					20-029	5-31371	
Form 3160-3 (November 1983) (formerly 9-331C)	UNITED STATES		SUBMIT IN TAPLICATE (Other instructions on reverse side)		 Form approved. Budget Bureau No. 1004–0 Expires August 31, 1985 		
		DEPARTMENT OF THE INTE BUREAU OF LAND MANAGEME				5. LEASE DESIGNATION AND BEBIAL NO. NM-84731	
APPLICATIO	N FOR PERMIT	TO DRILL, DE	EPEN, OR P	LUG BACK	6. IF INDIAN, ALLOTTE	OR TRIBE NAME	
1a. TYPE OF WORK		DEEPEN 🗌			7. UNIT AGREEMENT N		
011. 🔽			SINGLE	MULTIPLE	8. FARM OR LEASE NA	MB	
2. NAME OF OPERATOR Santa	Fe Energy Oper	ating Partners			Kachina "8" 9. WELL NO.	Federal (100)	
3. ADDRESS OF OPERATOR					2		
550 W	. Texas, Suite	1330, Midland	, Texas 797	01	10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (B At surface	eport location clearly an	d in accordance with a	ny State requireme	nts.•)	South Corbin	(Wolfcamp)	
1830' FNL & 6 At proposed prod. zon Same	660' FWL, Sec.	8, T-18S, R-33	BE		11. SEC., T., E., M., OE AND SURVEY OR AN Sec. 8, T-18	BEA	
14. DISTANCE IN MILES		ARTST TOWN OR POST OF	FFICE*		12. COUNTY OR PARISH		
10 miles sout	heast of Malja	mar, New Mexic	20		Lea	NM	
13. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr)	T LINE, FT.	660'	3. NO. OF ACRES IN		OF ACRES ASSIGNED HIS WELL 80	· · · · · · · · · · · · · · · · · · ·	
18. DISTANCE FROM PROI	OSED LOCATION.). PROPOSED DEPTH	20. ROTA	RY OB CABLE TOULS		
TO NEAREST WELL, DRILLING, COMPLETED, or applied for, on this lease, ft. None		None	11,500'	R	Rotary		
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)				22. APPROX. DATE WO	DEK WILL START*	
3904.3' GR					September 6	, 1991	
23.		PROPOSED CASING	AND CEMENTING	PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING	DEPTH	QUANTITY OF CEME	NT	
17-1/2"	13-3/8"	48.0		00' 400	SX CIRCULATE		

Move in drilling rig. Drill 17-1/2" hole to 400'. Run 13-3/8" casing and cement to surface with 400 sx "C" cement w/2% CaCl₂ and 1/4 pps celloflake. UOC 6 hours. Nipple up BOP and test BOP and casing to 600 psi. Drill 12-1/4" hole to 3100'. Run 8-5/8" casing and cement with 1200 sx 35/65 Poz/"C" cement w/6% gel. 10% NaCl and 1 pps celloflake followed by 250 sx of "C" cement w/2% CaCl₂. Install BOP and test rams and choke to 5000 psi, annular to 1000 psi. Drill 7-7/8" hole to 11,500'. Run logs. Run 5-1/2" casing and cement with 50/50 Poz/"H" cement, 2% gel, 6 pps NaCl and 0.75% fluid loss additive. Sufficient cement will be used to cover all potentially productive zones.

28.0

17.0

15.5 &

3,100' 11,500' 1,450 sx

See below

SEE STIPS

APPROVAL SUBJEUT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATLACHED

8-5/8"

5-1/2"

12-1/4"

7-7/8"

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Danell Polerto	TITLE Sr. Drilling Engineer	DATE 8-6-91
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
	 Departs A set of a set	12991
	TITLE	DATE

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Submit to Appropriate -District Office State Lance - 4 copies Fee Lance - 3 copies

DISTRICT I P.O. Box 1980, Hobbs, NM \$240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

ANTA FE	ENERGY OPERA	ATING PARTNERS LI	Y KACHIN	NA 8 FEDERAL Com	2
t Latter	Section	Township	Range	County	· · · · · · · · · · · · · · · · · · ·
E	8	18 SOUTH	33 EAST	NMPM	LEA
-	cation of Well:				
1830	feet from the		and 660	feet from the	WEST line
und level Elev		ing Formation	Pool		Dedicated Acreage:
3904.		fcamp		<u>in (Wolfcamp)</u>	80 Acres
1. Outli	ne the acreage dedicat	ed to the subject well by color	ed peacal or hachure marks on	the plat below.	-
2. If me	re than one lease is de	edicated to the well, outline en	ch and identify the ownership	thereof (both as to working interes	t and royalty).
3. If me	ore than one lease of d	ifferent ownership is dedicated	to the well, have the interest	of all owners been consolidated by	communitization,
	zation, force-pooling, e			ompulsory Pooling	Order No R-9/80-
[X If answ		No If answer is "y ers and tract descriptions which			<u>01del No. k 9400 l</u>
	m if neccessary.		,,		
	•		••	mmunitization, unitization, forced-	pooling, or otherwise)
or until	a non-standard unit, e	liminating such interest, has be	en approved by the Division.		
	4		(777)	OPE	RATOR CERTIFICATIO
		ral Lease No. NM		I k	ereby certify that the infor
		ey Petroleum - 10			herein in true and complete
-	U.S.	A 12.5% Royal	ty I	best of my	knowledge and belief.
0 10 10	(s	liding scale)		Signature	
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	3		1	Printed N	
	1		1		
	Fede	ral Lease No. NM	-84731		11 Roberts
		a Fe Energy Oper	•		
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	l				certify that the well location
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OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 ÷

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APPLICATION FOR DRILLING SANTA FE ENERGY OPERATING PARTNERS, L.P. Kachina "8" Federal No. 2

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	1,440′
Base Salt	2,870′
Yates	3,100′
Seven Rivers	3,360′
Queen	4,190′
Penrose	4,500′
Delaware	5,580′
Bone Spring	6,500′
First Bone Spring Sand	8,230′
First Carbonate	8,480′
2nd Sand	8,830′
2nd Carbonate	9,330′
3rd Sand	9,540′
Wolfcamp	9,870′
Total Depth	11,500′

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

Water	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	11,000 -	11,300'





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