED w/3000 gals w/nitrogen			
33. PRODUCTION DATE FIRST PRODUCTION 2/12/75 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing DATE OF TEST 12/28/75 HOURS TESTED 3 CHOKE SIZE 1/4 PROD'N. FOR TEST PERIOD 370 MCFPD OIL—BBL. 400 MCFPD GAS—SCF. None WATER—BBL. None OIL—WATER RATIO None OIL—GAS RATIO None OIL—WATER RATIO (CORR.) None			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Southern Union Gas			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Baskett		TITLE Manager, Drilling & Prod.	
DATE February 27, 1975		DATE	

*(See Instructions and Spaces for Additional Data on Reverse Side)

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

Form C-107
5-1-61

Operator Southern Union Production Company		County Eddy	Date March 14, 1975
Address 1700 Campbell Centre 8350 North Central Expressway, Dallas, Texas		Lease Shelby Federal	Well No. 1
Location of Well H	Unit 13	Section 75206	Township 22 South
		Range 24 East	

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 X
2. If answer is yes, identify one such instance: Order No. _____; Operator Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Wildcat - Strawn		Wildcat-Atoka
b. Top and Bottom of Pay Section (Perforations)	9094-9100		9467-78
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.

Phillips Petroleum Co. Phillips Bldg Odessa, Texas 79760	Gulf Oil Company-US P. O. Box 1150 Midland, Texas 79701	Marathon Oil Company P. O. Box 552 Midland, Texas 79761
Franklin Aston & Fair P. O. Box 1090 Roswell, New Mexico 88201	Northern Natural Gas 401 Wall Towers West Midland, Texas 79701	
J. L. McClellan P. O. Box 848 Roswell, New Mexico 88201	W. C. Kimball 209 West Bldg. Midland, Texas 79701	

6. Were all operators listed in item 5 above notified and furnished a copy of this application? YES X NO _____. If answer is yes, give date of such notification **March 14, 1975**.

I, the undersigned, state that I am the **Operations Ass't** of the **Southern Union Production Company** (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.

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
CASE NO. **5452**
EXHIBIT NO. **2**

[Signature]
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 production unit in connection of

NE CO OIL CONSERVATION COMMISS.
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-55

All distances must be from the outer boundaries of the Section.

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease SHELBY FEDERAL		Well No. #1
Unit Letter H	Section 13	Township 22 South	Range 24 East	County Eddy
Actual Footage Location of Well: 2310 feet from the North line and 990 feet from the East line				
Ground Level Elev. 3878	Producing Formation Strawn (Pennsylvanian) Wildcat		Dedicated Acreage: 320 Acres	

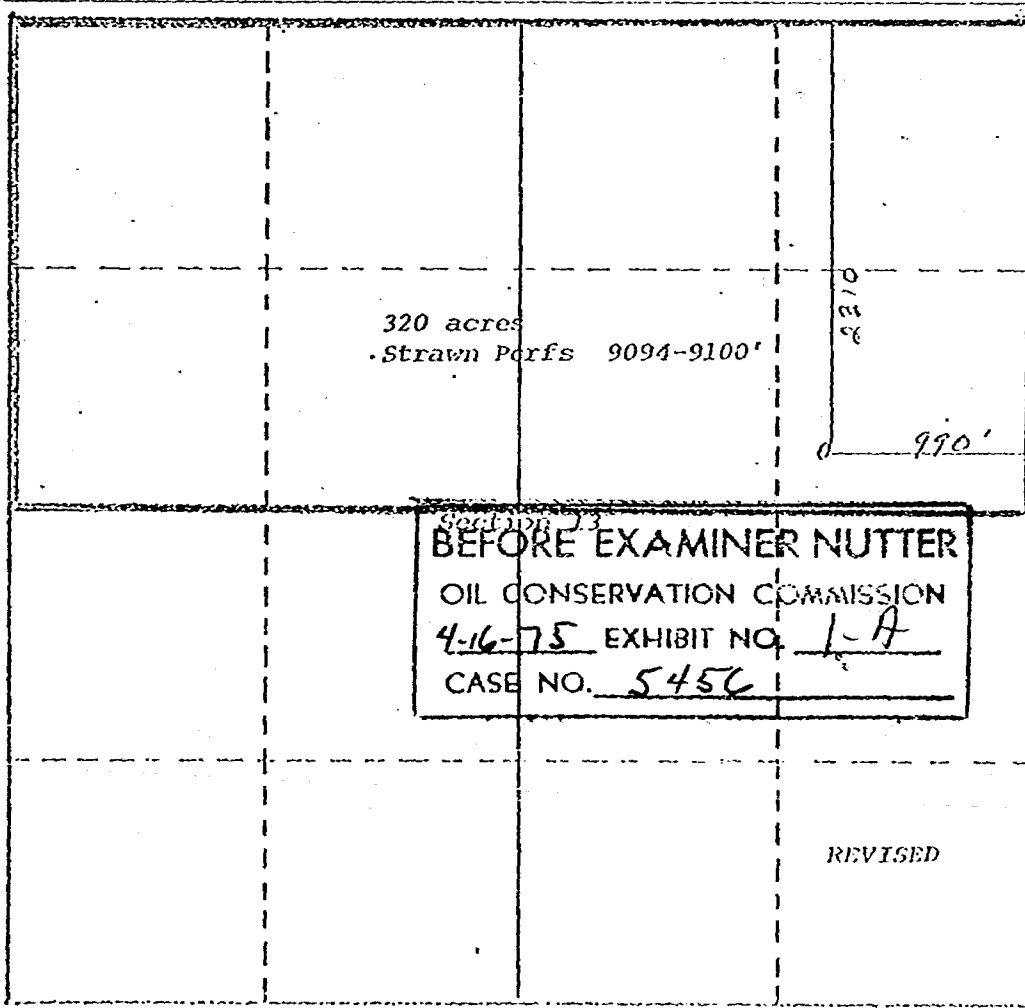
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 been consolidated. (Use reverse side of this form if necessary.) NONE

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.

R-24 East



CERTIFICATION

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

Neil W. Weldon
Name **Neil W. Weldon**
Position **Mgr., Drilling & Prod.**

Company
SOUTHERN UNION PRODUCTION CO.
Date
August 24, 1973

I hereby certify that the information shown on this plat was prepared from notes of actual surveying under my supervision and that the same is true and correct to the best of my knowledge and belief.

Over

Date Surveyed

By **Neil W. Weldon**
an Oil and Gas Surveyor

State of Texas

CAMPBELL AND BINGAMAN, P.A.

ATTORNEYS AT LAW

JACK M. CAMPBELL
JEFF BINGAMAN

POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87501
TELEPHONE (505) 988-4486

April 16, 1975

Mr. Dan Nutter, Examiner
New Mexico Oil Conservation Commission
New Mexico State Land Office Building
Santa Fe, New Mexico 87503

Re: Case No. 5456, Application of Southern Union Production
Company for a dual completion of its Shelby Federal Well
No. 1, Eddy County, New Mexico.

Dear Dan:

At the hearing on the captioned matter on this date you
requested us to furnish you with an Order number authorizing
the unorthodox location for this well.

This is to advise you that our records reflect that the
unorthodox location was approved by the Commission on August
23, 1973, by its Order No. R-4618. This well was originally
drilled by Getty Oil Company and was at one time known as
their Wilson Federal No. 1 Well.

I trust this is the information you required.

Very truly yours,



Jack M. Campbell

JMC/kj

NE CO OIL CONSERVATION COMMISS.
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-55

All distances must be from the outer boundaries of the Section.

Operator SOUTHERN UNION PRODUCTION COMPANY		Lease SHELBY FEDERAL		Well No. #1
Unit Letter H	Section 13	Township 22 South	Range 24 East	County Eddy
Actual Footage Location of Well: 2310 feet from the North line and 990 feet from the East line				
Ground Level Elev. 3878	Producing Formation Strawn (Pennsylvanian)		Perforations Wildcat	Dedicated Acreage: 320 Acres

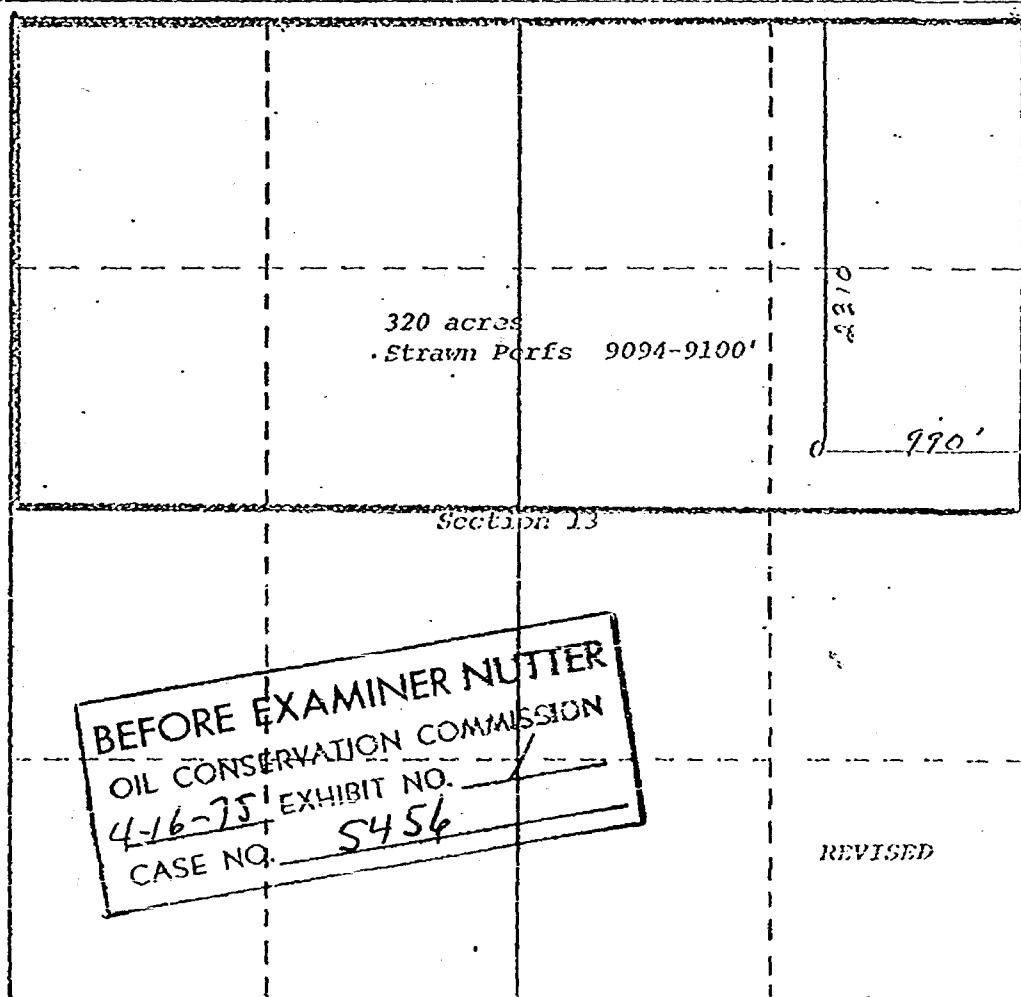
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, 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 been consolidated. (Use reverse side of this form if necessary.) None

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

R-24 East



CERTIFICATION

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

Name Neil R. Weldon
Mgr., Drilling & Prod.

Position

Company

SOUTHERN UNION PRODUCTION CO.

Date

August 24, 1973

I hereby certify that the information shown on this plat was prepared from notes of actual survey and that the same is true and correct to the best of my knowledge and belief.

Over

Date Surveyed

By the Surveyor and the Engineer or the Land Surveyor

Signature