orm 9-331 C (May 1963)	Drawer DD Artesia, NM 8 DEPARTM	NITED STATES	SUBMIT IN 1 (Other instruc reverse si RIOR		Form approved. Budget Bureau No. 42-R1425. 5. LEASE DESIGNATION AND SERIAL NO.
		LOGICAL SURVEY			NM-31200
APPLICA	TION FOR PERM	IT TO DRILL, DEEP	en, or plug e	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
a. TYPE OF WORK	DRILL X	DEEPEN	PLUG BA	ак 🗆	7. UNIT AGBEEMENT NAME
b. TYPE OF WELL	GAS OTHE			ÉD X	S. FARM OR LEASE NAME
NAME OF OPERAT	TOR				Lakewood Federal 9. WELL NO.
Exxon C	Corporation /		DFC 1	982	3
P. O. B	lox 1600. Midland	1, TX 79702 y and in accordance with any i	2		10. FIELD AND POOL, OR WILDCAT
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	-2040' FSL and -	738 FEL of Sectio	n ARTESIA, OF	NT.I	AND SURVEY OR AREA
At proposed pro		NEAREST TOWN OR POST OFFIC		<u></u>	Sec. 34, T19S, R25E 12. COUNTY OB PARISH 13. STATE
	iles South from				Eddy New Mexi
5. DISTANCE FROM	EAREST 600' 1se		O. OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL
(Also to neare	EASE LINE, FT. est drig. unit line, if any) ( M FROFOSED LOCATION*	600' drlg line	120 ROPOSED DEPTH	20. ROTA	40 BY OR CABLE TOOLS
TO NEAREST W	ELL, DRILLING, COMPLETED,	0'S to #2	3000		Rotary
21. ELEVATIONS (Sh	ow whether DF, RT, GR, et				22. APPBOX. DATE WORK WILL START* December 1982
<u>3532' (</u>	<u>GR</u>	PROPOSED CASING AN	D GRACENTING DROCK		December 1982
			SETEING DEPTH		QUANTITY OF CEMENT
SIZE OF HOLD	E SIZE OF CASING	; <u>weight per foot</u> 75#	40'	R	eadi-Mix to surface
$\frac{20^{\circ}}{12}$ 1/4"	8 5/8"	24#	480'		40 cu. ft. to surface
7 7/8"	5 1/2"	14#	3000'	5	20 cu. ft. to surface
Gas is	not dedicated t	o a purchaser.			NOV 1 U 1982 CIL & CIS MUNEDU C FONT, SERVICE ROSSITIL, HEW LEXICO
zone. If proposa preventer program 24. SIGNED M (This space f	l is to drill or deepen dire	betinnally, give pertinent data	plug back, give data on on subsurface locations : Unit Head	present pro	ductive zone and proposed new productive ed and true vertical depths. Give blowout 
PERMIT NO	NUV 2 H				
			: Use fresh u		_

Exxon Lse No.

# \_\_\_\_\_\_\_ ,EW MEXICO OIL CONSERVATION COMM ION

Lease     Weil No.       Exxon Corporation     Lakewood Federal     3       hit Letter     Section     Township     Range     County       I     34     195     25E     Eddy       ctual Footage Location of Weil:     2190     feet from the South     11e and     588     feet from the East     line       vound Level Elev:     Producing Formation     Pool     Nilid dat     Nilid dat     Nilid dat	te Lse. No	WELL LOCATION	N AND ACREAGE D	EDICATION PL	.AT	Effective 1-1-65
Exam Corporation       Lake wood Federal       3         stiture       Section       Townamp       Ages       County       Eddy         stall former Location of Weil:       South       Lase       Eddy       Eddy         stall former Location of Weil:       South       Interment South       Eddy       Eddy         2190       test from the South       Bone South       Interment South       RECEIVED Detailed Accesser         3532       Bone South       Bone South       Interment South       RECEIVED Details Accesser         1. Outline the accessed dedicated to the subject well by colored pencil or hachwer marks on the part ban one lease is dedicated to the well, nutling thereof (both as to work interests and royalty).       If more than one lease of different ownership is dedicated to the well, have the well, have the termination of the part ban one lease of different ownership is dedicated to the well, have the termination of the part ban one lease of different ownership is dedicated to the well, have the termination of the part ban one comparison on the part ban one comparison the part ban one comparison on the part ban one compar	lerai Lse. No	All distances mus		aries of the Section	·	Weil No.
III Letter       Section       Townaits       Townaits       Country       End Product Accounts       Stady         1190       255       Stady       Stady       Stady       Stady         2190       text from the Sott It       Stady       Townaits       Townaits       Townaits         3532       Bone Springs       Wildcat       RECEIVED       Deticated Accounts       Accounts         1. Outline the accesses dedicated to the subject well by colored pencil or hacture marks on the plat below.       DEC       1994       Accounts         2. If more than one lease is dedicated to the well, outline each and identify the overeship thereof (both as to work on transmittization, unitization, unitization, force-pooling, etc?       Antestad, OFALE         Yes       No       If answer is "set" type of consolidation       OC. 2. Chiest         If answer is "acc" list the owners and rect descriptions which have actually been consolidated (by company its/SectemDinitization, if arced-pooling, or other iso) or ustil a non-tanderd unit, eliminating such interests. Individue of the reverse elde this form if accessary.         No allowable will be assigned to the well until all interests have been consolidated (by company Exact Corporation since accessary)       CERTIFICATION         If hereby certify that the information construction in the section of the reverse elde the construction of the reverse elde the construction of the reverse elde the construction of therest in the well hereft       CERTIFICATION </th <th>Exxon Corporation</th> <th></th> <th>Lakew</th> <th>ood Federa</th> <th>1</th> <th>3</th>	Exxon Corporation		Lakew	ood Federa	1	3
The Foreign Location of Wells 2190 were from the South is South in a contact of the subject well by colored pencil or hachare marks on the plat below. 3532 Done Springs Wildcat RECEIVED Center and the subject well by colored pencil or hachare marks on the plat below. DEC 1994 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work o, C, D, Artest If more than one lease of different ownership is dedicated to the well, have the integets of mill five first the ownership is dedicated to the well, have the integets of mill five first the ownership is dedicated to the well, have the integets of mill five first the ownership is dedicated to the well, have the integets of mill five first the first			Range	County		
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Dead Line:       Producting Formation       Poil       Peril WildCat       RECEIVED Dedicated Accesses		South	588	feet from the	Fast	
Done Springs     Done Springs     Ovinced pecific hards and the set of the subject well by colored pecific hards and the set of the set of the subject well by colored pecific hards and the set of the set			Pool	NO.5		
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Exxon Lse No.

State Lse. No. \_\_\_\_\_

## WELL LOCATION AND ACREAGE DEDICATION PLAT

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Exxon Corp	oration			Lakewoo	d Feder	<u>ai</u>	3
it Letter Se	ction	Township		Range	County		
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3532		50	<u> </u>				
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				 		a.J	Kuliman
					Y	Certificate No	tuliman GIE7

Exxon Corporation Lakewood Federal Well #3 2040' FSL and 738' FEL Sec. 34, T195, R25E Eddy County, New Mexico Federal Lease No. NM-31200

- 1. The geologic name of the surface formation: Recent.
- 2. The estimated tops of important geologic markers:

Yates	450'
Capitan	700'
Seven Rivers	1200'
San Andres	2300'
Yeso	2400'

3. The estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to occur:

Water	50'
0il	2400'

4. Proposed Casing Program:

String	<u>Size</u>	Weight/Grade	Condition	Depth Interval
Surface	8-5/8"	24 <b>#</b> /K-55	New or Used	0- 480'
Production	5 1/2"	14 <b>#/K-</b> 55	New or Used	0-3000'

5. Minimum specifications for pressure control equipment:

- a. Wellhead Equipment Threaded type 2000 spi WP for 8-5/8" x 5-1/2" casing program and 2-7/8" tubing.
- b. Blowout Preventers Refer to attached drawing and list of equipment titled "Type I-C" for description of BOP stack and choke manifold.
- c. BOP Control Unit Unit will be hydraulically operated and have at least 4 control stations.
- d. Testing When installed on 8-5/8" surface casing the BOP stack will be tested to a low pressure (200-300 psi) and to 2000 psi. Csing rams will be tested in like manner when installed prior to running production casing. An operational test of the blowout preventers will be performed on each round trip (but not more than once each day); the annular and pipe ram preventers will be closed on drill pipe, and the blind rams will be closed while pipe is out of the hole.

Lakewood Federal Well Federal Lease No. NM-3. 79

6. Type and Anticipated Characteristics of Drilling Fluid:

Depth Interval	Mud	Weight	Funnel Visc.	WL	PH
(Feet)	Type	(ppg)	(Sec/Qt)	(cc)	
1100' 0-480' 1100:480- ID	FW Mud Brine	<b>8.6-9.</b> 0 10	30 <b>-</b> 33 30-33	_ 10	10.5 10.5

- 7. Auxiliary Control Equipment:
  - a. Kelly Cocks: Upper and lower installed on kelly.
  - b. Safety Valve: Full opening ball type to fit each type and size of drill pipe in used will be available on rig floor at all times, in open position for stabbing into drill pipe when kelly is not in the string.
  - c. Trip tank to insure that hole is full and takes proper amount of fluid on trips. Will be used during drilling of production hole.
  - d. Mud system monitoring equipment and floats at the bit will not be used unless conditions dictate.
- 8. Testing, Logging, and Completion Programs:
  - a. Logging: 2400'-TD CNL-FDC, DIL Surface-TD SNP-GR
  - b. Completion Formation: Yeso 2400-3000'

Proposed Completion Procedure: Spot acid across pay zone. Run GR-CCL and perforate. Acidize with 4000 gallons 15% gelled NE HCl.

- c. Production Method: Run packer on 2-7/8" tubing and set above Yeso perforations. Produce Yeso oil up the tubing.
- 9. Abnormal Pressure or Other Possible Hazards:
  - a. No abnormal pressure is anticipated.
  - b. No H<sub>2</sub>S problem is expected.
- 10. It is anticipated that the drilling and completion operations will begin in t Gugober 1982, and be finished in approximately three weeks.

KH:1j

 $\sum$ CHOKE MANIFOLD (a) (b) (b) 0 0 FLOW LINE 0 6 4 Θ 4 BLOWOUT PREVENTER SPECIFICATION 6 BLIND PIPE FAMS U E **(**1) ALTERNATE FLILINE C B FILL & 0 FLOW LINE Type I 6 Pole RAMS BLIND E 0 6 € ALTERNATE FILL LINE [ KELL PLOW LINE **E** 9 BLIND ANNULAR dob Θ 4 0 0 Q **(** 7 ALTERNATE FILL LINE 6 File & €

MIDLAND DRILLING ORGANIZATION

I-2

REV. 9/19



TIPE I

BOP stack "A", "B" or "C" acceptable. All equipment should be at least API 2000 psi W.P. or higher unless otherwise specified.

#### BOP STACK "A"

- 1. Bell Nipple with flow line and fill connection.
- 2. Hydril or Shaffer bag type preventer.
- 3. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
- 4. 2-inch (minimum) flanged plug or gate valve.
- 5. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
- 6. Ram type pressure operated blowout preventer with blind rams.
- 7. Screw type casing head (furnished by Erron) with flange adapter (furnished by contractor).
- 8. Flug or gate valve (furnished by Exron).

BOP STACK "B"

- 1. Bell nipple with flow line and fill connection.
- 2. Ram type pressure operated blowout preventer with blind rams.
- 3. Flanged spool with one 4-inch and one 2-inch (minimums) outlet.
- 4. 2-inch (minimum) flanged plug or gate valve.
- 5. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve.
- 6. Ram type pressure operated blowout preventer with pipe rame.
- 7. Screw type casing head (furnished by Erron) with flange adapter (furnished by contractor).
- 8. Plug or gate valve (furnished by Erron).

### BOP STACK "C"

- 1. Bell nipple with flow line and fill connection.
- 2. Double pressure operated raw type preventer with blind raws in the top and pipe raws in the bottom with one 4-inch and one 2-inch (minimum) side outlets.
- 3. 2-inch (minimum) flanged plug or gate valve.
- 4. 4-inch flanged pressure operated gate valve or manual operated plug or gate valve. 5. Screw type casing head (furnished by From) with flange adapter (furnished by
- 5. Screw type casing head (furnished by Erron) with flange adapter (furnished by contractor).
- 6. Flug or gate valve (furnished by Erron).

### CHOKE MANIFOLD

- 1. 4-inch flanged spacer spool.
- 2. 4-inch X 2-inch X 2-inch X 2-inch flanged cross.
- 3. 2-inch flanged plug or gate valve.
- 4. 2-inch flanged adjustable choke.
- 5. 2-inch threaded flange.
- 6. 2-inch X H nipple.
- 7. 2-inch forged steel Ell.
- 8. Cameron (or equal.) threaded pressure gage.
- 9. Blind flange.
- 10. 2-1/2-inch pipe, 300' to pit, anchored.

### NOTES:

- 1. Replacement pipe rams and blind rams shall be on location at all times.
- 2. Only type U, QRC, E and LWS ram type preventars acceptable.







