

30-039-22304

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
E-5167-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

b. Type of Well  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
El Paso Natural Gas Company

3. Address of Operator  
PO Box 289, Farmington, NM 87401

4. Location of Well  
UNIT LETTER D LOCATED 920 FEET FROM THE North LINE  
AND 1100 FEET FROM THE West LINE OF SEC. 36 TWP. 30N RGE. 7W NMPM

7. Unit Agreement Name  
San Juan 30-6 Unit

8. Farm or Lease Name  
San Juan 30-6 Unit

9. Well No.  
87A

10. Field and Pool, or Wildcat  
Blanco Mesa Verde

12. County  
Rio Arriba

19. Proposed Depth 6230' 19A. Formation Mesa Verde 20. Rotary or C.T. Rotary

21. Elevations (Show whether DF, RT, etc.) 6687' GL 21A. Kind & Status Plug. Bond Statewide 21B. Drilling Contractor \_\_\_\_\_ 22. Approx. Date Work will start \_\_\_\_\_

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 3/4"	9 5/8"	32.3#	200'	190	surface
8 3/4"	7"	20.0#	3900'	196	Ojo Alamo
6 1/4"	4 1/2"	10.5#	6230'	311	liner top

Selectively perforate and sandwater fracture the Mesa Verde formation.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated.

The W/2 of Section 36 is dedicated to this well.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS **EXPIRES** 5-28-80 OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed M. G. Guises Title Drilling Clerk Date February 26, 1980

(This space for State Use)

APPROVED BY Frank S. Chang TITLE SUPERVISOR DISTRICT # 3 DATE FEB 28 1980

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

1980

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

All distances must be from the outer boundaries of the Section

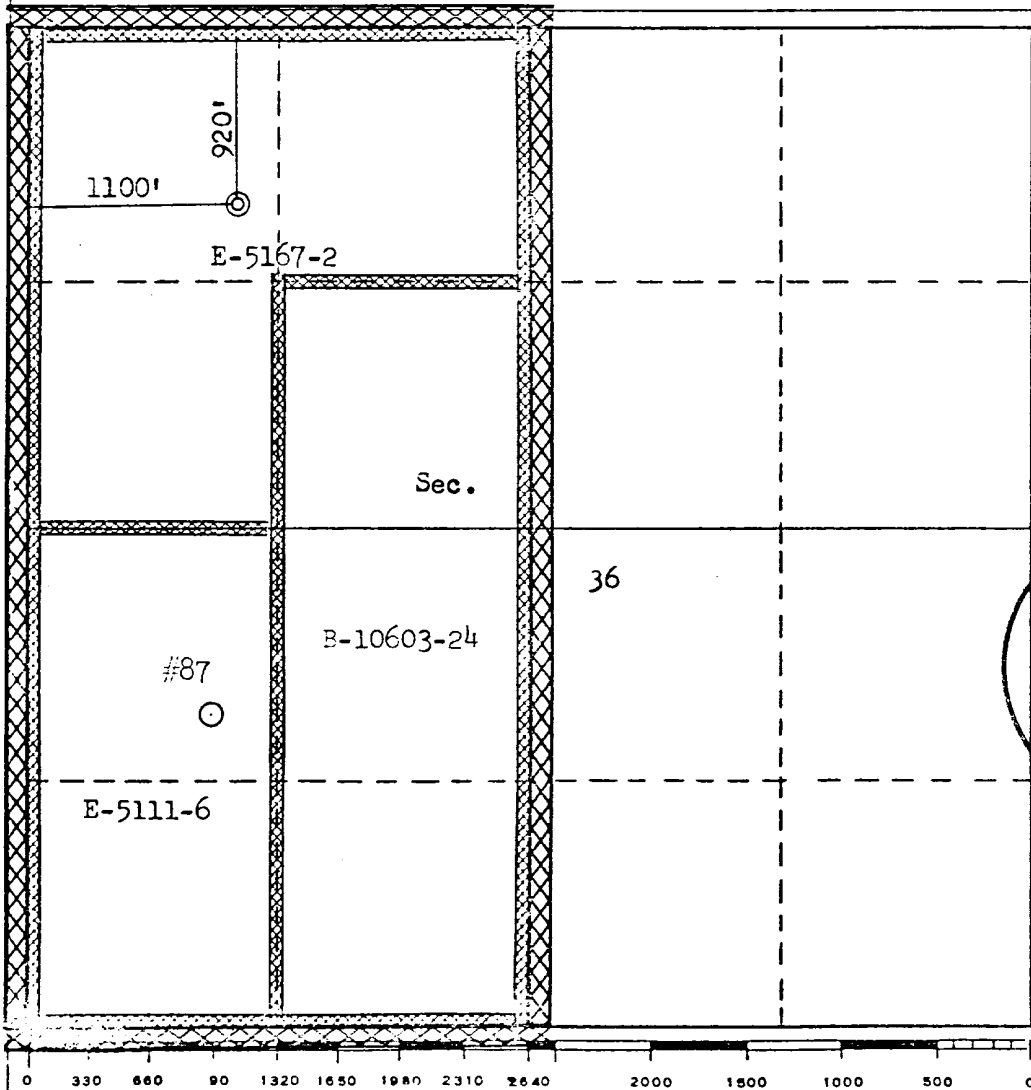
Operator <b>EL PASO NATURAL GAS COMPANY</b>			Lease <b>SAN JUAN 30-6 UNIT (E-5167-2)</b>		Well No. <b>87A</b>
Unit Letter <b>D</b>	Section <b>36</b>	Township <b>30N</b>	Range <b>7W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>920</b> feet from the <b>North</b> line and <b>1100</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6687</b>	Producing Formation <b>Mesa Verde</b>	Pool <b>Blanco Mesa Verde</b>	Dedicated Acreage: <b>320.00</b> 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 Commission.



<b>CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>D. G. Dices</i>	
Name	<b>Drilling Clerk</b>
Position	<b>El Paso Natural Gas Co.</b>
Company	<b>February 26, 1980</b>
Date	
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	<b>August 6, 1979</b>
Registered Professional Engineer and/or Land Surveyor	
<i>Fred B. Kerr</i>	
Certificate No.	<b>3950</b>

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

E-5167-2

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator El Paso Natural Gas Company 3. Address of Operator Box 289, Farmington, New Mexico 87401 4. Location of Well UNIT LETTER D : 920 FEET FROM THE North LINE AND 1100 FEET FROM THE West LINE, SECTION 36 TOWNSHIP 30N RANGE 7W NMPM.	7. Unit Agreement Name San Juan 30-6 Unit 8. Farm or Lease Name San Juan 30-6 Unit 9. Well No. 87A 10. Field and Pool, or Wildcat Blanco Mesa Verde
15. Elevation (Show whether DF, RT, GR, etc.) 6687' GL	12. County Rio Arriba

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
OTHER PERMIT TO DRILL EXTENSION <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

IT IS ANTICIPATED THAT THE "PERMIT TO DRILL" WILL EXPIRE BEFORE THIS WELL CAN BE SPUDDED; THEREFORE, AN EXTENSION IS REQUESTED.

EXPIRES 8-26-80

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

SIGNED A. G. Grisco TITLE Drilling Clerk DATE May 29, 1980

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE MAY 29 1980

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-5167-2	
7. Unit Agreement Name San Juan 30-6 Unit	
8. Farm or Lease Name San Juan 30-6 Unit	
9. Well No. 87A	
10. Field and Pool, or Wildcat Blanco Mesa Verde	
12. County Rio Arriba	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- _____
2. Name of Operator El Paso Natural Gas Company
3. Address of Operator P.O. Box 289, Farmington, New Mexico 87401
4. Location of Well UNIT LETTER <u>D</u> <u>920</u> FEET FROM THE <u>North</u> LINE AND <u>1100</u> FEET FROM THE <u>West</u> LINE, SECTION <u>36</u> TOWNSHIP <u>30-N</u> RANGE <u>7-W</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 6687' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER _____ <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER _____ <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-28-80: Spudded well. Drilled surface hole. Ran 6 joints 9 5/8", 40#, 66-S surface casing 274' set at 288'. Cemented w/ 325 cu. ft. cement. Circulated to surface. WOC 12 hours;held 600#/30 minutes.

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

SIGNED D. G. Bisco TITLE Drilling Clerk DATE June 30, 1980

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 2 DATE JUL 8 1980

CONDITIONS OF APPROVAL, IF ANY:

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.  
E-5167-2

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name San Juan 30-6 Unit
2. Name of Operator El Paso Natural Gas Company	8. Farm or Lease Name San Juan 30-6 Unit
3. Address of Operator P.O. Box 289, Farmington, New Mexico 87401	9. Well No. 87A
4. Location of Well UNIT LETTER <u>D</u> <u>920</u> FEET FROM THE <u>North</u> LINE AND <u>1100</u> FEET FROM THE <u>West</u> LINE, SECTION <u>36</u> TOWNSHIP <u>30-N</u> RANGE <u>7-W</u> NMPM.	10. Field and Pool, or Wildcat Blanco Mesa Verde
15. Elevation (Show whether DF, RT, GR, etc.) 6687' GL	12. County Rio Arriba

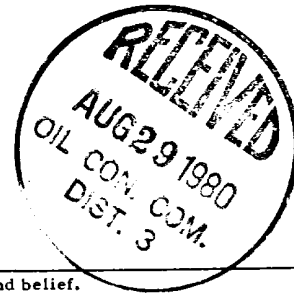
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

-24-80: TD 3919'. Ran 96 joints 7", 20#, K-55 intermeidate casing 3909' set at 3919'. Cemented w/296 cu. ft. cement. WOC 12 hours;held 1200#/30 minutes. Top of cement at 2200'.

-27-80: TD 6210'. Ran 61 joints 4 1/2", 10.5#, K-55 casing liner 2491' set 3718-6210'. Float collar set at 6191'. Cemented w/ 431 cu. ft. cement. WOC 18 hours.



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

SIGNED Frank T. Chavez TITLE Drilling Clerk DATE August 28, 1980

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE AUG 29 1980

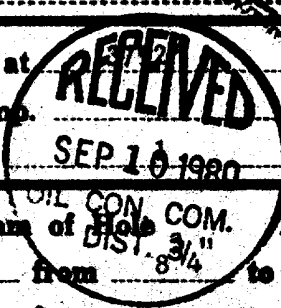
CONDITIONS OF APPROVAL, IF ANY:

# WILSON SERVICE COMPANY

FORM 432-2

## TEMPERATURE SURVEY

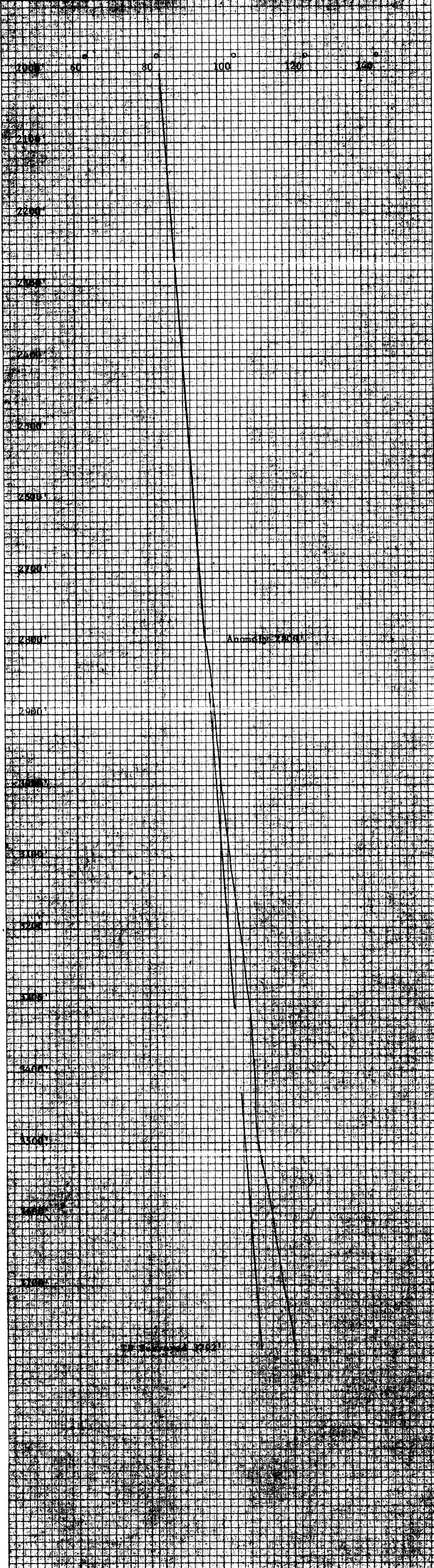
**COMPANY**..... El Paso Natural Gas Co.  
**WELL** 87A **LEASE** San Juan 30-6  
**COUNTY** San Juan **STATE** New Mexico  
**SEC.** SK. 36 **TWP.** 30 **RGE.** 7  
**APPROX. TOP CEMENT**..... 2800'  
 Survey Begins at 2000' **Ft. Ends at** ..... **Ft.**  
**Approx. Fill-Up** ..... **Max. Temp.** .....  
**Log Measured From** KB **Run No.** SEP 16 1980  
**Casing Size** ..... **Casing Depth** ..... **Diam of Hole** ..... **Depth** .....  
 7" from ..... to ..... from 8 3/4" to .....  
 from ..... to ..... from ..... to .....  
**Date of Cementing** 8/24/80 **Time** 8:30 PM  
**Date of Survey** 8/25/80 **Time** 2:30 AM  
**Amount of Cement** 110 Sks. 65/35 Poz. w/6% Gel + 2% CACL + 1/2 Perlita  
 Plus 100 Sks Class #w/2% CACL and 2% Gel.  
**Recorded by** Ebert **Witnessed by** .....



**REMARKS OR OTHER DATA**

Ojo Alamo 2684'

### TEMPERATURE IN DEGREES FAHRENHEIT



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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.  
E-5167-2

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER-  
2. Name of Operator  
El Paso Natural Gas Company  
3. Address of Operator  
P.O. Box 289, Farmington, NM 87401  
4. Location of Well  
UNIT LETTER D 920 FEET FROM THE North LINE AND 1100 FEET FROM  
THE West LINE, SECTION 36 TOWNSHIP 30N RANGE 7-W NMPM.  
15. Elevation (Show whether DF, RT, GR, etc.)  
6687' GL  
7. Unit Agreement Name  
San Juan 30-6 Unit  
8. Farm or Lease Name  
San Juan 30-6 Unit  
9. Well No.  
87A  
10. Field and Pool, or Wildcat  
Blanco Mesa Verde  
12. County  
Rio Arriba

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK   
TEMPORARILY ABANDON   
PULL OR ALTER CASING   
OTHER \_\_\_\_\_   
PLUG AND ABANDON   
CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK   
COMMENCE DRILLING OPNS.   
CASING TEST AND CEMENT JOBS   
OTHER Perf'd & Frac'd   
ALTERING CASING   
PLUG AND ABANDONMENT

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1703.

1-17-80: PBTB 6191'. Tested casing to 3500#, OK. Perf'd Massive & Lower P.L. 5807, 5825, 5866, 5871, 5876, 5881, 5886, 5891, 5898, 5906, 5910, 6055, 6061, 6088, 6103, 6112, 6121, 6177' W/1 SPZ. Fraced w/ 43,500#, 20/40 sand 90,160 gal. wtr. Flushed w/ 7370 gal. wtr.

Perf'd Cliff House & Menefee:  
5686, 5676, 5670, 5610, 5595, 5590, 5545, 5535, 5501, 5496, 5459, 5453,  
5447, 5439, 5433, 5421, 5382' W/1 SPZ. Fraced w/ 44,500# 20/40 sand,  
101,000 gal. wtr. Flushed w/ 7000 gal. wtr.



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

SIGNED A. G. Duce TITLE Drilling Clerk DATE November 19, 1980  
APPROVED BY Original Signed by FRANK T CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE NOV 26 1980

CONDITIONS OF APPROVAL, IF ANY: