



APR 5 1984

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**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. 3E 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 18 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. 3E

SUN EXPLORATION AND PRODUCTION COMPANY RESPECTFULLY REQUESTS THE APPLIED FOR EXEMPTION BE RETROACTIVE TO October 29, 1980.

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

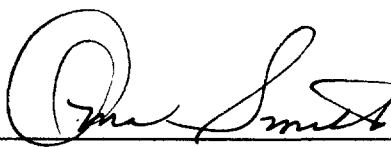
TITLE: CONSERVATION REPRESENTATIVE

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. 3E 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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

NM 047

6. IF INDIAN, ALIOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

New Mexico Federal -N-

9. WELL NO.

3 E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 18-T30N-R12W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Sun Oil Company

3. ADDRESS OF OPERATOR
2525 N. W. Expressway, Oklahoma City, OK 73112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1000' FNL & 1120' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED
2-25-80

15. DATE SPUDDED 8-3-80 16. DATE T.D. REACHED 8-20-80 17. DATE COMPL. (Ready to prod.) 10-29-80 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 5956' GR 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 6850' 21. PLUG, BACK T.D., MD & TVD 6819' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS X CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6,576-90', 6,646-79', 6704-20', 6741-57' 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CBL - UDL - GR - COL Logs 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24#	364'	12-1/4"	250 sx class -B-	
4-1/2	9.5#	6948'	7-7/8"	915 sx Howco Lite tailed w/100 sx Class A 1,300	
CMT Ret.		3868'		sx 50-50 POZ	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	6674'	6674'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6576 - 6590'		6741 - 6720'	Acadz. w/2,000 gals. 15% HCL
6646' - 6679'			Frac w/75,000 gals YF4PSD
6704' - 6720'		6,646-76'	Acadz w/3,000 gals. 15% HCL
6741' - 6757'			Frac. w/130,000 gals YF4PSD

33. PRODUCTION
DATE FIRST PRODUCTION 10-30-80 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Awaiting pipeline (SI)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-7-80	24	64	→	5	756	25	5
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
100#	475#	→	5	756	25	43.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Ivan Hines

35. LIST OF ATTACHMENTS
CBL-DIL-CNL Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Jeanne Owens TITLE Distr. Proration Supvr. DATE 11-13-80

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

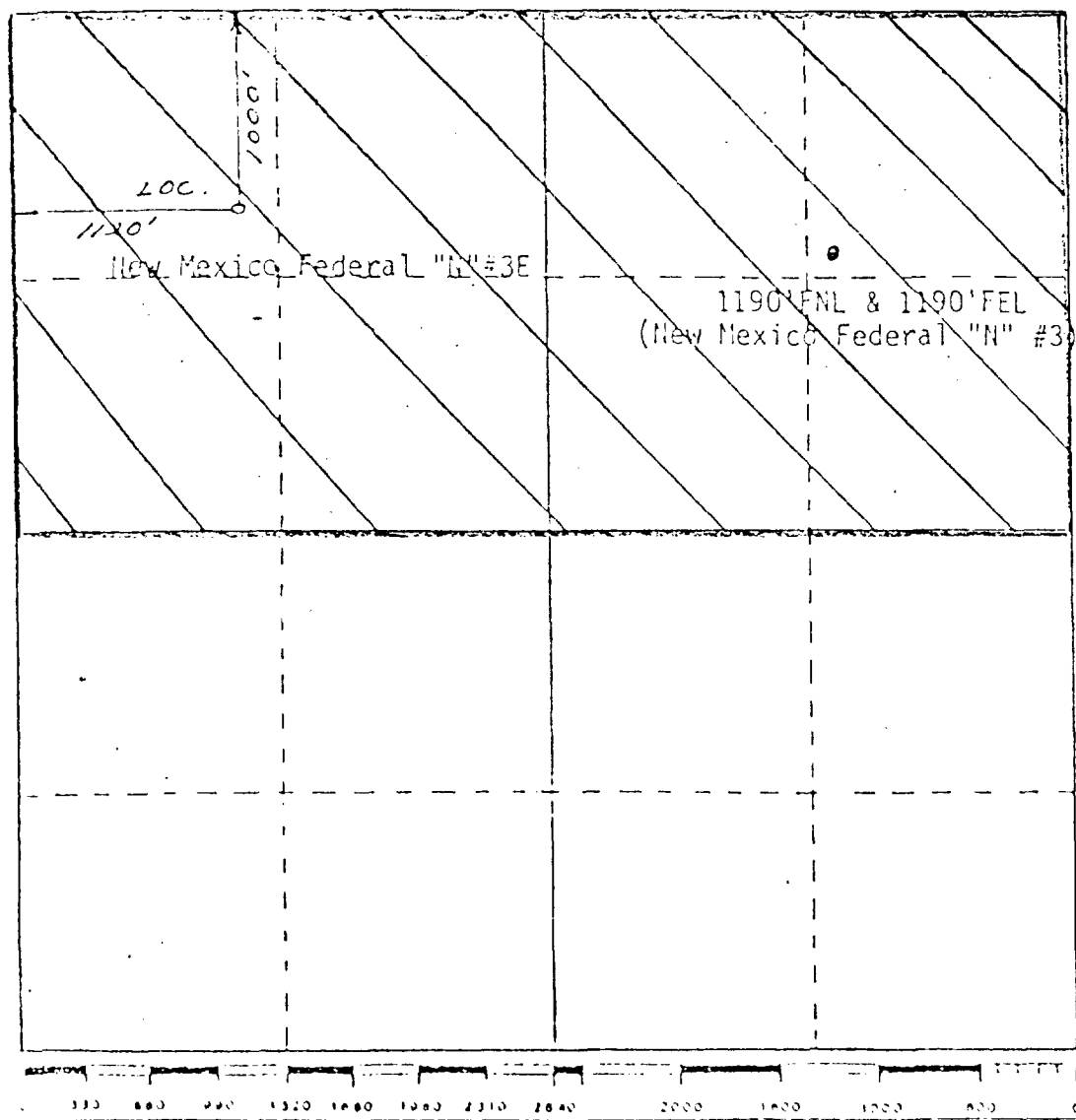
37. SUMMARY OF POROSITY ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-BITS TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP		NAME	TOP	
	DEPTH	FEET		MEAS. DEPTH	TRUEVERT. DEPTH
Fruitland	1704'	2075'	Tertiary	Surface	740'
Picture Cliff	2075'	2278'	Cretaceous	740'	
Cliff House	3700'	3900'	Meseverde Grp.	3316'	4930'
Point Lookout	4432'	4752'	Mancos Form.	5878'	6754'
Dakota	6570'	6604'	Dakota Form.	6754'	6934'
Morrison	6832'		Jurassic	6934'	7000'

All distances must be from the outer boundaries of the section

Operator Sun Oil Company		Lease USA 047 NM			Well No. Federal NM3E
Unit Letter D	Section 18	Township 30 North	Range 12 West	County San Juan	
Actual Footing Location of Well: 1000 feet from the North line and 1120 feet from the West line.					
Ground Level Elev. 5956	Productive Formation Basin Dakota		Pool Basin Dakota	Dedicated Acreage: 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 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.

Name: **George Lapaseotes**
 V. Pres. Powers Elevation
 Position: _____
 Agent Consultant for _____
 Company: **Sun Oil Company**
 Date: **2/26/80**

I hereby certify that the location shown on this plat was obtained 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.

17 Feb 80

Date Surveyed: _____
Gerald G. Huddleston
 Registered Professional Engineer
 and Licensed Surveyor

6844

Certificate No. _____