١	I. M. DIL CONS. COMM	AISSION		<u> </u>	30-035-	-32166
rolm 3100-3	F. O. BOX 1980 HOBBS, NEW MEXIC		(Othe r	F IN TR. JCATE r instructions on everse side)	<ul> <li>Form approved Budget Bureau</li> </ul>	``
		r of the inter			5. LEASE DESIGNATION	AND SERIAL NO.
		LAND MANAGEMEN			NM-54432 6. IF INDIAN, ALLOTTI	
	ICATION FOR P	ERMIT TO DRILL	L OR DEE	PEN		
1a. TYPE OF WORK b. TYPE OF WELL	RILL 🗵	DEEPEN			7. UNIT AGREEMENT	NAMB
WELL LX	GAS WELL OTHER			ZONE	8. FARM OR LEASE NAME, W	BILL NO.
2. NAME OF OPERATOR	evens, Inc.		505/4	622-3770	Mark Fede	ral
3. ADDRESS AND TELEPHONE NO		·····			5	
<u>P. O. Box</u>		Roswell,			10. FIELD AND POOL,	OR WILDCAT
At surface	Report location clearly and	-	itate requirement	≝.♥)	Quail Ridg	
L At proposed prod. so	1650' FSL & 16	(V)	1		AND SURVEY OR	
at proposed prod. so	Same	(F)			Sec. 3-T2	OS-R34E -
	AND DIRECTION FROM NEAR		•		12. COUNTY OR PARIS	H 18. STATE
	southwest of H				Lea	New Mexico
10. DISTANCE FROM PROF LOCATION TO NEARES PROPERTY OR LEASE	BT	90'	). OF ACRES IN L		DF ACRES ASSIGNED HIS WELL 4 ()	
(Also to nearest dr. 18. DISTANCE FROM PRO TO NEAREST WELL,	lg. unit line, if any)		OPOSED DEPTH		TT OR CABLE TOOLS	
TO NEAREST WELL, or applied for, on th	DRILLING, COMPLETED, HIS LEASE, FT.	190'	6600'	Ro	tary	
21. ELEVATIONS (Show w	hether DF, RT, GR, etc.)	00451.01			22. APPROX. DATE W	
23.	····	3645' GL		······································	May 10, 1	
<b></b>		PROPOSED CASING ANI	CEMENTING P	ROGRAMSECRE	TARY'S POTA	5M
BIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DE		QUANTITY OF CEMI	
<u> </u>	<u>13 3/8"J-55</u> 8 5/8"S-80	<u> </u>	<u>    1600'</u> 5000'		CHUNTESX*	<u>te + 200</u> "C"*
7 7/8"	5 1/2"J-55	15.5#	6600'		ack_w/350_s	MATER Stollake
Mud Program	1 :	I M	ud Wt.	CAPITAN U	W/L Contr	MAIER DASH
0' - 1600			.4 ppg	32	No W/L cont	
	)': Brine mud:	-	0 ppg	28-32	No W/L cont	
	)': Cut brine mud )': Gel & lost circ		1.8 ppg will be adde	32-40		
1000 0300			will be add	eu us neeueu.	GENERAL REQUI	
BOP Program	<u>:</u>					
A 10" 3000 p	<u>:</u> psi wp Shaffer Typ re drilling out wit	e E BOP will insta	alled on the	e 13 3/8" cas	ing. Casing and	BOP Will be
	re driffing out wit	II II. DOP WIII U	iseu as a zu	oo har wh aa		ested damy.
	Circulate 1000 sx				and the second s	Marine War Color
	Cement with DV too		-	3800':	per .	MAN SAN
	ge: Lead 200 sx li ge: Lead 500 sx li			t. Cement to	surface.	202 11/10 201
	-				1	
IN ABOVE SPACE DESCRI	BE PROPOSED PROGRAM: If	proposal is to deepen, give data	a on present product	tive zone and propose	d new productive zorte. He	proposal is to delibor
deepen directionally, give per 24.	tinent data on subsurface locatio	ns and measured and true vertic	al depths. Give blow	vout preventer program,	, if any.	6 North Contraction of the contr
29. K1.	$ \mathcal{D} $		gent for:		A AL	
BIGNED	Clark XM	TITLE_RI	ad & Ste	evens, Inc	DATE MARTO	A PARTIC DO 3
(This space for Fed	eral or State office une)	۲.				and a separate dept. We have
PERMIT NO			APPROVAL DATE _		<u></u>	
	s not warrant or certify that the ap	plicant holds legal or equitable the	tle to those rights in t	he subject lease which v	rould entitle the applicant to	xonduct operations thereon.
CONDITIONS OF APPROVA	AL, IP ANY:		$  \sim  $	17		
<u></u>	All to	to Ant		t 1 \.	1. 1.1	7-93
APPROVED BY	Lathy de	( me/10	1	- Inc	10] DATE	112
		*See Instructions	'On Reverse S	ide		

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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taie Lease - 4 copies							
DISTRICT. J 2.O. Box 1980, Hobbs, NM 81		1	P.O. Box 20		•		
DISTRICT II 10. Drawer DD, Artesia, NM	85210	Santa Fe, M	iew Mexico	87504-2088	2		
DISTRICT III UUU Rio Brazos Rd., Aziec, N				GE DEDICA <sup>®</sup> boundaries of th		т	
Jpcrator			Lease				Well No.
Read & S	Stevens, Inc.		Mark	Federa	1		5
Juit Letter Section	Township		Range	redera.	<b>L</b>	County	· · · · · · · · · · · · · · · · · · ·
K		South	34 E	East	NMIN	4	Lea
vicual Footage Location of We	:11:					West	•
1650 feet from		line and		1650	feet from	nthe west	IInc
Ground level Elev.	Producing Formation		Pool Oursil	Pideo Dol	0140 20		Dedicated Acreage: 40
3645	Delaware	·		Ridge Del			40 Acres
1. Outline the acreage	se dedicated to the subject wel	i by colored pen	cit or hachure m	orks on the plat b	clow.		
3. If more than one i unitization, force- Yes If answer is "no" list	No If an: the owners and tract description	dedicated to the	well, have the i	nterest of all own	ers been conse	olidated by con	
this form if accessa No allowable will be	e assigned to the well until all	interests have be	en consolidated	Chy communitiza	tion unitizatio		ing or otherwise)
	ird unit, eliminating such inten					int renord hoon	
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							R. Smith
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						March 2	3, 1993
		· ·				' SUR VE	YOR CERTIFICATION
	NM- 54432	1					1
	Read & Stevens,	Inc.					ify that the well location shown was plotted from field notes of
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					11		and that the same is true and
3641.6	3643.7	1		·			he best of my knowledge and
_ 1650'		I				belief.	•
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0 330 660 990 133	20 1650 1980 2310 20	640 20	00 1500	1000 5		<b>`</b>	AFESSIVUAL +

## APPLICATION FOR DRILLING

READ & STEVENS, INC. Mark Federal, Well No. 5 1650' FSL & 1650' FWL, Sec. 3-T20S-R34E Lea County, New Mexico Lease No.: NM-54432 (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:

Rustler	1550'	Seven Rivers	3850'
Top of Salt	1770'	Delaware	5620'
Base of Salt	3150'	<b>T.D.</b>	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:

T.D. to surface:

Drill Stem Tests: None unless warranted.

G/R, CNL-FDC, DLL, MSFL Ġ/R, neutron

Coring: None planned.

Logging: T.D. to 5000':

- 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. Estimated BHP = 3000 psi with temperature of 110°.
- 10. H<sub>o</sub>S: None expected. None in previously drilled wells.
- Anticipated starting date: May 10, 1993.
   Anticipated completion of drilling operations: Approx. 3 weeks.

## RIG #301

## BLOWOUT PREVENTOR ARRANGEMENT

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





22 No. 30 April 1