Form 316(-3 (November 1983)	-							
			SUBMIT IN	PLICATE		proved.		
(formerly 9-331C)			(Other inst	aide)	Budget Bureau No. 1004-0136 Expires August 31, 1985			
		NT OF THE INT	-		5. LEASE DES	IGNATION AND BE	BIAL NO.	
	BUREAU O	F LAND MANAGEM	ENT		NM-61			
APPLICATIO	n for permit	TO DRILL, DEE	PEN, OR PLUG	BACK	6. IF INDIAN,	ALLOTTEE OF TEN	BE NAME	
DR b. TYPE OF WELL		DEEPEN 🗌	PLUG BA	CK	7. UNIT AGEE	EMENT NAME		
OIL C C WELL XX C W	AS OTHER		ZONE X ZONE		8. FABM OR L			
	. Landreth					"20" Fede:	ral	
ADDRESS OF OPERATOR	• Lanureun				9. WELL NO. 1			
505 Nort	h Big Spring.	Suite 507. Midl	and, Texas 7970	1	·	POOL, OR WILDO	`AT	
. LOCATION OF WELL (R At surface	eport location clearly as	nd in accordance with any	State requirements.*)			t (Yates)		
	FNL & 760' FWL	of Section 20,	T-22S, R-34E		11. SEC., T., E.	M., OR BLE.		
At proposed prod. son		Unit T	•		AND BURY	ET OR AREA 20, T-225	5, R-3	
4. DISTANCE IN MILES	ND DIRECTION FROM NE	ABEST TOWN OR POST OFF	1CE+			PABISH   13. ST	•	
22 mi	les West south	west of Eunice	, New Mexico		Lea Cou	1	м.	
5. DISTANCE FROM PROPU LOCATION TO NEAREST	SED*		NO. OF ACRES IN LEASE		F ACRES ASSIGN			
PROPERTY OR LEASE L (Also to nearest drig	unit line, if 760,		160			40		
8. DISTANCE FROM FROF TO NEAREST WELL, DI	RILLING, COMPLETED.	19.	PROPOSED DEPTH	20. ROTAE	T OR CABLE TO	DLS		
OR APPLIED FOR, ON THI		1 st well	4000'	Ro	tary			
	3469' Ground Le	[ סער				DATE WORK WILL		
3.			······································		Jun	e 27, 1995	<u> </u>	
			ND CEMENTING PROGRA	м				
BIZE OF HOLE	BIZE OF CABING	WEIGHT PER FOOT	BETTING DEPTH	-	QUANTITY C			
<u>121</u> 7" 7 7/8"	<u> </u>	24#	350'		SX CIRCUL			
/_//0	5 1/2	15.5#	4000'	/50	SX CIRCUL	AID		
PER. OGRID NO. ROPERTY NO. OOL CODE FF. DATE PI NO. ABOVE BPACE DEBCRIBE I. If proposal is to d venter program. If any.	AND STIMULATH SEE ATTACHED 25527 17211 2527 31720 31720 25-3300 profosed program : If	D AS NECESSARY FOR: SUPPLEMEN BOP SKETC SURFACE U	TAL DRILLING DAY	FA NS PLAN	ctive some and i	Droposed bew pro	o <b>đuctive</b> blowout	
BIGNED JULL	hi-c Rully	)	Agent		DATE	6/9/95		
(This space for Federa	u or State office use)							
PERMIT NO.	<u> </u>		APPROVAL DATE					
ADDOVED			LTDE TO CHERT	2		· · .	7	
APPROVED BY CONDITIONS OF APPROVAL	. IF ANY :				DATE	UBJECT TO >	<b>.</b>	
						QUIREMENTS		

## \*See Instructions On Reverse Side

\*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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Instruction on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

DISTRICT IV PO BOX 2088, SANTA FE, NM 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 36-125-33664	Pool Code	(11, -) · · · · · · · · · · · · · · · · · ·			
Property Code	Prope	Property Name ENGLE "20" FEDERAL			
0GRID No. 25522	•	tor Name E. LANDRETH	Elevation 3469		

### Surface Location

UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	22 S	34 E		760	NORTH	760	WEST	LEA

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	Joint o	r Infill C	onsolidation	Code Or	der No.	· · · · · · · · · · · · · · · · · · ·	•	4	
46				,					

### 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

1				
				OPERATOR CERTIFICATION
				I hereby certify the the information
3468.3' 3469.0	r, k	1		contained herein is true and complete to the
760'	, 			best of my knowledge and belief.
//				
3468.6' 3468.0	)'   			Aun M. C. Puthy Signature JANIFS M.C. Ritchie , Jr.
			·	Signature
1 1			1	Printed Name
	1			AGENT
				JUNE 9, 1995
				Date
	1			
				SURVEYOR CERTIFICATION
				I hereby certify that the well location shown
				on this plat was plotted from field notes of
			1	actual surveys made by me or under my
	1		·	supervison, and that the same is true and correct to the best of my belief.
			1	MAX 71 1005
	1			Maximum 1995
	i			Date Sarveyed J. E/O
			· — — — —	Signature & Seal of . O
	1		1	
				1 A 3139 A . 12
				10000 - 05-95 G-05-95
				/ 100 Num. 95-10-10859
				Certification of Contraction of Cont
				Certification of Fisher Strates J. ElDSON 3239
[ L		1	l	

# SUPPLEMENTAL DRILLING DATA

### ROBERT E. LANDRETH Engle "20" Federal Well No. 1

1. <u>SURFACE FORMATION:</u> Quaternary.

#### 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Yates 3700'

## 3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONE:

Yates

-----

Oil

#### 4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	<u>SETTING DEPTH</u> FROM TO		WEIGHT	GRADE	JOINT		
8 5/8"	0	350'	24#	J-55	ST&C		
5 1/2"	0	4000'	15.50#	J-55	ST&C		
MINIMUM DESIGN FACTORS:		Collapse 1.41 Burst 2.72 Tension 2.64					

8 5/8" casing is to be set at approximately 350' in 12 1/4" hole. Casing is to be cemented with 200 sacks of Light cement tailed in with 200 sacks of Class "C", 1% CaCl. Cement to circulate.

5 1/2" casing is to be set at 4000' in 7 7/8" hole. Casing is to be cemented with 200 sx of Light cement followed by 550 sacks of Class "H" cement . Cement to tie back to 8 5/8" casing.

### 5. PRESSURE CONTROL EQUIPMENT:

Blowout prevention equipment, while drilling the 12 1/4" hole, will be either a 3000 psi working pressure double ram type preventer or a 3000 psi working pressure annular type preventer.

Blowout prevention equipment, while drilling below the 8 5/8" casing seat, will be a 3000 psi working pressure BOP stack. A BOP sketch is attached.

### 6. CIRCULATING MEDIUM:

<u>Surface to 350 feet:</u> Fresh water spud mud. Viscosity 30 to 36 as required for hole cleaning.

<u>350 feet to 4000 feet</u>: Brine conditioned as necessary for control of viscosity. Weight 9.8 to 10. PH -9 to 10. Viscosity 32 to 36. Paper sweeps for hole cleaning. LCM may be used for seepage.

### 7. AUXILIARY EQUIPMENT:

A mudlogging trailer might be used while drilling through the Yates.

### 8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill Stem tests will be made when well data indicate a test is warranted.

It is planned that electric logs will include GR-CNL- Density logs ans GR-DLL logs.

No coring is planned.

### 9. ABNORMAL PRESSURES, TEMPERTURES, OR HYDROGEN SULFIDE GAS:

None anticipated. Expected bottom hole pressure is approximately 1950 psi. Expected bottom hole temperture is approximately 85 degrees Fahr

# 10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application, with drilling and completion operations lasting about 30 days.



BOP ARRANGEMENT

TO MUD PIT