Form 3160-3 ( ovember 1983) merly 9-331C)

# DEPA

30-039-251231

	SUBMIT IN TRIPLICATE.	Form approved.
UNITED STATES	(Other Instructions on reverse side)	Budget Bureau No. 1004-0136 Expires August 31, 1985
ARTMENT OF THE INTERIOR	BEC NED	5. LEASE DESIGNATION AND BERIAL NO.
JREAU OF LAND MANAGEMENT	PROHIMED REACH	SF 078768

	BUREAU	JE LAND MANAGEME	NI	\$0.20	SF 078768
APPLICATIO	N FOR PERMIT	TO DRILL, DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME
In. TYPE OF WORK				<u>``; 3: [i]</u>	
DF	IILL 🖾	DEEPEN 🗌	PLUG BAC	CK 🗌	7. UNIT AGREEMENT NAME
b. TYPE OF WELL	AS VV	,	SINGLE TO STATE MULTIP	LE [	S. FARM OR LEASE NAME
WELL L	WELL, X OTHER		SINGLE ZONE ZONE		
2. NAME OF OPERATOR	МТПҮНГТ.Т.	ENERGY CORPORATION	ON .		N/A
3. ADDRESS OF OPERATOR		teenth Street Su			#326
S. AIDRESS OF OTERATOR		0 _80202	ICE #3500		10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (		and injaccordance with any	State requirements.*)		BASIN FRUITLAND COAL
A f SUFLUCE	V	270' FWL, T311		SW1	11. SEC., T., R., M., OR BLK.
	•	2,0 1,02, 10,1	. 10.11	24	T31N-R5W
At proposed prod. zo	ne same				Sec. 25: SW <sup>1</sup> / <sub>4</sub>
		EAREST TOWN OR POST OFFI	Cr.		12. COUNTY OR PARISH   13. STATE
± 62	MILES FROM E	LANCO, NEW MEX	KICO		RIO ARRIBA NM
15. DISTANCE FROM PROP	OSED*		NO. OF ACRES IN LEASE		F ACRES ASSIGNED
PROPERTY OR LEASE	LINE, FT.		2560	10 11	1 320 /
18. DISTANCE FROM PRO	rosed Location*	19. 1	TROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS
TO NEAREST WELL, OR APPLIED FOR, ON T	DRILLING, COMPLETED,	2800'	4000'		ROTARY
21. ELEVATIONS (Show w	hether DF, RT, GR, etc.)				22. APPROX, DATE WORK WILL START*
	6446'GR	procedural review put	rsuant to 43 CFR 3185.	.3	August 30, 1991
23.	0 1 1 0 01	PROPOSED CASING AN	O 43 CFH 3165 A COCK	MDINLLIN	S OPERATIONS AUTHORIZED ARE
				SUBJECT	TO COMPUTANCE WITH ATTACHED
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	"GENER	AL REVUIREMENTS
12-1/4"	8-5/8"	24# K-55	500'		sxs - circ to surface
7-7/8''	5–1/2"	15.5# K-55	4000'	700	sxs - circ to surface
above the	Fruitland may EXHIBITS Point Compliar Eace Use and Op Exhibit N Exhibit N Exhibit N Exhibit N	be tested for property ATTACHED  ace Program  berating Plan  No. 1 Proposed Companies  No. 2 Blowout Proposed Companies  No. 3 Location E	ementing Program eventer Schemati eventer Plat (F adius Map (inclusites Facilities Layo	to Ab c Form C- ides ex s, pipe	OCT 3 1991.  OIL CON. DIV
zone. If proposal is to preventer program, if a 24.  SIGNED CONTROL OF STATE OF STAT	drill or deepen directions.	SOY TITLE	plug back, give data on p on subsurface locations at Dist. Post, I	ygr.	APPROVED AS AMENDED
CONDITIONS OF APPRO	VAL, IF ANY :				tolickeller
SC Exold	104 forgrentor	chye	- GOOMM	15	AMEA MANAGER

#### DRILLING PROGRAM

Attached to Form 9-331C Mitchell Energy Corporation Rosa Unit No. 326 NWSW Sec. 25, T31N-R5W, N.M.P.M. 1570' FSL, 1270' FWL Rio Arriba County, New Mexico

# 1. GEOLOGIC NAME OF SURFACE FORMATION

The surface formation is Tertiary Rock.

## 2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Tertiary Rock	Surface
Ojo Alamo	2536'
Kirtland	2666'
Fruitland	3066'
Fruitland Coal	3146'
Picture Cliffs	3286'

# 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR MINERALS:

Ojo Alamo	2536'	Water		
Fruitland Coal	3146'	Gas & Minerals		

No other formations are expected to give up oil, gas, or water in measurable quantities.

## 4. CASING PROGRAMS

Hole <u>Size</u>	<u>Interval</u>	Section Length	Size (OD)	Weight, Grade and Joint	Condition
12-1/4"	0-500'	500'	8 5/8"	24# K-55 ST&C	New
7-7/8"	0-4000'	4000'	5 1/2"	15.5# K-55 LT&C	New

#### CEMENT PROGRAM

Refer to Exhibit #1 for description of proposed cementing program.

# 2. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Refer to the descriptive layout of the blowout preventer and accompanying notes given in **Exhibit #2**.

# EXHIBIT NO. 1 PROPOSED CEMENTING PROGRAM ROSA UNIT NO. 326

## SURFACE CASING

Hole Size: 12-1/4"

Casing O.D.: 8-5/8"

Depth: 500'

STAGE NO.	AMOUNT AND TYPE OF CEMENT	CEMENTING TOOLS	LOCATION	PROJECTED CEMENT TOP
1	412 Cu. Ft. (350 sxs) Class B + 46%, water	Float Collar	460 Ft.	Surface
	+ 2% CaCl <sub>2</sub> + 0.25 pps cello-seal	Guide Shoe	500 Ft.	

## PRODUCTION CASING

Hole Size: 7-7/8"

Casing O.D.: 5-1/2"

Depth: 4000'

STAGE NO.	AMOUNT AND TYPE OF CEMENT	CEMENTING TOOLS	LOCATION	PROJECTED CEMENT INTERVAL
1	795 Cu. Ft. (305 sxs) 65:35 poz (Base B) + 150% water + 12% gel (Bentonite) + 0.25 pps cello-seal			Surface to to 3192 Ft.
2	140 Cu. Ft. (100 sxs) 50:50 poz (Base B) + 60% water + 2%	Float Collar	3880 Ft.	3192 Ft. to 4000 Ft.
	gel (Bentonite) + 0.25 pps cello-seal + 6.25 pps Gilsonite	Guide Shoe	4000 Ft.	

Note: This is the proposed cementing program for all Mitchell Rosa Unit wells. Actual volumes/depths will vary for each individual well.

#### WATER PROTECTION METHODS

- 1. An adequate number of casing centeralizers will be run through usable water zones to ensure that casing is centralized through these zones. The adequate number of centralizers to be used will be determined by API standards.
- 2. Centralizers will impart a swirling action around the casing (such as turbulators) will be installed just below and into the base of the lowest usable water zone (Ojo Alamo). These devises will assist mud displacement, increase cement bonding potential, and create an effectively hydraulic seal.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

# State of New Mexico Hnergy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

II AREA

# OIL CONSERVATION DIVISION

P.O. Box 2088

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

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

Santa Fe, New Mexico 87504-2088

EXHIBIT NO. 3 Page | 130ff 82

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

	.,,	All Di	stances must be	TOTI THE	buter boundaries of	RIG RECTION	<u> </u>	
Operator	1 7 P	. Cammana 4:		Leano	D	. 1		Well No.
Mitch	err ruerg	y Corporati	on		Rosa Un	17		326
Juit Letter L	Section 25	Township	31 North	Range	5 West	NMP	County	Rio Arriba
Actual Footage Loc	ation of Well:							
1570	feet from the	South	line and		1270	feet fro	m the	West line
Fround level Elev.	Prod	ucing Formation		Fool				Dedicated Acreage:
6446	F	ruitland			Basin Fruit	tland Coa	a.1	320 Acres
1. Outlin	e the acreage dedi	cated to the subject w	ell by colored per	ocil or had	sire marks on the pla	t below.		
2. If more unitized in the second in the sec	than one lease in the than one lease of the	s dedicated to the well of different ownership g, etc.? No If where and tract descri	I, outline each and Is dedicated to the answer is "yes" ty ptions which have all interests have be	Henrify the well, have pe of consumer actually become	e the interest of all or olidation een consolidated. (U	Choth as to wo	nsolidated b	
or until 1	noe-mandard uni	L eliminating sich in	reen, has been ap	proved by	l l		1 1	ERATOR CERTIFICATION  hereby certify that the information
								d herein in true and complete to the y knowledge and belief.
	İ	`			 		OM Printed N	as a Cluderson
							Position Dis Company	Mes C. Andorson t. Prod. Mgr.
	   	Section \	25	R	EGE 1 199	ED	Date SU	To 9,  RVEYOR CERTIFICATION
	     	`		Oll	CON. D	)\\	on this octual supervis	y certify that the well location show plat was plotted from field notes of surveys made by me or under n ton, and that the same is true ar to the best of my knowledge ar
12	70 <b>'</b> 						Z.	alversed 1. MK, 1
15	70'							11225 PROFESSIONAL SALE
			<b></b>	<del> </del>			Certific	PROFESSIONAL 11225
0 330 660	990 1320	1650 1980 2310	2640	2000	1500 1000	 500 0	Ric	chard L. Sinkiewicz .

