



APR 5 1984

**Sun Exploration and  
Production Company**  
Four NorthPark East  
5656 Blackwell  
P O Box 2880  
Dallas TX 75221-2880  
214 890 6000

SPECIAL RULES AND REGULATIONS  
NATURAL GAS PRICING ACT SECTION 6  
ADMINISTRATIVE EXEMPTION PROCEDURE

RULE 1(b) SUN EXPLORATION & PRODUCTION COMPANY'S, FORMERLY SUN OIL COMPANY, NEW MEXICO FEDERAL -N- WELL NO. 5F IS AN INFILL WELL IN THE BASIN-DAKOTA GAS POOL AS PER CASE NO. 6533, ORDER NO. R-1670-V.

RULE 5 PLAT SHOWING PRORATION UNITS IN SECTION 7 T30N R12W, LOCATION OF THE WELLS THEREON, AND THE OWNERSHIP AND LOCATION OF ALL WELLS ON DIRECT OR DIAGONALLY OFFSETTING PRORATION UNITS.

RULE 7(a) COPY OF ORDER NO. R-1670-V FOR BASIN-DAKOTA GAS POOL.

RULE 8 DOCUMENTATION AS TO DATES OF DRILLING AND/OR FIRST SALE OF GAS FOR SUN'S NEW MEXICO FEDERAL -N- WELL NO. 5F

SUN EXPLORATION AND PRODUCTION COMPANY RESPECTFULLY REQUESTS THE APPLIED FOR EXEMPTION BE RETROACTIVE TO July 27, 1982.

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SIGNED: Charles A. Gray  
CHARLES A. GRAY

DATE: March 2, 1984


TITLE: CONSERVATION REPRESENTATIVE

C E R T I F I C A T I O N  
NEW MEXICO INTRASTATE  
NATURAL GAS PRICING ACT SECTION 6  
RULE 7(c)

I HEREBY CERTIFY THAT SUN EXPLORATION & PRODUCTION COMPANY'S, FORMERLY SUN OIL COMPANY, NEW MEXICO FEDERAL-N- WELL NO. 5F THE ORIGINAL/EXISTING WELL ON THE REFERENCED PRORATION UNIT, HAS NOT HAD FROM DATE OF FIRST DELIVERY OF GAS, AND SHALL NOT HAVE ITS ABILITY TO PRODUCE INTO THE PIPELINE RESTRICTED BY THE OPERATOR BY ANY AFFIRMATIVE MECHANICAL ACT, SUCH AS UNREASONABLY CLOSING-IN, CHOKING DOWN OR INTENTIONALLY DAMAGING THE WELLBORE FOR THE PURPOSE OF RESTRICTING THE ABILITY OF THE WELL TO PRODUCE INTO THE PIPELINE.

SUN EXPLORATION AND PRODUCTION CO.  
(OPERATOR)

SUBSCRIBED AND SWORN TO THIS 2nd DAY OF MARCH, 1984,  
BY: T. E. Maxwell (T. E. MAXWELL)  
NORTHERN REGION MANAGER PRODUCTION OPERATIONS

  
NOTARY PUBLIC

MY COMMISSION EXPIRES

October 1, 1985

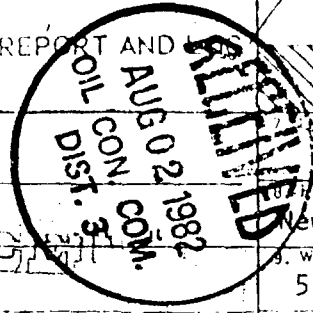
OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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WELL COMPLETION OR RECOMPLETION REPORT AND

5a. Indicate type of Lease  
State  Fee

5. State Oil & Gas Lease No.



1. TYPE OF WELL

OIL WELL  GAS WELL  GUY  OTHER

2. TYPE OF COMPLETION

NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.

3. Name of Operator

SUN EXPLORATION & PRODUCTION COMPANY

4. Unit Agreement Name

6. Farm or Lease Name

New Mexico Federal "N"

7. Well No.

5F

10. Field and Pool, or Wildcat

Basin Dakota

4. Location of Well

2525 N. W. Expressway, Oklahoma City, OK, 73112

5. SECTION P LOCATED 1000 FEET FROM THE South

6. RANGE EAST LINE OF SEC. 7 TWP. 30N RGE. 12W

11. County

San Juan

7. Date C. drilled

4/23/82

8. Date T.D. reached

5/7/82

9. Date Compl. (Ready to Prod.)

7/27/82

18. Producers (DF, RRB, RT, GR, etc.) 19. Elev. Casinghead

5923 GR

5924

10. Total Depth

6900'

21. Plug Back T.D.

6853

22. If Multiple Complet., How Many

23. Intervals Drilled By

X

24. Cable Tools

14. Producing Interval(s) of this completion - Top, Bottom, Name

6592-692' Dakota

ILLEGIBLE

25. Was Directional Survey Made

Yes

15. Type Electric and Other Logs Run

CNL - GR- CL, CBL- VDL- GR CL

27. Was Well Cored

No

20. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|------------------|---------------|
| 8 5/8"      | 24#            | 351'      | 12 1/4"   | 275 SX           |               |
| 4 1/2"      | 10.5#          | 6900'     | 7 7/8"    | 1825 SX          |               |

21. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|------|-----|--------|--------------|--------|
|      |     |        |              |        |

22. TUBING RECORD

| SIZE  | DEPTH SET | PACKER SET |
|-------|-----------|------------|
| 2 3/8 | 6791'     | 6550'      |

23. Perforation Record (Interval, size and number)

Single shots, 3 3/8" DML Densi Jet XIX (27 Holes)  
6692, 6690, 6688, 6684, 6682, 6680, 6678, 6674, 6672,  
6670, 6668, 6666, 6664, 6662, 6654, 6651, 6614, 6612,  
6610, 6606, 6604, 6602, 6600, 6596, 6594, 6592.

24. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED  |
|----------------|--------------------------------|
| 6592'-692'     | 1500 gal 15% NECH 1 & 40 Balls |
|                | 1400 gals in foam 1, Frac w/89 |
|                | gals 1/F400 + 10000#100 Mesh S |
|                | +165000# 20-40 SD + 98 Tons C  |

25. PRODUCTION

|                                  |                        |  |                         |                   |                   |                                      |                      |
|----------------------------------|------------------------|--|-------------------------|-------------------|-------------------|--------------------------------------|----------------------|
| Date First Production<br>7/27/82 |                        | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing |                         |                   |                   | Well Status (Prod. or Shut-in)<br>SI |                      |
| Date of Test<br>7/27/82          | Hours Tested<br>3 Hrs  | Choke Size<br>48/64  | Prod'n. For Test Period | Oil - Bbl.<br>0   | Gas - MCF<br>2410 | Water - Bbl.<br>0                    | Gas - Oil Ratio<br>0 |
| Flow Tubing Press.<br>167        | Casing Pressure<br>230 | Calculated 24-Hour Rate  | Oil - Bbl.<br>0         | Gas - MCF<br>2456 | Water - Bbl.<br>0 | Oil Gravity - API (Corr.)<br>N/A     |                      |

26. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

Chris Burden

27. List of Attachments

Logs

28. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED [Signature] TITLE Prod. Staff Associate DATE July 29, 1982

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

|                          |                        |                            |                        |
|--------------------------|------------------------|----------------------------|------------------------|
| T. Anhy _____            | T. Canyon _____        | T. Ojo Alamo _____ 617     | T. Penn. "B" _____     |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland 1732 | T. Penn. "C" _____     |
| B. Salt _____            | T. Atoka _____         | T. Pictured Cliffs 2088    | T. Penn. "D" _____     |
| T. Yates _____           | T. Miss _____          | T. Cliff House 3680        | T. Leadville _____     |
| T. 7 Rivers _____        | T. Devonian _____      | T. Menefee 3858            | T. Madison _____       |
| T. Queen _____           | T. Silurian _____      | T. Point Lookout 4442      | T. Elbert _____        |
| T. Grayburg _____        | T. Montoya _____       | T. Mancos 4760             | T. McCracken _____     |
| T. San Andres _____      | T. Simpson _____       | T. Gallup 5727             | T. Ignacio Qtzte _____ |
| T. Glorieta _____        | T. McKee _____         | Base Greenhorn 6533        | T. Granite _____       |
| T. Paddeock _____        | T. Ellenburger _____   | T. Dakota 6590             | T. _____               |
| T. Blinebry _____        | T. Gr. Wash _____      | T. Morrison _____          | T. _____               |
| T. Tubb _____            | T. Granite _____       | T. Todillo _____           | T. _____               |
| T. Drinkard _____        | T. Delaware Sand _____ | T. Entrada _____           | T. _____               |
| T. Abo _____             | T. Bone Springs _____  | T. Wingate _____           | T. _____               |
| T. Wolfcamp _____        | T. _____               | T. Chinle _____            | T. _____               |
| T. Penn. _____           | T. _____               | T. Permian _____           | T. _____               |
| T. Cisco (Bough C) _____ | T. _____               | T. Penn. "A" _____         | T. _____               |

OIL OR GAS SANDS OR ZONES

|                            |                            |
|----------------------------|----------------------------|
| No. 1, from 6590 to 6716   | No. 4, from _____ to _____ |
| No. 2, from _____ to _____ | No. 5, from _____ to _____ |
| No. 3, from _____ to _____ | No. 6, from _____ to _____ |

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

|                                 |
|---------------------------------|
| No. 1, from _____ to _____ feet |
| No. 2, from _____ to _____ feet |
| No. 3, from _____ to _____ feet |
| No. 4, from _____ to _____ feet |

FORMATION RECORD (Attach additional sheets if necessary)

| From | To   | Thickness in Feet | Formation                | From | To | Thickness in Feet | Formation |
|------|------|-------------------|--------------------------|------|----|-------------------|-----------|
| 0    | 617  | 617               | SURFACE SANDS & SHALES   |      |    |                   |           |
| 617  | 2088 | 1471              | Shale W/Few SD STGRS     |      |    |                   |           |
| 2088 | 2296 | 208               | Sand                     |      |    |                   |           |
| 2296 | 3680 | 1384              | Shale W/Few SD STGRS     |      |    |                   |           |
| 3680 | 3809 | 129               | Sand W/few Shale STGRS   |      |    |                   |           |
| 3809 | 4442 | 633               | Shale, Sand & Coal STGRS |      |    |                   |           |
| 4442 | 4760 | 318               | Sand W/ some Shale STGRS |      |    |                   |           |
| 4760 | 6475 | 1715              | Shale W/Few SDSTGRS      |      |    |                   |           |
| 6475 | 6533 | 58                | Lime                     |      |    |                   |           |
| 6533 | 6590 | 57                | Shale                    |      |    |                   |           |
| 6590 | 6900 | 310               | SD W/Few SH STGRS        |      |    |                   |           |

All distances must be from the outer boundaries of the Section

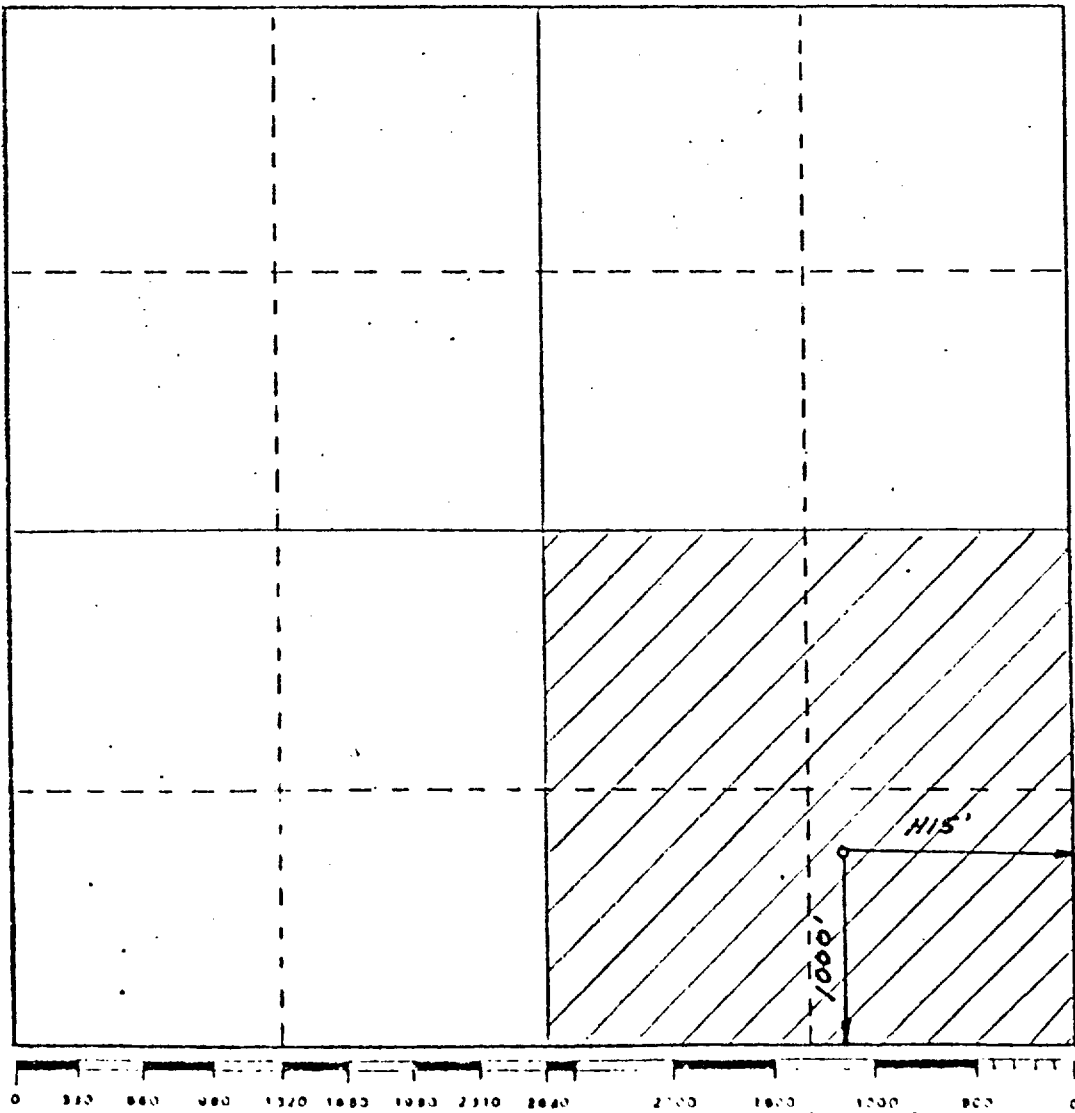
|  |  |                             |                             |                                    |  |
|--|--|-----------------------------|-----------------------------|------------------------------------|--|
| Operator<br><b>SUN EXPLORATION &amp; PROD CO.</b>  |  | Lease<br><b>USA 047 NM</b>  |                             | Well No.<br><b>5-F NM Prod M</b>   |  |
| Unit Letter<br><b>P</b>  | Section<br><b>7</b>                        | Township<br><b>30 North</b> | Range<br><b>12 West</b>     | County<br><b>SAN JUAN</b>          |  |
| Actual Footage Location of Well:<br><b>1000'</b> feet from the <b>SOUTH</b> line and <b>1115</b> feet from the <b>EAST</b> line. |  |                             |                             |                                    |  |
| Ground Level Elev.<br><b>5923'</b>   | Producing Formation<br><b>BASIN DAKOTA</b> |                             | Pool<br><b>BASIN DAKOTA</b> | Dedicated Acreage<br><b>155.42</b> |  |

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

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

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



CERTIFICATION

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

*Jeannie Owens*  
Name  
Dist. Production Super.  
Position

Company  
*Sun Exp. & Prod. Co.*  
Date  
*1-6-82*

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

Date Surveyed \_\_\_\_\_  
Registered \_\_\_\_\_  
Continued \_\_\_\_\_