

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

322

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐  
SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Shackelford Oil Company

3. ADDRESS AND TELEPHONE NO.  
P. O. Box 10665 Midland, TX 79702 (915)682-9784

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
1980' FSL & 660' FEL  
At proposed prod. zone  
1980' FSL & 660' FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
18.5 miles SE of Maljamar, NM

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE  
959.96

17. NO. OF ACRES ASSIGNED  
TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 990'

19. PROPOSED DEPTH  
9700'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 3581.8

22. APPROX. DATE WORK WILL START\*  
February 10, 2000

5. LEASE DESIGNATION AND SERIAL NO.  
NMNM - 17238

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME, WELL NO.  
Tonto Federal #4

9. APWELL NO.  
3-025-34935

10. FIELD AND POOL, OR WILDCAT  
Teas Delaware

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 3 T-20-S R-33-E

12. COUNTY OR PARISH  
Lea

13. STATE  
NM

| PROPOSED CASING AND CEMENTING PROGRAM |                       |                 |               |                                   |
|---------------------------------------|-----------------------|-----------------|---------------|-----------------------------------|
| SIZE OF HOLE                          | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT                |
| 17 1/2                                | 13 3/8 J-55           | 48#             | 1300'         | 530 SX Class C                    |
| 12 1/4                                | 8 5/8 J-55            | 36# & 32#       | 5100'         | * 775SX, 2nd stage 1905 SX, Class |
| 7 7/8                                 | 5 1/2 J-55            | 17#             | TD            | 630 SX Class H                    |

\*C, DV tool at 3400'.

The operator proposes to drill to a depth sufficient to test the Delaware formation for oil. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulations. Specific programs as per on shore oil and gas order #1 are outlined in the following attachments:

Drilling Program

Surface use and operating plant  
Exhibit #1/#1-A Blowout Prevention Equipment  
Exhibit #2 location & elevation plant

Exhibit #3 Planned Access Road  
Exhibit #4 Wells within one mile radius.  
Exhibit #5 on back of page

OSLR CBPIO NO. 20595  
FR. NO. 23087  
FO. NO. 96797  
EXP. DATE 2-17-00  
API NO. 30-025-34935

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

SIGNED [Signature] TITLE Owner DATE January 10, 2000

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE STATE DIRECTOR DATE 2-10-00

\*See Instructions On Reverse Side

APPROVED FOR 1 YEAR

**RECEIVED**  
JAN 24 2000  
BLM  
ROSWELL, NM

## APPLICATION TO DRILL

In conjunction with Form 3160-3, Application for Permit to Drill, Shackelford Oil Co. submits the subject well in accordance with Bureau of Land Management requirements.

1. The geologic surface information is Quaternary.
2. The estimated tops of geologic markers are:
  1. Anhydrite 1350'
  2. Transill 3135'
  3. Yates 3350'
  4. Seven Rivers 3650'
  5. Delaware 5400'
3. The estimated depths at which water, oil, or gas-bearing formation are expected:  
  
Water: 350' ft  
Oil & Gas: 3350' - 3700' Yates- Seven Rivers  
5400' - 8300' Delaware  
8305' - 9700' Bone Springs
4. Casing  
13 3/8" 48# J-55 0- 1300'  
8 5/8" 28 & 32# J-55 0-5100'  
5 1/2" 17# J-55 0-TD
5. Cement
  - A. Cement from 500' to surface with 530 sacks Class C.
  - B. Cement from 5100' with 1st stage 775 sacks, 2nd stage 1905 sacks Class C, DV tool at 3400'.
  - C. Cement from 9700' with 630 sacks Class H.
6. Pressure control equipment: Blowout preventer.
7. Mud Program: See Exhibit #7
8. No abnormal pressures are expected
9. Testing, Logging, and Coring Programs  
  
Wireline logging program: See Exhibit #7
10. Anticipated starting date: February 2000

## **MULTI-POINT SURFACE USE AND OPERATIONS PLAN**

Tonto Federal #4  
1980' FSL & 660' FEL  
Sec. 3, T-20-S, R-33-E  
Lea County, New Mexico

This plan is submitted with Form 3160-3, application for permit to drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of operations so that a complete appraisal can be made of the environmental effects associated with the operations.

### **1. EXISTING ROADS**

- A. The wellsite and elevation plat for the proposed Tonto Federal #4 are reflected on Exhibit #2.
- B. All roads to the location are indicated on Exhibit #3.
- C. **DIRECTIONS:**
  - 1. Proceed west from Hobbs on US 62 - 180 for 31 miles.
  - 2. Turn right on Caliche Road and continue 1.2 miles to the location on the left.

### **2. PLANNED ACCESS ROAD**

- A. See Item 1.

### **3. LOCATION OF EXISTING WELLS**

- A. The locations of existing active wells located in and immediately adjacent to Section 21 are highlighted on Exhibit #4.

### **4. LOCATION OF EXISTING AND PROPOSED FACILITIES**

- A. There are four producing wells on this lease. These four wells are listed below:

**SAMSON RESOURCES**

Section 11, T- 20 - S: R- 33 -E

Smith Ranch Federal #1    1980'FNL & 660' FWL

Smith Ranch Federal #2    660'FNL & 1980' FWL

**SHACEKLFORD OIL COMPANY**

Section 3, T-20-S: R-33E

Tonto Federal #3                330'FSL & 330'FEL

**NEARBURG PRODUCING**

Section 3, T-20-S: R-33-E

Viper 3 Federal #1            2200'FSL & 1600'FEL

5.    **LOCATION AND TYPE OF WATER SUPPLY**

- A.    It is planned to drill the proposed well with a cut- brine water system or with produced water. The water will be obtained from commercial source and will be hauled to location by truck over existing and proposed lease roads marked on Exhibit #3.

6.    **SOURCES OF CONSTRUCTION MATERIALS**

- A.    Caliche required for construction of the location pad and access road will be obtained from caliche on the location or from the nearest BLM approved pit.

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. The reserve pit will be fenced on three sides and will be totally isolated upon removal of the rig.
- C.    Water produced during operations will be collected in steel tanks or a reserve pit, if volumes prove excessive. After placing the well on production, all water will be collected in tanks.
- D.    Oil produced during operations will be stored at the existing battery and sold through transport trucks.
- E.    Current regulations pertaining to disposal of human waste will be complied with.
- F.    Trash, waste paper, garbage and junk will be kept in a trailer and disposed of at an approved landfill. All waste material will be contained to prevent scattering by the wind.

- G. All trash and debris will be removed from the well site within 30 days after drilling and/or completion operations are terminated. At the point the reserve pit is dry it will be backfilled and reclaimed as outlined by BLM specifications. Only the portion of the drilling pad used by production equipment will remain in use. If deemed dry only a dry hole marker will remain.

8. **ANCILLARY FACILITIES**

- A. No ancillary facilities will be required for this well.

9. **WELLSITE LAYOUT**

- A. Exhibit #6 shows the dimensions of the well pad and reserve pits and the location of major rig components.
- B. The ground surface at the drilling location is essentially flat.
- C. The reserve pits will be plastic lined.
- D. The pad and pit area has been staked and flagged.

10. **PLANS FOR RESTORATION OF THE SURFACE**

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleared of all trash and junk, to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have been filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. **SURFACE OWNERSHIP**

- A. The wellsite is owned by the Bureau of Land Management.
- B. The surface location will be restored in compliance with BLM rules.

12. **TOPOGRAPHY**

- A. The well site and access route are located in a flat area with little relief.
- B. The top soil at the wellsite is caliche.
- C. The vegetation cover at the wellsite is moderately sparse, with mesquite, grasses, yucca, scrubs oak, and weeds.
- D. No wildlife was observed but it is likely that rabbits, lizards, insects, and rodents traverse the area. The area is used for cattle grazing.
- E. There are no ponds, lakes, streams, or rivers within several miles of the wellsite.
- F. The wellsite is located on federal surface.
- G. There is no evidence of any archaeological, historical, or cultural sites in the vicinity of the location.

13. **OPERATOR'S REPRESENTATIVES**

- A. The field representatives responsible for assuring compliance with the approved surface use plan are:

Don G. Shackelford  
Shackelford Oil Co.  
203 W. Wall Suite 401  
Midland, Texas 79701  
Phone: (915) 682-9784 (office)  
(915) 758-9195 (home)

W.L. Shackelford  
512 New Mexico Dr.  
Roswell, New Mexico 88201  
Phone: (505) 622-5902

14. **CERTIFICATION**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this 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 Shackelford Oil Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

January 12, 2008  
Date

Don G. Shackelford  
Don G. Shackelford

cc:\appdrill.soc



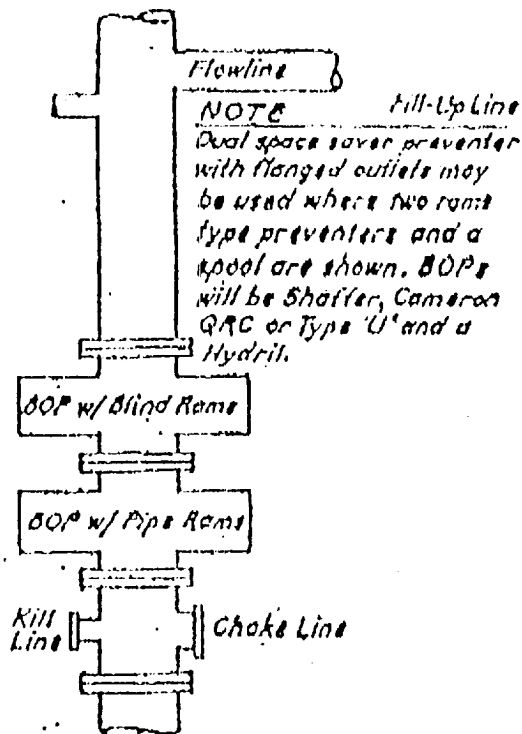


301 BOYD, E  
ALLEN, TEXAS 75002

(214) 727-8367

P. O. BOX 588  
ALLEN, TEXAS 75002

In Texas (800) 442-5224



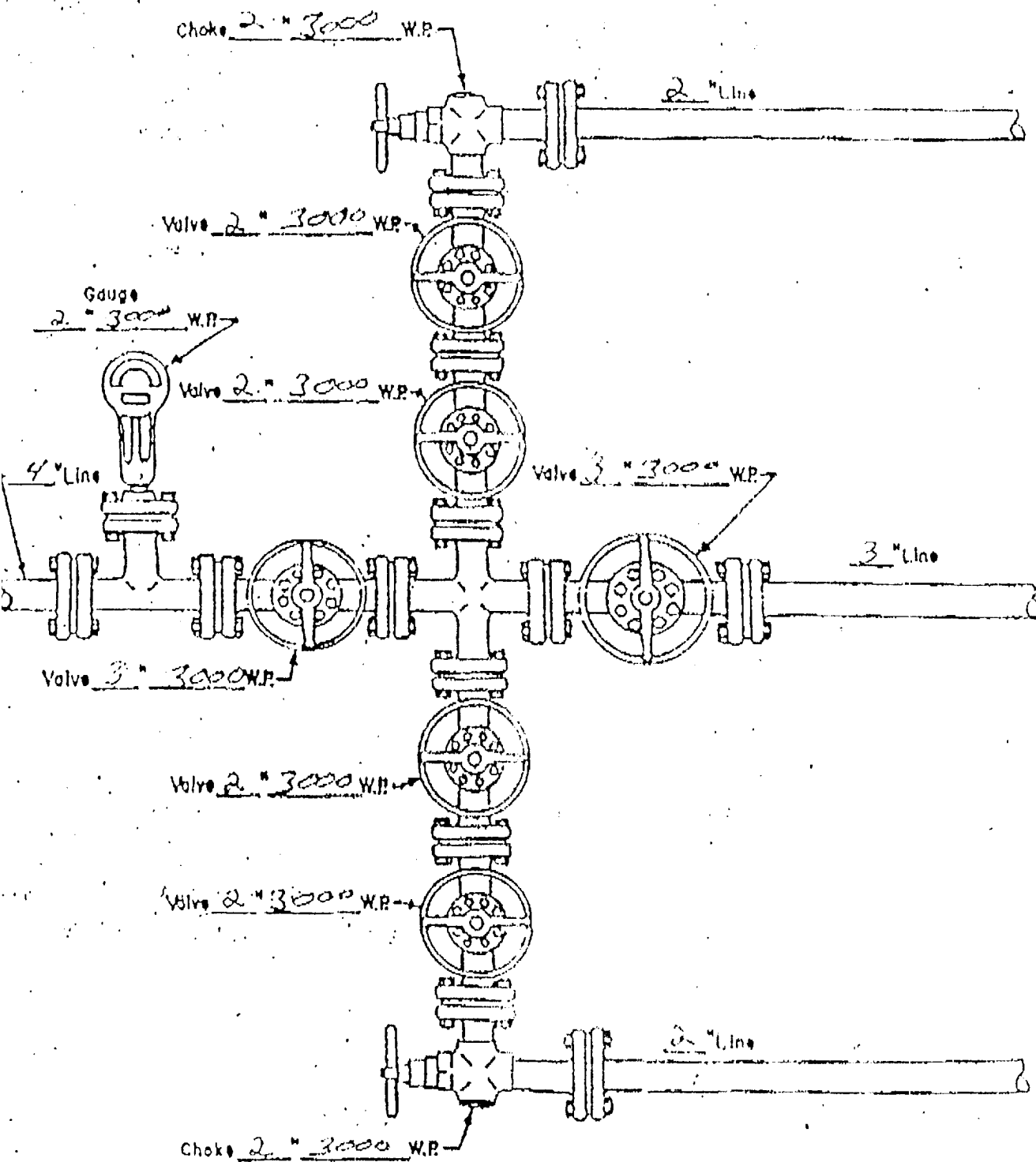
CASE I.

BLOWOUT PREVENTER HOOKUP

5<sup>th</sup> Working Pressure

# Choke Manifold

Exhibit 1-A



MANIFOLD  
3000 W.P.

- ☒ Manual
- ☐ Hydraulic

## 7. Communication:

- A. Radio communications in company vehicles including cellular telephone and 2-way radio.
- B. Land line (telephone) communications at field office.

## 8. Well testing:

- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity which are necessary to safely and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill stem testing operations conducted in an H2S environment will use the closed chamber method of testing.



1. Well Control Equipment:
  - A. Flare line with electronic igniter or continuous pilot.
  - B. Choke manifold with a minimum of one remote choke.
  - C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
2. Protective equipment for essential personnel:
  - A. Mark II Survivor 30-minute units located in the dog house and at briefing areas, as indicated on well site diagram.
3. H2S detection and monitoring equipment:
  - A. 2 - portable H2S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
  - B. 1 - portable SO2 monitor positioned near flare line.
4. Visual warning systems:
  - A. Wind direction indicators as shown on well site diagram.
  - B. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
5. Mud program:
  - A. The mud program has been designed to minimize the volume of H2S circulated to the surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.
6. Metallurgy:
  - A. All drill strings, casing, tubing wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

# SHACKELFORD OIL COMPANY

## HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

### I. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H<sub>2</sub>S).
2. The proper use and maintenance of personal protective equipment and life support system.
3. The proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

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

1. The effects of H<sub>2</sub>S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H<sub>2</sub>S zone (within 3 days or 500 feet) and weekly H<sub>2</sub>S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H<sub>2</sub>S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

### II. H<sub>2</sub>S SAFETY EQUIPMENT AND SYSTEMS

Note: All H<sub>2</sub>S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H<sub>2</sub>S.

Note:

Proposed Well - Shackelford Oil Company #4 Tonto Federal 1980' FSL and  
660' FEL        Sec. 3 T-20-S R-33-E.

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

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

DISTRICT III  
1000 Rio Bravo Rd., Artesia, NM 87410

DISTRICT IV  
P.O. Box 2068, Santa Fe, N.M. 87504-2068

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

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |   |                                    |
|-----------------------------------|---|------------------------------------|
| API Number<br><b>30-025-34935</b> | Pool Code<br><b>96087</b>                       | Pool Name<br><b>Teas; Delaware</b> |
| Property Code<br><b>23087</b>     | Property Name<br><b>TONTO FEDERAL 3</b>         | Well Number<br><b>4</b>            |
| OGRID No.<br><b>20595</b>         | Operator Name<br><b>SHACKELFORD OIL COMPANY</b> | Elevation<br><b>3581</b>           |

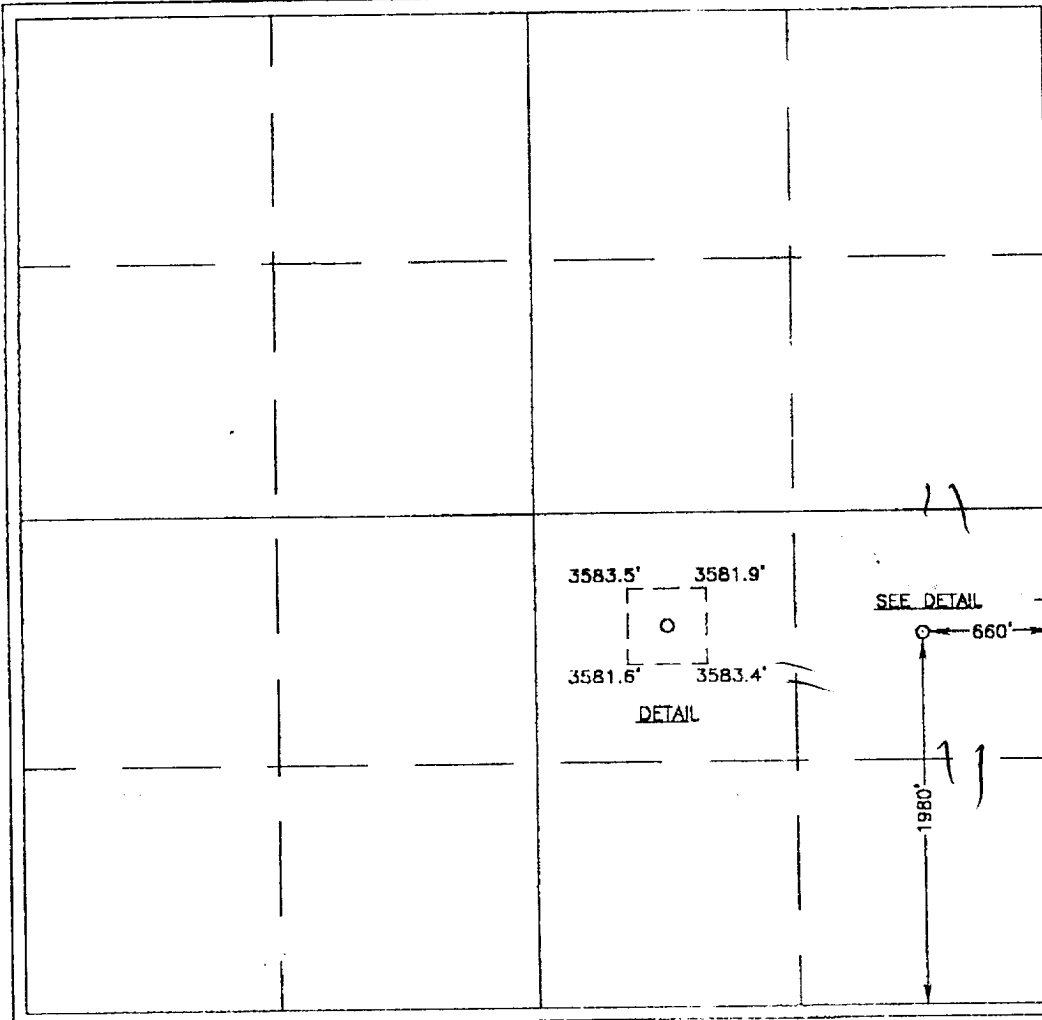
Surface Location

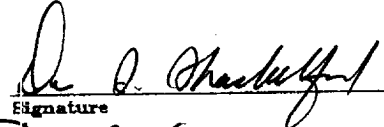
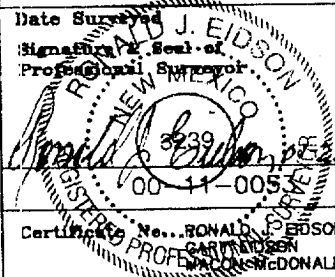
| UL or lot No. | Section  | Township    | Range      | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|----------|-------------|------------|---------|---------------|------------------|---------------|----------------|------------|
| <b>1</b>      | <b>3</b> | <b>20 S</b> | <b>33E</b> |         | <b>1980</b>   | <b>SOUTH</b>     | <b>660</b>    | <b>EAST</b>    | <b>LEA</b> |

Bottom Hole Location If Different From Surface

| UL or lot No.                | Section         | Township           | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|------------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
|                              |                 |                    |           |         |               |                  |               |                |        |
| Dedicated Acres<br><b>40</b> | Joint or Infill | Consolidation Code | Order No. |         |               |                  |               |                |        |

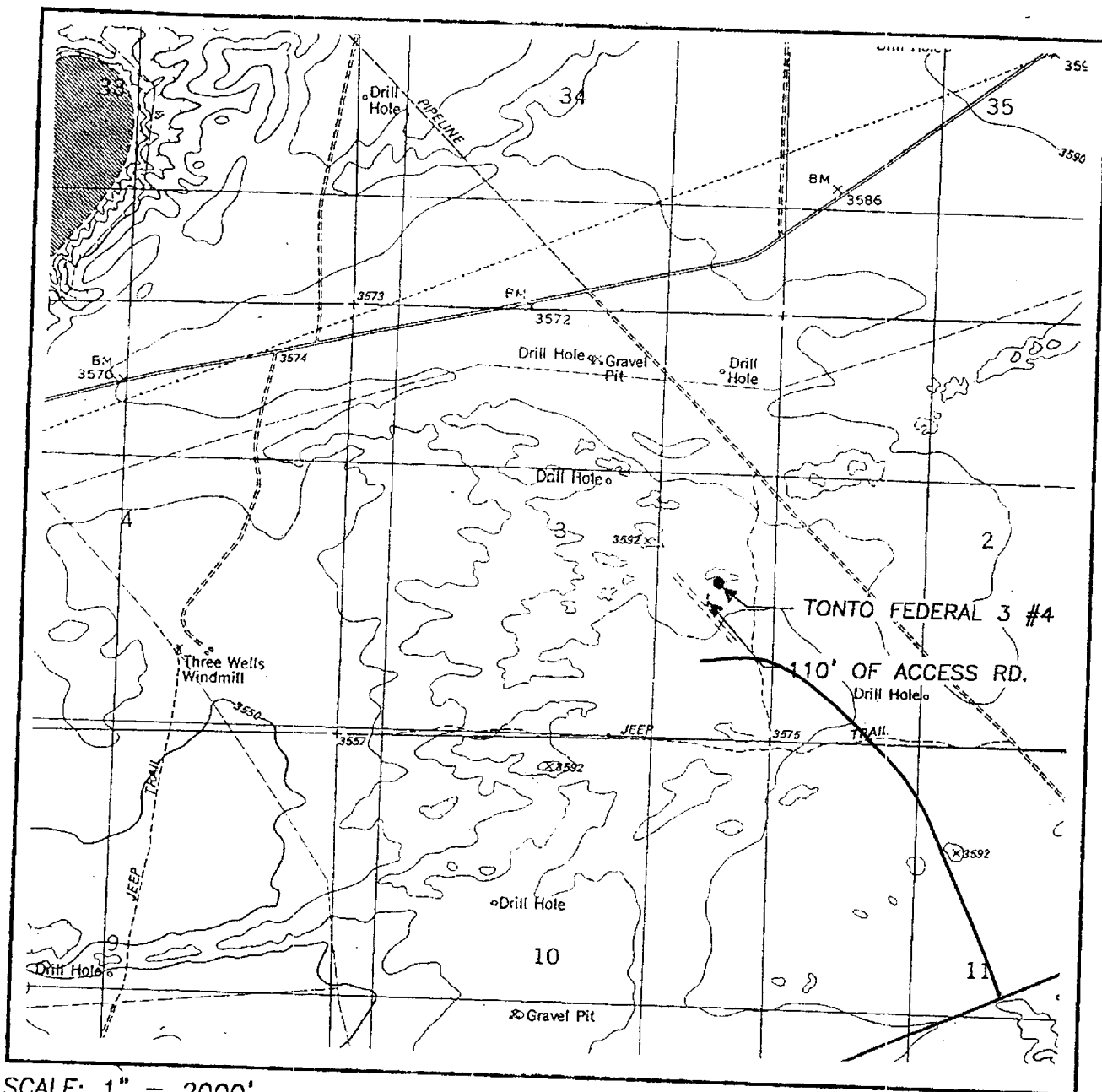
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



|  |                         |
|--|-------------------------|
| <b>OPERATOR CERTIFICATION</b>  |                         |
| I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  |                         |
|   |                         |
| Signature  |                         |
| <b>Don G. SHACKELFORD</b>  |                         |
| Printed Name   |                         |
| <b>President</b>   |                         |
| Title  |                         |
| <b>January 13, 2000</b>  |                         |
| Date   |                         |
| <b>SURVEYOR CERTIFICATION</b>  |                         |
| I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. |                         |
| <b>JANUARY 12, 2000</b>  |                         |
| Date Surveyed  |                         |
| <b>RONALD J. EIDSON</b>  |                         |
| Signature & Seal of Professional Surveyor  |                         |
|   |                         |
| Certificate No.  | <b>3239</b>             |
| Professional Surveyor  | <b>RONALD J. EIDSON</b> |
|  | <b>12641</b>            |
|  | <b>12185</b>            |



# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
LAGUNA GATUNA, N.M. - 10'

SEC. 3 TWP. 20-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980' FSL & 660' FEL

ELEVATION 3581

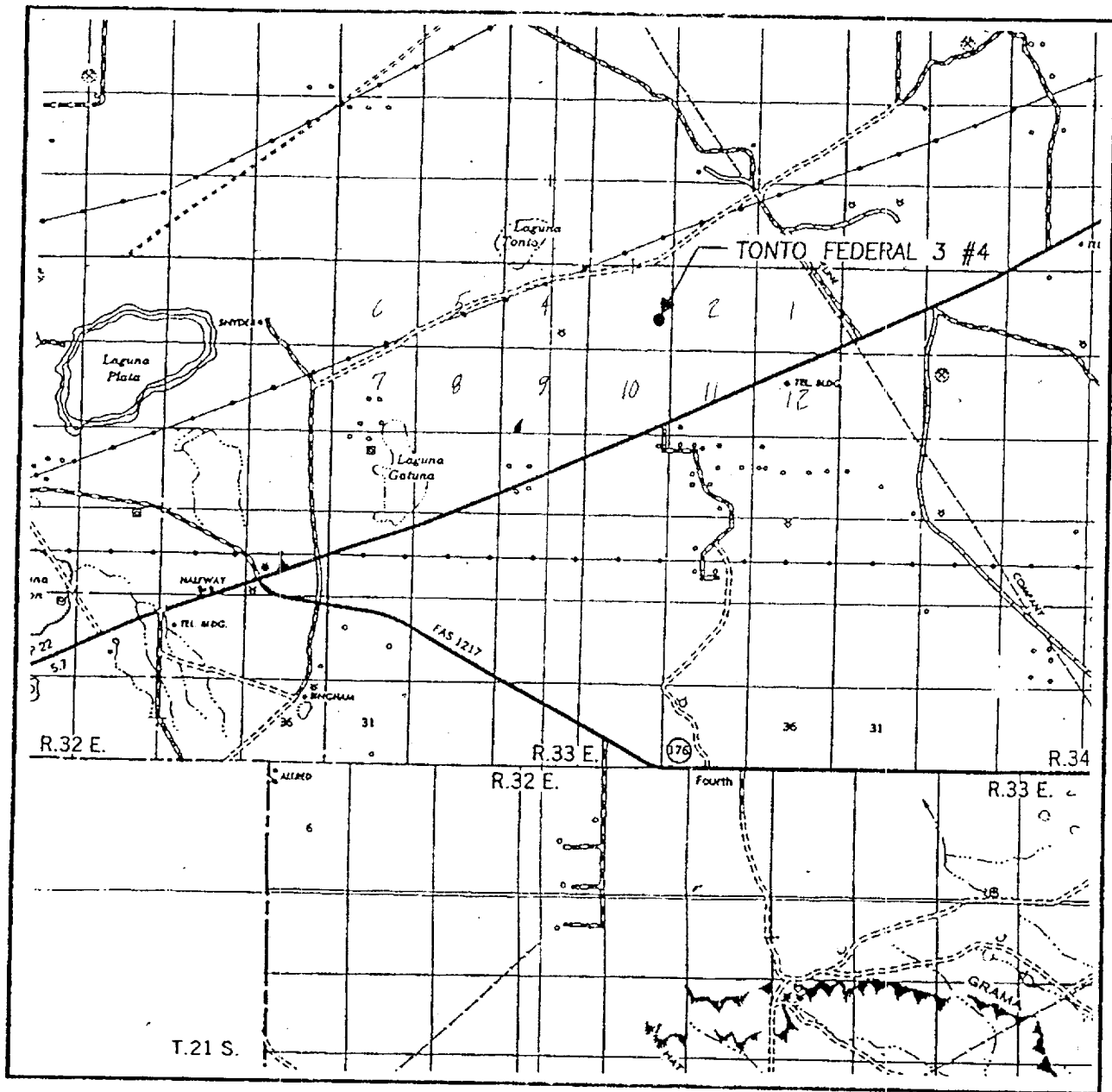
OPERATOR SHACKELFORD OIL COMPANY

LEASE TONTO FEDERAL 3

U.S.G.S. TOPOGRAPHIC MAP  
LAGUNA GATUNA, N.M.

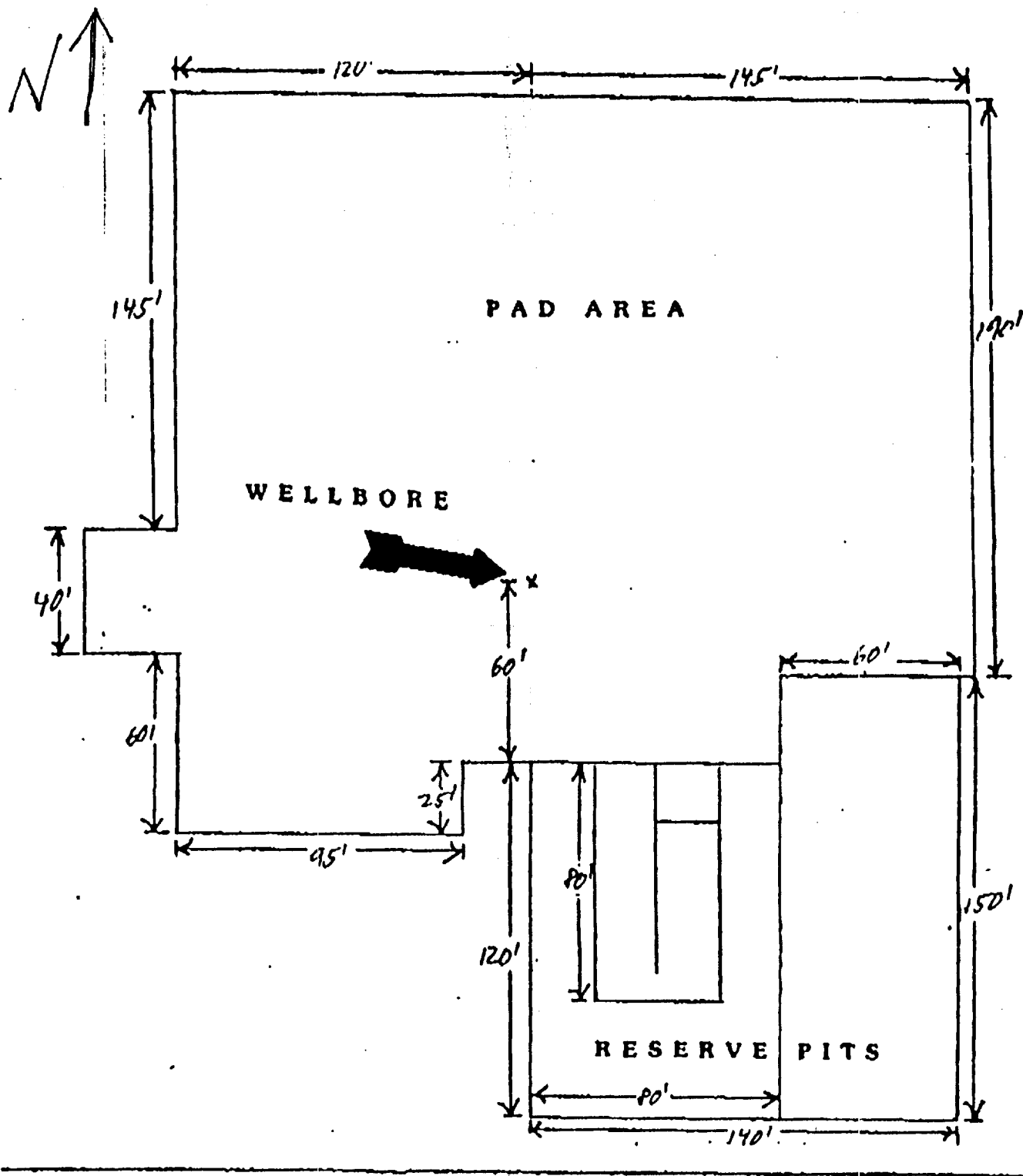
JOHN WEST SURVEYING  
HOBBS, NEW MEXICO  
(505 393-3117)

# VICINITY MAP



SEC. 3 TWP. 20-S RGE. 33-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 1980' FSL & 660' FEL  
 ELEVATION 3581  
 OPERATOR SHACKELFORD OIL COMPANY  
 LEASE TONTO FEDERAL 3

**JOHN WEST SURVEYING**  
**HOBBS, NEW MEXICO**  
**(505 393-3117)**



## EXHIBIT 6

SCALE: 1" : 50'

NM060-3160-1 (4/88)

**NOTICE OF STAKING**

(Not to be used in place of  
Application for Permit to Drill Form 3160-3)

|  |  |  |
|--|--|--|
| 1. Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/><br>(Specify)  |  | 6. Lease Number<br>NMNM-17238  |
| 2. Name of Operator<br>SHACKELFORD OIL COMPANY   |  | 7. If Indian, Allottee<br>Tribal Name<br>N/A                           |
| 3. Name of Specific Contact Person<br>DON G. SHACKELFORD   |  | 8. Unit Agreement Name<br>N/A  |
| 4. Address & Phone No. of Operator or Agent<br>P. O. BOX 10665<br>MIDLAND, TEXAS 79702 (915) 682-9784  |  | 9. Farm Lease Name<br>TOWNSHIP FEDERAL                                 |
| 5. Surface Location of Well<br>1980' FSL 990' FEL<br>Attach: a) Sketch showing road entry, pad, pad dimensions, and reserve pit.<br>b) Topographical or other acceptable map showing location, access road, and lease boundaries |  | 10. Well No.<br>#4   |
| 13. Formation Objectives(s)<br>BONE SPRINGS  |  | 11. Field or Wildcat Name<br>WILDCAT<br>BONE SPRINGS                   |
| 16. Estimated Well Depth<br>9600'  |  | 12. Sec., T., R., M., or<br>Blk and Survey or Area<br>SEC. 3 T20S R33E |
| 17. Additional Information (as appropriate) shall include surface owner's name, address and, if known, telephone number<br>BUREAU OF LAND MANAGEMENT   |  | 13. County, Parish or Borough<br>LEA                                   |
| 18. Signed <u>B. G. Shaffer</u> Title <u>AGENT</u> Date <u>12/17/1999</u>  |  | 14. State<br>NM  |

Note: Upon receipt of this Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

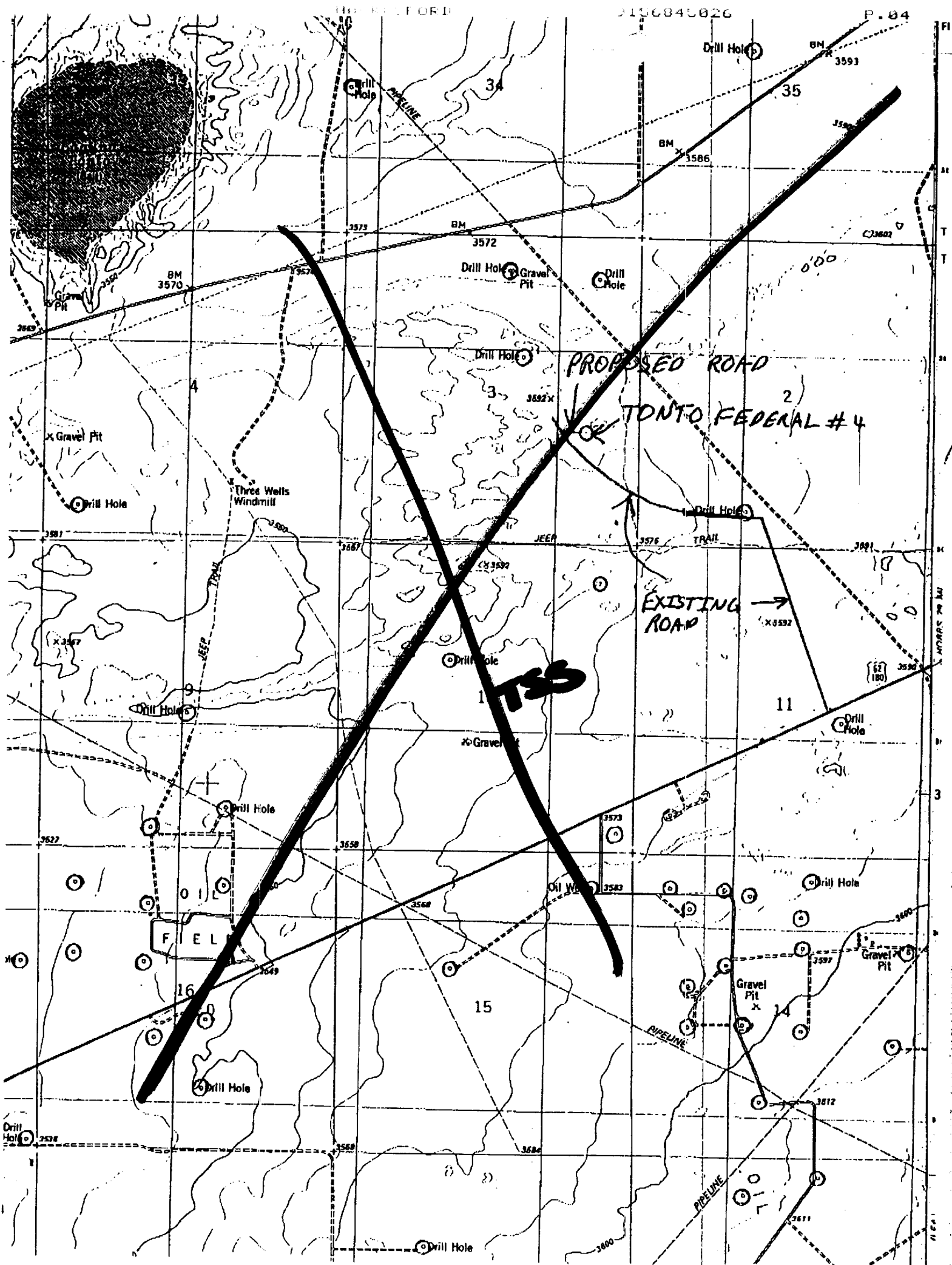
Operators must consider the following prior to the onsite:  
a) H<sub>2</sub>S Potential  
b) Cultural Resources (Archaeology)  
c) Federal Right of Way or Special Use Permit

IMPORTANT: SEE REVERSE SIDE FOR INSTRUCTIONS

257







227







**EXHIBIT #7**  
**DRILLING PROGNOSIS**  
**TONTO FEDERAL #4**

**Location:** Section 3, T- 20-S, R- 33- E

**Proposed Depth and Objective:** Bone Springs - 9700'

|                        |         |       |          |       |
|------------------------|---------|-------|----------|-------|
| <b>Casing Program:</b> | 13 3/8" | J- 55 | 54.50#   | 1300' |
|                        | 8 5/8"  | J- 55 | 28 & 32# | 5100' |
|                        | 5 1/2"  | N-80  | 17#      | TD    |

**Logging Program:** A compensated neutron/ formation density with gamma ray, and caliper will be run for porosity and lithology. A dual induction will be run for water saturation analysis. The gamma ray will be run from TD to the surface. If shows are indicated in Yates or Seven Rivers logs will be run over these prior to casing, other wise logs will be run from TD to intermediate casing.

**Mud Logging:** Samples will be caught every 10' from 3000' to TD.

**Mud Program:**

|                   |   |
|-------------------|---|
| <b>0 - 500'</b>   | Spud 17 1/2" hole with fresh water containing gel and lime, if necessary for hole cleaning. Mud weight should be 8.5 - 8.7 LB/GAL with a velocity of 33 - 35 sec/ 1000cc. |
| <b>500'-5100'</b> | Drill out below surface pipe using 12 1/4" bit with 10 LB/GAL brine for drilling the native salt section. Lime will be added to maintain a ph of 9.5 - 10.00.             |
| <b>5100' - TD</b> | Drill out of intermediate casing with 7 7/8" bit with fresh water to TD.  |

ELF  
2/22/01  
ABOVE DATE DOES NOT  
INDICATE WHEN  
CONFIDENTIAL LOGS  
WILL BE RELEASED

BUREAU OF LAND MANAGEMENT  
ROSWELL OFFICE

2000 JAN 28 A 10:07

RECEIVED

