

N.M. OIL CONS. COM.
P.O. BOX 1980, F.E.C.
HOBBS, NEW MEXICO
BUREAU OF LA

OPER. GRID NO. 20595
PROPERTY NO. 15961
POOL CODE 41540
EFF. DATE 3/8/96
API NO. 30-025-33307

BLM Roswell District
Modified Form No.
NMD60-3160-2

APPLICATION FOR PERMIT TO

1. TYPE OF WORK

DRILL ☒

2. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☒

3. NAME OF OPERATOR

Shackelford Oil Co.

4. ADDRESS OF OPERATOR

310 W. Illinois, Ste. 328, Midland, TX 79701

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

At surface

581' FSL and 660' FWL

At proposed prod. zone SIS

581' FSL and 660' FWL

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

13 miles South of Maljamar, NM

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)

581

8. NO. OF ACRES IN LEASE

600

9. NO. OF ACRES ASSIGNED TO THIS WELL

40

10. DISTANCE FROM PROPOSED LOCATION

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

100'

11. PROPOSED DEPTH

5300'

12. ROTARY OR CABLE TOOL

Rotary

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

3578' GR

14. APPROX. DATE WORK WILL START

As soon as possible

15. SIS

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.50#	J-55		550'	Class C CIRCULATE
12 1/4"	4 1/2"	10.50#	J-55	[TIE BACK]	2850'	See Exhibit 7
12 1/4" & 7 7/8"	4 1/2"	10.50#	J-55		5300'	See Exhibit 7

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 Onshore 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 and Elevation Plat

Exhibit #3 = Planned Access Roads

Exhibit #4 = Wells Within One Mile Radius

Exhibit #5 = Production Facilities Plat

Exhibit #6 = Rotary Rig Layout

Exhibit #7 = Drilling Prognosis

Evidence of Bond Coverage

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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.

54.

SIGNED

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

(ORIG. SGD.) RICHARD L. MANUS

AREA MANAGER

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

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

District I
PO Box 1988, Hobbs, NM 88241-1988
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 30 125 3337		Pool Code 11540	Pool Name Lusk Delaware, West	
Property Code 15961	Property Name MOBIL FEDERAL		Well Number 6	
OGRID No. 020595	Operator Name SHACKELFORD OIL COMPANY		Elevation 3578	

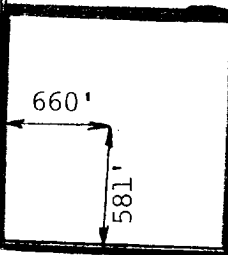
10 Surface Location

UL or lot no. M	Section 21	Township 19S	Range 32E	Lot Idn	Feet from the 581	North/South line SOUTH	Feet from the 660	East/West line WEST	County LEA
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11 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 40		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

16					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature W. L. Shackelford Printed Name Agent Title 2/7/96 Date				
SECTION 21, T.19S., R.32E., N.M.P.M.					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 belief. Date of Survey 2/3/96 Signature and Seal of Professional Surveyor: Certificate Number 6290				
									

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 cretaceous.
2. The estimated tops of geologic markers are:
 1. Anhydrite 830'
 2. Transill 2375'
 3. Yates 2566'
 4. Seven Rivers 2762'
 5. Delaware 4450'
3. The estimated depths at which water, oil, or gas-bearing formation are expected:

Water:	300 feet
Oil & Gas:	2566 - 2762' Yates and Seven Rivers
	4700 - 5300' Delaware
4. Casing

13 3/8"	54.50#	J-55	0-550'
4 1/2"	10.50#	J-55	Surface to 2850'
4 1/2"	10.50#	J-55	Surface to TD
5. Cement
 - A. Cement from 550' to surface with 470 sacks class C
 - B. Cement from 2870' to surface in 12 1/4" hole 910 sacks of light, 270 sacks of class C
 - C. Cement from 5300' to 2870' up to an inflatable packer at 2870' with 190 sacks of light, 250 sacks of class C
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 1996

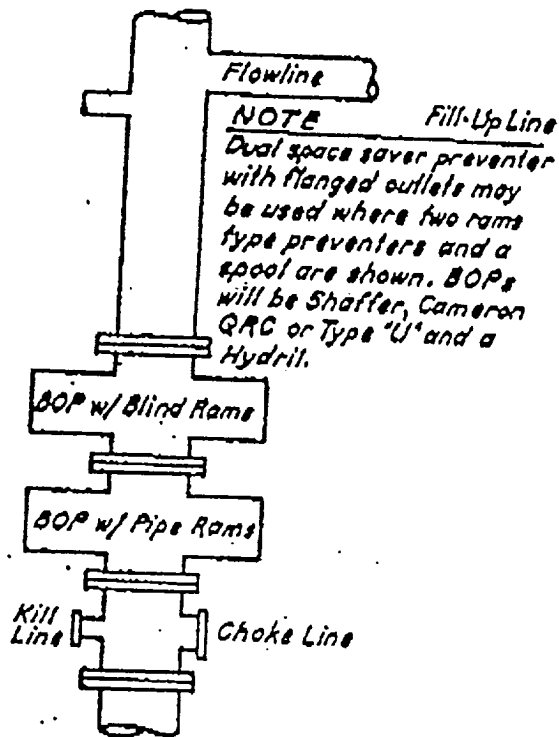


301 BOYD, E
ALLEN, TEXAS 75002

P. O. BOX 589
ALLEN, TEXAS 75002

(214) 727-8367

In Texas (800) 442-5224



CASE I
BLOWOUT PREVENTER HOOKUP

3000# Working Pressure