30-039-24857

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. Type of Work Lease Number DRILL SF-078891 6. If Indian, Name of Tribe or Allottee a Manager 1b Type of Well OAS 2. Operator tor fixer & Parsley Peo. Co.
Everyreen Operating Corporation 7. Unit Agreement Name **ROSA UNIT** 3. Address & Phone No. of Operator 8. Farm or Lease Name **3A. R. KENDRICK ROSA UNIT** BOX 516, AZTEC, NM 87410 9. Well Number (505) 334-2555 285 4. Location of Well 10. Field, Pool, or Wildcat BASIN-FRUITLAND COAL GAS POOL 1670 300 11. Section, Township, & Range, Meridian, or Block (Unit H) 1510' FNL 875' FEL // 3-31N-4W 14. Distance in Miles from Nearest Town 12. County 13. State 13 MILES WEST OF DULCE, NM **RIO ARRIBA NEW MEXICO** 15. Distance from 16. Acres in Lease 17. Acres Assigned to Well Proposed Location To Nearest Property 1510 1965.72 Acres E-326.52 Acres Line or Lease Line. 18. Distance From 19. Proposed Depth 20. Rotary or Cable Tools Proposed Location To Nearest Well Dr. 3479 4410' ROTARY Compl., Or Applied For On Lease. 21. Elevations (DF, RT, GR, Etc.) 22. Approximate Date Work Will Start. 7/65 7202 OR As soon as Possible. 23. Proposed Casing and Cementing Program This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. Exhibits attached as follows: "A" Location and Elevation Plat "F" Drill Rig Layout "B" Ten-Point Compliance Program "6" Completion Rig Layout "C" Blowout Preventer Schematic "H" Location Profile **AUG 0 8 1990** "D" Multi-Point Requirements for APD "I" Production Facility Schematic "E" Vicintity Map - Access Roads 24. Signed (1) oudsille Title Date _____Approval Date Permit No. Approved By _____Title

NOTE: THIS FORMAT IS ISSUED IN LIEU OF U.S. BLM FORM 3

ORGENIA ORGENIA VIC. MOD SIO

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-29

<u>DISTRICT |</u>
P.O. Bux 1980, Hubbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

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

DISTRICT III 1000 Rio Brillos Rd., Artec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

Evergreen Operating Corporation Rosa Unit	A			All Dis	ances must b	e from the out	of the aerustanuod re	section		-	
Dealer Section 3 Investigation of Well: 1070	Operator					Lease				TWarn	<u> </u>
In Leaser Section 5 Township 4 West North Ric Arrive Rich Rich Rich Rich Rich Rich Rich Rich		green O	perating (Corporation		R	osa Unit			in the second	myseryces.
Aug of 8 1990 Section 3 ** North	Unit Letter										285
Note of Design of Well: 1670 See from the North Instead of Prod Prod	i н		3	, -	North				County	, ex.	n 1
1670 feet from the North hite and 300 feet from the East three frounds or Producing Formation Producing Fo	Actual Forese L	2.44.20		<u> </u>	NOTER	4	West	NMP	м	Rio Ar	riba
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7165 Fruitland Coal Basin Fruitland Coal Decision Arrange: 326.52 Acres 1. Outher the acreage decident of the subject will by colored pecif or hadour marks up the below. 2. If more than one lease of different conversing is decicated to the well, outline each acid identify the ownership thereof (both as to werating interest and tryping). 3. If more than one lease of different conversing is decicated to the well, have the interest of all owners been consolidated by communication, intercepting each? Yes Yes No If server is "yes" type of consolidations the form of moderatory. No allowable will be assigned to the well until interests has been approved by the Division. OPERATOR CERTIFICATION I have yet saying that the information of the service of which have a consolidated to the province of the provin		1001 1			line and		300	fact face		Fact .	
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FROM THE CANAL SEE MEANAGE

Evergreen Operating Corporation Rosa Unit #285

1510' FNL 875' FEL Sec. 3-31N-4W Rio Arriba County, NM Elev: 7202' GR Lesse No. SF-078891

- THE GEOLOGICAL SURFACE FORMATION IS: Nacimiento.
- THE ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS: 2.

Ojo Alamo	3492'
Kirtland	3607
Fruitland	3962'
Fruitland Coal	4062
Pictured Cliffs	4152°
Total Depth	4410'

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

<u>SUBSTANCE</u>	<u>FORMATION</u>	ANTICIPATED DEPTH
6AS	Fruitland Coal	4062'

4. THE PROPOSED CASING PROGRAM WILL BE AS FOLLOWS:

<u>DEPTH</u>	HOLE SIZE	<u>0.D.</u>	WEIGHT	GRADE	TYPE	NEW/USED
	12-1/4" 7-7/8"		36 15.5	K-55 K-55	ST&C ST&C	NEW NEW

THE PROPOSED CEMENT PROGRAM WILL BE AS FOLLOWS:

Surface:

190 Sx Class B w/1/4# Flocele/Sx plus 2% CaCl.

Production: 475 Sx Class B w/2% Calcium Chloride and 0.5 cubic feet per sack perlite followed by 215 Sx Class B 50/50 poz w/2% gel, 0.4% NaCl and 1/4 pound/sack Flocele,

possibly in two stages with the stage collar 200 to 300 feet above the coal.

Note:

Sufficient cement volume to cover casing bottom to top to be determined after

logging.

OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Exhibit C is a schematic of the blowout preventer used by a local contractor for other wells in the area. The BOPs are to be test-operated before drilling out from under the surface casing, and operation checks will be made daily thereafter and recorded in the Daily Drilling Report. Accessories to BOP will include floor safety valve and choke manifold with pressure rating equivalent to the BOP stack.

Evergreen Operating Corporation Rosa Unit #285

1510' FNL 875' FEL Sec. 3-31N-4W Rio Arriba County, NM Elev: 7202' GR Lease No. SF-078891

6. THE TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS:

SURFACE CASING: Spun floculating bentonite with lime. PRODUCTION CASING: Low solids non-disbursing system.

INTERVAL	MUD WEIGHT	<u>YISCOSITY</u>	FLUID LOSS	<u>рН</u>	<u>ADDITIVES</u>
0-350'	9.0	45		9	Gel, Lime
350-TD	8.6 to 9.2	30-50	<15 ∞		Chemicals as needed

7. AUXILIARY EQUIPMENT TO BE USED IS AS FOLLOWS:

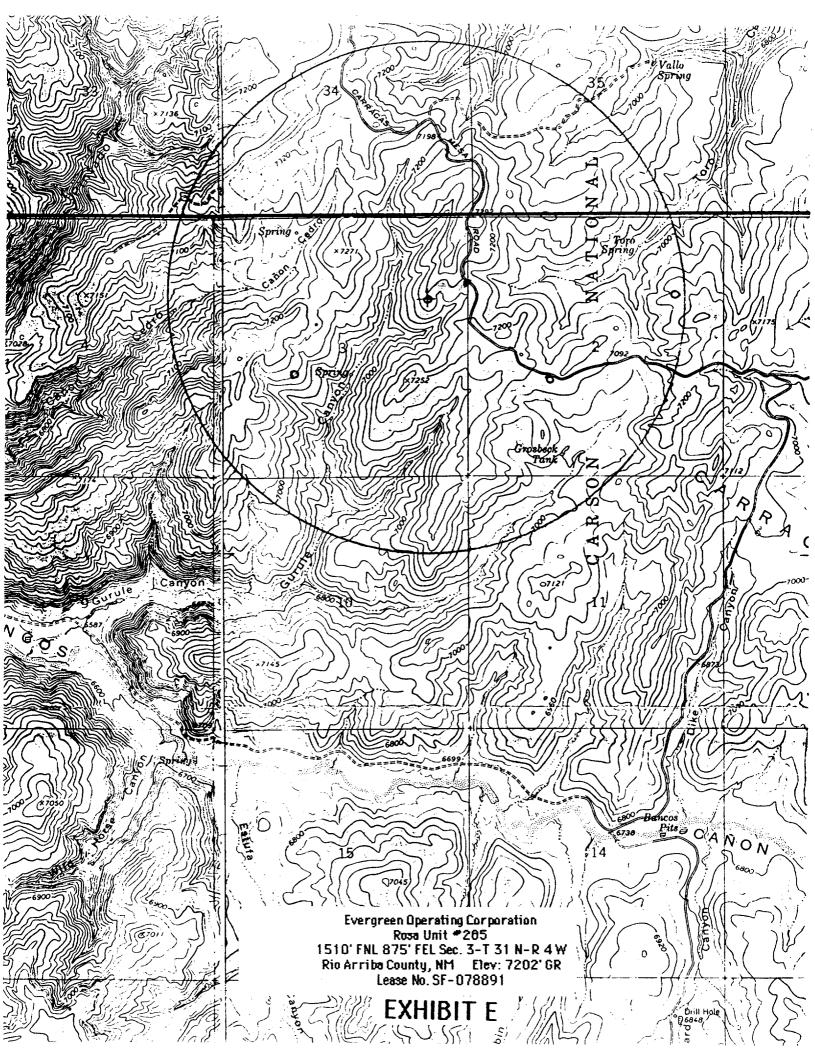
- Float valve above bit.
- b. Monitoring of mud system will be visual.
- c. A safety valve and subs to fit all drill strings will be used.
- 8. TESTING, LOGGING, AND CORING WILL BE AS FOLLOWS:
 - Cores: none.
 - b. Drill stem tests: none anticipated.
 - Logging: IEC from 0' to TD. Micro Log and CNL/FDC over potential pay zones.
 A mud logging unit will be utilized.

9. ANTICIPATED ABNORMAL PRESSURES AND TEMPERATURES:

No abnormal pressures, temperatures or Hydrogen Sulfide gases are anticipated during the drilling of this well. The maximum bottom hole pressure is expected to be less than 1500 psi.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The anticipated starting date is set for as soon as possible after the approval of the Application for Permit to Drill is approved. The operations should be completed within 15 days after spud date.



43.27 43.25 80.52 1 86.52 240.00 326.52 326.52

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STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

June 21, 1990

Evergreen Operating Corp. c/o A.R. Kendrick Box 516 Aztec, NM 87410-0516

Administrative Order NSL-2813

Dear Mr. Kendrick:

Reference is made to your application dated May 24, 1990 for a non-standard coal gas well location for the Rosa Unit Well No. 285 to be located 1670 feet from the North line and 300 feet from the East line (Unit H) of Section 3, Township 31 North, Range 4 West, NMPM, Basin Fruitland Coal (Gas) Pool, Rio Arriba County, New Mexico. Lots 1 and 2, the NE/4 and SE/4 of said Section 3 shall be dedicated to the well forming a standard 326.52-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of Rule 8 of the Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool as promulgated by Division Order No. R-8768, the above-described unorthodox coal gas well location is hereby approved.

Sincerely,

William J. LeMay

Director

cc:

WJL/MES/ag

Oil Conservation Division - Aztec

US Bureau of Land Management - Farmington

US Forest Service - Blanco

DEBEIVE D JUN2 6 1990 OIL CON. DIV DIST. 3



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

ARREY CARRUTHERS
GOVERNOR

1000 FIO BRAZOS FOAD AZTEC, NEW MEXICO 87410 (505) 334-6178

Date: 5-36-76
Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088
Re: Proposed MC Proposed DHC Proposed NSL Proposed SWD Proposed WFX Proposed PMX
Gentlemen:
I have examined the application dated 5-25-26
for the ENERGEEN OFFRATING CORP. BY SA UNIT # 285 Operator Lease & Well No.
14-3-312-400 and my recommendations are as follows:
Apprine
Yours truly,
Jui Bush

A. R. KENDRICK

BOX 516 • AZTEC, NEW MEXICO 87410 • (505) 334-2555

May 24, 1990

Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

MAY2 5 1990 OIL CON. DIV

Re: Application for Non-Standard Location
Evergreen Operating Corporation
Rosa Unit #285
1670' FNL 300' FEL Sec. 3-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

Gentlemen:

We, on behalf of Evergreen Operating Corporation, hereby make application for approval of the location of the Rosa Unit #285 well to be located 1668' FNL 301' FEL of Section 3, Township 31 North, Range 4 West, Basin Fruitland Coal Gas Pool, Rio Arriba County, New Mexico.

The reason for the non-standard location is due to topography and to protect wildlife habitat.

We attempted to place the location on the ridge to the west at a standard location, but the Forest Service objected due to the need for "scalping" the hill.

This is the only usable location within the northeast quarter of Section 3.

The attached exhibits show the situation at the location and surrounding area.

All offset operators and lease owners are being notified by certified mail at this mailing. The Return Receipt Cards will be provided when they are returned.

It is my belief that the information contained in this application is true and correct according to the information available to me.

If further information is needed, please contact me.

Leudrick

Yours very truly,

A. R. Kendrick

Enclosures

Exhibits for Application for Non-Standard Location

Evergreen Operating Corporation
Rosa Unit #285
1670' FNL 300' FEL, Sec. 3-T31N-R4W
Basin Fruitland Coal Gas Pool
Rio Arriba County, New Mexico

The following exhibits are enclosed:

- EXHIBIT A Form C-102, Well Location and Acreage Dedication Plat: shows the location of the well with respect to the section lines, the dedicated acreage, and the proration unit.
- EXHIBIT B Enlarged copy of Topographic Map: shows the location to be on a bench of a steep hillside. (Notice that the Contour Interval is 40 feet.) The location is situated to avoid excessive cutting into the top of the ridge to the west. The terrain falls off rapidly to the south and west from the location which prevents moving further west. There is no other viable location within the northeast quarter.
- EXHIBIT C Ownership and Offset Well Location Plat: shows the location of the Rosa Unit #285 relative to the locations of the #284 in the southwest quarter of Section 3 and the #282 in the southwest quarter of Section 2.

The distance between wells within Section 3, being 3972 feet, and between the #285 and the #282 wells, being 2658 feet, are well within the tolerances of standard well spacings as set out in the pool rules by Order R-8768 and shown on Exhibit E.

The ownership and offset wells are also shown on this exhibit.

- EXHIBIT D Location Windows Plat showing distances between points: shows the distances between wells in standard spacing situations with 1601.25 feet being the minimum and 5232.59 feet maximum for wells on adjacent drill tracts.
- EXHIBIT E Location Windows Plat with wells spotted: shows the "windows" for standard locations as provided by Order R-8768 with the #285 and #284 wells spotted in their approximate positions.
- EXHIBIT F Copy of Application for Permit to Drill: shows the Application for Permit to Drill.
- EXHIBIT 6 List of names and addresses of offset owners and other interested parties.

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

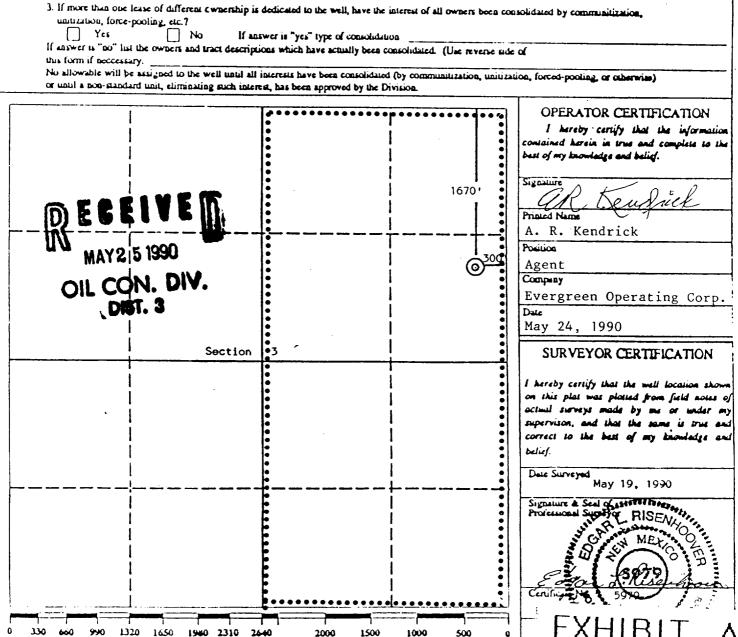
OIL CONSERVATION DIVISION

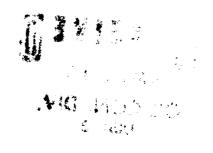
P.O. Box 2088 Santa Fe, New Mexico 87504-2088

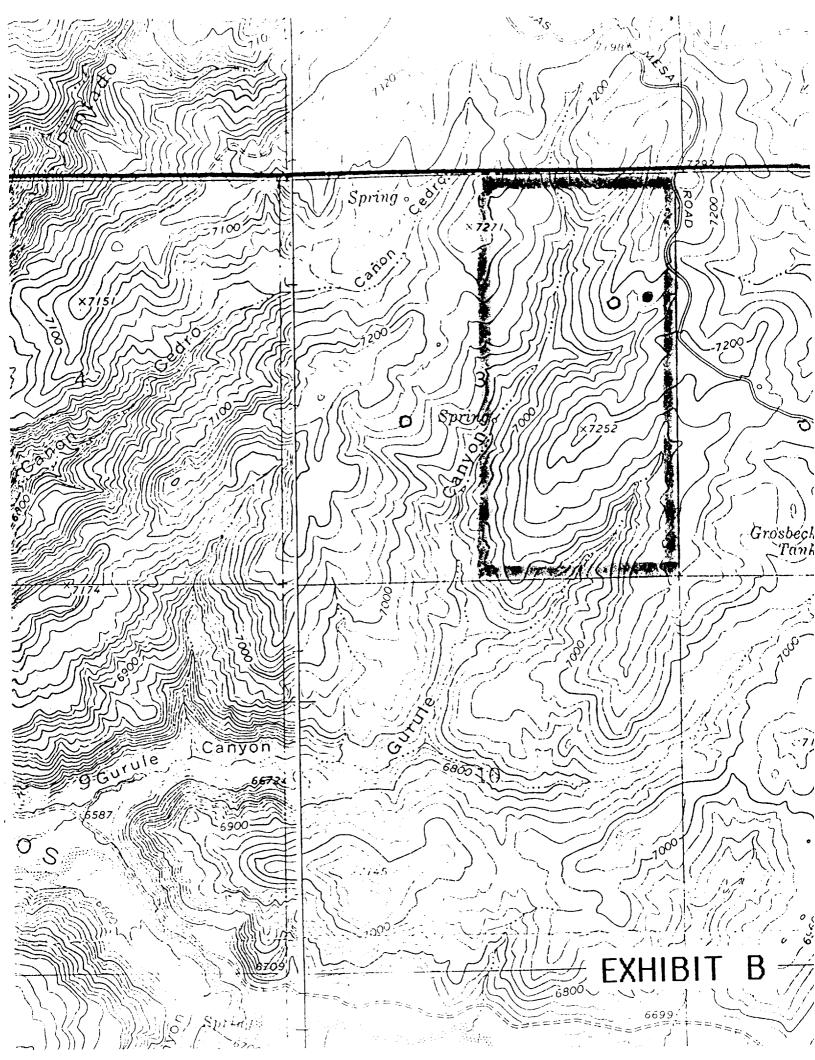
P.O. Drawer DD, Artesia, NM 88210

P.O. But 1980, Hobbs, NM 88240

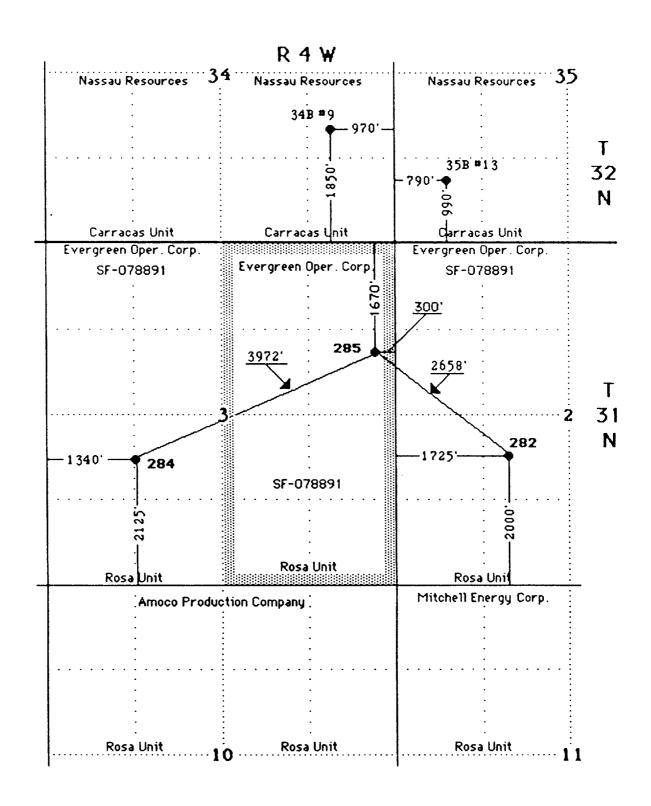
WELL LOCATION AND ACREAGE DEDICATION PLAT 1000 Rio Brazos Rd., Aziec, NM 87410 All Distances must be from the outer boundaries of the section Evergreen Operating Corporation Rosa Unit 285 Unu Letter Section Range Township County 31 North 4 West Rio Arriba **NMPM** Actual Funcing Location of Well: North 300 leet from the line and feet from the East line Cround level Eles. Producing Formation Dedicated Acreage: 7165 Fruitland Coal Basin Fruitland Coal 1. Outline the acreage dedicated to the subject well by colored pencil or hathure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different consership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? Yes If answer is "yes" type of consolidation If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION best of my browledge and belief. Signature



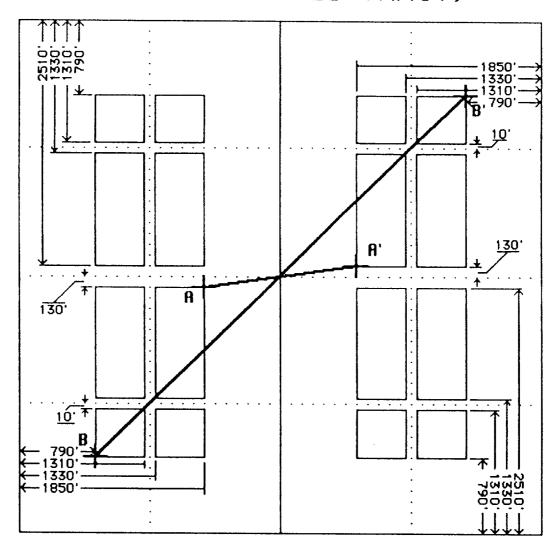




Non-Standard Location for Rosa Unit #285 1670' FNL 300' FEL Section 3-T31N-R4₩ Basin Fruitland Coal Gas Pool



STANDARD LOCATION WINDOWS FRUITLAND COAL WELL (320-ACRE DRILL TRACT)

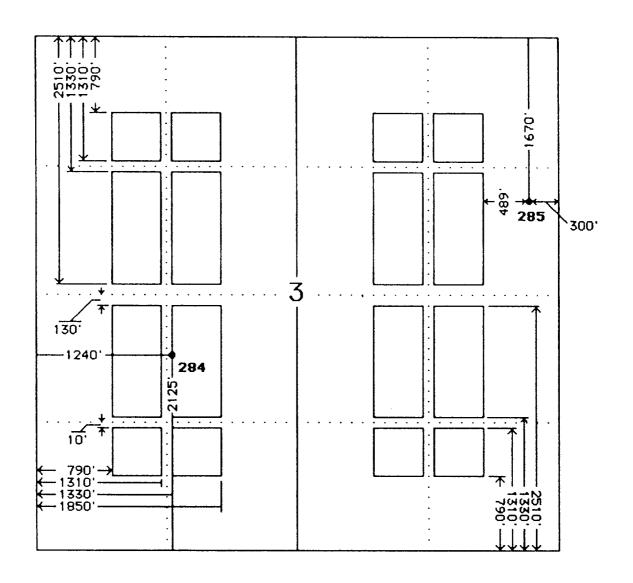


DISTANCES BETWEEN POINTS:

Minimum: A - A' = 1601.25'

Maximum: B - B' = 5232.59'

Non-Standard Location for Rosa Unit #285 1670' FNL 300' FEL Section 3-T31N-R4₩ Basin Fruitland Coal Gas Pool



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FO	R PERMIT TO	DRILL, DEEPEN	L OR PLUC	BACK		
1a. Type of Work		5. Lease Number				
DRILL		SF-078891				
1b Type of Well		6. If Indian, Name of Tribe or Allottee				
GAS						
2. Operator		7. Unit Agreement	Name			
Evergreen Operating Corpor	ation		ROSA	UNIT		
3. Address & Phone No. of Operator		8. Farm or Lease Name				
%A. R. KENDRICK		ROSA UNIT				
BOX 516, AZTEC, NM 874	10	9. Well Number				
(505) 334-2555			28	5		
4. Location of Well		10. Field, Pool, or				
		BASIN-F	RUITLAND	COAL BAS POOL		
				ge, Meridian, or Block		
(Unit H) 1510' FNL 875'	FEL	<u></u>	3-31N			
14. Distance in Miles from Nearest Town		12. County 13. State				
13 MILES WEST OF DULCE,	NM	RIO ARR	IBA	NEW MEXICO		
15. Distance from	16. Acr	es in Lease	17. A	cres Assigned to Well		
Proposed Location						
To Nearest Property 1510.	1965.	72 Acres E-326.52 A		-326.52 Acres		
Line or Lease Line.						
18. Distance From	19. Pro	posed Depth 20. Rotary or Cable Tools				
Proposed Location						
To Nearest Well Dr, 3479'	4.	410'	-	ROTARY		
Compl., Or Applied						
For On Lease.						
21. Elevations (DF, RT, GR, Et	c.)	22. Approximate Date Work Will Start.				
7202' 6R		^	s soon as	Possible.		
23. Proposed Casing and Cementing Program						
Evhibite etteched as £-11						
Exhibits attached as follows:						
"A" Location and Elevation Plat		"F" Drill Rig Layout				
"B" Ten-Point Compliance Pro	-	"G" Completion Rig Layout				
"C" Blowout Preventer Schema		"H" Location Profile				
"D" Multi-Point Requirements		"I" Production Facility Schematic				
"E" Yicintity Map - Access Roads						
24. Signed CR Sendicile	Agent	Da	te <u>4-9-90</u>			
Permit No.		Approval Date				
Approved By	Title		Da	te		

NOTE: THIS FORMAT IS ISSUED IN LIEU OF U.S. BLM FORM 3160-3.

NAMES AND ADDRESSES OF OFFSET OWNERS AND INTERESTED PARTIES

Application for Non-Standard Location Evergreen Operating Corporation Rosa Unit #285 1668' FNL 301' FEL 1-T31N-R4W Basin Fruitland Coal Gas Pool Rio Arriba County, New Mexico

Amoco Production Company • P. O. Box 800
Denver, Colorado 80201

Mitchell Energy Corporation •
Suite 3500
555 17th Street
Denver, Colorado 80202

Nassau Resources, Inc. ●
P. O. Box 809
Farmington, New Mexico 87499-0809

U. S. Forest Service
Jicarilla Ranger District
Oobernador Route
Blanco, New Mexico 87412

Bureau of Land Management 1235 La Plata Highway Farmington, New Mexico 87401

011 Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

Notified by certified mail Return Receipt.