

30-025-27777

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## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-85

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name South Cross Roads	
c. Name of Operator Santa Fe Energy Company		9. Well No. 1	
3. Address of Operator 7200 I-40 West, Bldg. 'C', Amarillo, TX 79106		10. Field and Pool, or Wildcat Wildcat	
4. Location of Well UNIT LETTER <u>EN</u> LOCATED 660 FEET FROM THE south LINE		12. County Lea	
AND 1980 FEET FROM THE west LINE OF SEC. 13 TWP. 10 S RGE. 36 E NMPM			
19. Proposed Depth 5150'		19A. Formation San Andres	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3979.3' GL	21A. Kind & Status Plug. Bond Blanket/Current	21B. Drilling Contractor Sitton Drilling Co.	22. Approx. Date Work will start April 26, 1982

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	400' ±	250	Circulate
7 7/8"	5 1/2"	15.5#	5050' ±	350	2000' from GL

A. Drill a 12 1/4" hole to 400' ±. Run 8 5/8" 24# K-55 ST&C new casing and cement back to the surface. WOC ~~8-12~~ hrs. Pressure test 8 5/8" csg by applying pump pressure to 700 psi for 30 minutes. Install BOP's and pressure test to 1300 psi.

B. Drill a 7 7/8" hole to 4965'. Core from 4965' to 5050'. Ream core hole and drill a 7 7/8" hole to 5150'.

C. Run open hole logs.

D. Depending on log analysis either run and cement 5 1/2" production casing or plug and abandon hole as directed by New Mexico Oil Conservation Commission.

\*\*\*Cement on the production casing must be brought from the top of the salt or anhydrite to the surface casing by either circulating with cement or a DV tool at the top of the salt.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN 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 [Signature] Title Drilling Engineer Date April 19, 1982

(This space for State Use)

ORIGINAL SIGNED BY

JERRY SEXTON

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*\*\*See Above

APR 23 1982

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 10/22/82  
UNLESS DRILLING UNDERWAY

**N. MEXICO OIL CONSERVATION COMMISS.**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
 Supersedes C-128  
 Effective 1-1-65

All distances must be from the outer boundaries of the Section

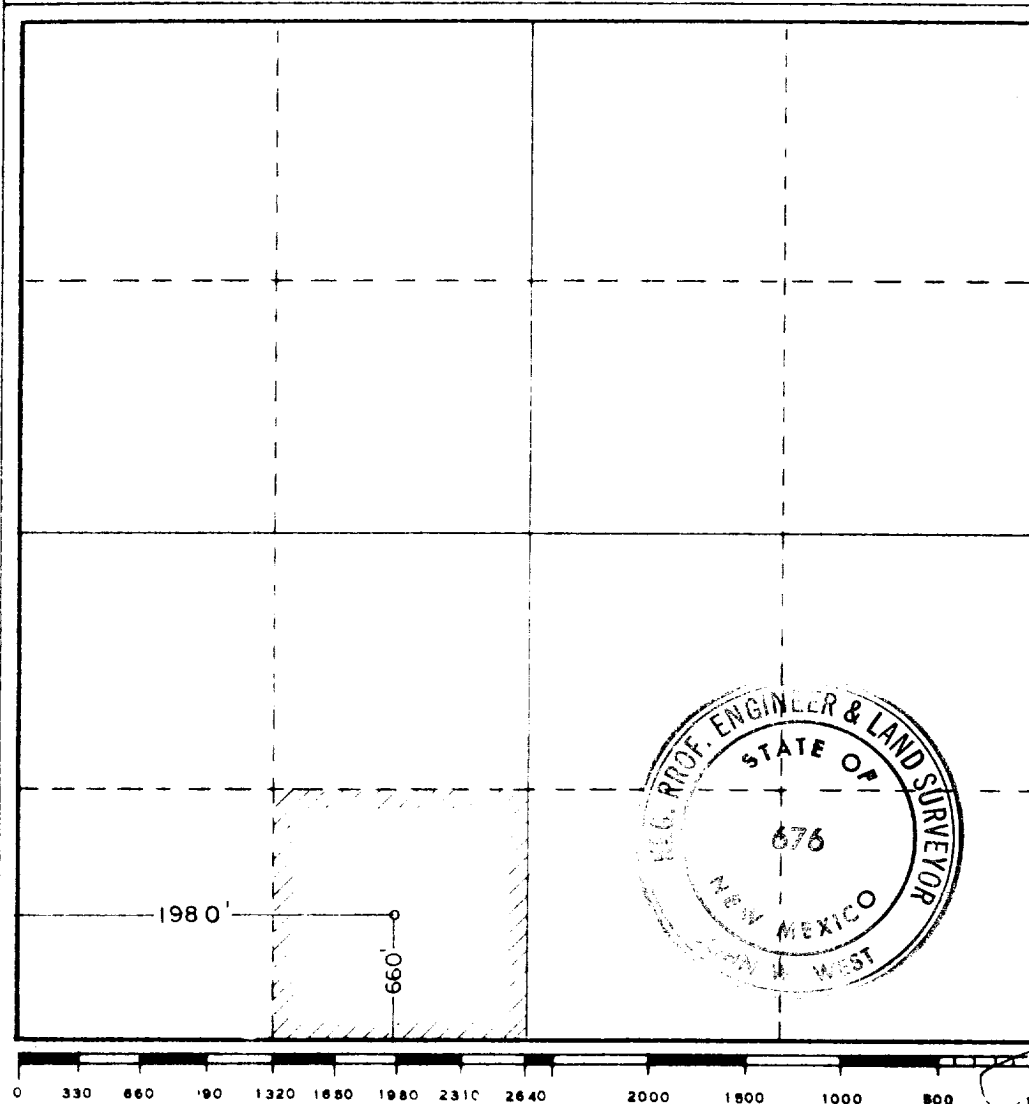
Operator <b>SANTE FE ENERGY CO.</b>			Lease <b>SOUTH CROSSROADS</b>		Well No. <b>1</b>
Unit Letter <b>N</b>	Section <b>13</b>	Township <b>10 SOUTH</b>	Range <b>36 EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span><b>660</b> feet from the <b>SOUTH</b> line and <b>1980</b> feet from the <b>WEST</b> line</span> </div>					
Ground Level Elev. <b>3979.3</b>	Producing Formation <b>San Andres</b>	Pool <b>E. Crossroads</b>	Dedicated Acreage: <b>40</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 *John W. West*

Position  
**Agent**

Company  
**Santa Fe Energy Co.**

Date  
**4-20-82**

*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  
**4-19-82**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
 Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6668**  
**Ronald J. Eidson 3239**

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APR 21 1982

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FEDERAL BUREAU OF INVESTIGATION