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5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name N.H. 35 8. Farm or Lease Name 2 9. Well No. North Hume/Wolfcamp 10. Field and Pool, or Wildcat
2. Name of Operator Santa Fe Energy Operating Partners, L.P. 3. Address of Operator 500 W. Illinois. Suite 500, Midland, Texas 79701 4. Location of Well UNIT LETTER M LOCATED 660' FEET FROM THE South LINE AND 810' FEET FROM THE West LINE OF SEC. 35 TWP. 15S RGE. 33E NMPM		12. County Lea
19. Proposed Depth 10,300' 19A. Formation Wolfcamp 20. Rotary or C.T. Rotary		21. Elevations (show whether DF, RT, etc.) 4158.4 GL 21A. Kind & Status Plug. Bond Blanket 21B. Drilling Contractor To Be Bid 22. Approx. Date Work will start ASAP

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"	54.5#	450'	450sx	surface
12-1/4"	8-5/8"	24 & 32#	4,500'	2,500sx	surface
7-7/8"	5-1/2"	23#	10,300'	800sx	3000'

Move in rig and drill 17-1/2" hole to 450'±. Run 13-3/8" casing and cement to surface with Class C cement w/2% CaCl₂. Drill 12-1/4" hole to 4,500'. Run 8-5/8" casing and cement to surface with 65/35 Class C cement/Poz, 6% gel, 10% salt and 1 lbs/sx celloflake, followed by 360 sx Class C cement. Drill 7-7/8" hole to 10,300'. Run 5-1/2" casing and cement to 3,000' with 65/35 Class H cement/Poz (3000'-9000') followed by 50/50 Class H cement/Poz, 2% gel, 0.8% fluid loss additive (9000'-10,300').

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 Quinn State Title Drilling Superintendent Date 4-27-88

(This space for State Use)

APPROVED BY Geologist DATE MAY 4 - 1988

CONDITIONS OF APPROVAL, IF ANY.

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

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SANTA FE ENERGY OPERATING PARTNERS, L.P.

N.H. 35 No. 2
Blowout Prevention Program
Sec. 35, T15S, R33E, Lea County, N.M.

An 11" 5000 psi W.P. double ram preventer containing one set of pipe rams and one set of blind rams, an 11" 3000 psi W.P. spherical preventer and a rotating head shall be installed after the 8-5/8" casing is set. The pipe and blind rams will be pressure tested to 5000 psi and the spherical preventer will be tested to 1500 psi prior to drilling into the Wolfcamp formation.

A 5000 psi choke manifold consisting of one manual choke and one hydraulically operated choke will also be installed and pressure tested to 5000 psi prior to drilling into the Wolfcamp.

DS:cycl397

MEXICO OIL CONSERVATION COMMISS. 4
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 12-1-85

All distances must be from the outer boundaries of the Section

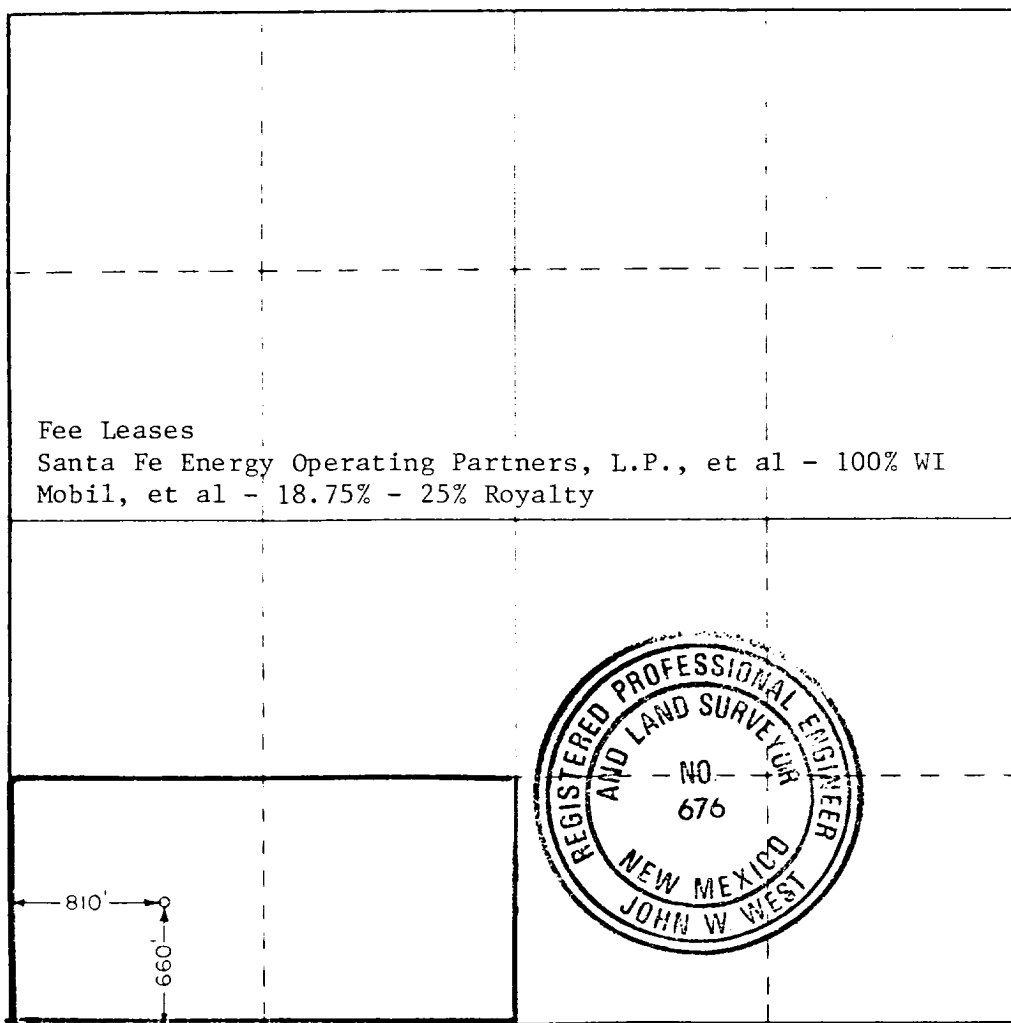
Operator Santa Fe Energy Co.		Lease N. H. 35		Acct. No. 2	
Section 35	Township 15 South	Range 33 East	County Leon		
Acreage Dedication of Wells (660) feet from the south line and 810 feet from the west line					
Gravel Elev. +108.24	Producing Formation Wolfcamp	Prod. North Hume - Wolfcamp	Estimated Acreage 80 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Lease Pooling Provisions

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.

Fee Leases Santa Fe Energy Operating Partners, L.P., et al - 100% WI Mobil, et al - 18.75% - 25% Royalty	
	



CERTIFICATION

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

David Slater

David Slater

Drilling Superintendent

Company Santa Fe Energy Operating Partners, L.P.

Date 4-27-88

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 April 19, 1988

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST, 676

RONALD J. EIDSON, 3239

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