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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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

D

STRICT I). Box 1980, Hobbs, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 instruction on back Submit to Appropriate District Office

676 3239

State Lease - 4 Copies Fee Lease - 3 Copies

STRICT II). Drawer DD, Artesia, NM 88210

STRICT III

OIL CONSERVATION DIVISION
P.O. Box 2088

	Rd., Astoo, N	™ 87410		Santa Fe	P.O. Box e, New Mexi	co 87504-2088		□ AMENDED	REPORT
			WELL LO	CATION	AND ACRE	AGE DEDICATI	ON PLAT		
_	Number	, , -		Pool Code		VE lea	Pool Name		
30-02 Property		1003	3	758	Property Na		ige Delaware		
16990					QUAIL FED	Well Number			
OGRID No.				Operator Na	Klevation				
18917			REAL	D & STEVE	3649				
		····			Surface Lo	cation '			
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· · · · · · · · · · · · · · · · · · ·			Bottom	Hole Loc	ation If Diff	erent From Sur	face		
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40	<u> </u>					UNTIL ALL INTER			
							OPERATO	OR CERTIFICAT	TION
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APPLICATION FOR DRILLING READ & STEVENS, INC.

Ouail Federal, Well No. 2

2310' FNL & 1980' FWL. Sec. 3-T20S-R34E

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'	Bone Spring	8,250'
Top of Salt	1,770'	T.D.	8,400'
Base of Salt	3,120'		
Yates	3,200'		
7 Rivers	3.6701		
Delaware	5,200'	•	

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°.
- 10. H₂S: None expected. None in previously drilled wells, but a Drilling Operations Plan, Exhibit "F", is being submitted to cover this this contingency.
- 11. Anticipated starting date: October 15, 1996
 Anticipated completion of drilling operations: Approx. 3 weeks.

MULTI POINT SURFACE USE AND OPERATIONS PLAN

READ & STEVENS. INC.
Quail Federal, Well No. 2
2310' FNL & 1980' FWL, Sec. 3-T20S-R34E
Lea County, New Mexico
Lease No.: NM-84902
(Development Well)

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, to be followed in rehabilitating the surface environmental effects associated with the operations.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a USGS/BLM Topo map showing the location of the proposed well as staked. The well site location is approximately 51 road miles northeast of Carlsbad, New Mexico or 30 road miles southwest of Hobbs, NM. Traveling east from Carlsbad there will be approximately 48 miles of paved highway and 1.2 mile of gravel ranch/oilfield road.
- B. Directions: Travel east from Carlsbad, NM on U.S. Highway 62/180 for approximately 42 miles; turn south .3 mile east of MM 78 at a cattle guard with a steel unlocked gate. Continue south for .4 mile, then turn east for 1.2 mile to the location, which is approximately 110 feet west of the existing access road. The existing access road will be moved to the east side of the proposed pad, creating a detour around and an access for the pad.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The proposed reroute of the access road will be constructed to a width of 12 feet and will be approximately 400 feet in length. The proposed access road is color coded red on Exhibit "B".
- B. Construction: The proposed access road will be constructed by grading and topping with compacted caliche and will be properly drained.
- C. Turnouts: None required.
- D. Culverts: None required.
- E. Cuts and Fills: Will require leveling of 2 to 3 foot sand dunes and deflation basins.
- F. Gates, Cattleguards: None required.
- G. Off Lease R/W: The existing off lease R/W No. NM-70565, as amended, will cover the off lease portion of the existing access road on Federal surface back to US Highway 62/180. See Exhibit "B".

3. LOCATION OF EXISTING WELLS:

A. Existing wells within a two mile radius are shown on Exhibit "C".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are no oil production facilities on the lease at this time.
- B. If the well proves to be commercial, the necessary production facilities,gas production-process equipment and tank battery will be installed on the drilling pad, or flow line consisting of a 5,000 psi 2 3/8" steel tubing will be run parallel to the existing access roads to the Quail Fed., Well No. 1 pad 2310' FNL & 1980' FEL Sec. 3-T20S-R34E.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with fresh water that will be obtained from private or commercial sources and will be transported over the existing access roads.

6. SOURCE OF CONSTRUCTION MATERIALS:

A. Caliche for surfacing the proposed access road and well site pad will be obtained from an approved Federal pit in the SW\SW\% of Section 26-T19S-R34E. No surface materials will be disturbed except those necessary for actual grading and leveling of the drill site and access road.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. All pits will be fenced with normal fencing materials to prevent livestock and wildlife from entering the area.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or a separate disposal application will be submitted to the BLM for approval.
- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. Trash, waste paper, garbage and junk will be contained in trash bins to prevent scattering and will be removed for deposit in an approved sanitary land fill within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

A. None required.

Read & Stevens, Inc. Quail Federal, Well No. 2 Page 3

9. WELL SITE LAYOUT:

- A. Exhibit "D" shows the relative location and dimensions of the well pad, reserve pits, and major rig components. The pad and pit area has been staked and flagged, 400' X 400'.
- B. Mat Size: 200' X 300', plus 100' X 75' reserve pits. The pits will be turned to the northwest to parallel the existing access road.
- C. Cut & Fill: There will be a leveling of 3 to 5 foot sand dunes and deflation basins.
- D. The surface will be topped with compacted caliche and the reserve pits will be plastic lined.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the well site in an aesthetically pleasing a condition as possible.
- B. Any unguarded pits containing fluids will be fenced and screened until they are filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled as soon as they are dry enough to work after abandonment.

11. OTHER INFORMATION:

- A. Topography: The proposed well site and access road is located in an area of sand dunes and deflation basins which is part of the Querecho Plains. The location has a slight southwesterly slope of .7% from an elevation of 3649'.
- B. Soil: The topsoil at the well site is a light yellowish-brown fine to course sand of the Pyote soils and Dune land Series.
- C. Flora and Fauna: The vegetation cover is a poor grass cover of three-awn, sand and spike dropseed, grama and other miscellaneous native grasses along with plants of mesquite, yucca, shinnery oak brush, sage, sunflowers, broomweed, cacti and miscellaneous weeds and wildflowers. The wildlife consists of rabbits, coyotes, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
- D. Ponds and Streams: None in area.
- E. Residences and Other Structures: None in the immediate area, except oil production facilities.
- F. Land Use: Cattle grazing.

Read & Stevens, Inc. Quail Federal, Well No. 2 Page 4

11. OTHER INFORMATION;

cont.....

- G.. Surface Ownership: The proposed well site and access road are on Federal surface.
- H. There is no evidence of archaeological, historical or cultural sites on the proposed 400' X 400 site and access road. An archaeological survey has been conducted by Archaeological Survey Consultants, P. O. Box D, Roswell, NM 88202, and their report will be submitted to the appropriate government agencies.

12. OPERATOR'S REPRESENTATIVE:

A. The field representative responsible for assuring compliance with the approved surface use and operations plan is as follows:

Carl Little Read & Stevens, Inc. P.O. Box 1719 Lovington, NM 88261

Roswell Office Phone: (505) 622-3770 Lovington Office Phone: (505) 392-8777 Cellular Phone: (505) 626-7421

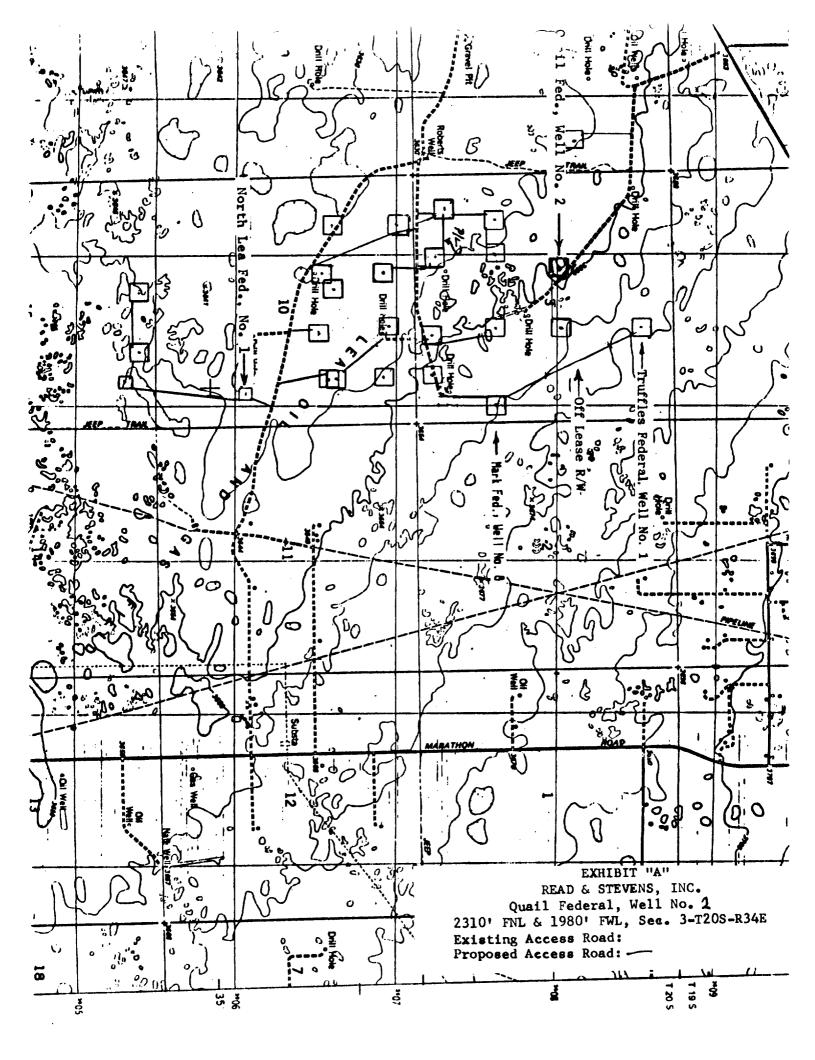
3. CERTIFICATION:

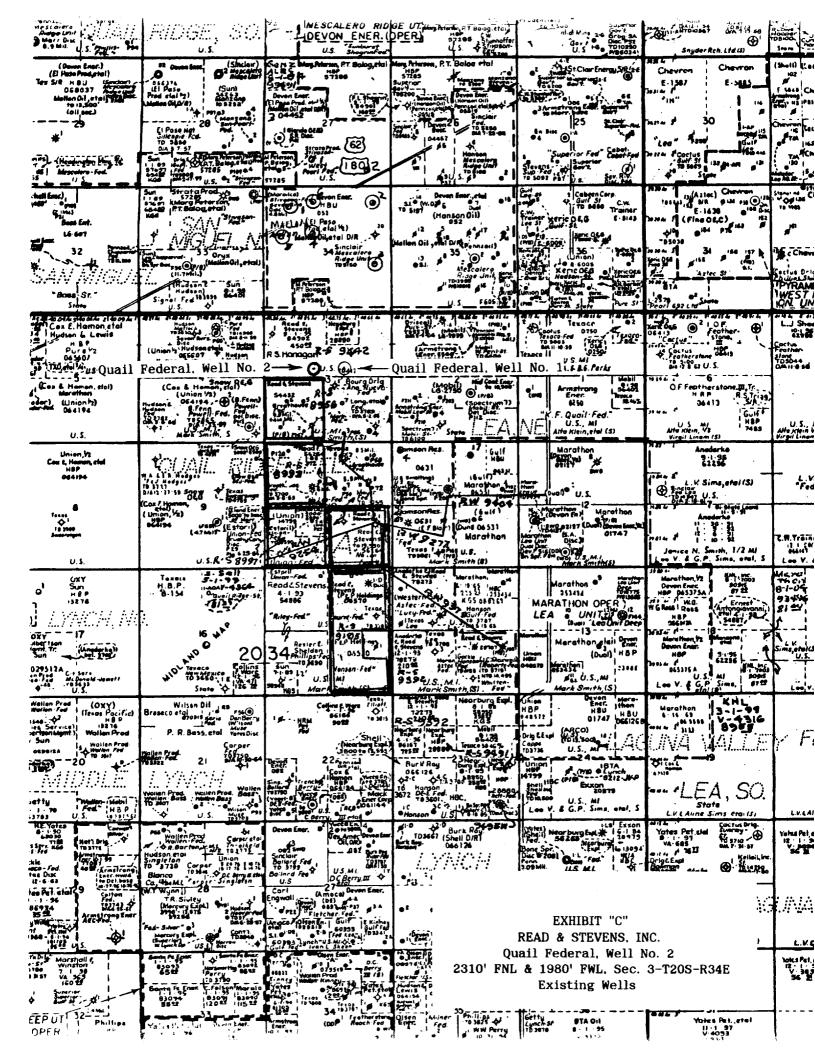
I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Read & Stevens, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

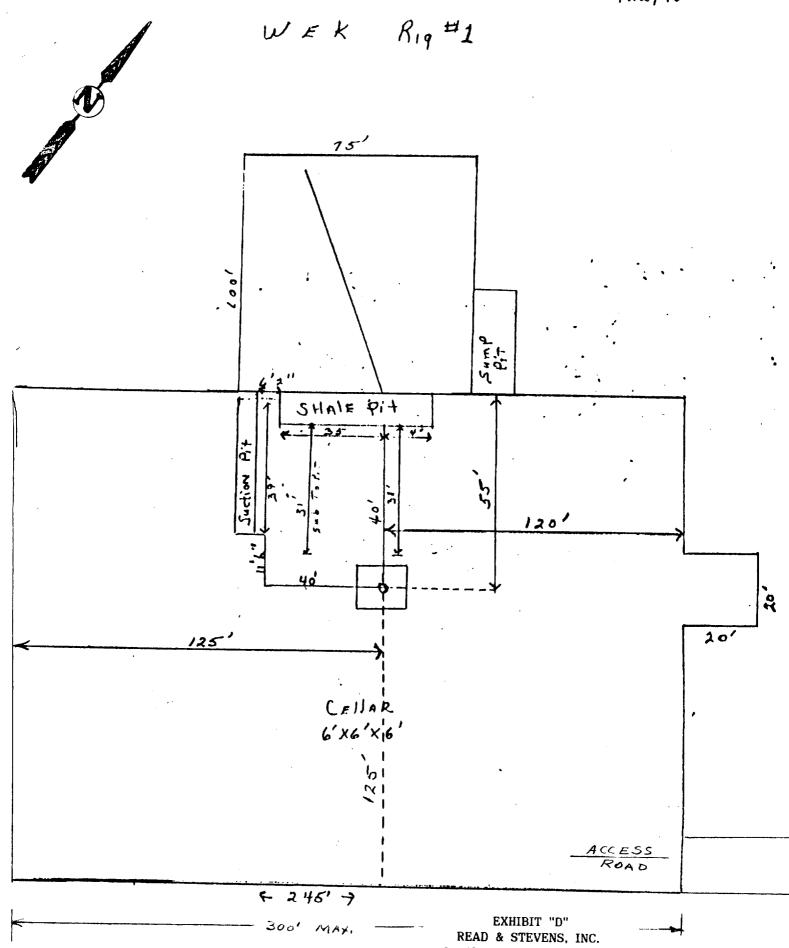
September 20 1996

George R. Smith

Agent for: Read & Stevens, Inc.







READ & STEVENS, INC. Quail Federal, Well No. 2 Pad & Pit Layout



DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

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

RIG # I

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

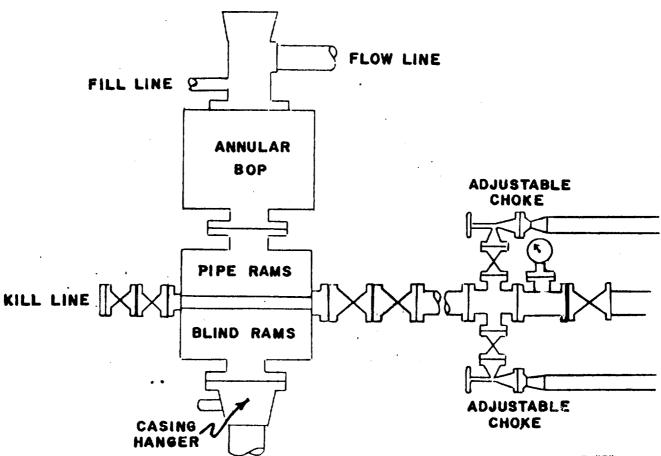


EXHIBIT "E"

READ & STEVENS, INC.

Quail Federal, Well No. 2

BOP Specifications

EXHIBIT "F"

READ & STEVENS, INC.

Hos Drilling Operations Plan

For:

Quail Federal. Well No. 2 2310' FNL & 1980' FWL. Sec. 3-T20S-R34E

I. HYDROGEN SULFIDE TRAINING

All key personnel whether regularly assigned, contracted or employed on an unscheduled basis will receive or represent that they have received training in accordance with the general training requirements outlined in the API RP49 for safe drilling of wells containing hydrogen sulfide, Section 2.

In addition, supervisory personnel will be trained in the following areas:

- 1. The corrective action and shut-in procedures when drilling or reworking a well, and blowout prevention in well control procedures.
- The contents and requirements of the H₂S drilling operations plan.

II. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All $\rm H_2S$ safety equipment and systems will be installed, tested and operational when drilling reaches a depth of 500' above the first zone containing or reasonably expected to contain 100 ppm or more hydrogen sulfide.

- 1. Well Control Equipment:
 - a. Flare line with a continuous pilot.
 - b. Choke manifold with a minimum of one choke.
 - c. Blind rams and pipe rams to accommodate all drill pipe sizes with a properly sized closing unit.
 - d. Auxiliary equipment to include and annular preventer and a rotating head.

2. Protective Equipment:

- a. Proper protective breathing apparatus shall be readily accessible to all essential personnel on the drill site
- 3. H₂S and Monitoring Equipment:
 - a. Three portable H₂S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens.
- 4. Visual Warning Systems:
 - a. Wind direction indicators as shown on well site diagram.
 - Caution/Danger signs shall be posted on roads providing direct access to location.

Read & Stevens, Inc. Quail Federal, Well No. 2 Page 2

5. Mud Program:

a. The mud program has been designed to minimize the volume of $\rm H_2S$ circulated to the surface. Proper mud weight and safe drilling practices will minimize hazards when penetrating $\rm H_2S$ bearing zones.

6. Communications:

- Radio communications are available in company vehicles and at the rig site.
- b. Land line "telephone" communications at field office.

7. Well Testing:

a. Drillstem testing will be performed with a minimum number of personnel in the immediate vicinity which are necessary to safely and adequately conduct the test. When drillstem testing intervals known to or reasonably expected to contain 100 ppm or more H₂S, the drillstem test will be conducted during daylight hours and formation fluids will not be flowed to the surface.