		N.M.O.C.D. CO	204				
Form 9-381 C	• -	N.W.U.C.D. U	JPY	SUBMIT IN	JATE*	Form a Budget	pproved. Burgau No. 42-R1425,
(May 1963)	UNIT	ED STATES	5	(Other In <b>str</b> reverse	uctions on side)	3	7 - 7-2 - 1
	DEPARTMENT				ſ	5. LEASE DESIGN	J L JOI
	GEOLO	GICAL SURVE	τY				
						6. IF INDIAN, ALI	025497
APPLICATION	FOR PERMIT T	O DRILL, L	DEEPEN,	OR PLUG	BACK		
1a. TYPE OF WORK DRI		DEEPEN [		PLUG BA	ACK 🗌	7. UNIT AGREEM	ENT NAME
b. TYPE OF WELL OIL [V] GA	s (		SINGLE	MULT		8. FARM OR LEAS	TT NAME
2. NAME OF OPERATOR	ELL OTHER		ZONE	ZONE			"B" Federal
2. NAME OF GIBURION	Sun Oil Compan	v				9. WELL NO.	
3. ADDRESS OF OPERATOR	our orr company		ع م			4	
	P. O. Box 1861					10. FIELD AND P	OOL, OR WILDCAT
4. LOCATION OF WELL (R At surface	eport location clearly and	in accordance wit	h an <b>g Sa</b> te re	quirements.*)		Northeast	Lusk-Yates
1980	)' FWL & 660' FN	IL Unit Lt	r. "C" 🗗	8 87 <b>198</b>	ļ	11. BEC., T., R., M AND SURVEY	C., OR BLK. OR ARBA
At proposed prod. son				OLOGICAL		Sec. 15.	T 19 S, R 32 E
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFIC HOB	<del>3s, new me</del>			ARISH 13. STATE
14 miles Sout	h from Maljamar:	, NM				Lea	NM
10. DISTANCE FROM PROPO LOCATION TO NEAREST			16. NO. OF A	CRES IN LEASE		OF ACRES ASSIGNED	)
PROPERTY OR LEASE L (Also to nearest drig	INE, FT.	660'	160	)		40	
18. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION*		19. PROPOSE		20. ROTA	RY OR CABLE TOOL	
OR APPLIED FOR, ON TH	IS LEASE, FT.	.320'	31	50'	Rota		
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)					22. APPROX. DA	TE WORK WILL START*
3637' GR						ASAP	
23.	1	ROPOSED CASH	NG AND CEM	ENTING PROG	RAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00T 8	ETTING DEPTH		QUANTITY OF	CEMENT
12 <sup>1</sup> / <sub>4</sub>	8 5/8	24#		400±	375	sx C	IRCULATE
7 7/8	51/2	14#	2	750±	530	) sx (Circ)	CIRCULATE
			3	150 TD			
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			_				
	- 70	PUMEL	<u>M</u>				
			IJ				
RECEIVED FEP 1.8 1981							
COLCAL SURVET							
U. S. GEOLOGICAL SURVEY HOBBS, NEW MEXICO							
	HOBE	5, NEVY MEN	• - `				

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 preventer program, if any.

810 Seris Hilliams	TITLE Sr. Accounting Assistant	DATE
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	······································
APPROVED BY	CONS DISTICT DAVE	FEB 24 1987
CONDITIONS OF APPROVAL, IF ANY :		·····

## NUM LEXICO OIL CONSERVATION COMMIS WELL LOCATION AND ACREAGE DEDICATION PLAT

Rim (1-102) Supersedes C-12r File sive 1-1-65

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Sun (	Dil Co.		Jenne .	'b" Fed.	<b>A</b> # 15	4
401 <b>**</b> 1	le tron	T wist:		· · · · ·		· · · · · ·
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660	leet trun Hie	North	1920	Martin West		
3637.0	Producing F YAT	ES	NORTHEAST LUSK-Y		Let a CAL	40

a statime the acreage dedicated to the surject well by counted pensil a hachare marks on the plat before

- 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof floats is working interest and royalty).
- 3. If more than one lease of different isonership is dedicated to the well, have the interests of all owners been consoliinted by communitization, unitization for e-pooling etch.

Yes [1] No. If answer is "vest" type of consolidation

If answer is "no" list the owners and trace descriptions which have actually been consolidated. It series ends of this form if necessary (

To allowable will be assigned to the well until all atcrests have been consolidated, by communitization, antization, found-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

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SUN OIL COMPANY (DELAWARE) JENNINGS "B" FEDERAL NO. 4

## NEW MEXICO LEASE N.M. 025497 LEA COUNTY, N.M.

- 1. <u>GEOLOGIC NAME OF SURFACE FORMATION</u>: "QUATERNARY"
- 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Rustler	1300±	Feet
Yates	2822 <b>±</b>	Feet

3. ANTICIPATED HYDROCARBON BEARING ZONES:

Yates 2822± Feet

4. CASING PROGRAM

<u>Size</u>	<u>Footage</u>	<u>Grade</u>	WT/FT
8-5/8" 5-1/2"	400± 2750± 3150' TD	K - 55 K - 55	24 lb. New 14 lb. New

## 5 & 7. <u>OPERATORS MINIMUM SPECIFICATIONS FOR PRESSURE AND BLOW OUT</u> EQUIPMENT TO BE USED:

After setting the 8-5/8" casing string and before drilling into the Yates formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.

Pipe rams and the annular-type preventer shall be actuated at least once each 24 hours and the blind rams each time the drill pipe is out of the hole.

Accumulators shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.

A drill string safety value in the open position shall be maintained on the rig floor at all times while drilling operations are being conducted.

Blowout prevention drills shall be conducted as necessary to insure that each drilling crew is properly trained to carry out emergency duties.

Good drilling practices will be implemented on the duration of this well. Visual monitoring of pit levels will be continual to allow for detection, before or during, of possible problems or well kicks. This will allow for quick action to deal with the successful handling of a well kick. Sun - JENNINGS "B" Federal No.4

When coming out of the hole with drill pipe, the annulus shall be filled with mud before the mud level drops below 150 feet. The volume of mud required to fill the hole shall be watched, and any time there is an indication of swabbing, or influx of formation fluids, proper blowout prevention precautions must be taken. The mud shall not be circulated and conditioned except on or near bottom, unless well conditions prevent running the pipe to bottom.

A copy of these requirements shall be posted on the rig floor or in the dog house during the drilling of the well.

6. <u>TYPE AND MUD SYSTEM CHARACTERISTICS</u>:

From	Τo	Wt. Lbs/Gals	WL	Vis	Type Mud
400	400 2500 3100 (TD)	8.6 - 8.9 9.8 - 10.0 10.0 - 10.0	N C N C 1 5	33-35 28-32 34-40	Gel-Lime Sat Brine-Lime Salt Gel Caustic Soda

8. Anticipate no drill stem tests. Such tests, if later determined necessary, will be conducted under established prudent industry practice.

Schlumberger: CNL/FDC/GR Cal TD to 2000' DLL/GR TD to 2000'

9. No abnormal pressures, temperatures or hydrogen sulfide gas is expected.

Sun has drilled eight wells in the area: (1) Shearn Federal #1; (2) Jennings Federal #1; (3) Sloan Federal #1; (4) Jennings Federal "A" #1; (5) Jennings Federal "B" #1; (6) Shearn Federal #2; (7) Jennings "A" Federal #2 and (8) Jennings "B" Federal #3.

 Estimated starting date: As soon as possible - subject to approval of permit and data presented herein.

11) Cil Derlan H. L. Bethancourt

District Drilling Manager