

N.M. OIL & GAS COMMISSION  
P.O. BOX 1980  
HOBBS, NEW MEXICO 88240  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

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 Co.

3. ADDRESS AND TELEPHONE NO.

3650 Canyon Oaks Dr. Carrollton, TX 75007 214-394-1771

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1750' FEL and 660' FSL

At proposed prod. zone

1750' FEL and 660' FSL

Unit D

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

12 miles South of Maljamar, NM

10. DISTANCE FROM PROPOSED

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

660'

10. NO. OF ACRES IN LEASE

440

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

13. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

100'

19. PROPOSED DEPTH

3000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3610' GR

22. APPROX. DATE WORK WILL START

As soon as possible

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	7" J55	23#	450'	Class "C"; TOC - Surface
6 1/4"	4 1/2" J55	10.50#	TD	Class "C"; TOC - Surface

The operator proposes to drill to a depth sufficient to test the Yates/Seven Rivers formation for oil. If productive, 4 1/2" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulations. Specific programs as per Gas Order #1 are outlined in the following attachments:

Drilling Program

Surface Use and Operating Plan

- Exhibit #1/#1-A = Blowout Prevention Equipment
- Exhibit #2 = Location and Elevation Flat
- Exhibit #3 = Planned Access Roads
- Exhibit #4 = Wells Within One Mile Radius

- Exhibit #5 = Production Facilities Flat
- Exhibit #6 = Rotary Rig Layout
- Exhibit #7 = Drilling Prognosis Evidence of Bond Coverage

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 prevention program, if any.

24.

SIGNED

*Sh. O. Shackelford*

TITLE

OWNER

DATE

June 30, 1994

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

*Richard L. Magnus*

TITLE

AREA MANAGER

DATE

7-21-94

District I  
PO Box 1900, Hobbs, NM 88241-1900  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3D-025-3261D	Pool Code 6368D	Pool Name Watkins Y-SR-DW-GB
Property Code 15399	Property Name Mitchell Federal	Well Number 1
OGRID No. 20595	Operator Name SHACKELFORD OIL COMPANY	Elevation 3610

#### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
0	7	19S.	32E.		660	SOUTH	1750	EAST	LEA

#### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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

16				

660'

1750'

#### 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature  
DON G. SHACKELFORD  
Printed Name  
OWNER  
Title  
7/1/94  
Date

#### 18 SURVEYOR CERTIFICATION

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 knowledge and belief

6/22/94  
Date of Survey  
Signature and Seal of Professional Surveyor:  
6290  
Certificate Number

## APPLICATION TO DRILL

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

1. The geologic surface formation is cretaceous.
2. The estimated tops of geologic markers are:
  1. Anhydrite 650'
  2. Tansill 2192'
  3. Yates 2388'
  4. Seven Rivers 2598'
3. The estimated depths at which water, oil, or gas-bearing formation are expected:  
  
Water: 300 feet  
Oil & Gas: 2388'-2800' Yates and Seven Rivers
4. Proposed casing program: See Form 3160-3
5. Pressure control equipment: Exhibit #1
6. Mud Program: See Exhibit #7
7. Anticipated bottom-hole pressure: No abnormal pressures are expected. Hydrogen sulphide gas may be encountered in the Capitan Reef, although none is expected. Appropriate safety precautions will be taken.
8. Testing, logging and coring programs:  
  
Drill Stem tests:  
No DST's anticipated to be taken  
  
Logging:  
Mud loggers will be used from 2300' to TD  
Wireline Logging program: Compensated neutron, formation density, dual induction
9. Anticipated starting date: As soon as possible.

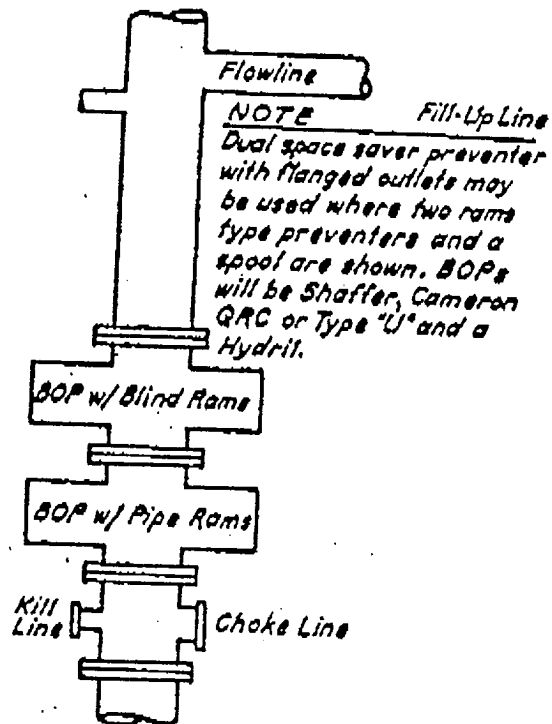


301 BOYD, E  
ALLEN, TEXAS 75002

P. O. BOX 589  
ALLEN, TEXAS 75002

(214) 727-8367

In Texas (800) 442-5224



CASE I  
**BLOWOUT PREVENTER HOOKUP**

3000# Working Pressure

OFFICE OF THE  
ATTORNEY GENERAL  
JUL 27 2005

7/28/05

ELF