Form 31603 (November 1983) (formerly 9331C)		TED SHAMER	SUBMIT IN : Other Instr LuCANS Construction		Budget Bureau	-30119 No. 1004-013
	DEPARTMEN	T OF THE	DI ERTORMMISSION	• •	Expires Augus	st 31, 1985
	BUREAU O	F LAND RANA	THEN AVE DMEXICO	88240	5. LEASE DESIGNATION	N AND SERIAL NO.
APPI ICATIC	N FOR DEDNAIT		CENTRAL CONTRACTOR		<u>NM-40452</u>	
AL. TIPL OF WORK			DEEPEN, OR PEUG		6. IF INDIAN, ALLOTTI	
b. TIPE OF WELL			D 8 чэ МРЮС ВА	KCK	7. UNIT AGREEMENT	NAMB
	WELL X WELL OTHER CAR SINGLE TO MULT			8. FARM OR LEASE NA	L MEN	
Santa Fe End 3. ADDRESS OF OPERATOR	Shinnery 14 9. WELL NO.	Federal				
	5					
500 W. Illin 4. LOCATION OF WELL () At surface	10. FIELD AND POOL, OR WILDCAT					
At surface 2210		Bone Spring				
2310 At proposed prod. 20		11. SEC., T., R., M., OR AND SURVEY OR AN	RLE			
14. DISTANCE IN MILES					14, 185, 32E	
	AND DIRECTION FROM NEA		OFFICE*		12. COUNTY OF PARISH 13. STATE	
THE PROPERTY PROPERTY PROPERTY	of Carlsbad, Ne	w Mexico			Lea	NM
LOCATION TO NEARES PROPERTY OR LEARE			16. NO. OF ACRES IN LEASE	17. NO. 0	F ACRES ASSIGNED	1 111
18. DISTANCE FROM PROM	g. unit line, if any)	660'	40		40	
TO NEAREST WELL, I OR APPLIED FOR, ON TH	DRILLING, COMPLETED.	1320'	19. PROPOSED DEPTH	20. ROTAR	T OR CABLE TOOLS	
21. ELEVATIONS (Show wh		1320	10,200'		Rotary	
3818.9'					22. APPROX. DATE WO	RE WILL START*
23.	······································	PRODOSED CAN			ASAP	
SIZE OF HOLE		í <u> </u>	G AND CEMENTING PROGRAM	M		
17 1/2	SIZE OF CASING	WEIGHT PER FOO	T BETTING DEPTH		QUANTITY OF CEMEN	T
12 1/4	<u> 13 3/8 </u>	48.0	400+	475 s	475 sx CIRCULATE	
7 7/8	5 1/2	24.0		See be	See below CIRCULATE	
-		17.0	10200	See be	See below	
Move in drillin	ng rig. Drill	17 1/2" hole	to 400'. Run 13	' 3/8" cas	sing and comon	t to
and casing to 4	/) sx "C" cement	: w/2% CaCl2	WOC 6 hours. N:	ipple up	BOP and test	BOP
8 5/8" casing to (and compart with	12 1/4" hole	= to 2680' (200' be	elow bas	se of salt).	Run
1 1b/sk cellof1	and cement with	sufficient (2 to 2680' (200' be C1 "C" poz cement v 'C" coment v (200' be	v/6% gel	, 10% NaCl an	d
BOP and test ra	and choke to	' 360 sx of '	'C" cement w/2% Ca(C12 to c	irculate. In	stall
core point in ($(\pm 3850')$, 3000 ps1, a	annular to 1500 psi	. Dril	.1 7 7/8" hole	to
enrose (+4120)	(). Cut $40'$ cor		re. Drill / //8" h	ole to	core point in	
casing and ceme	ent with $50/50$ m	e_{\bullet} DITT /	7/8" hole to TD.	Run log	s. Run 5 1/2	**
loss additive.	Sufficient cem	oz/ n cemen	//8" hole to TD. at, 2% gel, 6 1bs/s	k NaCl	and 0.75% flu:	id
zones.		ene will De	used to cover all	potenti	ally productiv	ve
	R. CRUENE SUBJE	110				
	GENERAL REQUIR					
	SHEELAL STIPULAT	TIONS				
	ATTACHED					
ABOVE SPACE DESCRIBE ne. If proposal is to di	PROFOSED PROGRAM : If pr fill or deepen directionall	oposal is to deepen y, give pertinent da	or plug back, give data on pre ta on subsurface locations and	sent product	ive some and proposed (new productive
eventer program, if any.				measured at	a true vertical depths.	Give blowout
SIGNED Micha	IR But		District Drilling	English	0.10.00	
(This space for Federa		TITLE_	District Drilling	Lnginee	ET DATE <u>9-12-89</u>)
	and the second counce uses					
PERMIT NO.	/	}	APPROVAL DATE	·····		
APPROVED BY AA	untre, Mr.	ent	AREA MANAGER		in a	7 60
CONDITIONS OF APPROVAL	, IF ANY ;	TITLE_	CARLSBAD RESOURCE AREA	<u> </u>	DATE 10-23	.07

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*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.

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OCT 24 1989

OCD HOBBS OFFICE

Foe Lease - 3 copies			tate of New Mexico and Natural Resources I ERVATION DIV	Form C-102 Revised 1-1-89	
DISTRICT I P.O. Box 1980, Hobbs, 1	NM 88240		P.O. Box 2088	1910IN	
DISTRICT II P.O. Drawer DD, Artesia		Santa Fe,	New Mexico 87504-2	088	
DISTRICT III 1000 Rio Brazos Rd., Az	WEI	LL LOCATION A	AND ACREAGE DEDIC	CATION PLAT	
Operator			Lease		Well No.
SANTA FE ENER	RGY OPERATING PA	RTNERS, LP.	SHINNERY 14	FEDERAL	5
Jak Letter Se	ction Township	p	Range	County	
H Actual Footage Location	14 1 of Well:	8 SOUTH	32 EAST	NMPM	LEA
round level Elev.	t from the NORTH Producing Formation	line and	660 <u>660</u>	feet from the EAS	
3818.9'	BONE SPRING		OUECHERO PLAT	NS	Dedicated Acreage:
1. Outline the	acreage dedicated to the subj	ect well by colored pe	acil or hachure marks on the pla	at below.	40 Acres
or until & non-(vill be assigned to the well un tandard unit, eliminating such	au all interests have b h interest, has been app	een consolidated (by communiti proved by the Division.		· · · · · · · · · · · · · · · · · · ·
			10,	I here contained he best of my bu Signature	ATOR CERTIFICATION by certify that the informa rein in true and complete to owledge and belief.
			231	Printed Name	
			TED T IN: 40452 SANTA TE ENERGY OPERATING PATHERS, L. P-ETAL U.S.A12.52 ROTALIT THOMAS CURRAN, ETAL .52 to 1:	-100X -100X 2.5X ORAX -100X 2.5X ORAX -100X -3822.2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -	R. Burton t Drilling Engined anta Fe Energy ng Partners, L.P. -89 YOR CERTIFICATION
			FED F IN 40452 SANTA FE DERAGT OPERATING PARTNERS, L.P-ETAL U.S.A12.52 ROTALIT THOMAS CURRAN, ETAL .62 to 1	Printed Name Michael Position 2.52 ORAX 2.52 ORAX 3822.2 0peratin Data 660' 9-14- SURVE 3822.7 1 hareby carrow on this plat actual survey Supervison, correct to the belief. Data Surveyo	R. Burton t Drilling Engined anta Fe Energy ng Partners, L.P. -89 YOR CERTIFICATION ify that the well location sho was plotted from field notes us made by me or under and that the same is true a be best of my knowledge a 55 30, 1989

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QGT 241999

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APPLICATION FOR DRILLING SANTA FE ENERGY COMPANY Shinnery 14 Federal No. 5

In conjunction with form 9-331C, Application to Drill subject well, Santa Fe Energy Company 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	550
Base Salt	2480
Yates	2680
Seven Rivers	3040
Queen	3850
Penrose	4120
Grayburg	4320
Delaware	5250
Bone Spring	6740
TD	10200

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

WaterWater is not expected to be
encountered.Oil or GasYates 2680' - TD

- 4. Proposed casing program: See Form 9-331C and Exhibit A.
- 5. Pressure control Equipment: See Form 9-331C and Exhibit B.
- 6. Drilling Fluid Program: See Exhibit C.
- 7. Auxilliary Equipment: See Exhibit D.
- 8. Testing, Logging and Coring Programs:

Logging:

Sonic

Logging from 2700' - TD: Dual Laterolog with Gamma Ray Neutron-Density with Gamma Ray Computer Process Log over selected intervals Logging from 2700' - TD:

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