UNITED STATES
DEPARTMENT OF THE INTERIOR

SUBMIT IN 'LICATE' (Other instr. ions on reverse side)

SO-025-31115 Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

BUREAU OF LAND MANAGEMENT						64-062391	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN, ALLOTTER OR TRIBE NAME	
1a. TYPE OF WORK	LL 🗓	DEEPEN [7	PLUG BAC	—— v П	7. UNIT AGREEMENT NAME	
b. Tipe of Well	LL IA	DEEPEN L		PLUG BAC	~ Ц		
WELL X	ELL OTHER		811 20	NGLE MULTIPL	• 🗆	8. FARM OR LEASE NAME	
2. NAME OF OPERATOR						Kachina "5" Federal	
Santa Fe Energy Operating Partners, L.P.						9. WELL NO.	
3. ADDRESS OF OPERATOR						10. FIELD AND POOL, OR WILDCAT	
550 W. Texas, Suite 1330, Midland, TX 79701 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)						South Corbin (Wolfcamp	
330' FSL & 1980' FEL, Sec. 5, T-18S, R-33E						11. SBC., T., R., M., OR BLE. AND SURVEY OR AREA	
330' FSL & 1980' FEL, Sec. 5, T-18S, R-33E At proposed prod. sone Same 1 -5WSE						a 5 m 100 n 22n	
Same 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE®						Sec. 5, T-18S, R-33E	
10 miles southeast of Maljamar, New Mexico							
15. DISTANCE FROM PROPO	SED*	iar, New Mez		. OF ACRES IN LEASE		OF ACRES ASSIGNED	
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 2201				320	TO T	HIS WELL 80	
18. DISTANCE FROM PROPOSED LOCATIONS					20. ROTA	O. ROTARY OR CABLE TOOLS	
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None			11,500'		Rotary		
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)				<u> </u>	22. APPROX. DATE WORK WILL START	
3961.4' GR						January 5, 1991	
23.		PROPOSED CASI	NG ANI	CEMENTING PROGRAM	(
SIZE OF HOLE	BIZE OF CASING	WEIGHT PER FO		BETTING DEPTH		QUANTITY OF CEMENT	
17 1/2"	13 3/8"	48.		350'		00 sx CIRCULATE	
12 1/4"	8 5/8"	28.		3,100		50 sx CIRCULATE	
7 7/8"	5 1/2"	15.5 & 17.	U	11,500'	See	below	
surface with 4 Nipple up BOP 8 5/8" casing 1 pps cellofla rams and choke logs. Run 5 1	and test BOP and and cement with ake followed by to 5000 psi, a	t w/2% CaCl d casing to 1200 sx 35 250 sx of " unnular to l cement with	2 and 600 6/65 1 C" c 000 1	d 1/4 pps cello psi. Drill 12 Poz/"C" cement ement w/2% CaCl psi. Drill 7 7 50 Poz/"H" ceme	flake. 1/4" w/6% g 2. In /8" ho nt, 2%	asing and cement to WOC 6 hours. hole to 3100'. Run el, 10% NaCl and stall BOP and test le to 11,500'. Run gel, 6 pps NaCl and er all potentially	
productive zor				LOCATION			
APPROVAL SUBJECT		i a like"i				ARC NOV	
GENERAL REQUIREME				ject to		% <u>~</u> ≈	
SPECIAL STIPULATIO		Li	ke A	Approval		m e	
ATTACHED			by	State		72 in	
						dusting sons and properly new preduct	
zone. If proposal is to	drill or deepen direction	proposal is to deep ally, give pertinent	pen or p	piug back, give data on p on subsurface locations &i	nd measur	ductive sone and proposed new prospected and true vertical depths. Give	
preventer program, if as 24.	ny.					गठ 🎜	
Я.,	el Poberto		c	r. Drilling Eng	dnear	DATE 11-19-90	
BIGNED Care	ex pours	TIT	TLB	I. Diriting cut	THEET	DATE II IZ	
(This space for Fed	eral or State office use)						
PERMIT NO				APPROVAL DATE			
4 4 4				gen Grwij Grif ward fan Grif Grif		16 0,00	
APPROVED BY	VAL, IF ANY:	TI:	TLE	in in the second of the second	·	DATE /2 20 %	

State of New Mexico Energy, Minerals and Natural Resources Dep.

Form C-102

DISTRICT | P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Deswer DD, Artesia, NM \$8210

DISTRICT III
1000 Rio Brazos Ré., Aziec, NM 87410

990

1320

1650

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section Well No. SANTA FE ENERGY OPERATING PARTNERS LP Kachina 5 Federal County 18 South 33 East Lea **NMPM** Actual Footage Location of Well: South 1980 East line and feet from the Ground level Elev. Producing Formation Dedicated Acreage: 3961.4 Wolf.camp South Corbin (Wolfcamp) 80 1. Outline the acreege dedicated to the subject well by colored peacil or hackure 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? Yes . X 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 neccessary. 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 ed herein in true and complete to the best of my knowledge and belief. Daniell Polieto Printed Name Darrell Roberts Senior Drilling Engineer Company Santa Fe Energy Operating Partners, L.P. Date 11-19-90 Federal Lease #NM-062391 Santa Fe Energy Operating Partners, L.P. et.al. - 100% U.S.A. - 12.5% Royalty Oxy - 12.5% ORRI**5.199**0 Signature & Seal of Professional Surveyor 3978.3 3959.2 1980 676 3951.2 3970.1 RONALD & EIDSON, 3239 1900 2310 2640

1500

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APPLICATION FOR DRILLING SANTA FE ENERGY OPERATING PARTNERS, L.P. Kachina "5" Federal No. 1

In conjunction with Form 3160-3, Application to Drill subject well, Santa Fe Energy Operating Partner, L.P., submits the following ten items of pertinent information in accordance with BLM requirements.

- 1. The geologic surface formation is sand.
- 2. The estimated tops of geologic markers are as follows:

Rustler	1,400'
Base Salt	2,830'
Yates	3,070'
Seven Rivers	3,320'
Queen	4,150'
Penrose	4,500'
Delaware	5,540'
Bone Spring	6,460'
First Bone Spring Sand	8,190'
First Carbonate	8,440'
2nd Sand	8,790'
2nd Carbonate	9,290'
3rd Sand	9,500'
Wolfcamp	9,830'
Total Depth	11,500'

3. The estimated depth at which water, oil, or gas formations are expected to be encountered:

Water is not expected to be encountered

Oil or Gas Wolfcamp 10,000' - TD

- 4. Proposed Casing Program: See Form 3160-3 and Exhibit A.
- 5. Pressure Control Equipment: See Form 3160-3 and Exhibit B.
- 6. Drilling Fluid Program: See Exhibit C.
- 7. Auxiliary Equipment: See Exhibit D.
- 8. Testing, Logging and Coring Programs:

Drill Stem Tests (all DST's to be justified by a valid show of oil or gas):

Bone Spring 8,600 - 8,800' Wolfcamp 10,000 - 11,000'

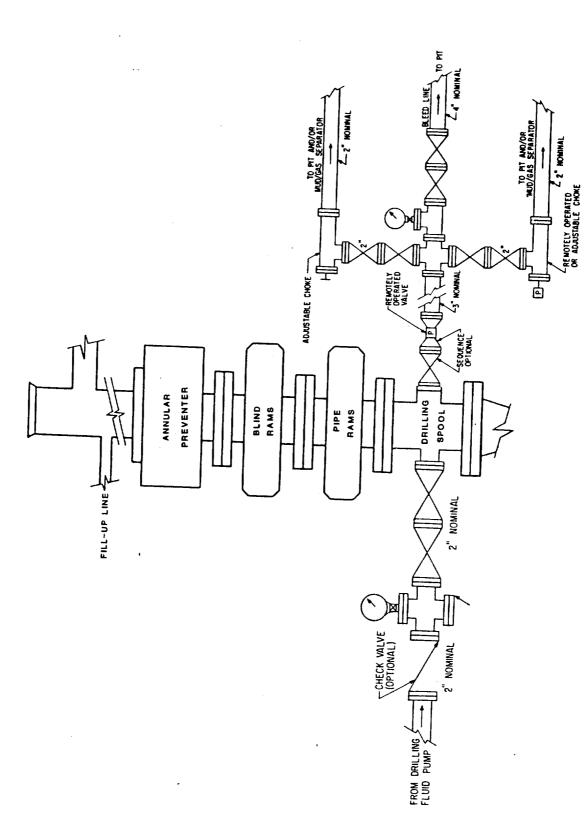


EXHIBIT B

10-26-4 MAY

DEC 2 d A

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