

NORTHWEST PIPELINE CORPORATION

PRODUCTION & DRILLING
3539 East 30th Street
Farmington, New Mexico 87401

4320-PD-124-88

November 11, 1988

NMOCC
Attn: Bill LeMay
310 Old Santa Fe Trail
Room #206
Santa Fe, NM 87503

Re: Unorthodox Location - Rosa Unit #221

Dear Mr. LeMay:

Northwest Pipeline requests permission to drill a Fruitland well on an unorthodox location due to the original survey of Sec. 18, T31N, R5W. The W/2 of Sec. 18 is approximately 1200' wide making it impossible to maintain the 790' offsets required in the new Fruitland Pool Rules. In addition, an archeological conflict exists immediately south of the proposed location, preventing the movement from the north line another 160'. Northwest Pipeline is the only operator in the Rosa Unit thus no notification of offset operators is being done.

Attached is a plat and topo map.

Sincerely,

Mike J. Turnbaugh

Mike J. Turnbaugh
Sr. Engineer

MJT/ch
attach

*- Needs NSP agreement to Rule 6
- 12/1/88 NSL location looks O.K.*

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

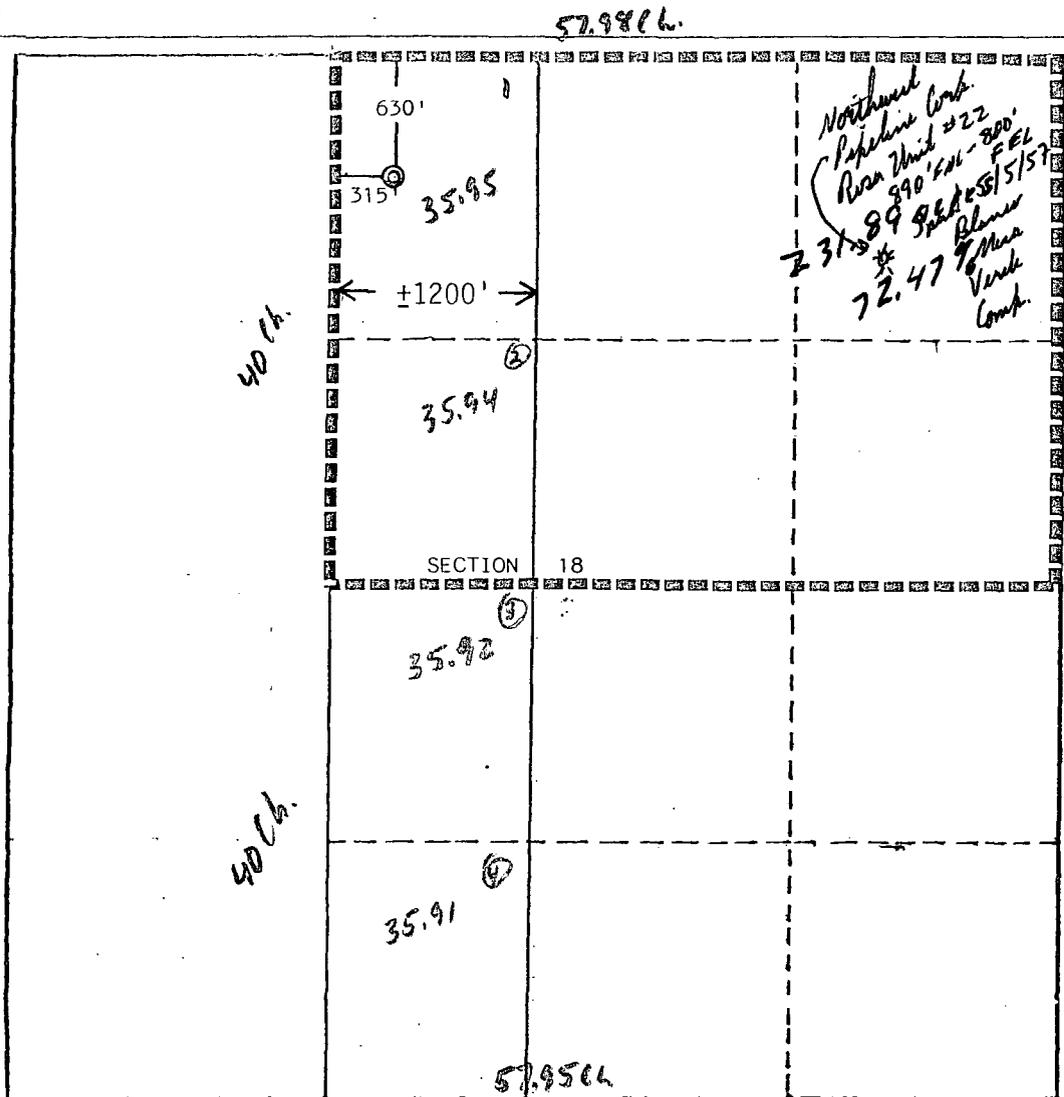
Operator Northwest Pipeline Corporation			Lease Rosa Unit			Well No. 221		
Unit Letter C	Section 18	Township 31 North		Range 5 West	County Rio Arriba			
Actual Postage Location of Well: 630 feet from the North line and 315 feet from the West line								
Ground Level Elev. 6355	Producing Formation Fruitland		Pool Basin Fruitland Pool			Dedicated Acreage: 231.89 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 communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation unitization

If answer is "no," list the owners and tract descriptions which have actually been 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 Division.



E/L CERTIFICATION

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

Mike J. Turnbaugh
Name
Mike Turnbaugh
Position
Senior Engineer
Company
Northwest Pipeline Corp.
Date
11-4-88

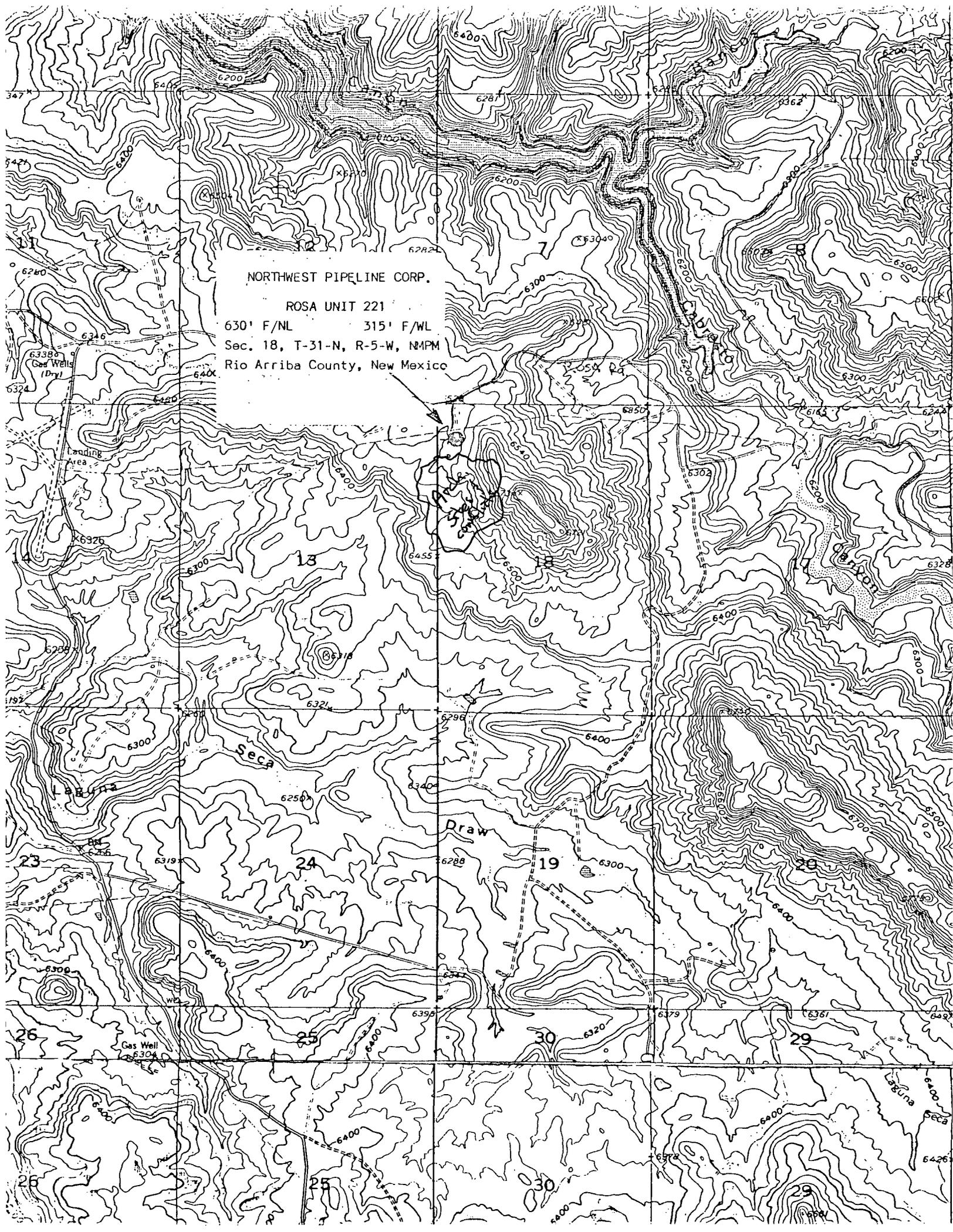
I hereby certify that the location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Edgar L. Risenhoover
Date Surveyed
October 3, 1988
Registered Professional Engineer and/or Land Surveyor
Edgar L. Risenhoover
Certificate No. 5979
Edgar L. Risenhoover, L.S.

NORTHWEST PIPELINE CORP.

ROSA UNIT 221

630' F/NL 315' F/WL
Sec. 18, T-31-N, R-5-W, NMPM
Rio Arriba County, New Mexico



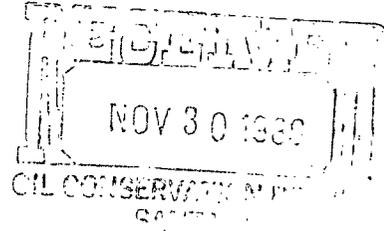


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501



DATE 11-23-88

- RE: Proposed MC _____
- Proposed DHC _____
- Proposed NSL X _____
- Proposed SWD _____
- Proposed WFX _____
- Proposed PMX _____

MSP &

Gentlemen:

I have examined the application dated 11-17-88
 for the NORTHWEST PIPELINE ROSA UNIT #221 C-18-31N-501
 Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

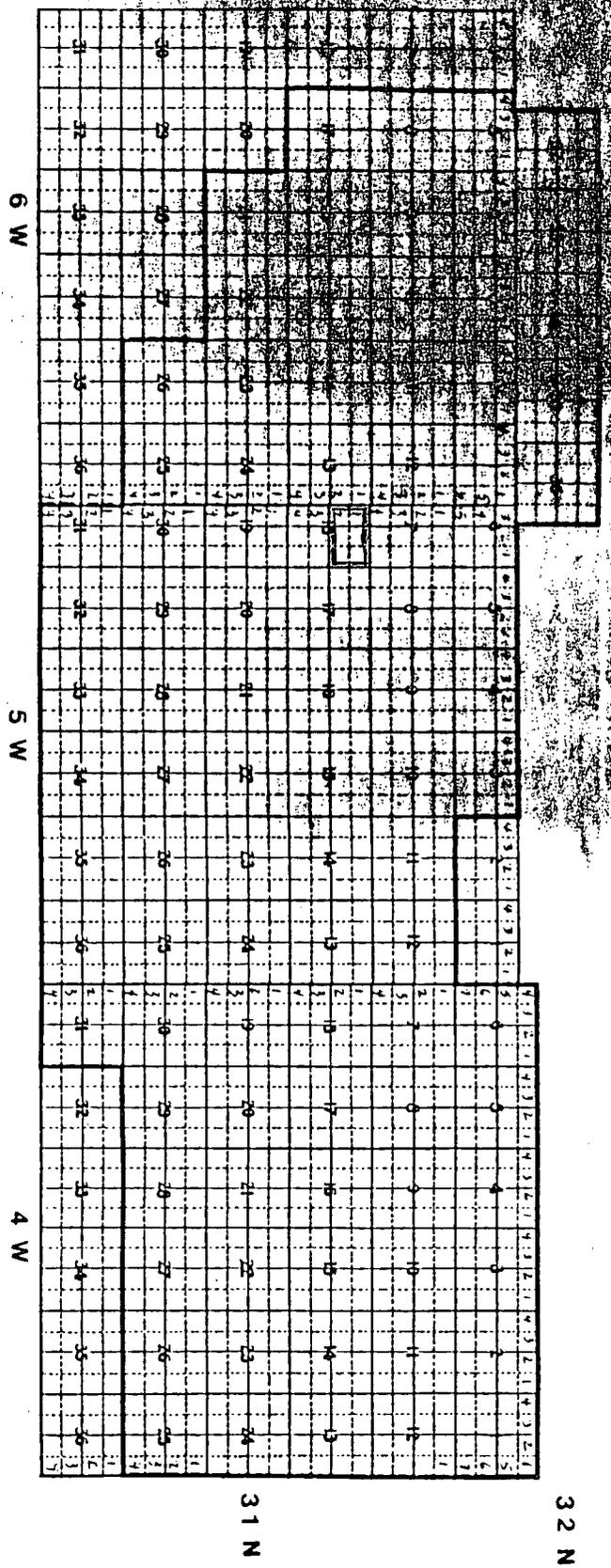
[Signature]

ROSA

RIO ARRIBA & SAN JUAN COUNTIES
NEW MEXICO

SEC. No. 587

EFFECTIVE 6-24-48



11.87



gulram inc.

Survey, engineering and government registration consultants

ROSA UNIT

San Juan and Rio Arriba Counties, New Mexico

Order No. 759. Approving Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, Dated April 22, 1948.

Note: Present Operator of Unit: Pacific Northwest Pipeline (August, 1959.)

The Application of Stanolind Oil and Gas Company, Petitioner, for an Order of Approval of proposed Rosa Area Unit Agreement, the Unit Area of which embraces 54,209.49 acres, more or less, in Township 31 North, Ranges 4, 5, and 6 West and Township 32 North, Range 6 West, in the Counties of San Juan and Rio Arriba, New Mexico.

CASE NO. 133 Order No. 759

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 10:00 o'clock a.m. April 22, 1948, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this the 22nd day of April, 1948, the Commission having before it for consideration the testimony and other evidence adduced at the hearing of said case and the application of petitioner and being fully advised in the premises:

FINDS that the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste, and that such plan is fair to the royalty owners and other interest owners;

IT IS THEREFORE ORDERED:

That the order herein shall be known as the:

"ROSA UNIT AGREEMENT ORDER"

SECTION 1. That the project herein shall be known as the Rosa Unit Agreement and shall hereinafter be referred to as the Project.

SECTION 2. That the plan by which the Project shall be operated shall be embodied in the form of unit agreement for the development and operation of the Rosa Unit Area referred to in the petitioner's application and as finally submitted to the Commission in definite written form at a part of the testimony adduced at said hearing of April 22, 1948; and such plan shall be known as the Rosa Unit Agreement Plan.

SECTION 3. That the Rosa Agreement Plan shall be and shall remain in force as a proper conservation measure, and that notwithstanding any of the provisions contained in said Unit Agreement, this approval of said Unit Agreement shall be considered as waiving and satisfying all conditions, covenants, duties or obligations which are hereinafter...

or may hereafter be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Rosa Unit Agreement or relative to the production of oil and gas therefrom.

SECTION 3. (a) That the Unit area shall consist of: NEW MEXICO PRINCIPAL MERIDIAN, NEW MEXICO, (San Juan and Rio Arriba Counties)

TOWNSHIP 31 NORTH, RANGE 4 WEST

Sections 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31: All

TOWNSHIP 31 NORTH, RANGE 5 WEST

Sections 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36: All

TOWNSHIP 31 NORTH, RANGE 6 WEST

Sections 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24, 25, 26: All

TOWNSHIP 32 NORTH, RANGE 6 WEST

Sections 32, 33, 34, 35, 36: All total unit area 54,209.49 acres more or less.

(b) That the Unit area may be enlarged or diminished as provided in said plan.

SECTION 4. That the unit operator shall file with the Commission an executed original, or executed counterparts thereof, of the Rosa Unit Agreement not later than 30 days after the effective date thereof.

SECTION 5. That any party owning rights in the unitized substances who does not commit such rights to said Unit Agreement before the effective date thereof may thereafter become a party thereto by subscribing to such Agreement or a counterpart thereof in the manner and with the effect therein expressly provided. The unit operator shall file with the Commission within 30 days thereafter an original of any such counterpart.

SECTION 6. That the order herein shall become effective as of the first day of the calendar month next following the approval of said Unit Agreement by the Commissioner of Public Lands and the Secretary of the Interior of the United States, and it shall terminate ipso facto upon the termination of said Unit Agreement. The last unit operator shall immediately notify the Commission in writing of any such termination.

Dec. 1, 1988

- Talked w/ ~~Richard~~ Mike

Turnbough concerning
these filings, will
submit NSP's.

- Also # 241 to set for
hearing.

- #222 is being withdrawn
all is standard.

#221

NORTHWEST PIPELINE CORPORATION

PRODUCTION & DRILLING
P.O. BOX 90
FARMINGTON NEW MEXICO 87499
4320-PD-127-88

Rec. 12/22/88

December 6, 1988

NMOCD
Attn: Mike Stogner
310 Old Santa Fe Trail
Room #206
Santa Fe, NM 87503

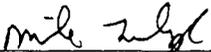
Dear Mr. Stogner:

In reference to the Rosa Unit #231 unorthodox location (SW/4 Sec. 31, T31N, R5W). Northwest Pipeline is the operator of both the San Juan 30-5 and San Juan 31-6 Units, thus no notification of offset operators is needed.

Also enclosed for your review are the "Applications for Non-Standard Proration Units" of the Rosa wells: 209, 210, 218, 219, 220, 221, 223, 225, 226, 227, 228, 230, 231, 233, 236, 237, 238, 239, 240 & 241.

All the offset operators outside the Rosa Unit have been notified where necessary, via certified mail and those letters are also attached.

Sincerely,



Mike Turnbaugh
Senior Engineer

MJT/ch

c.c. to E. Busch 1/10/89

NORTHWEST PIPELINE CORPORATION

PRODUCTION & DRILLING
P.O. BOX 90
FARMINGTON, NEW MEXICO 87499
4320-PD-133-88

December 7, 1988

NMOCD
Attn: Bill Lemay
310 Old Santa Fe Trail
Room #206
Santa Fe, NM 87503

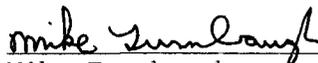
Re: Application for Non-Standard
Gas Proration Unit
Rosa Unit #221
NW/4 Sec. 18, T31N, R5W ✓
Dedicated Acreage: 231.89 (N/2)

231.89 / 320 =
72.47%

Dear Mr. Lemay:

Northwest Pipeline Corporation requests permission to produce the above captioned well as a Non-Standard Gas Unit. The unorthodox size of this unit is necessitated by a variation in the legal subdivision of the U.S. Public Land Survey. The offset operators have been notified where applicable of our intentions by certified mail and they will forward any objections directly to your office. Copies of these letters along with the receipts for certified mail are enclosed.

Sincerely,



Mike Turnbaugh
Senior Engineer

MJT/ch

ROSA UNIT

San Juan and Rio Arriba Counties, New Mexico

Order No. 759, Approving Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, Dated April 22, 1948.

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CASE NO. 133
Order No. 759

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 10:00 o'clock a.m. April 22, 1948, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this the 22nd day of April, 1948, the Commission having before it for consideration the testimony and other evidence adduced at the hearing of said case and the application of petitioner and being fully advised in the premises:

FINDS that the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste, and that such plan is fair to the royalty owners and other interest owners;

IT IS THEREFORE ORDERED:

That the order herein shall be known as the:

"ROSA UNIT AGREEMENT ORDER"

SECTION 1. (a) That the project herein shall be known as the Rosa Unit Agreement and shall hereinafter be referred to as the Project.

(b) That the plan by which the Project shall be operated shall be embraced in the form of unit agreement for the development and operation of the Rosa Unit Area referred to in the petitioner's application and as finally submitted to the Commission in definitive revised form as a part of the testimony adduced at said hearing of April 22, 1948; and such plan shall be known as the Rosa Unit Agreement Plan.

SECTION 2. That the Rosa Agreement Plan shall be and is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said Unit Agreement, this approval of said agreement shall not be considered as waiving or relinquishing in any manner any rights, duties or obligations which are now

or may hereafter be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Rosa Unit Agreement or relative to the production of oil and gas therefrom.

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TOWNSHIP 31 NORTH, RANGE 4 WEST

Sections	1,	2,	3,	4,	5,	6,	7,	8,
	9,	10,	11,	12,	13,	14,		
	15,	16,	17,	18,	19,	20,		
	21,	22,	23,	24,	25,	26,		
	27,	28,	29,	30,	31:	All		

TOWNSHIP 31 NORTH, RANGE 5 WEST

Sections	3,	4,	5,	6,	7,	8,	9,	10,
	11,	12,	13,	14,	15,	16,		
	17,	18,	19,	20,	21,	22,		
	23,	24,	25,	26,	27,	28,		
	29,	30,	31,	32,	33,	34		
	35,	36:				All		

TOWNSHIP 31 NORTH, RANGE 6 WEST

Sections	1,	2,	3,	4,	5,	8,	9,	10,
	11,	12,	13,	14,	15,	16,		
	17,	21,	22,	23,	24,	25,		
	26:					All		

TOWNSHIP 32 NORTH, RANGE 6 WEST

Sections	32,	33,	34,	35,	36:	All
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total unit area 54,209.49 acres more or less.

(b) That the Unit area may be enlarged or diminished as provided in said plan.

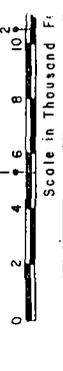
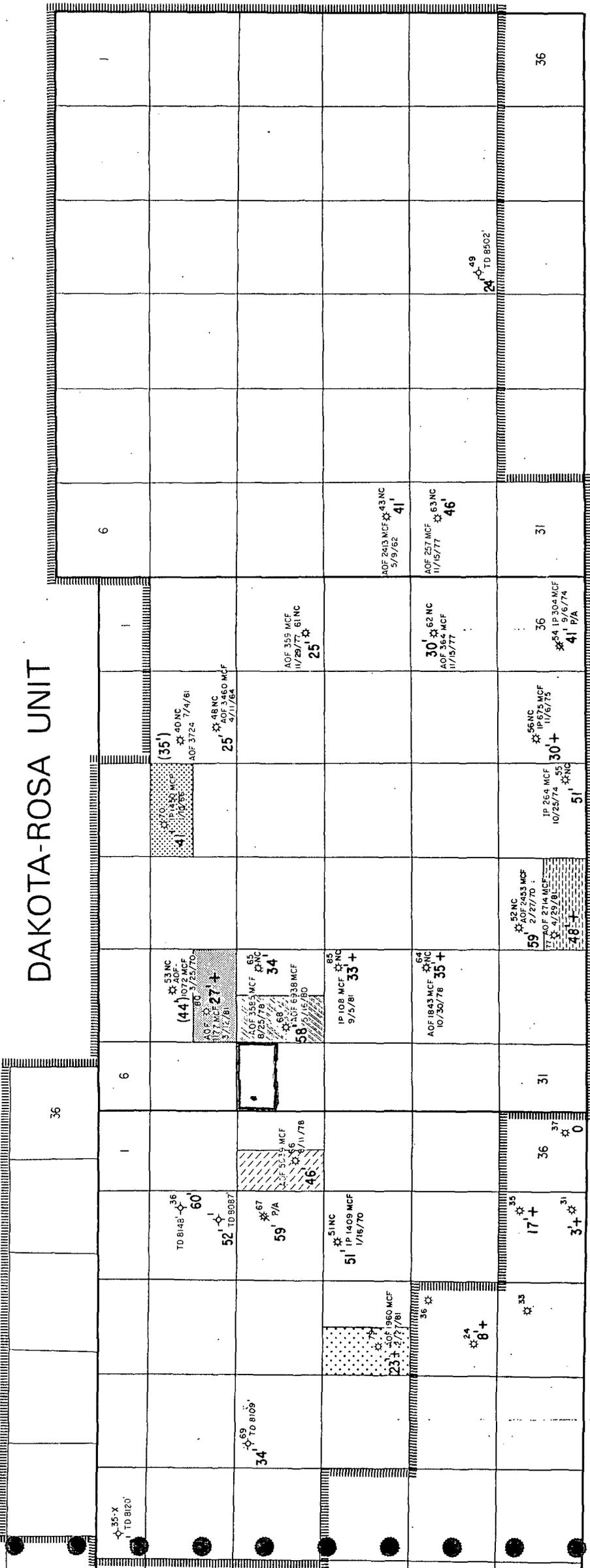
SECTION 4. That the unit operator shall file with the Commission an executed original, or executed counterparts thereof, of the Rosa Unit Agreement not later than 30 days after the effective date thereof.

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SECTION 6. That the order herein shall become effective as of the first day of the calendar month next following the approval of said Unit Agreement by the Commissioner of Public Lands and the Secretary of the Interior of the United States, and it shall terminate ipso facto upon the termination of said Unit Agreement. The last unit operator shall immediately notify the Commission in writing of any such termination.

Case File #133

E



RESERVES AND EVALUATION
NORTHWEST PIPELINE
 DAKOTA - ROSA UNIT
 SAN JUAN, RIO ARriba CC
GROSS SAND THICKI
 Middle Dakota Sand
 40 OHMS Cut-Off
 (44') From Gamma - Neutr

Compiled: K.C. Bowman / C. Hurst
 Drafting: M.B. Andersen
 Date: _____
 Revised: _____

R 4 W

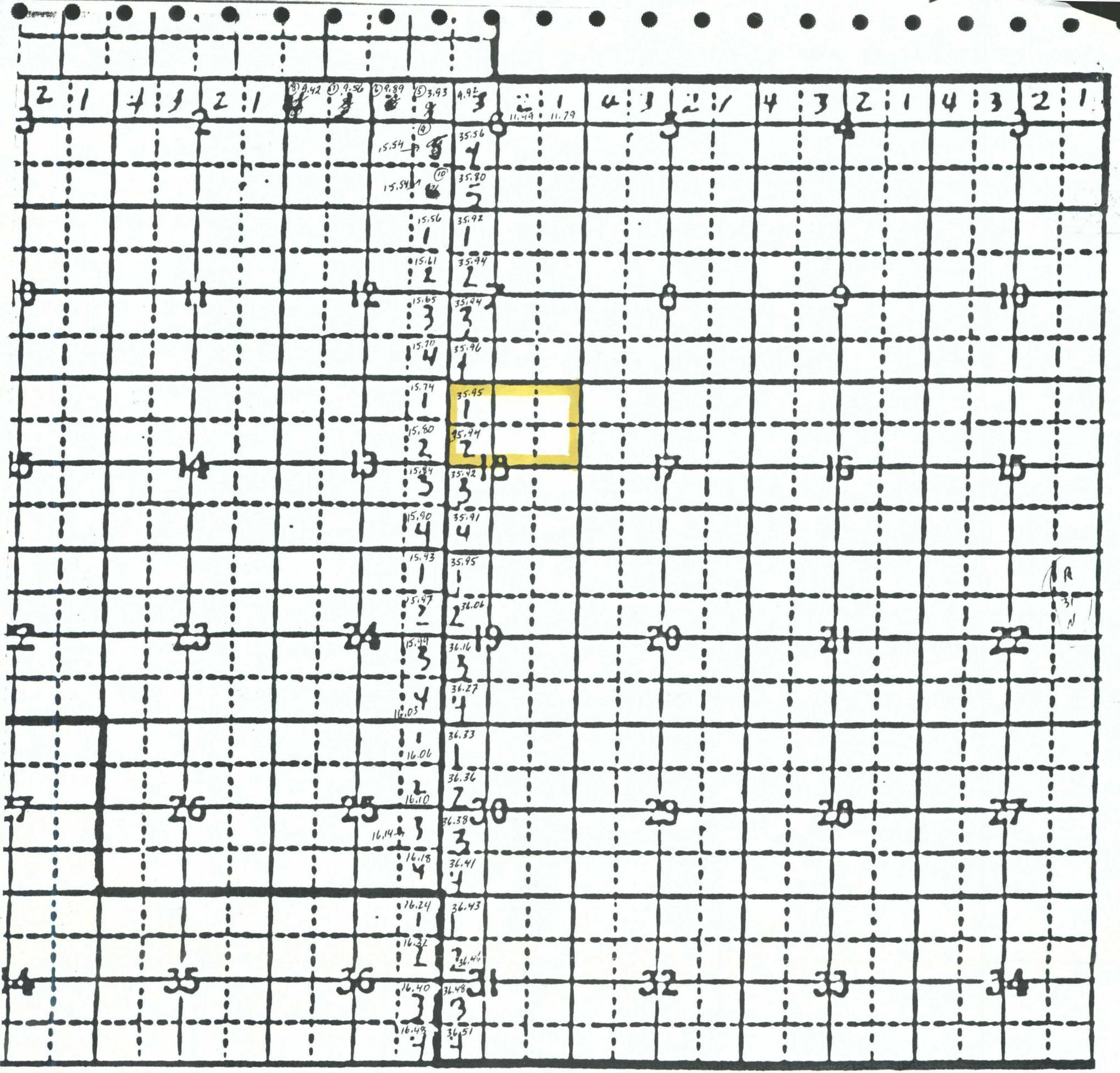
R 5 W

R 6 W

- Initial Dakota Participating Area Effective 1-10-66
- First Expansion of the Dakota Participating Area; Effective Date 9-1-78
- Second Expansion of the Dakota Participating Area; Effective Date 6-1-80
- Third Expansion of the Dakota Participating Area; Effective Date 3-1-81
- Fourth Expansion of the Dakota Participating Area; Effective Date 4-1-81
- Fifth Expansion of the Dakota Participating Area; Effective Date 5-1-81

no other wells in Unit

Production
 Abandoned
 and
 Wells



T6W

T5W

5 W

160.00
 35.95
35.94
 231.89

