						30-013-25505 /	
Form 9-331 C Intervent ID			SUBMIT IN TREPLICATE*				
(May 1963)	Lander 197	NITED STATE	ς	(Other instru reverse		Budget Bureau No. 42-R1425.	
	F						
		ENT OF THE				5. LEASE DESIGNATION AND SEBIAL NO. MM-63362	
APPLICAT	ION FOR PERM			EN, OR PLUG	ВАСК	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1a. TYPE OF WORK	DRILL X DEEPEN			PLUG BACK 🗌 7. c		7. UNIT AGREEMENT NAME	
b. TYPE OF WELL OIL WELL X	CAS WELL OTHE	R				8. FARM OR LEASE NAME	
2. NAME OF OPERATO			1	RECEIVED	BY	Lusk 20 Federal	
3 ADDRESS OF OPER	Energy Company					9. WELL NO. 1	
500 W. Illinois, Suite 500, Midland, TX 79				9701 UEL "6 1985 10.		10. FIELD AND POOL, OR WILDCAT	
At surface						N. Hackberry - / - S/	
	, 660' FEL, Sec	. 20, T-19S,	R-31E	ARTESIA, OF	FICE	AND SURVEY OR AREA	
At proposed pro	1. zone			L	U.H	Sec. 20, T-19S, R-31E	
14. DISTANCE IN M	ILES AND DIRECTION FROM		ST OFFICI	£*	-	12. COUNTY OR PARISH 13. STATE	
22 miles 15. DISTANCE FROM	east of Carlsba	d, NM	1 16. NO). OF ACRES IN LEASE	17 NO 0	Eddy NM	
LOCATION TO NE PROPERTY OR LE	AREST ASE LINE, FT.	660 '		120		HIS WELL 40	
18. DISTANCE FROM	t drlg. unit line, if any) PROPOSED LOCATION*	·····		OFOSED DEPTH	20. ROTAE	BY OR CABLE TOOLS	
	LL, DRILLING, COMPLETED, ON THIS LEASE, FT.	N/A		2300'		Rotary	
	w whether DF, RT, GR, et	x.)				22. APPROX. DATE WORK WILL START* ASAP	
3462.0' 0	<u>R</u>			CENENTING DROG		ASAr	
				CEMENTING PROG			
12 1/4"	8 5/8"	24.0	FOOT	450 t	300	QUANTITY OF CEMENT	
7 7/8"	4 1/2"	9.5		2300'	800		
obtained. Drill 7 7 with suff celloflat	Cement to be 7/8" hole to TD. ficient amount of the followed by 2 scribe proposed program is to drill or deepen dire	circulated to Run logs an of Cl C conta 200 sx Class (200 sx class (cionally, give pertine	epen or p nd / or	ace. Nipple of core as needed 8% gel, 2% Cat 6 CaCl ₂ to circ caCl ₂ to circ	present prod and measured	500 psi compressive Test BOP to 600 psi. 4 1/2" casing. Cement /sk salt, 1/4#/sk ement to surface. fosted LDI, NFI, NL 12 10-85	
SIGNED	but Mi	<u>ke Burton</u>	TITLE S	r. Drilling Er	ngineer	DATE 11/14/85	
(This space for	· Federal or State office u	se)					
PERMIT NO.				APPROVAL DATE			
APPROVED BY	MARK L'M	lis .	TILE AL	t ing	11 11408 (DATE 12-5-85	
	PPROVAL, IF ANY :			V		APPROVAL SUBJECT TU CENERAL REQUIREMENTS AN SECONAL STIPULATIONS ATTACHED	

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EW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102

Supersedes Colon

Effective 1-1-65 All distances must be from the outer boundaries of the Section perator lease Well No. SANTA FE ENERGY LUSK 20 FEDERAL 1 Section Township Init Letter Range County Η 20 19S31E EDDY Actual Footage Location of Well: 1980 NORTH 660 leet from the EAST line and feet from the line Ground Level Elev. Producing Formation Pool Dedicated Acreage: 3462.0 Yates N. Hackberry 40 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests of all owners been consolidated by communitization, unitization, force-pooling.etc? Yes X No If answer is "yes," type of consolidation ____ 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 - Santa Fe Energy Company owns 100% operating rights. 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. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief 300 11 ame Federal Lease # NM-63362 2511120 Santa Fe Energy Co. - 100% WI Sr. Drilling Engineer USA - 12.5% to 25% Royalty Company -660'-(sliding scale) Santa Fe Energy Company Cate November 5, 1985 I hernby certify that the well location shown on this plat was plotted from field of actual surveys made by me or under my supervision, and that the same true and correct to the best of my knowledge and belief Date Surveyed 11/01/85 Registered Professional Engineer and or Land Surveyor Certificate No JOHN WEST. 676 330 660 1320 16 50 1980 2310 26 40 2000 1 500 RONALD J. EIDSON 3239 1000 800





Exhibit B Santa Fe Energy Co. Lusk 20 Fed +1 Sec. 20, T-19-S,R-31-E Eddy County, New Mexico APPLICATION FOR DRILLING SANTA FE ENERGY COMPANY Lusk 20 Federal No. 1

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 Rustler.
- 2. The estimated tops of geologic markers are as follows:

Rustler Anhydrite	490
Salado Salt	640
Yates	2132
TD	2300

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	Yates 2132 - 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:

Core:

Yates 2132 - 2192

Logging:

Logging from 1300' - TD: Dual Laterolog with Gamma Ray Neutron-Density with Gamma Ray Computer Process Log over selected intervals

Logging from surface to TD: Neutron with Gamma Ray

