

#### STATE OF NEW MEXICO

### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



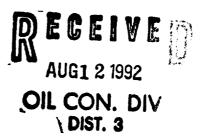
BRUCE KING GOVERNOR

ANITA LOCKWOOD CABINET SECRETARY

July 28, 1992

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

Evergreen Operating Corporation c/o A.R. Kendrick P.O. Box 516 Aztec, New Mexico 87410



Administrative Order NSL-3134

Dear Mr. Kendrick:

Reference is made to your application dated July 3, 1992 on behalf of the operator, Evergreen Operating Corporation, for a non-standard coal gas well location for the Rosa Unit Well No. 298 to be located 850 feet from the South line and 790 feet from the East line (Unit P) of Section 14, Township 31 North, Range 4 West, NMPM, Basin Fruitland Coal (Gas) Pool, Rio Arriba County, New Mexico. The S/2 of said Section 14 shall be dedicated to the well forming a standard 320-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, as amended, the above-described unorthodox coal gas well location is hereby approved.

Sincerely,

WILLIAM J. LEMA

Director

WJL/MES/jc

cc: Oil Conservation Division - Aztec

U.S. BLM - Farmington

U.S. - Forest Service - Blanco



### STATE OF NEW MEXICO

# ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

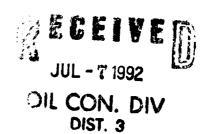
Dat	e: 8-5.95	attn: Mily Stogner
P.O	Conservation Division Box 2088 ta Fe, NM 87504-2088	
RE:	Proposed MC Proposed NSL Proposed WFX Proposed NSP	Proposed DHC Proposed SWD Proposed PMX Proposed DD
Gent	clemen:	
for  O  UL-S		ation received on 7-7-93-  Afring And Multi-298  LEASE & WELL NO.  and my recommendations are as follows:
Your	s truly,	

# A. R. KENDRICK

P.O. BOX 516 • AZTEC, NEW MEXICO 87410 • (505) 334-2555 July 3, 1992

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

Re: Application for Non-Standard Location
Evergreen Operating Corporation
Rosa Unit #298
850' FSL 790' FEL Sec. 14-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 #298 well to be located 850'FSL 790'FEL of Section 14 Township 31 North, Range 4 West, Basin Fruitland Coal Gas Pool, Rio Arriba County, New Mexico.

The reason for the non-standard location is because of topography and at the request of the U.S. Forest Service to avoid further damage to the environment and wildlife habitat.

We believe that directional drilling should not be required because a beam pump and rods may be required to lift water from the wellbore to sustain production.

The distances between wells is within the footage parameters required by Order R-8759.

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

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

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.

If further information is needed, please contact us.

Yours very truly,

A. R. Kendriçk

Enclosures

xc: Offset owners and interested parties as listed on Exhibit  $\theta$ 

# Exhibits for Application for Non-Standard Location

### Evergreen Operating Corporation Rosa Unit #298

850' FSL 790' FEL Sec. 14-T31N-R4W Basin Fruitland Coal Gas Pool Rio Arriba County, New Mexico

The following exhibits are enclosed	The fol	lowing	exhibits	are	enclosed
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EXHIBIT A	Form C-102, Well Location and Acreage Dedication Plat, showing the location of the well with respect to the section lines, the dedicated acreage, and the proration unit.
EXHIBIT B	Copy of Topographic Map showing the location. (Notice that the Contour Interval is 40 feet.)
EXHIBIT C	Ownership and Offset Well Location Plat showing the location and ownership and offset wells.
EXHIBIT D	Location Windows Plat showing the "windows" for standard locations as provided by Order R-8768 with the #293 and #294 wells spotted in their approximate locations.
EXHIBIT E	Copy of Application for Permit to Drill.
EXHIBIT F	On-Site Inspection report showing the findings of the On-Site Inspection.

EXHIBIT 0 List of names and addresses of offset owners and other interested parties.

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

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

Form C-102 Revised 1-1-89

<u>DISTRICT I</u> P.O. Box 1980, Hobba, NM 88240 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

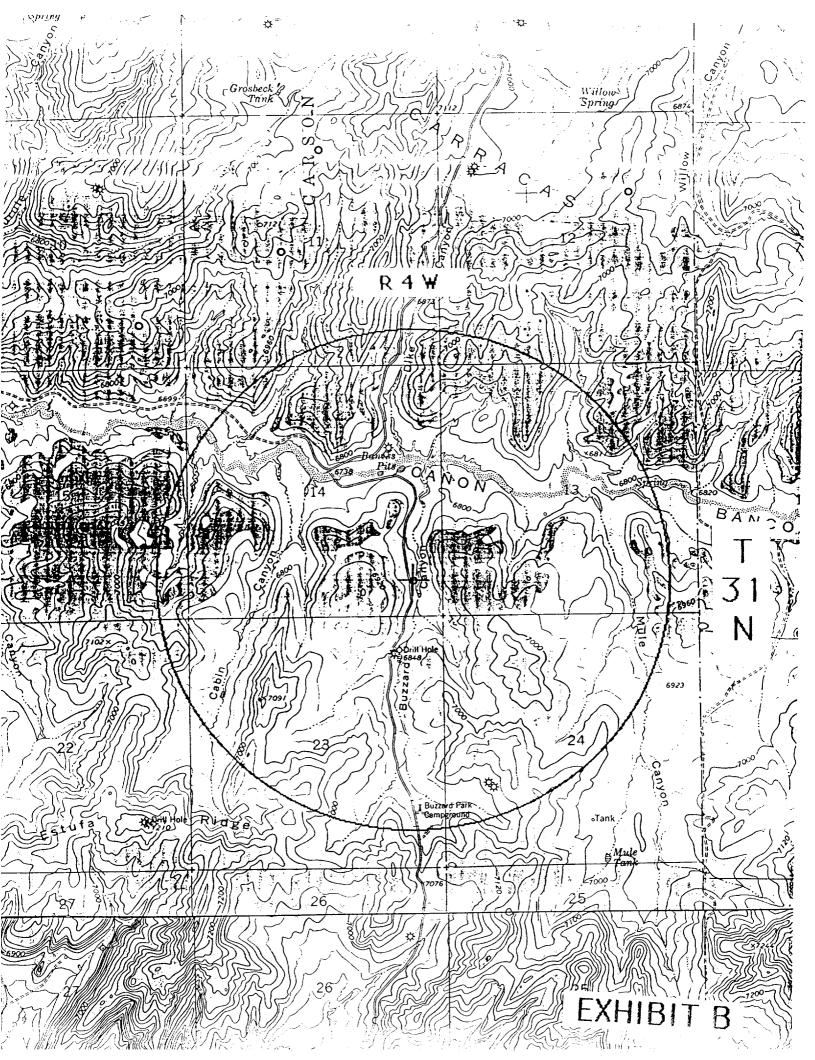
DISTRICT II P.O. Drawer DD, Artesia, NM 88210

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

### WELL LOCATION AND ACREAGE DEDICATION PLAT

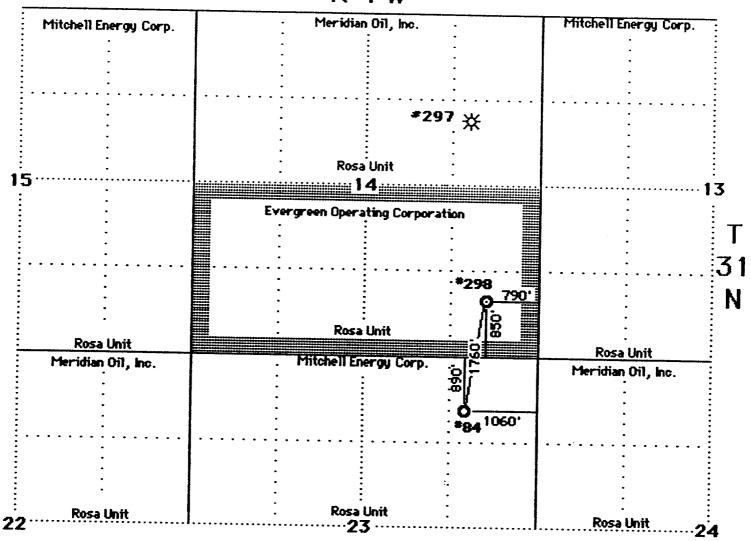
All Distances must be from the outer boundaries of the section

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Everg	reen	Operating	Corporation	า	Ro	sa Unit				298
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round level Elev.		i e	ing Formation		Pool				Dedicated A	creage:
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1. Outli	ne the ac	reage dedical	ed to the subject v	well by colored pe	ocil or hachure	marks on the plat	below.		•	
2. If mo	ore than	one lease is de	edicated to the we	ll, ouline each an	d identify the o	wnership thereof (	both as to worki	ing interest and	royalty).	
3. If mo unitiz	re than o	one lease of di ree-pooling, e	ifferent ownership	is dedicated to th	e well, have the	interest of all ow	ners been conso	lidated by com	nunitization,	
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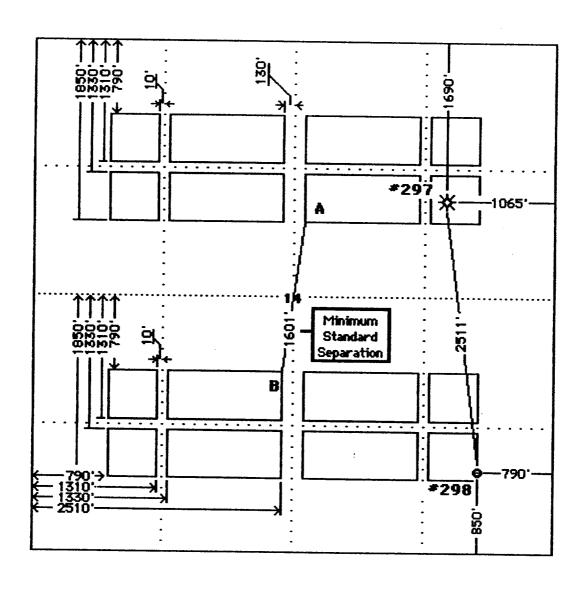
# Non-Standard Location for Rosa Unit #298 850' FSL 790' FEL, P-14-T31N-R4W Basin Fruitland Coal Gas Pool

### **R4W**



# **WINDOWS PLAT**

# Non-Standard Location for Rosa Unit #298 850' FSL 790' FEL, P-14-T31N-54W Basin Fruitland Coal Gas Pool



## **UNITED STATES** DEPARTMENT OF THE INTERIOR

<b>BUREAU OF</b>	LAND	MANA	GEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK							
1a. Type of Work		5. Lease Number					
DRILL			SF-078	3892			
1b Type of Well	6. If Indian, Name						
GAS							
2. Operator		7. Unit Agreement	t Name	<u> </u>			
Evergreen Operating Cor	p.		ROSA (	JNIT			
3. Address & Phone No. of Operator		8. Farm or Lease			· · · · · · · · · · · · · · · · · · ·		
<b>%A.</b> R. KENDRICK		<u></u>	ROSA L	INIT			
BOX 516, AZTEC, NM 874	10	9. Well Number					
(505) 334-2555			298	3			
4. Location of Well		10. Field, Pool, or					
			FRUITLAND	COAL BA	S P001		
		11. Section, Town					
(Unit P) 850' FSL 790'	FEL	•	14-31		.,		
14. Distance in Miles from Nearest Town		12. County		13. State			
18 MILES WEST OF DULCE,	NM	RIO ARR	IBA .		MEXICO		
15. Distance from	16. Acr	es in Lease	17. A		ed to Well		
Proposed Location							
To Nearest Property 790°	192	0 Acres S-320			)		
Line or Lease Line.							
18. Distance From	19. Pro	posed Depth 20. Rotary or Cable Tools					
Proposed Location		, , , , , , , , , , , , , , , , , , , ,					
To Nearest Well Dr, 2511°	39	995' ROTARY			Y		
Compl., Or Applied							
For On Lease.							
21. Elevations (DF, RT, GR, Et	c.)	22. Appr	oximate Date	Work Wil	1 Start.		
6834' GR		Si	ummer to f	B]] 1992			
23. Proposed Casing and Cementing Program	m:						
Exhibits attached as follows:							
"A" Location and Elevation		"F" Location	Profile				
"B" Vicintity Map - Acces		"0" Drill Rig	<b>Layout</b>				
"C" Ten-Point Compliance	Program	"H" Completi	on Rig Lay	out			
"D" Multi-Point Requirements for APD "I" Production Facility Schematic							
"E" Blowout Preventer Sc	<u>hematic</u>						
24. Signed lek Leudrick	Agent	Date	JUL	3 1992			
Permit No.		Annroval Date					
				···			
Approved By	Title	•	Date	3	*****		
	*		· · · · · · · · · · · · · · · · · · ·				

### ON-SITE FIELD INSPECTION

### Evergreen Operating Corporation Rosa Unit #298

850' FSL 790' FEL Sec. 14-T31N-R4W Basin Fruitland Coal Gas Pool Rio Arriba County, New Mexico

During our On-Site Inspection, we found the following to exist:

- The location is within the Carson National Forest.
- The terrain in the area is severe.
- The location was staked according to the instructions we received earlier from the US Forest Service with respect to avoiding unnecessary road construction, excessive cuts and fills, excessive timber removal, and other ecological damage.
- The location does not crowd any drill tract inside or outside of Section 14 according to the footage requirements in Order R-8768.
- The location is satisfactory to the Forest Service.

# OTHER INTERESTED PARTIES

### Evergreen Operating Corporation Rosa Unit #298

850' FSL 790' FEL Sec. 14-T31N-R4W Basin Fruitland Coal Gas Pool Rio Arriba County, New Mexico

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

Meridian Oil, Inc. ●
P.O. Box 4289
Farmington, New Mexico 87499-4289

Mitchell Energy Corporation • 2001 Timberlock Place
The Woodlands, Texas 77380

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

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

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

Notified by certified mail Return Receipt.

UNITED STA	TES	,				
DEPARTMENT OF I	NTERIOR	5. Lease Designation and Serial No.				
BUREAU OF LAND MA	NAGEMENT	SF-078892				
SUNDRY NOTICES AND RE	PORTS ON WELLS	6. If Indian, Allottee or T	ribe Name.			
(Do not use this form for pro	posals to drill or to					
deepen or plug back to a dif	liferent reservoir.	7. If Unit or CA, Agreem	ent Designation.			
<u>Use Form 3160-3 for s</u>	uch proposals.)	,	·			
1. Oil well [ ] Gas Well [ X ] Othe	or[]	R	OSA UNIT			
Gas Well		8. Well Name and No.				
2. Name of Operator		ROSA	NUNIT #298			
Evergreen Operating	Corporation	9. API Well No.				
3. Address & Telephone No. (505	334-2555	30-	039-25213			
c/o A. R. Kendrick, Box 516	5, Aztec, NM 87410	10. Field and Pool, or Expl	oration Area			
4. Location of Well (Footage & S.T.I			itland Coal Gas Pool			
1305' FSL 20	40' FWL	11. County or Parish, Stal	te			
N-14-31	N - 4W	•	iba, New Mexico			
12 CHECK APPROPRIATE BOX(s	) TO INDICATE NATURE O					
[ • ] Notice of Intent	[ ] Abandonment		Change Plans			
	[ ] Recompletion		] New Construction			
[ ] Subsequent Report	[ ] Plugging Back	[	Non-Routine Fracturing			
	[ ] Casing Repair		] Water Shut-Off			
[ ] Final Abandonment Notice	[ ] Altering Casing	Ī.	Conversion to Injection			
	[•] Other		<u>~</u>			
Move the well location from 8: See attached plat.	50' FSL 790' FEL to:	1305' FSL 2040' FW	/L of section 14.			
NOTE: This format is issued in lieu of 14.1 hereby certify that the foregoin		APPROV FEB 11, 199 AREA MANA				
Signed (IK) Denil	MileTitle	Agent	Date10/2/92			
Approved by	Title		Date			
Conditions of approval, if any:						

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

State of New Mexico Energy, Minerals and Natural Resources Department

### **OIL CONSERVATION DIVISION**

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

Form C-102

Form C-102

Form C-102

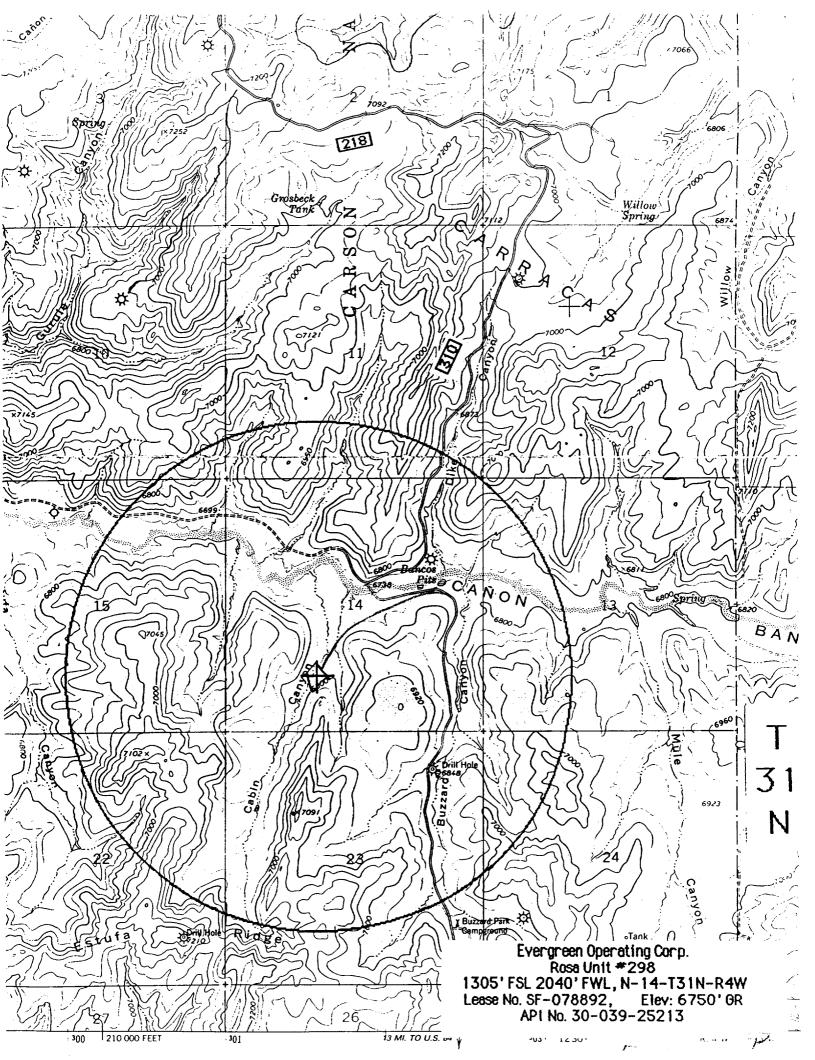
Revised 1-1-89

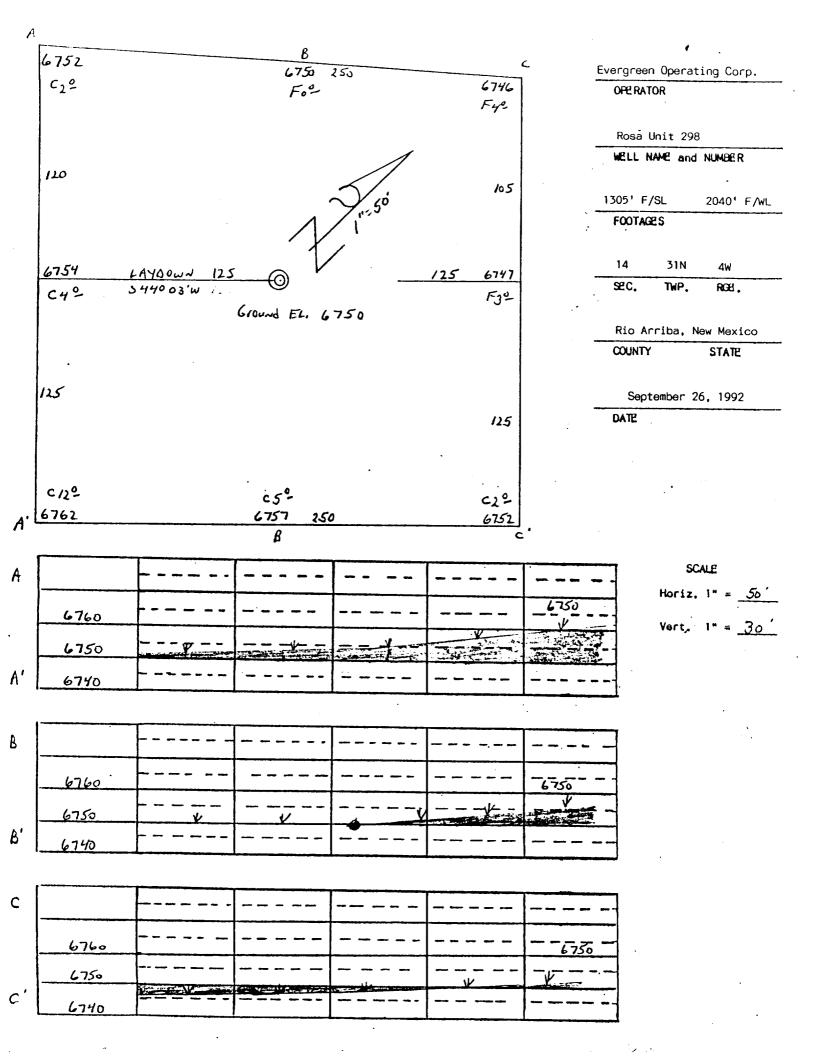
DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

DISTRICT III 1000 Rio Brazos Rd., Azioc, NM 87410	 WELL LOCATION AND ACREAGE DEDICATION PLAT
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Operator			<del></del>		Leaso			·····	Wall No.	
Evergreen Operating Corporation					Rosa	Unit	•		298	
Unit Lotter	Sectio	14	Township 31	North	Range 4 Wes	st	AD 40	County	Arriba .	
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Ground level Elev.		Producin	g Formation		Pool	····	1950 119		Dedicated Acreage:	
6750 Es	t.	Fruitle	nd Coal		Basin A	ruitlar	nd Coal		320 Acr	
I. Outlin	se the acr	vage dedicated	to the subject well	by colored per	cil or bachure s	narks on the p	lat below.	•		
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		SF-	078892					on this plat we actual surveys supervison, and correct to the belief.	that the well location as plotted from field made by me or u that the same is best of my knowle	notes of nder my true and
2040	•		1305'					Certificati No.	RISENA MEL 1/0000 5979 Risenhoover	i
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# Evergreen Operating Corp. Rosa Unit #298

1305' FSL 2040' FWL Sec. 14 - T 31 N - R 4 W Elev: 6750' GR Lease No. **SF-078892** 

### 1. EXISTING ROADS:

- a. See Exhibit A for well site and elevation plat, Form C-102.
- b. Directions: turn north off U.S. 64 one quarter mile west of the east boundary of the Carson National Forest onto Road 310 for approximately 17 miles to the south edge of Bancos Canyon. The well pad is in Cabin Canyon, one—half mile south of Bancos Canyon.
- d. All existing roads are shown on Exhibit B
- e. This is a development well.
- f. All existing and newly constructed roads will be maintained in the same or better condition.

### 2. PLANNED ACCESS ROAD:

- a. The access road is approximately 3,000 feet in length as shown on Exhibit B.
- b. The grade will be 10% or less.
- c. No turnouts are planned.
- Any necessary water bars will be installed.
- culverts will be installed as necessary. No major cuts and fills are planned.
- f. Only native materials will be used.
- g. Gates or cattleguards will be installed only where necessary.
- h. New access roads and existing roads will be flat bladed and/or upgraded as deemed necessary by the dirt contractor.

### LOCATION OF EXISTING WELLS WITHIN ONE MILE: See EXHIBIT B.

- a. Water wells: none.
- b. Abandoned wells: one.
- c. Temporarily abandoned wells: none.
- d. Disposal wells: none.
- e. Drilling wells: none.
- f. Producing wells: none.
- g. Shut-in wells: three.
- h. Injection wells: none.
- Monitoring wells: none.

# Evergreen Operating Corp. Rosa Unit #298

1305' FSL 2040' FWL Sec. 14 - T 31 N - R 4 W Elev: 6750' GR Lease No. **SF-078892** 

### 4. LOCATION OF PRODUCING FACILITIES:

- a. There are no production facilities owned or controlled by Operator within one mile of the proposed well. However, additional wells are proposed at this time.
- b. New facilities contemplated in the event of production are shown on Exhibit I.
  - 1. A tank battery will be required.
  - 2. All flow lines from the well site to battery will be buried below frost line depth.
  - 3. Dimensions of the facility will be approximately 250' by 250'.
  - Native materials will be used except for gravel.
  - 5. An earthen dike will be built around the tank battery. All production facilities will be fenced to keep domestic and wild animals out.
  - The reserve pit will be fenced, top-screened and allowed to dry. Rehabilitation whether
    the well is dry or productive will be made on all unused areas in accordance with BLM
    and/or Forest Service stipulations.

### 5. LOCATION AND TYPE OF WATER SUPPLY:

- Water will be hauled from the nearest water source, possibly produced water.
- b. Water will be trucked to the location.
- c. No water well is anticipated at this time.

### 6. SOURCE OF CONSTRUCTION MATERIAL:

- a. Only native soils will be utilized.
- b. No construction materials will be removed from Federal or Indian lands.
- c. Surface and subsoil materials in the immediate area will be utilized. Any gravel will be purchased from a commercial source.
- d. All major access roads are shown on Exhibit B.

### 7. METHOD FOR HANDLING WASTE DISPOSAL:

- a. Drill cuttings are to be contained and buried in the reserve pit.
- b. Drilling fluids are to be contained in the reserve pit. (Lined)

# Evergreen Operating Corp. Rosa Unit #298

1305' FSL 2040' FWL Sec. 14 - T 31 N - R 4 W Elev: 6750' GR Lease No. SF-078892

- c. The produced fluids will be stored in a production tank. Flammable waste is to be contained in the trash bin. Any spills of oil, gas, water or other production fluids will be cleaned up and removed.
- d. Chemical facilities will be provided for human waste.
- e. Garbage and non-flammable waste are to be contained in the trash bin and hauled away in the trash bin. Flammable waste is to be contained in the trash bin. The reserve pit will be fenced on three sides during drilling operations and the forth side fenced and top-screened when the drill rig is removed off location.
- f. All trash, garbage, etc. is to be contained and hauled away at the end of drilling operations. Reserve and mud pits will be allowed to dry after drilling and completion operations are completed and then adequately filled and leveled. All garbage and sewage pits will be filled as soon as the completion rig leaves the location.
- 8. ANCILLARY FACILITIES: none required.
- 9. WELL SITE LAYOUT:
  - a. Location profile plat is Exhibit F.
  - b. Drilling rig layout shown as Exhibit 6.
  - c. Completion rig layout show as Exhibit H.

### 10. SURFACE RESTORATION PLAN:

- a. Restoration of the well site and access road will begin as soon as all pits have dried. Waste disposal and spoil materials will be buried or hauled away immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as feasible.
- b. Should the well be abandoned, the drilling site will be reshaped as closely to the original contour as possible. The access road will be plowed and shaped. Both road and location will have topsoil replaced and reseeded when germination can occur. The portion of the location needed for daily operations and access road will be kept in good repair and clean.
- c. In either case, cleanup of the well site will include removal of all waste, fencing of all pits, removal of all oil accumulated on pits, and filling of pits.

### Evergreen Operating Corp. Rosa Unit #298

1305' FSL 2040' FWL Sec. 14 - T 31 N - R 4 W Elev: 6750' 9R Lease No. SF-078892

### 11. OTHER INFORMATION:

- a. General topography is shown on Exhibit B.
- All known archaeological or cultural sites near the proposed roadway or location have been identified and will be left intact.
- c. Animal life: mule deer, elk, rodents, and scavengers.
- d. Dwellings: none.
- e. Surface jurisdiction: Carson National Forest, Jicarilla Ranger District.
- f. Restrictions: As specified by BLM and Forest Service.
- g. Drilling is planned for summer, 1993. Completion time: approximately 15 days.

### 12. OPERATOR REPRESENTATIVES:

(Paperwork)
A. R. Kendrick
Consultant
Box 516
Aztec, NM 87410
(505) 334-2555

(Office)
Bob Brady or Dennis Carlton
Evergreen Operating Corporation
1512 Larimer Street, Suite 1000
Denver, CO 80202
(303) 534-0400

#### 13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by the operator, his contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

EYERGREEN OPERATING CORPORATION

A. R. Kendrick, Agent

P.O. Box 516 • Aztec, New Mexico 87410 • (505) 334-2555

Evergreen Operating Corp. Rosa Unit #298 1305' FSL 2040' FWL N-14-T31N-R4W

I hereby certify the following to be the deviation record of the wellbore of the Rosa Unit #298 well as determined from the available records:

DEDTIL	DEWLATION	
<u>DEPTH</u> 100'	DEVIATION	
	1.42*	
191'	1/2°	
342'	3/4°	
554'	1/2°	
762'	3/4°	
1070'	1°	
1356'	1°	
1502'	1-3/4°	
1721'	1-3/4°	(A) Po -
2032'	3-1/4°	REGEIVER
2127'	3-1/2°	UNTERVER
2221'	3-1/4°	Aug
2346'	2-3/4°	AUG1 01993
2471'	<b>3°</b>	OIL CON. Di
2638'	2-1/2°	SON. Da
2723'	3-1/2°	I DIST. 3
2846'	<b>3°</b>	•
2973'	3°	
3096'	<b>3°</b>	
3247'	3-1/4°	
3341'	<b>3°</b>	
3498'	2-3/4°	
37 <del>4</del> 7'	2°	1

SUBSCRUBED AND SWORN TO BEFORE ME this \_\_\_\_\_\_ day of August, 1993.

Notary Public

My commission expires March 29, 1994.