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DISTRIBUTION	NEW MEXICO OIL CONSERVATION COMMISSION			Form C-101	
SANTA FE			F	tevised 1-1-65	
FILE			ſ		Type of Lease
U.S.G.S.				STATE X	FEE
LAND OFFICE			-	5, State Oil &	Gas Lease No.
OPERATOR				0G-4886	
			7	IIIIII	
APPLICATION FOR P	ERMIT TO DRILL, DEEPEN	, OR PLUG BACK			
1a. Type of Work				7. Unit Agree	ment Name
DRILL	DEEPEN	PL U			
b. Type of Well				8, Farm or Le	ease Name
OIL A GAS WELL OT	THER	ZONE X	ZONE	Wainoco	State
2. Name of Operator				9. Well No.	
Read & Stevens, Inc.				2	
3. Address of Operator				10. Field and Pool, or Wildcat	
P. O. Box 1518, Roswell,	New Mexico 88201			Quail Q	ueen
4. Location of Well H	LOCATED 1980	FEET FROM THE	th LINE		
AND 660 FEET FROM THE Eas	St LINE OF SEC. 11	TWP. 19-5 RGE. 3	4-E NMPM		
				12. County	
				Lea	
				111111	
		19. Proposed Depth	19A. Formation		20. Rotary or C.T.
		6200'	Queen		Rotary
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor		22. Approx.	Date Work will start
3966.5' GR - 3977' RKB	Statewide	WEK Drilling Co.		June	8, 1979
23.		ND CEMENT PROGRAM			

SIZE OF CASING WEIGHT PER FOOT SIZE OF HOLE SETTING DEPTH SACKS OF CEMENT EST. TOP 11" 575 sx 8 5/8" 24# 1850' Circulated 700 sx 4 1/2" 7 7/8" 10.5# 6200' 3,200'

See attached well prognosis for drilling program and blowout preventer data. Casinghead gas from this proration unit is dedicated to Warren Petroleum Company.

IN A BOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUC-TIVE ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and bellef. Signed Haup Milersange Title Agent	DuteJune_5, 1979
(This pace for State Use): APPROVED BY SUPERVISOR DISTRICT I	,111N 11 1979
CONDITIONS OF APPROVAL, YF ANY:	

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## JUN 8 1979 OIL CONSERVATION COMM,

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#### NEW ICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form C-102 Supersedes C-128 Effective 1-1-65

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		All distances must be from (	die outer boundaries of	Che Section	
READ and STEVENS, INC.			tate	Well No. 2	
Crut Letter	Section	Township	Range	County	
"H"	11	19 South	34 East	Lea	
Actual Footage Loc	ation of Well;	-			
1980	feet from the NO			t from the East	line
Ground Level Elev. 3966.5	Producing For Queen	mation Poo	Quail Quee	n	Dedicated Acreage: 40.00
and the second s	~	ted to the subject well			e plat below
	-				hereof (both as to working
	nd royalty).				
				have the interests of	all owners been consoli-
dated by c	ommunitization, u	initization, force-pooling.	etc?		
[] Yes	No If a	nswer is "yes," type of co	nsolidation	<u></u>	
		owners and tract descript	ions which have ac	tually been consolid:	ated. (Use reverse side of
	f necessary.)				
					munitization, unitization,
torcea-poo sion.	ling, or otherwise;	or until a non-standard u	ni, enminating suc	n milerests, has been	approved by the Commis-
B 1011.				1	
	1				CERTIFICATION
	1				
	ł			/ hereby	certify that the information con-
			1	toined he	rein is true and complete to the
	1		l	best of m	y knowledge and belief.
	I		80		$\mathcal{I}$
	1		6	An	the marrow the
L		+		John L.	Anderson, Jr.
	I.			Fosition	
	4			Agent	
	ł			Company	
	I				Stevens, Inc.
	ł		Pennzoil OG-4886		1070
	l	2	State	June 5,	T3.13
	<u> </u>			ł	
	1		1	i hereby	certify that the well location
	I		1	shown on	this plat was plotted from field
			A F 14/ Star		actual surveys made by me or
			NOT MAR		supervision, and that the same
	1			is true o	and correct to the best of my
	1		HERSCHEL	knowledg	e and belief.
L	+		- L-JONES- +		
	I		3640		
	1		PEP LAND SUP	Date Survey	
	1	<i>v</i>	LANV	Registered	May 31, 1979 Professional Engineer
	i i			and/or Lan	
	1			2	in held
L				Crtificate	No. AGUD
0 330 660	190 1320 1650 19	10 231C 2640 2000	1500 1000 1		Uson

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JUN 8 1979 OIL CONSERVATION COMM. HOBES. N. M.

OPE RATOR:	READ & STEVENS, INC.
WELL:	#2 Wainoco State
FIELD & DEPTH:	Quail Queen - 6200'
LOCATION:	1980' FNL & 660' FEL Sec. 11, T-19-S, R-34-E, Lea County, New Mexico
CONTRACTOR:	WEK Drilling Company - Rig #3
ELEVATION:	3966.5' GR - 3977' RKB

#### ESTIMATED FORMATION TOPS

T/Anhydrite	1799'	(+2178)
T/Salt	1917'	(+2060)
B/Salt	3262'	(+715)
T/Yates	3527'	(+450)
T/Queen Sand	4697 <b>'</b>	(-720)
T/Penrose sands	4972'	(-995)

#### CASING PROGRAM

<u>Hole Size</u>	Casing Size	Wt. Per foot	Setting Depth	Cement
11"	8 5/8"	24#	1850'	575 sx. circulated
7 7/8"	4 1/2"	10.5#	<b>6</b> 200'	700 sx.

#### MUD PROGRAM

- 0' 1,850' Spud mud with gel/lime slurry. Mud wt. 9.0#-9.5#, Vis. 32-34, WL no control.
- 1,850' 4,600' Clear water and native mud. Mud wt. 10.0#-10.2#, Vis. 28-32, WL no control.
- 4,600' 6,200' Salt gel mud system. Mud wt. 9.5#-10.2#, Vis. 36-38, WL 20.

#### DRILLING AND CEMENTING PROGRAM

- Drill ll" hole to 1850' and set 8 5/8", 24#, S.T. & C. casing at 1,850' cemented with 575 sx. Class C. Cement with 2% CaCl<sub>2</sub> and 8# salt per sx. Cement will be circulated.
- 2. Drill 7 7/8" hole to 6,200' and, if production is indicated, set 4 1/2" casing to total depth. Cement from total depth to 3,200' with 700 sx. Class C pozmix with 1/4# floseal and 6# salt per sx. with .5 of 1% CFR-2.

#### EVALUATION PROGRAM

Start salt gel mud system at 4,600' for increased sample quality. Drill to total depth and run logs. Take selected sidewall cores for additonal formation evaluation.

#### LOGGING PROGRAM

Run Simultaneous Gamma Ray-Caliper, Compensated Neutron Formation Density as porosity tool with Dual laterolog as Resistivity tool. Detail from 3,400' to total depth.

#### BLOWOUT PREVENTER SYSTEM

Drilling rig will be equipped with a 10" Shaffer Type E Series 900, blowout preventer with double rams and rated to 3,000# working pressure with Payne dual control 3,000# closing unit and Payne dual control 300# accumulator.

Well site supervision will be maintained from surface to total depth. Samples will be caught, washed and sacked from below surface string to 1,850' to total depth at 10 foot intervals. Mechanically recorded drilling time will be maintained from surface to total depth. Blowout preventer stack and casing head will be independently pressure tested before drilling into the Queen formation. A daily check of the blowout preventer system will be made from 4,600' to total depth.

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