23.

\*\* 8 5/8": Cement with DV tool in two stages starting at 3800':

1st stage: Lead 200 sx lite, tail in w/200 sx "C".

2nd stage: Lead 500 sx lite cement, tail w/200 sx "C". Cement to surface

GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS

ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

BIGNED Luizary Smith	TITLE	Agent for: Read & Stevens,	Inc.	D <b>ate</b> _	Jan.	31,	1997
(This space for Federal or State office use)			· · · · · · · · · · · · · · · · · · ·	<del>*</del>			
PERMIT NO.		APPROVAL DATE	· · · · · · · · · · · · · · · · · · ·				
Application approval does not warrant or certify that the applicant holds lega-	al or equitabl	e title to those rights in the subject lease v	vhich would en	title the app	plicant to cond	luct operal	tions thereon.

CONDITIONS OF APPROVAL, IF ANY:

S/FOR 16 SplendokiA mile / 1271mg STATE ) Waltomare 3.7.77

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.



DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

#### State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II P.O. Drawer BD, Artesia, NM 88211-0719

DISTRICT III

41

1000 Rio Brazos Rd., Astec, NM 87410

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe. New Mexico 87504-2088

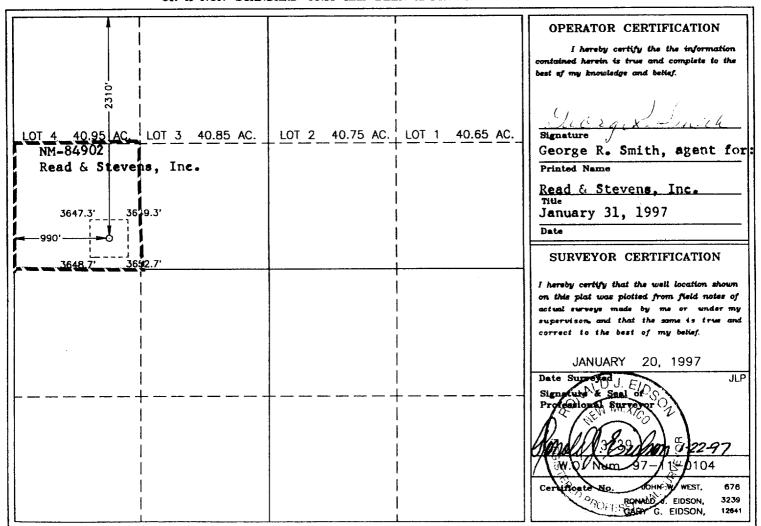
☐ AMENDED REPORT

DISTRICT IV P.O. Box 2068, Santa Fe, NM 57504-2058

### WELL LOCATION AND ACREACE DEDICATION PLAT

5-33	884	37	Fool Code		NE Lea 1	Pool Name Delaware		*
ode						4	Well Num	ber
7		Operator Name READ & STEVENS, INC.					Elevation 3647	
Surface Location								
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	20 S	34 E		2310	NORTH	990	WEST	LEA
Bottom Hole Location If Different From Surface								
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	Section 3	Section Township 3 20 S	Section Township Range 3 20 S 34 E Bottom	Section Township Range Lot Idn 3 20 S 34 E  Bottom Hole Loc	Property Name QUAIL FEDER Operator Name READ & STEVEN Surface Local Section Township Range Lot Idn Feet from the 2310  Bottom Hole Location If Difference Description of the Location In Difference Description Description of the Location In D	Property Name QUAIL FEDERAL  Operator Name READ & STEVENS, INC.  Surface Location  Section Township Range Lot Idn Feet from the North/South line 3 20 S 34 E 2310 NORTH  Bottom Hole Location If Different From Sur	Property Name QUAIL FEDERAL  Operator Name READ & STEVENS, INC.  Surface Location  Section Township Range Lot Idn Feet from the North/South line Feet from the 2310 NORTH 990  Bottom Hole Location If Different From Surface	Operator Name  QUAIL FEDERAL  Operator Name READ & STEVENS, INC.  Surface Location  Section Township Range Lot Idn Feet from the North/South line Feet from the Rast/West line  3 20 S 34 E 2310 NORTH 990 WEST  Bottom Hole Location If Different From Surface

### NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



# APPLICATION FOR DRILLING READ & STEVENS, INC.

Quail Federal, Well No. 4

2310' FNL & 990' FWL, Sec. 3-T20S-R34E

Lea County, New Mexico Lease No.: NM-84902 (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	1,580'	7 Rivers	8,250'
Top of Salt	1,770'	Delaware	5.200'
Base of Salt	3,120'	Bone Spring	8,200'
Yates	3,200'	T.D.	8,400'

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 5500'.

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 5000':

G/R, CNL-FDC, DLL, MSFL

T.D. to surface:

G/R, neutron

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. Estimated BHP = 3300 psi (evac. hole) with temperature of  $140^{\circ}$ .
- 10. H<sub>2</sub>S: None expected. None in previously drilled wells, but a Drilling Operations Plan, Exhibit "F", is being submitted to cover this contingency.
- 11. Anticipated starting date: March 15, 1996.
  Anticipated completion of drilling operations: Approx. 3 weeks.

## DRILLING CO., INC. - DIL WELL DRILLING CONTRACTORS

197 34 34

P. Q. 80x 1498 ROS 808/623-8070 ROSWELL, NM

ROSWELL, NEW MEXICO 88202-1498 170 505/746-2719 NM ARTEBIA, NM

## RIG # 1

# BLOWOUT PREVENTOR ARRANGEMENT

II" SHAFFER TYPE LWS, 5000 psi WP
II" GK HYDRIL, 5000 psi WP
80 GALLON, 4 STATION PAYNE ACCUMULATOR
3000 psi WP CHOKE MANIFOLD

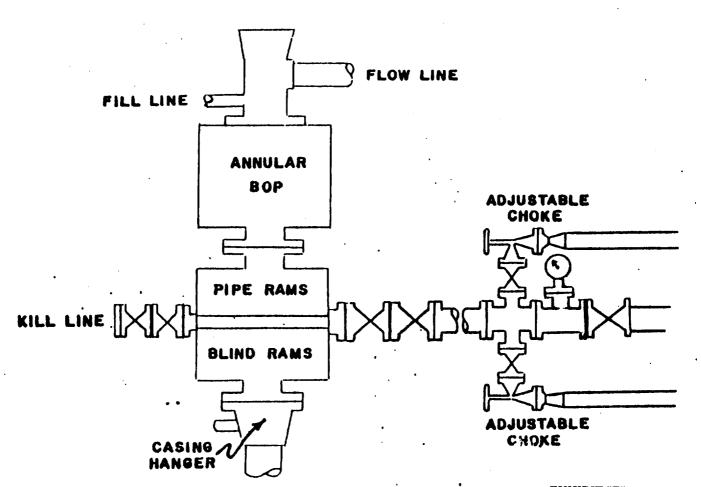


EXHIBIT "E"
READ & STEVENS, INC.
Quail Federal, Well No. 4
BOP Specifications