Form 3160-3		*= 1.		E. 61	II. <u>Cas</u> u	BAUT IN cost	(IPLICATE	Form approved.	-26093
(November 1983) (formerly 9-331C)			IED SIAIE	ð 🔹	ビームリー	reverse si	tions on lde)	Budget Bureau Expires August	No. 1004-0136
			T OF THE			8021 0		5. LEASE DESIGNATION	UND BERIAL NO.
			LAND MANA					LC-047633A	-
APPLICATIO	N FOR P	ERMIT	TO DRILL,	DEEP	EN, OR	PLUG B	ACK	6. IF INDIAN, ALLOTTE	B OR TRIBE NAME
	ILL 🗵		DEEPEN		P	LUG BAG	ск 🗆	7. UNIT AGREEMENT I	••
	AS					MULTIP	LB ()	S. FARM OR LEASE NA	
2. NAME OF OPERATOR		OTHER		Z				Marion Feder	
Read & St	evens, In					ECEIVED		9. WELL NO.	
3. ADDRESS OF OPERATOR	1519	Do etta 1	1 114 00000				, C	$\mathbf{D}_{1,1}$	
P. O. BOX 4. LOCATION OF WELL (R At surface	eport location	clearly and	1, NM 88202	th any i	State require	AR.29'89	} }	Tamano Bone	Spring
At surface 600' FNL 8							11		- 0
At proposed prod. son					I	0. C. D.	0.	11. SEC., T., E., M., OR AND SURVEY OR A	BEA
same						ESIA, OFFIC	:E	Sec. 14-T18	
14. DISTANCE IN MILES 12.5 miles				T OFFIC	E*			12. COUNTY OR PARISH	1
15. DISTANCE FROM PROPE	AED	000 11	118 , NM	16. NO	D. OF ACRES I	N LEASE	17 NO. (Eddy	New Mexico
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT.		460'		280			HIS WELL 40	
18. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION	•		19. PI	OPOSED DEPT	H	20. ROTA	RY OR CABLE TOOLS	
OR APPLIED FOR, ON THIS LEASE, FT. 134' (P&A)				(9,200' Rota			ıry	
	ther DF, RT, (GR, etc.)						22. APPROX. DATE WO	
3/24 GL								March 28,	1989
			PROPOSED CASI	NG ANI	CEMENTIN	G PROGRAM	1		
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2400' - 9200'	Cut Bri			u.) - 10.) - 9.		N/C W/L 10 cc
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GENERAL REQUIREM									
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IN ABOVE SPACE DESCRIBE zone. If proposal is to d preventer program, if any	rill or deepen	GRAM : If p directional	roposal is to deep lly, give pertinent	en or pl data of	lug back, give n subsurface l	data on pre locations and	sent produ i measured	active some and proposed and true vertical depth	l new productive s. Give blowout
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(This space for Federa	al or State offi	ce use)							
PERMIT NO.					APPROVAL DAT	E			
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APPROVED BY	L. IF ANY	ulu	ттт	E CARL	<u>GEAD REDOURC</u>	E AREA		DATE 3.2	<u>r r7</u>
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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 fabre, fictitious or translatent statements or representations as so say master within its jurisdiction.

STATE OF NEW MEXICO	
ENERGY AND MINERALS DEPARTMENT	

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P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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APPLICATION FOR DRILLING

READ & STEVENS, INC. Marion Federal, Well No. 1 600' FNL & 2100' FEL, Sec. 14-T18S-R31E Eddy County, New Mexico Lease No.: LC-047633A (Development Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Read & Stevens, Inc. submits the following items of pertinent information in accordance with BLM requirements:

- 1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are as follows:

Yates	2315'	Delaware	4900'
Queen	3400 '	Bone Spring	6238 '
San Andres	4328 '	Τ.D.	9200 '

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

Water: Random fresh water sands from surface to 300'+/-.

Gas: None expected.

Oil: Possible in Queen, San Andres, and Delaware, main objective is Bone Spring below 7600'.

- 4. Proposed Casing Program: See Form 3160-3.
- 5. Pressure Control Equipment: See Form 3160-3 and Exhibit "E".
- 6. Mud Program: See Form 3160-3.
- 7, Auxiliary Equipment: Blowout Preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
- 8. Testing, Logging and Coring Program:

Logging: From surface to T. D: Gamma Ray/Neutron. From int. casing to T. D: CNL-LDT, DLL-MSFL.

Drill Stem Tests: As warranted.

Coring: None planned.

- 9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified.
- 10. Anticipated starting date: As soon as possible after BLM approval. Anticipated completion of drilling operations: Approximately 30 days.



MLOT LAYOUT KIG &

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EXHIBIT "D" READ & STEVENS, INC. Marion Federal, Well No.1 **Rig Layout**