NEROVED BY DIRICHARD L.

## N.M. OIL UNS. COMMISSION P.O. BOX 1980

SUBKIT IN TRIPLICATE.

Form approved.

BUREAU OF LAND MANAGEMENT  BUREAU OF LAND MANAGEMENT  APPLICATION FOR PERMIT TO DRILL OR DEEPEN  DRILL W  DEEPEN  DRILL W  DEEPEN  NA FE  NA F	December 1950)		MEXICOA BEZAU			Budget Bureau No. 1004-0136 Expires: December 31, 1991	
APPLICATION FOR PERMIT TO DRILL OR DEEPEN    A	400					G. LEASE DESIGNATION AND SERIAL NO.	
DEPEN	APPL	JCATION FOR F	PERMIT TO DRIL	LL OR DEEPEN		6. IF INDIAN, ALLOTTER OR TRIBE NAME N/A	
Shackelford Oil Co.    Application of Principle   Shackelford Oil Co.		RILL XI	DEEPEN [				
Shackelford Oil Co.  1. Mans or Germanous.  3. Addition of Order Oil Co.  1. Addition of Wattle (Report location of Carrolton, TX 75007 214-394-1771 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	b. TIPE OF WELL			DEEFER [			
Shackelford 0il Co.  3. ACCESSION DEFINITION.  36.50 Canyon Oaks Dr. Carrolton, TX 75007 214-394-1771  4. ACCESSION WILL (Report location clearly and in accordance with any State requirements.)  1.750' FEL and 660' FSL  At proposed pred, some 1750' FEL and 660' FSL  12 miles South of Maljamar, NM  12. MILES South of Maljamar, NM  13. DISTANCE FROM PROPOSED LOCATION FROM NAMERIC TOWN OA FORT OFFICE'  13. DISTANCE FROM PROPOSED LOCATION' BOOK MALESTED ON OA FORT OFFICE'  14. DISTANCE FROM PROPOSED LOCATION' BOOK MALESTED OF TAKE IN CALLE TOOLS TO TAKE IN MALE AND DISTANCE FROM PROPOSED LOCATION' BOOK MALESTED OF TAKE IN CALLE TOOLS TO TAKE IN CALLE TOOLS OF TA	WELL LA	WELL OTHER				5. IAMOR LEASE HUIZ WELL HO.	
3650 Canyon Oaks Dr. Carrolton, TX 75007 214-394-1771  Location of wall (Report location clearly and in accordance with Act State requirement.)  At surface  1750' FEL and 660' FSL  At proposed pred, some  1750' FEL and 660' FSL  At proposed pred, some  1750' FEL and 660' FSL  At proposed pred, some  1750' FEL and 660' FSL  10. Mo. or acted in Least  11. Mo. or acted and active to the state of						Mitchell Federal #1	
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TO REAREST WELL, BRILLING, CONFESTED.  3000' ROTATIVE LEASE, 100' 3000' ROTATIVE TOOL 122. AFFORD, DATE WOLK WILL STAND AS SOON AS POSSIBLE TO ROLE OF	(Also to nearest dri	g. upit live, if any)				40	
Rotary   3000'   Rotary   3610' GR   3610' GR   As soon as possible   Class   Cl'; TOC - Surface   Class   Cl'; TOC - Surface   Class   Cl'; TOC - Surface   As soon   As so	TO NEAREST WELL, DRILLING, CONFLETED. 1001				20. AOTA	AT OR CARLE TOOLS	
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PROPOSED CASING AND CEMENTING PROGRAM    SIET OF NOLE   OLDER MONTOSED   WEIGHT FEA POOT   SETTING DEPTH   QUANTITY OF CEMENT	II. ELEYATIONE (SOOM WE		06101 on			22. APPROX. DATE WORK WILL START*	
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 compensed at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulations. Specific programs as per CHORGE TONO& (53 Gas Order #1 are outlined in the following attachments:    Drilling Program					· · · · · · · · · · · · · · · · · · ·	As soon as possible	
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Drilling Program  EFF. DATE 7-27-9  Surface Use and Operating Plan Exhibit #1/#1-A = Blowout Prevention Equipment  Exhibit #5 = Production Eacility  Flat	Gas Order	#1 are outline	d in the follow	ing attachment	s:		
Surface Use and Operating Plan  Exhibit #1/#1-A = Blowout Prevention Equipment  API NO. 30-025-3  Exhibit #5 = Production Eacili						POOL CODE 63686	
Exhibit #1/#1-A = Blowout Prevention Equipment  Exhibit #5 = Production Eacility	Drilling	Program				EFF. DATE 7-27-94	
Exhibit #1/#1-A = Blowout Prevention Equipment  Exhibit #1/#1-A = Blowout Prevention Equipment	Surface II	se and Operatin	o Plan			APINO. 30-025-325	
Flat	Exhibit #	1/#1-A = B1	t Prevention Ra	ui nmont	Exhibit		
Exhibit #2 = Location and Elevation Flat Fybibit #6 = Potary Prio I	Exhibit #	2 = Location and	d Elevation Eq				
This has the more relatively and the more relatively and the control of the contr				•	EXPIDIT	#6 = Rotary Rig Layout	
Embels #/ - 11 11 11 11 1 1 0 VII B 14				119	zxnibit	#/ = Drilling Prognosis	
N 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 defil	N ABOVE SPACE DESCRIB	e proposed program: It	roposal is to deepen give data	on present productive zone	and proposed i	new productive zone. If proposal is to dell ne	
deepen directionally, give pertinent data on subsurface locations and measured and true vertical depens. Give blowout preventer program, if any,	eepen directionally, give perti	nent data on subsurface location	and measured and true vertice	al depetus. Give blowout presu	ntor program, i	lany.	
RIGNED On O. Macheford TITLE CUNER DATE June 30, 994	aignen the	. Shackeford	/ TITLE	OWNER		DATE June 30, 1994	
(This space for Federal or State onice use)  APPROVAL SUBJECT TO	(This space for Feder	al or State office use)			<u> </u>	APPROVAL SUBJECT TO	
ullet	PERMIT NO			APPROVAL DATE	•	GENERAL REQUIREMENTS	
Application approval does not warrant or certify that the applicant holds keel or equitable title to those rights to the subject lesse which would entitle the septiment and so STERIL ATIONS							
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RECEIVED State of New Mexico
Energy, Minerals & Natural Resources Department PO Box 1900, Hobbs, NM 88241-1900 Form C-102 Revised February 10, 1994 District [] 11 12 OIL CONSERVATION DIVISION PO Drawer DD, Artesia, NM 88211-9719-Instructions on back Submit to Appropriate District Office JUL 13 District III PO Box 2088 1000 Rio Brazos Rd., Aziec, NM 87410 State Lease - 4 Copies Santa Fe, NM 87504-2088 Fee Lease - J Copies District IV CAta-PO Box 2009, Santa Fe, NM 87504 2008 AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 1 Pool Code 025-326 edera Operator Name ' Elevation SHACKELFORD OIL COMPANY 3610 10 Surface Location Section Towaship Range Lot Ida Feel from the North/South Lac Feet from the East/West Bas County Ô 7. 19S. 32E. 660 SOUTH 1750 EAST LEA 11 Bottom Hole Location If Different From Surface UL or lot se. Section Township Range Lot Ida Feet from the North/South Lac Feet from the East/West Kas County 13 Dodicated Acres 13 Joint or Infill 14 Consolidation Code 11 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 **OPERATOR CERTIFICATION** I hereby certify that the information contained herein is "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 correct to the part of influency. me or under my supervision, and that the same is true 1750'

## 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 (214) 727-8367

P. O. BOX 589 ALLEN, TEXAS 75002

In Texas (800) 442-5224

