Form 3160-3 H. H. CIL CONS. FIIMMISSIUN (July 1989) RECEPTIVE DIC DEPARTMENT OF BUREAU OF LAND	LUIRFD LUIRFD actions on aide)	30-025-3/189 RIM ROOMELL DISTRICT Hodified Form No. ND60-3160-2 5. LEABE DESIGNATION AND BERIAL NO.					
	NM-54432 C. IF INDIAN, ALLOTTED OR TRIBE NAME						
AR. ITTE OF WORK	IA. TYPE OF WORK						
		7. UNIT AGREEMENT NAME					
2. NAME OF OPERATOR	8. FARM OR LI Mark F	ederal					
Read & Stevens, Inc.		3a. Aren Code & 505/622-3		9. WELL NO.			
P. O. Box 1518	Roswell, NM	88202		2			
4. LOCATION OF WELL (Report location clearly and in accor At surface 460' FSL & 1650' F	dance with any State r	equirements.*)		10. FIELD AND POOL, OR WILDCAT			
At proposed prod. zone	W L			11. BEC., T., R., AND BURYE	M., OR BLK.		
Same 14. DINTANCE IN MILES AND DIRECTION FROM NEAREST TOW	M			Sec 3-T20S-R34E			
33 miles southwest of Hobbs	, NM			12. COUNTY OR PARISH 13. STATE Lea New Mexico			
10. DIATANCE FROM PROPOSED LOCATION TO NEARERT PROPERTY OR LEARE LINE, FT. 460' (Also to bearest drig, unit line, if any)							
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, 689 ' OR APPLIED FOR, ON THIS LEASE, FT. 689 '	18. DISTANCE FROM PROPOSED LOCATION ⁶ TO NEAREST WELL, DRILLING, COMPLETED, COOL 19. PROPOSED DEPTH 20. ROT						
21. ELEVATIONS (Show whether DF, RT, GR, etc.)			 	22. APPROX. DATE WORK WILL START			
363	9.6' GL	Secretary's	Potash	Februa	ry 18, 1991		
HOLE STAT Charling and a	ED CASING AND CEMI	NTING PROGRAM	Capit	an Contro	lled Water Basin		
HOLE SIZE CASING SIZE WEIGHT/FOOT 14 3/4" 11 3/4" 47#	GRADE			1600'	QUANTITT OF CEMENT		
* 7 7/8" 5 1/2" 15.5#	J-55	STC		6600' *	<u>Circ 950 sx C</u> Tieback 200sx		
Mud Descence	•				H + 1000sx HL		
<u>Mud Program:</u> 0' - 1600': Fresh water mud: m 350' - 2150': Brine mud: mud wt. 2100' - 4200': Brine mud: mud wt.	10 ppg, Vis. 28	-32. No W/L c	control	ntrol.			
BOP Program: A 10" 3000 psi wp Shaffer Type "F will be tested before drilling out and will be tested daily.	t with 7 7/8".	BOP will be u	sed as a	a 2000 psi	wp system		
* If drilling conditions dictate: 480 Two Stage DV tool cementing: Stage The 5 1/2" will be cemented to tie N * TO BE VERIFIED By A TEMPERA	2-625 sx HL +	200 sx "C" 200 sx "C"	to tie	back 200	1 X		
IN ABOVE SPACE DESCRIPE PROPOSED PROGRAM : If proposal is zone. If proposal is to drill or deepen directionally, give pe preventer program, if any. 24.							
BIGNED Dearge Smith	Agent		T	Fe	b. 1, 1991		
(This spuce for Federal or State office use)		······································	Inc	DATE			
РЯВМИТ КО		B 4. 1 M.L.					
	APPROVA				D 1 0		
CUNTERAL REQUIREMENTS AND	TITI.E			– DATK <u>– – – – – – – – – – – – – – – – – – –</u>	3~ 9-9/		
STEDENED *See	Instructions On Rev	verse Side					
Title 18 U.S.C. Section 1001, makes it a crime for any pr	erson knowingly and	willfully to make	to any de	partment or n	renew of the		

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

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

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 State of New Mexico Enc. , Minerals and Natural Resources Departmen. T

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator							Lease				·		Well No.	
Rea	d & S	Steven	is,	Inc.				Mar	k Feder	al			2	
	Sectio			Township	0 Soi	.+h	Range	2/1	 East	·, ····		County	Lea	
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460			ç	South					1	650		the Wes	t	
Ground level Elev.		rom the Pro		g Formation		line and	Pool				fect from		Dedicated Acres	age:
3639.6'				aware				Und	coigna	⊨d	uail	Ridge	40	Acres
1. Outlin	ne the ac	reage ded	licated	to the subject	well by	colored pe	ncil or h	achure m	arks on the	plat below		<u> </u>		
2. If mo	re than c	one lease i	is ded	licated to the we	ill, outli	ne each and	identif	y the own	ership there	of (both a	s to worki	ng interest an	d royalty).	
		ne lease (rce-poolir		ferent ownership	p is dedi	cated to th	e well, h	ave the i	nterest of al	i owners t	een conso	lidated by cor	nmunitization,	
	Yes	•		No If		is "yes" ty								
If answe this form			wner	s and tract desci	riptions	which have	e actually	y been co	nsolidated.	(Use reve	erse side of	· · · · · · · · · · · · · · · · · · ·		
			gned t	o the well until	all inter	ests have b	cen con	solidated	(by commu	nitization,	unitization	n, forced-pool	ing, or otherwise)	<u> </u>
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APPLICATION FOR DRILLING

READ & STEVENS, INC. Mark Federal, Well No. 2 460' FSL & 1650' FWL, Sec. 3-T2OS-R34E Lea County, New Mexico Lease No.: NM-54432 (Exploratory 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:

Rustler	1550'	Seven Rivers	3850'
Top of Salt	1770'	Delaware	5600'
Base of Salt	3150'	T .D.	6600'
Yates	3395'		
Queen	3670'		

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

Water: Surface water in the Triassic between 80' - 230'.

Oil: Possible in the Delaware below 5600'

Gas: None expected.

- 4. Proposed Casing Program: See Form 3160-3.
- 5. Proposed 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:

Drill Stem Tests: None unless warranted.

Logging: T.D. to surface casing:

G/R, CNL-FDC, DLL, MLL

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 to increase the mud weight.
- 10. Anticipated starting date: February 18, 1991. Anticipated completion of drilling operations: Approx. 3 weeks.

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

₩EK

P. D. BOX 1498 RDSWELL, NEW MEXICO 88202-1498 505/623-5070 505/746-2719 ROSWELL, NM ARTESIA, NM

RIG #3

BLOWOUT PREVENTOR ARRANGEMENT

2M SYSTEM

10" SHAFFER TYPE "E", 3000 psi WP 80 GALLON, 4 STATION KOOMEY ACCUMULATOR 3000 psi WP CHOKE MANIFOLD



16-11-9-1977

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