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

C#SE/10. 5456

Application,

Transcripts,

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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.

GASE NO. 54-56

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT_OF HEARING

APPEARANCES

For the New Mexico Oil Conservation Commission: William F. Carr, Esc.
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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JERRY L. LEE	
Direct Examination by Mr. Campbell Cross Examination by Mr. Nutter	3 8

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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

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

Page 6

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?
- 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 Nc. 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

LEE-DIRECT

log ray 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.

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, 41-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.

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.

CASE	5456

STATE OF NEW MEXICO)

OUNTY 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

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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

Man Vanla O'amuka 11	Re: C	ASE NO.	54	¥56
Mr. Jack Campbell Campbell & Bingaman	0	RDER NO.	R-50	005
Attorneys at Law Post Office Box 2208	A	pplicant:		
Santa Fe, New Mexico	_	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 sen	t to:
Hobbs OCC _	X	
Artesia OCC _	х	
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, Chairman

PHIL R. LUCERO, Member

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

SEAL

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: 5456 CASE No. Order No. R-5005 APPLICATION OF SOUTHERN UNION PRODUCTION COMPANY DUAL COMPLETION, EDDY FOR A NEW MEXICO. ORDER OF THE COMMISSION BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on April 16 , 195 75, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter NOW, on this ____day of Appel __, 198<u>75</u>, 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. $\frac{1}{}$, located in Unit $\frac{H}{}$ of Section $\frac{13}{}$, Township East, NMPM, Eddy County, New South Range 24 (conventional) XXXXX Mexico, as a dual completion (WMMXXMXXXM) to produce gas (&&&XK&X&&X) undesignatul from the Strawn and Atoka gas pools through the casingtubing annulus and tubing, respectively.

- (3) That the mechanics of the proposed <u>dual</u> 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. $\frac{1}{}$, located in Unit $\frac{H}{}$ of Section $\frac{13}{}$, Township
22 South, Range 24 East, NMPM, Eddy County, New West, NMPM,
Mexico, as a dual completion (conventional) xsitx Mexico, as a dual completion (combination) to produce gas (tutsingles) from the Strawn and Atoka gas pools point 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 packer-leakage tests upon completion and annually thereafter during the Annual Gas, Well Shut-in Pressure

Gas Oil Ratio Test Period for the Southeast New Mexico Pooi.

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.

Case 5456

WELL LOCATION AND ACREAGE DEDICATION Loaso SOUTHERN UNION PRODUCTION COMPANY SHELDY FEDERAL fi1 Founship Section 22 South 24 East Eddy Н 13 Actual Pastage Leastien of Well; feet from the Ground Ligvel Elev. Dedicated Acreage: Atoka (Pennsylvanian) Wildcat 3878 320 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 122 % 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 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 Commis-R-24 East CERTIFICATION I hereby certify that the information contoined herein is true and complete to the Heldon Mgr., Drilling & Prod. Position 320 acres 9467-9478 Atoka Perfs Company COUTHERN UNION PRODUCTION CO. 990' Section 1.3 notes of actual sufferies wind out the state of the is true and correct to the best of riy knowledge and belief. Over REVISED Beat terest to be reten if finance : an for Line I Borveyer

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NEW M. . CO OIL CONSERVATION COMMISS

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

AUGS 1 1973

U. S. GEOLOGICAL SURVEY
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SOUTHERN U	NION PRODUCTI		Lease SHELBY FE	***************************************	OIL CONSERVA	TION COMM.
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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.

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Please see the original Survey Plat.

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

AUG3 1 1973

L. S. GEOLOGICAL SURVEY

NATESIA, NEW LIEUTO

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

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

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

Top Cement at 8440

Strawn Parts 9094-9100

Seating Nipple at 9334

Baker Model 'L' Sliding Sleeve at 9121

Bottom of Tubing - Top of Baker Lok-Sei Packer at 9336

Atoka Perts 9467-78

Bridge Plug at 10330

4-1/2" at 10508 w/570 Sacks

NEW MEXICO OIL CONSERVATION COMMUNICATION
NEW MEXICO OIL CONSERVATION COMMESSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETE
APPLICATION FOR BUILTIN F COMPLETION

Form C-107 S-1-61

OIL CONSERVATION COMM. Operator Salma Fe March 14, 1975 Eddy Southern Union Production Company Address Well No. 1700 Campbell Centre 7 Dallas, Texas 8350 North Central Expressway, Shelby Federal 75206 Township Location 22 South of Well 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 2. If answer is yes, identify one such instance: Order No. ; Operator Lease, and Well No.:

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	9094-9100	er in de generale de la companya de An .	9467-78
(Perforations)		·	Gas
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing	•	Flowing

The f	ollowi	ng	are attached. (Please check YES or NO)
Yes	No		
		a.	Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, central izers 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
Č)		ь.	Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresse of operators of all leases offsetting applicant's lease.
X		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.*
		d.	Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation in digated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-4.

Phillips Petroleum Co.	Gulf Oil Company US Marathon Oil Company
Phillips Bldg	P. O. Box 1150 P. O. Box 552
Odessa, Texas 79760	Midland, Texas 79701 Midland, Texas 7976
Franklin Aston & Fair	Northern Natural Gas
P. O. Box 1090	401 Wall Towers West
Roswell, New Mexico 88201	Midland, Texas 79701
J. L. McClellan	W. C. Kimball
P. O. Box 848	209 West Bldg.
Roswell, New Mexico 88201	Midland, Texas 79701

CERTIFICATE: I, the undersigned, state that I am the <u>Operations Ass't</u> of the <u>Southern Union Production</u>

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.

*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 protation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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MAR 2 0 1975

OIL CONSERVATION COMM.
Santa Fe

SOUTHERN UNION PRODUCTION COMPANY

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

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

Operations Asst., Drilling & Prod.

BMc/cmj

Enclosure

DOCKET MAILED

Date

3/26: McKinney called; requested this go for bearing 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 1075 Applications for hearing must be filled at least 22 days in 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

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

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

(Continued from the March 19, 1975, Examiner Hearing) Application of Burk Royalty Co., for a unit agreement, Chaves
County New Movice Applicant in the above-etyled cauce con County, New Mexico. Applicant, in the above-styled cause, seeks CASE 5415:

approval for the Double L Queen Unit Area, comprising 2670 acres, approval for the bouble L queen unit Area, comprising 20/0 acres note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and fee lands in Townships 14 note or less, of Federal, State, and State, Chaves County, New Mexico, and 15 South, Ranges 29 and 30 East, Chaves County, New Mexico, and 15 South, Ranges 29 and 30 East, Chaves County, Ranges 29 note or less, Ranges 20 note or less,

Application of Burk Royalty Co. for a waterflood project, Chaves County, New Mexico. Applicant, in the above-styled cause, secks 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 CASE 5454: 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

Application of Roger C. Hanks for the amendment of Order No. R-4158, Application of Roger C. names for the amendment of order No. Applicant, in the above-styled as amended, Eddy County, New Mexico. Applicant, in the above-styled as amended, Eddy County, New Mexico. Applicant, In the above-style 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 CASE 5455: feet in his Monsanto Foster Well No. 1, located in Unit D of Section teet in his monsanto roster well No. 1, located in unit b 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

Application of Southern Union Production Co. for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks at approximately 4000 feet. approval for the dual completion (conventional) of its Shelby Federal approval for the qual completion (conventional) of its one py regeral Well No. 1, located in Unit H of Section 13, Township 22 South, Range well No. 1, located in unit is of Section 13, lowinging 22 South, is 24 East, Eddy County, New Mexico, in such a manner as to produce Last, Eddy County, New Mexico, in such a manner as to produce undesignated Strawn and Atoka gas through the casing-tubing annulus CASE 5456: 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.

Care 5456

SOUTHERN UNION PRODUCTION COMPANY

WILLIAM S. JAMESON SECRETARY AND GENERAL ATTORNEY SUITE 1700, CAMPBELL CENTRE 8350 NORTH CENTRAL EXPRESSWAY DALLAS, TEXAS 75206

March 26, 1975

MAR 31 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,

Milliam 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

Operator Southern Union Production	Leas	e Shelby Color	, l	ell
Location Unit H Sec 13	Twp 22	Rge 24	County	lo. 1 Eddy
Name of Reservoir or Pool	Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Thg or Csg)	Choke Size
Upper Compl Strawn	Gas	Flow	Csg.	3/4
Lower	Gas	Flow	Tbg.	3/4
Compl Atoxa	FLON TEST			
n de la	-			
Both zones shut-in at (hour, date):			Upper Completion	Lower
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Pressure at beginning of test				2010
Stabilized? (Yes or No)	A	38 4 4 . 1943 · · · · ·	1577	2618
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Minimum pressure during test	:	•	•	710
Pressure at conclusion of test			•	
Pressure change during test (Maximum m	·			<u>-1908</u>
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During Test: 3 bbls; Grav	; During T	est932	MCF; GOR	
	FLOW TEST N	0. 2		
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Approved APRIL -14 1. New Mexico Oil Conservation Commission	o 75	Operator Souther By Typeson	_	_
New Mexico of Conservation Conscission	٠	Bright Laft (1867)	RESERVE Y TONG	5161

Title

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

13-3/8" at 355 w/350 Sacks 0-5/8" at 3506 1/1250 Sacks Top Coment at 8440 Strawn Porto 9094-9100 Baker Model 'L' Sliding Sleeve at 9121 Scating Nipple at 9334 Bottom of Tubing - Top of Baker Lok-Set Packer at 9336 Atoka Perts 9467-78 Bridge Plug at 10330 4-1/2" at 10508 14/570 Sacks

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N' MEXICO OIL CONSERVATION COMMISS Q SANTA FE, NEW MEXICO 'APPLICATION FOR MULTIPLE COMPLETION

Form C-107 5-1-61

Operator				County		Date		
•	Southern Union Pr	oduction Compar	ıy		eddy .	Narch 14, 1975		
Acdress	1700 Campbell Centre				 	Well No.		
	8350 North Centra		allas	s, Texas	Shelby Federal		1	
Location	Unit	Section 7	206	fownship		Range		
ol Vell	H	13		22 Sc	outh		24 East	
1. Has th	e New Mexico Oil Conserv	ration Commission her	ctolore	authorized	the multiple completion of	a well	in these same pools or in the sack	
	within one mile of the sub							
					; Operator Lease, and	Well 1	No.:	
			-					
3. The fo	llowing facts are submitted	· · · · · · · · · · · · · · · · · · ·	per	·	Intermediate	- 1	Lower	
<u> </u>			ne		Zone		Zone	
	me of Pool and Formation	Wildcat	- 501	Cawn			Wildcat-Atoka	
-	and Bottom of	9094-91	00	' '		- 1	9467-78	
	Pay Section	3094-91	.00			. [. 9407 76	
	Perforations)				<u> </u>		Gas	
	pe of production (Oil or Gas	s) Gas	· 				Gas	
	hod of Production	Flow	no			1	Flowing	
	Flowing or Attificial Life)			!				
	mowing are attached. (Pies	tse check res of NO			•		•	
斧	No .					,.		
							meters and setting depths, central- intervals, tubing strings, including	
-14							er information as may be pertinent.	
					ase, all offset wells on offs	et lea	ses, and the names and addresses	
ra l		l leases offsetting ap			ah affaar anararar ar ia lieu	theree	of evidence that said offcat onusa.	
		ng to such multiple controls of the			en ouset operator, or in neo	Hereo	of, evidence that said offset opera-	
	d. Electrical los of	the well or other acc	entable	log with t	ops and bottoms of produci	ng zon	es and intervals of perforation in-	
	dicated thereon. ((If such log is not ava	ilable a	at the time	application is filed, it shall	be sub	mitted as provided by Rule 112-A.	
5. List a	Il offset operators to the le	ease on which this we	ll is lo	cated toge:	her with their correct mailing	g addr.	ss.	
Phi	llips Petroleum Co) ,			Gulf Oil Company US	!1	arathon_Oil_Company	
	llips Bldg				P. O. Box 1150		. O. Box 552	
	ssa, Texas 79760	·		1	Midland, Texas 797	01	udland, Texas 79761	
	•	•	•					
Fra	nklin Aston & Fair				Northern_Natural_Ga	S		
P_{\bullet}	O. Box 1090			4	101 Wall Towers Wes	t		
Ros	well, New Mexico	88201		<i>l</i>	Midland, Texas 797	01		
		•	•	7	•			
	L. McClellan				V.C. Kimball			
	O. Box 848				209 West Bldg.			
	well, New Mexico				Midland, Texas_797			
			turnish	ed a copy o	of this application? YES_	<u> </u>	O Il answer is yes, give	
	Esuch notification Ma	itch 14, 1975					•	
BE	IPICATE: A the undersign		. 0	noration	ac heelf .f.t		outhern Union Production	
/ Qib	BADA TELAT INC UNDERSIGN	State that I am the	1 222 2	where all	13 133 L of the	C	and that this report was prepared	
Ander Dix	supcivision and direction of	nd that the facts state	ed there	in are true	, correcy and complete to the	best 9	of my knowledge.	
	16-70 ATION	Wurmin			11,600		<u> </u>	
CASE	CO CO	Alder ER		•	//////		· 1	
	NO	7"351ON /		. L	by said company to make this, correctly and complete to the	777	5-161	
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*Should w	airers from all offset out	stats not accompany o	n appli	cation for	administrative approval, the	New .	Mexico Oil Conservation Correiss	
sion will	half the ambiention for	secretary of interests (20)	dere to	con date at	treated by the Commission	e Saut	a Fe affice. If ofter sold tacerts -	
eay bein	ia, no proiest par request j	in remain in received	ey the	Santa Le d	office, the application will t	пен се	processed.	

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

Poim C-102 Supersedes C-128 Effective 1-1-53

Chetatat			Le front tie outer bo		he Section		-	Well No.
SOUTHERN Unit Letter	UNION PRODUC	TION COMPANY Township	SHELBY FA	DERAL		•		#1
B	23	22 South	24 Eas	i l	County Eddy		•	•
keiusi Festage Le	ecotton of Well:			L				
2310	foot from the	North Inc.	790	feet	from the	Fast	,	ltne
Ground Lignet Elev 3878	1 · · · · · · · · · · · · · · · · · · ·	Tumbun Strawn (Pennsylv	Perl' anian)vildeat	<u>.</u>	•	Ē	Design 320	ted Acresses
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2. If more to interest a	than one lease is and royalty).	s dedicated to the v different ownership unitization, force-po	vell, outline each	i and iden	tify the o	ownership ti	hercof	(both as to workin
	<u>~</u>	answer is "yes;" typ	<i>₹</i> ,	on		- the state of the	, and the same of	
this form No allowa	if necessary.) ble will be assig	o owners and tract do Jione gred to the well until e) or until a non-stand R-24 Ea	all interests have lard unit, elimin	re heen co	nsolidat	ed (by coni	muniti:	zation, unitization
WARRING STRING		CANCEL PLANTING VICE OF THE CONTRACTOR	 	· · · · · · · · · · · · · · · · · · ·			CERT	IFICATION
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CAMPBELL AND BINGAMAN, P.A.

ATTORNEYS AT LAW

JACK M. CAMPBELL

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

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

	· All distances must by	from the outer boundaries of	the Section.	
potates SOUTHERN UNION PRODUC	TION COMPANY	SHELBY FEDERAL		well tio.
nit Letter Section	Township	Renge	County	1/4
. Н 23	22 South	24 East	Eddy	•
erual Featage Lecertan of Welt:				
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tound Lignet Elevia Producing 1	Etmanna Strawn (Pennsylva	(Perli nian)viidoat	•	Designated Acreage:
		_ 		
1. Outline the acreage dedi	cated to the subject i	zen på coroteg henert o	r hachure marks on th	re plat below.
2. If more than one lease	is dedicated to the we	II, outline each and ide	ntify the ownership t	hereof (both as to working
interest and royalty).			. •	•
3. Il more than one lease of			have the interests of	all owners been consoli-
dated by communitization,	, unitization, force-poo	ling. etc?		
Yes XX No II	answer is "yes," type	of consolidation		
If answer is "no," list th	e owners and tract des	criptions which have ac	tually been consolid	ated. (Use reverse side of
this form if necessary.)				
No allowable will be assign				
forced-pooling, or otherwis	c)or until a non-standa	ed whit, climinating suc	h interests, has been	approved by the Commis-
sion.	R-24 Eas	<u> </u>		
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		·		ncil W. Weldon
		.	Mgr., D	rilling & Prod.
1	320 acres	4-9100	Position	
	Strawn Porfs 909	4-9100	Company	
i			GOUTHER	N UNION PRODUCTION
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