х. х. х	~~			ns. commissio	N -	30-	D25-3	32153	
Form 3160-3		₽.0. BOX				 Form 	n approved.		
(December 1990)		UNITED HARRES NEW MEXICO # 88240 ** **					Budget Bureau No. 1004-0136 Expires: December 31, 1991		
	DEPARTMENT	OF THE IN	TEF	RIOR		5. LEASE	DEBIGNATION	AND SEBIAL NO.	
BUREAU OF LAND MANAGEMENT						NM-54432			
APPL	ICATION FOR P	ERMITTOD	RĮLI	LOR DEEPEN		6. IF IND	IAN, ALLOTTE	S OR TRIBE NAME	
14. TYPE OF WORK		DEEDEN	飼入			7. UNIT	AGREENENT N	AND	
D. TYPE OF WELL	1 (S)								
	WELL X OTHER	1. 2	1 (M) 1 (M)	NGLE MULTIPI		8. FARM OF	LEASE NAME, WE	LL NO.	
2. NAME OF OPERATOR			12				k Feder	<u>`al</u>	
Read & Ste	معكورا بالم	4	S.	505/622-3	770	9. API WEL	LNO.		
3. ADDRESS AND TELEPHONE NO.	N. DE.	4 DOSWA	З/	NM 88202		7	AND POOL.		
P. O. BOX 1518 A. LOCATION OF WELL (Report location clearly and in secondance with any State requirements.*)							N osth Lea Penn		
At surface 1650' FSL & 1980-FEL						11. SBC., T., B., M., OB BLE.			
At proposed prod. so:	ne					AND	SURVET OR AI		
	Same		· · · ·)S-R34E	
	AND DIRECTION FROM NEAL		OFFICI	F. •			TT OR PARISH		
33 MITES S 15. DISTANCE FROM PROP	outhwest of H		16 NO	. OF ACRES IN LEASE	17 NO. 6	Lea		New Mex	
LOCATION TO NEARES Property or lease	IT	90'		320		HIS WELL	160		
18. DISTANCE FROM PRO	POSED LOCATION®	,	19. PR	OPOSED DEPTH	-	RY OR CABL	E TOOLS	<u> </u>	
OR APPLIED FOR, ON TH	HIS LEASE, FT.	322.4'		14,000'	Ro	tary			
21. ELEVATIONS (Show wh	bether DF, RT, GR, etc.)	3651' GL					ust 2,	1993	
23.		PROPOSED CASIN	G ANI	CEMENTING PROGRAM	1	Sec	erary's l	Flagutan	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOO	т	SETTING DEPTH			TITT OF CEME		
17 1/2"	13 3/8"J-55	54.5#		1600'				e + 200	
11"	8 5/8"S-80 5 1/2"J-55	32.0#		<u>5000'</u> 14,000'		1100		50 POZ	
	5 1/2 5-55								
<u>Mud Program:</u> 0' - 1.	,600': Fresh wat	or Col/lime		<u>Mud Wt.</u> 8.7- 9.0 ppg		<u>is.</u> - 36		<u>Control</u> control.	
,	,000 : Flesh wat ,000': Brine wat			10.0-10.3 ppg		- 29		control.	
	,900': Cut Brine			8.7- 9.2 ppg	28 ·	- 29	No W/L	control.	
10,900' - 12,000': Brine Water:				9.8-10.2 ppg		- 34		control.	
12,000' - TD	: Brine wat			10.0-10.6 ppg	32 -	- 50	W/L co	ntrol 3-10	
	Capita	n Controlled	W	ater Basin					
BOP Program: An 11" 5000 r	osi wp Shaffer T				d on tl	he 13 3	3/8" cas	ing.	
	OP will be teste								
-						APPROVA	L SUBJECT	r to	
	ement with DV to				0001.			MENTS AND	
	e: Lead 200 sx e: Lead 500 sx				t Cer	SPECIAL.	STIPHAT	ONS	
Znu stage	e. Dead 000 SX		cu.	II W/200 BA HCu		ATTACHE			
								152	
IN ABOVE SPACE DESCRI deepen directionally, give per	BE PROPOSED PROGRAM: If tinent data on subsurface locatio	proposal is to deepen, g ns and measured and tru	e vertic	al depths. Give blowout preven	na proposed ter program,	if any.	cuve zone. It p	roposal is to drift	
24.	·) /	·····		gent for:			June	15, 1993	
SIGNED Dig	Legen Danie	Tt		ad & Stevens	<u>. Inc</u>	DA	TE		
(This shuce for Fad	eral or State office use)					<u></u>			
TIMM OPACE IN ICU									
PERMIT NO		······································		APPROVAL DATE					
	a not warrant or certify that the ap	plicant holds legal or equ	itable ti	tle to those rights in the subject l	case which w	rould entitle th	ne applicant to o	NUMER OF COMPANY OF COMPANY	
CONDITIONS OF APPROV	ац, if ANY:	,			\frown				
	fatter &	t.	Λ	tt (J.L	$\left(\right)$	4	7-20	1-97	
APPROVED BY	ruing la	102 mie -	17	19 Stell	V llec	Ø DATE _	1-20	<u> </u>	
//		*See Instruc	tions	On Revene Side					

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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 way false, fictitious or frandulous statements or proceentations as to any matter within its jurisdiction.

x Lebse - 3 copies

1STRICT I .O. Box 1980, Hobbs, NM 88240

U. Drawer DD, Anesia, NM 85210

CL CONSERVATION DIVISIO P.O. Box 2088 Santa Fe, New Mexico 87504-2088

USTRICT III COU Rio Brazos Rd., Aziec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section

Jpcrator				Lease	Federal			Well No.	7
Read & S		1 Towaship	<u> </u>	Range	Tederar			<u> </u>	
J	3		South	34 East	,	<u>NM[M</u>	1	Lea	
Venual Footage Location of 1650 feet fi	rom the	South	line and		1980	feet from	Uie East	linc	
Ground level Elev. 3651	Producin Mor	row		Pool North L	ea Penn			Dedicated Acreage: 160	CTES
2. If more than o	one lease is dee	dicated to the well	I, outline each and	identify the owner well, have the inte	ship thereof (bu	th as to worki			· · ·
unitization, fo Yes If answer is "no" this form if nece No allowable wi	ree-pooling, et list the owner tensary.	c.? No If : rs and tract descri- to the well until a	answer is "yes" ty ptions which have ull interests have b	pe of consolidation actually been cons	solidated. (Use	reverse side o	ſ		
or until a non-st	andard unit, eli	iminating such int	eres, has been ap	proved by the Divis	sion.			TOR CERTIFICA	
						1 1	I hereby consained her	Y CERTIFICA y certify that the ein in true and comp wiedge and belief.	information
							Signature Printed Name		· · ·
				†			Position Agent	R. Smith	
							$\frac{\text{Read } \&}{\text{Dute}}$	Stevens, Inc	
	 		NM-5443	32			SURVE	EYOR CERTIFIC	
				Stevens, I	nc.		on this plat actual surve supervison,	tify that the well loc wax plotted from fi sys made by me of and that the same	eld notes i • under m is true an
			3648.5	9	<u> </u>	<u>980'</u>	beiief.	the best of my know	. <u></u>
			3649.8	3647.3			May 24 Signature & Professional P.R. H	Sect of Q.	L'ION
				1650			Ceruificate	8112 	
0 330 660 990	1320 163	50 1980 2310	2640	2000 1500	1000	son 0		No. PROFESSIONA	

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APPLICATION FOR DRILLING

READ & STEVENS. INC. Mark Federal, Well No. 7 1650' FSL & 1980'FEL, 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	1570'	Bone Spring	8270'
Top of Salt	1790'	Wolfcamp	11,020'
Base of Salt	3170'	Strawn	12,130'
Yates	3415'	Morrow	13,010'
Queen	3690'	Mississippi	13,620'
Delaware	5620	T.D.	14,000'
Bone Spring	8270		

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 5620' and Bone Spring below 8270'.

Gas: Possible in the Morrow Clastic below 13,010'.

- 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 5000':T.D. to surface:G/R, CNL-FDC, DLL, MSFLCoring: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. Estimated BHP = 5600 psi (evac. hole) with temperature of 178°.
- 10. H₂S: None expected. None in previously drilled wells.
- 11. Anticipated starting date: August 2, 1993. Anticipated completion of drilling operations: Approx. 8 weeks.

RIG #2

BLOWOUT PREVENTOR ARRANGEMENT

II" SHAFFER TYPE LWS, 5000 psi WP II" CAMERON SPHERICAL, 5000 psi WP 120 GALLON, 5 STATION KOOMEY ACCUMULATOR 5000 psi WP CHOKE MANIFOLD

