Forr. 3160-3 (November 1983) (formerly 9-331C)	DEPARTMEN	ED STATES OF THE INTER LAND MANAGEMEN	(Other instr reverse RIOR	side)	30-015-25 Form approved. Budget Bureau I Expires August 5. LEASE DESIGNATION NM-34246	31, 1985
APPLICATIO	N FOR PERMIT	O DRILL, DEEP	N, OR PLUG	ВАСК	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
1a. TYPE OF WORK DR b. TYPE OF WELL		DEEPEN	PLUG BA	čk ^e	7. UNIT AGREEMENT N	AMB
		20	NGLE MULT		8. FARM OR LEASE NAM PFI AMOCO 19 9. WELL NO.	
3. ADDRESS OF OPERATOR		FUELS, INC.			2	
		X 569, HOUSTON			10. FIELD AND POOL, O	
At surface	1687' FS	In accordance with any S SL AND 2041' FWL	OF SECTION 19		WILDCAT De	BLK.
At proposed prod. zo:	le			- 1 -	SEC.19, T.22	S., R.26 E.
		REST TOWN OB POST OFFIC		EXICO	12. COUNTY OR PARISH EDDY	13. STATE NEW MEXICO
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dri	T LINE, FT. g. unit line, if any)	1687'	957.28	TOTH	F ACRES ASSIGNED HIS WELL 40	
18. DISTANCE FROM PROD TO NEAREST WELL, I OR APPLIED FOR, ON TH	RILLING, COMPLETED,	64'	4600'		OTARY	
21. ELEVATIONS (Show wh		3377.6 GL	4000	K	22. APPROX. DATE WO UPON APPR	
23.		PROPOSED CASING ANI	CEMENTING PROGR	АМ		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEME	1T
17-1/2"	13-3/8"	48#	600'		SACKS	
<u>12-1/4"</u> 7-7/8"	<u>8-5/8"</u> 5-1/2"	<u>24</u> # 15.5#	<u> 2200 ' </u>		SACKS SACKS	<u> </u>
ST	IMULATED AS NEC	ATTACHED FOR: S		RILLING	DATA	() ⁻
	E EXISTING WELL PRIMARY FUELS,	IN THIS 40-ACRE INC.	E TRACT IS OWN	ED AND O		
zone. If proposal is to preventer program, if an	drill or deepen direction	proposal is to deepen or p ally, give pertinent data	plug back, give data on on subsurface locations	and measured	uctive sone and propose 1 and true vertical depti 2014	hs. Give blowout
sig Ep Arthu	r R. Brown	TLE	Agent		DATE11-	
(This space for Fed	eral or State office use)					
PERMIT NO.			APPROVAL DATE			
APPROVED BY CONDITIONS OF APPRO	VAL, IF ANY :	TITLE			DATE	4.0/

*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.

NEW MEXICO OIL CONSERVATION CON- SSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-192 Supersedes C-128 Effective 1-1-55

All distances must be from the outer boundaries of the Section		All distances	must.	be	(-ហោង	the	outer	boundaries	oł	the	Section	
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275und Level Elev. Producing Formation Pool 3377.6 DELAWARE WILDCAT Decreated 4 1 Outline the accreage dedicated to the subject well by colored pencil or hachure marks - 2. If more than one lease is dedicated to the well, outline each and identify the ownersh interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest dated by communitization, unitization, force-pooling, etc?	St line Dedicated Acreage: 40 Acreage: n the plat below. ip thereof (both as to worki
K 19 22 South 26 East Edd 1687 teet tom the South Ine and 2041 teet tom the Network 3377.6 Producing Formation Foot Foot South Ine and 2041 test torm the Network 337.6 DELAWARE WILDCAT Foot Network Network 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks - No If more than one lease is dedicated to the well, outline each and identify the ownersh interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest: dated by communitization, unitization, force-pooling, etc?	St line Dedicated Acreage: 40 Acreage: n the plat below. ip thereof (both as to worki
1: all Poolage Lection of Well: 1687 feet from the South line and 2041 feet from the Net 3377.6 Producing Pormation Pool 3377.6 DELAWARE NILDCAT Decenter of MILDCAT Decenter of MILDCAT Tecenter of MIL	St line Dedicated Acreage: 40 Acreage: n the plat below. ip thereof (both as to worki
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3377.6 DELAWARE WILDCAT Decomposed 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks of the more than one lease is dedicated to the well, outline each and identify the ownersh interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest dated by communitization, unitization, force-pooling, etc? Yes No If answer is "no." list the owners and tract descriptions which have actually been consultated to the well will be assigned to the well until all interests have been consolidated to the forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has bein. If here If more there is the owner is interest. If answer is "no." list the owner is and tract descriptions which have actually been consultated to the well until all interests have been consolidated the forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has bein. If here If arch. Site If arch. Site If arch. Site	40 Ar n the plat below. ip thereof (both as to worki
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Yes No If answer is "yes." type of consolidation	
this form if necessary.)	
Arch. Site	communitization, unitizatio
Arch. Site	
Arch. Site	CERTIFICATION
Arch. Site	by certify that the information co d herein is true and complete to the my knowledge and belief. The structure thur R. Brown
Comt ar PR Date 11	n
Àrch. Site	ent
Arch. Site	, IMARY FUELS, INC.
Arch. Site	
	-30-87
204 1 204 1 SUM IS IN IS IN	nby certify that the well locati to on this plat was plotted from fire of actual surveys made by me my supervision, and that the sa we and correct to the best of i ledge and belief.
Date Sk Nov Bog	
	rveyed rember 25, 1987 red Professional Engineer Land Surveyor



SUPPLEMENTAL DRILLING DATA

PRIMARY FUELS, INC. WELL NO.2 PFI AMOCO 19 FEDERAL

1. SURFACE FORMATION: Alluvium over Tansil. (Permian)

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Capitan Reef	615'
Delaware	2240'

3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Delaware

0il.

4. PROPOSED CASING AND CEMENTING PROGRAM:

	SETTING DEPTH				
<u>CASING SIZE</u>	FROM	TO	WEIGHT	GRADE	JOINT
13-3/8"	0	600'	48#	H-40	STC
8-5/8"	0	2200'	24#	K-55	STC
5-1/2"	0	4600'	15.5#	K-55	STC

13-3/8" casing will be cemented with 100 sacks Premium Plus Thixset w/ 10#/sack of Gilsonite and 1/4#/sack of Flocele plus 300 sacks of Lite Premium Plus w/ 1/4#/sack of Flocele and 2% CaCl plus 250 sacks of Premium Plus w/ 2% CaCl. Cement to circulate.

8-5/8" casing will be cemented with 100 sacks of Premium Plus Thixset w/ 10#/sack of Gilsonite and 1/4#/sack of Flocele plus 600 sacks of Lite Premium Plus with 1/4#/sack of Flocele and 2% CaCl plus 250 sacks of Premium Plus with 2% CaCl. Cement to circulate.

5-1/2" casing will be cemented with 450 sacks 65/35 pozmix containing Premium Plus cement with .04% Halad-4, .02% CFR-3, and 5# salt/sack. Cement is calculated to tie-back to 8-5/8" casing.

5. PRESSURE CONTROL EQUIPMENT:

Blowout prevention equipment will consist of a 3000 psi working pressure, ram type, dual preventer and a 3000 psi working pressure annular type

preventer.

A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 2200 feet: Fresh water conditioned as necessary for control of viscosity and seepage

2200 feet to Total Depth: Water base drilling fluid conditioned as necessary for control of viscosity, pH, and water-loss. Weighted as necessary for well control.

7. AUXILIARY EQUIPMENT:

Mud logging services will be used while drilling the interval 2200 feet to Total Depth.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill stem tests will be made when samples, drilling time, and other data indicate a test is warranted.

Electric logs planned are GR/Sonic-Microlog-Cal and DIL-CAL.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

No abnormal pressures or temperatures are anticipated.

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.



