

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-101  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
 P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells) <b>30-025-30898</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

<b>APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK</b>	
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	7. Lease Name or Unit Agreement Name Sharp Shooter 2 State
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Well No. 5
2. Name of Operator Santa Fe Energy Operating Partners, L.P.	9. Pool name or Wildcat North Young Bone Spring
3. Address of Operator 500 W. Illinois, Suite 500, Midland, TX 79701	
4. Well Location Unit Letter <u>P</u> : <u>990</u> Feet From The <u>South</u> Line and <u>330</u> Feet From The <u>East</u> Line Section <u>2</u> Township <u>18S</u> Range <u>32E</u> NMPM <u>Lea</u> County	

10. Proposed Depth 8700'	11. Formation Bone Spring	12. Rotary or C.T. Rotary
13. Elevations (Show whether DF, RT, GR, etc.) 3884.5' GR	14. Kind & Status Plug. Bond Blanket	15. Drilling Contractor To be bid
16. Approx. Date Work will start May 15, 1990		

17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2"	13 3/8"	48.0	425'	450 sx	Surface
12 1/4"	8 5/8"	24.0	2800'	1600 sx	Surface
7 7/8"	5 1/2"	17.0	8700'	800 sx	2500'

Move in rig and drill 17 1/2" hole to 425'+. Run 13 3/8" casing and cement to surface with Class C cement w/2% CaCl<sub>2</sub>. Drill 12 1/4" hole to 2800'. Run 8 5/8" casing and cement to surface with 65/35 Class C cement/Poz, 6% gel, 10% salt and 1/4 lb/sk celloflake, followed by 200 sx Class C cement. Drill 7 7/8" hole to 8700'. Run 5 1/2" casing and cement to 3000' with 65/35 Class C cement/Poz (3000-8000') followed by Class H cement, 1.0% fluid loss additive, 5% salt (8000-8700').

11 x 3000 annular preventer on 8 5/8" csg, blind ram, pipe ram, choke manifold - test casing to 1500 psi & test BOP stack to 3000 psi.

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.

SIGNATURE Darrell Roberts TITLE Senior Drilling Engineer DATE 5-9-90  
 TYPE OR PRINT NAME Darrell Roberts TELEPHONE NO. 915/687-3551

Orig. Signed by  
**Paul Kautz**  
 Geologist

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE MAY 11 1990

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator SANTA FE ENERGY OPERATING PARTNERS LP		Lease Sharp Shooter 2 State		Well No. 5
Unit Letter P	Section 2	Township 18 South	Range 32 East	County Lea
Actual Footage Location of Well: 990 feet from the South line and 330 feet from the East line				
Ground level Elev. 3884.5	Producing Formation Bone Spring	Pool North Young Bone Spring	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?  
 Yes  No If answer is "yes" type of consolidation One lease

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary. One lease)

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 interest, has been approved by the Division.

**OPERATOR CERTIFICATION**

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

Signature  
*Darrell Roberts*

Printed Name  
 Darrell Roberts

Position  
 Senior Drilling Engineer

Company  
 Santa Fe Energy Operating Partners, L.P.

Date  
 5-9-90

**SURVEYOR CERTIFICATION**

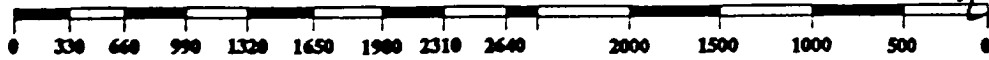
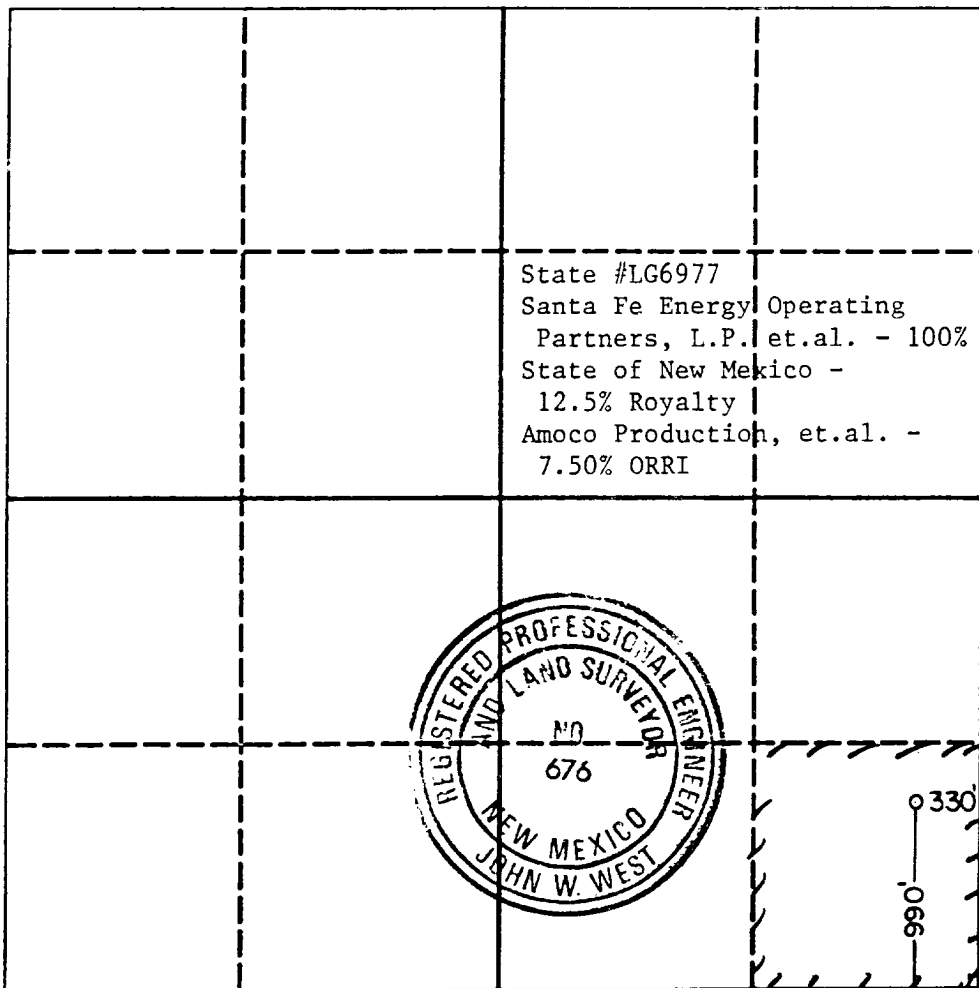
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
 May 3, 1990

Signature & Seal of Professional Surveyor

*John W. West*

Certificate No. JOHN W. WEST, 676  
 RONALD J. EIDSON, 3239



06/48/8 0004

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RECEIVED

MAY 10 1990

ODD  
HOBBY CENTER