Form 9-331 C (May 1963)			SUBMIT IN TR (Other instruc			ed. u No. 42–R1425.		
		ED ATES	and the second states of the					
	DEPARIMENT		TUR		5. LEASE DESIGNATION AND SEBIAL NO.			
	GEOLO		LC-062178					
APPLICATION	I FOR PERMIT	O DRILL, DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME		
1a. TYPE OF WORK			PLUG BAG	кП	7. UNIT AGBEEMENT	NAME		
b. TYPE OF WELL					Milnesand (San Andres) Unit			
	ELL OTHER		INGLE X MULTIP		S. FARM OR LEASE NA	ME		
UNI	ON TEXAS PETROL	EUM CORPORATION	1		9. WELL NO.			
3. ADDRESS OF OPERATOR		- Midland Tax	70701		24] 10. FIELD AND POOL.			
4. LOCATION OF WELL (R	O Wilco Buildin	in accordance with any	(dS /9/U] State requirements.*)		Milnesand (San Andres)			
At surface 263	0'FNL & 100'F	EL			11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA			
At proposed prod. zon	<sup>e</sup> Same				Sec. 24, T-8-9	5 P_3/_F		
14. DISTANCE IN MILES A	AND DIRECTION FROM NEAD	REST TOWN OR POST OFFIC	E ¢		12. COUNTY OR PARISI	1 13. STATE		
4 miles west			1 2 <sup>1</sup> / <sub>2</sub> miles south		Roosevelt	New Mexico		
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OB LEASE L	INE, FT.	00	o. of aches in lease 370.18 (Unit)		F ACRES ASSIGNED HIS WELL			
(Also to nearest drig 18. DISTANCE FROM PROP	OSED LOCATION*		ROPOSED DEPTH		RY OR CABLE TOOLS			
TO NEAREST WELL, D or Applied For, on the	is lease, ft. (Se	e Note #1)	4800	R	otary			
21. ELEVATIONS (Show who				· · · · · · · · · · · · · · · · · ·	October 1, 1978			
<u>423</u>	9.1' GR	ROPOSED CASING AN	D CEMENTING PROGRA	inder the test				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	1, 1978	B QUANTITY OF CEMENT SUPPO Sacks CIRCULATE AFPRUME COME GRANTED			
12 1/4"	8 5/8"	24#	± 360' 2116		SUPSO Sacks C	REULAT		
7_7/8"	5 1/2"		4800'	OGICAL	AEX875 Sacks			
SEE A	TTACHED FOR	VAL	U. S. C.L.	₽. <i>115.</i> 4.	SUBD Sacks C AF1095 Sacks "AFPRO WHILE DRILLIN	G AND TESTING."		
Pro int	posed to drill o the San Andre	and equip an of s zone of the N	il well to depth Milnesand (San A	n of ap Andres)	proximately 4 Unit.	800'		
We1	l control equip	ment will compl	ly with API 3M F	Rds. Sp	ecifications.			
Gas	purchaser dedi	cation for this	s acreage, is to	o Atlan	tic Richfield	•		
Not			vell is 873 sout is 858 northwes			The		
	2. See atta attached	• •	t to Form 9-331	C and	Schematic dia	gram		
IN ABOVE SPACE DESCRIBE zone. If proposal is to preventer program, if an	PROPOSED PROGRAM : If drill or deepen direction:	proposal is to deepen or	plug back, give data on pr on subsurface locations an	resent prod 1d measured	uctive zone and propos d and true vertical dept	ed new productive hs. Give blowout		
24. BIGNED Stan	ley A. Jos	TITLE_SI	r. Prod. Analyst	t	DATE aug	ust 11, 1978		
(This space for Fede	ral or State office use)		<u></u>					
PERMIT NOUnles	s Drilling Opera	tions have	APPROVAL DATE			ED		
Comme	nced, this drill	APPROVED AS AMENDED						
APPROVED BY EXPIRE CONDITIONS OF APPROV	EB_DEC_ <u>3_1_197</u>	TITLE			ADANIEN			
		*See Instructions	: On Reverse Side		SEP 15, JAMES F. S DISTRICT ENG	1978 - Juns INS INEER		

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### NEW KICO OIL CONSERVATION COMMISSION WELL LUCATION AND ACREAGE DEDICATION PLAT

Union Texos Petroleum Corp.         Milnesond Unit         241           H         24         8 South         34 East         Roosevelt           All of the transmission formation         North         insert         100         restort is         East           All of the transmission         Production formation         North         insert         100         restort is         East           All more than one lease is dedicated to the subject well by colored pencil or bachare marks on the plat below.         40            If more than one lease is dedicated to the well, outline each and identify the townership thereof thoth as to work interest and rowally.         110            If more than one lease of different ownership is dedicated to the well, base the interests of all uwners been coused dated by communization, unitization, force-pooling, etc?             If answer is "vest" type of consolidation              If answer is "vest" type of consolidation               No allowable will be assigned to the well unit all interests have been consolidated the communization unitration forceopooling, or otherwiselor unit a nonestandard unit. ellininating such interests, has been approved by the Count such as the count			All distances must be	from the outer boundaries	of the Section	
H     24     8 South     34 East     Receive!       Cast     Free term the     North     there and     100     receiver the     East       Cast     Free term the     Pree:     North     Millinesand (San Andres)     40     0       At 239.1     San Andress     Millinesand (San Andres)     40     0     0       1. Outline the acreage dedicated to the subject well by colored pencil or backute marks on the plat betway.     40     0       2. If more than one lease is dedicated to the well, outline each and identifs the ownership thereof thosh as to warking interests and rowalky.     40     0       3. If more than one lease is dedicated to the well, outline each and identifs the ownership thereof thosh as to warking interest and rowalky.     40     0       4. Yes     No     If answer is "ves!" type of consolidation	perator	Union Texas P	etroleum Corp.		and Unit	241
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The following information is filed as a supplement to Form 9-331-C "Application for Permit to Drill, Deepen, or Plug Back".

- The geologic name of the surface formation: Quarternary Alluvium, Bolson and other surficial deposits.
- 2. The estimated tops of important geologic markers: Anhydrite - 2145' Yates - 2665' T/Salt - 2260' Queen - 3370' B/Salt - 2560' San Andres - 3875'
- 3. The estimated depth at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Santa Rosa	- 800' <u>+</u>	(Water)
Yates	- 2665' <u>+</u>	(Water)
Queen	- 3370'+	(Water)
San Andres	- 3875' <u>+</u>	(Oil & Water)

- 4. The proposed casing program, including the size, grade, and weight per foot of each string; and whether new or used: Surface 8 5/8" K-55, ST&C, 24#/ft. New Production 5 1/2" K-55, ST&C, 15.5#/ft. New
- 5. The lessee's or operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof, showing sizes, pressure ratings (or API Series), and the testing procedures and testing frequency. Well control equipment will comply with API 3M Rds. Specifications. Will run test and check prior to drilling out (Test to 1500#). A schematic diagram with minimum specification is attached.
- 6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling, and the quantities and types of mud and weighting materials to be maintained:

A. SURFACE	( 0'- 360' ) Surface will be spudded with fresh water
	gel and lime type drilling fluid.
B. PRODUCTION	( 360'- 800' ) Fresh water w/paper and Myca to control
	water loss and maintain viscosity of 34-36
	Sec./1000 cc.
	(1700'-1800' <u>+</u> ) Add 4-6% Oil to help stability and increase
	penetration rates.
	$(4350'-4400'\pm)$ Add Imco Loid to reduce fluid loss (15 ML+)
	and Imco Brinegel to maintain a viscosity
	of 34-36 Sec./1000 cc.
	(4615'-4725' ) Maintain water loss around 15 ML to keep
	hole cleaned of cuttings.
	(4725'-T.D) Control water loss as needed, to keep hole
	clean.
	Mud weight will be maintained at 8.7 to 9.2#/gal.

7. The auxiliary equipment to be used, such as (1) kelly cocks, (2) floats at the bit (3) monitoring equipment on the mud system, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is not in the string. Auxiliary equipment to be used is a pit level indicator.

### MILNESANC UNIT #241

Page - 2 -

8. The testing, logging, and coring programs to be followed, with provisions made for required flexibility. The well will be logged as follows:

A. Total Depth to 2500' - Dual Induction Laterolog w/Caliper Total Depth to 2500' - Compensated formation Density Total Depth to 2500' - Compensated Neutron w/Gamma Ray	nc	WCII W		105	igeu us	10110	JW2.				
	Α.	Total	Depth	to	2500'	-	Dual	Inducti	ion Later	olog w/Ca	liper
Total Depth to 2500' - Compensated Neutron w/Gamma Ray		Tota]	Depth	to	2500'	-	Compe	ensated	formatio	n Density	
		Total	Depth	to	2500'	-	Compe	ensated	Neutron	w/Gamma F	₹ay

- B. The well will be cored from 4615' to 4725' using 7 13/16" Diamond Bit with 6 7/8" coring barrel.
- C. Schlumberger's RFT pressure tool to be run over San Andres interval to determine static pressures.
- 9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas; along with plans for mitigating such hazards. No abnormal pressures or temperatures are expected to be encountered. If any hydrogen sulfide gas is encountered, it should only be a trace of gas (No measurable volume)
- The anticipated date and duration of the operations. Anticipated starting date is October 1, 1978, with a duration of operations of approximately 30 to 45 days.

## UN' I TEXAS PETROLEUM MILNESAND UNIT NO. 241

MILNESAND (SAN ANDRES) UNIT ROOSEVELT COUNTY, NEW MEXICO



# BLOWOUT PREVENTER

I.

SCHEMATIC DIAGRAM OF MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL



APIWORKINGSERVICECLASSPRESSURECONDITIONPSI3,000LOW PRESSURE

### U. S. Geological Survey

HOBBS DISTRICT

Union Texas Petroleum Corporation 241 Milnesand (San Andres) Unit SEWNEW sec. 24-85-34E Roosevelt County, New Mexico Above Data Required on Well Sign

#### CONDITIONS OF APPROVAL

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Drilling Operations on Federal Gil and Gas Leases, dated January 1, 1977.
- 2. Notify this office (telephone (505) 393-3612) when the well is to be spudded and in sufficient time for a representative to witness all cementing operations. Attached are names and telephone numbers of Geological Survey and Bureau of Land Management personnel who are available for consultation during construction, drilling, completion, and rehabilitation activities.
- 3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.
- 4. Secure prior approval of the District Engineer for variance from the approved drilling program and before commencing plugging operations, plugback work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely.
- 5. Blowbut prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.
- 6. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.
- 7. All pits found to contain toxic liquids will be fenced and covered with a fine mesh netting for the protection of wildlife.