UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT 30-039-24834

APPLICATION FO	R PERMIT TO	DRILL, DEEPEN	, OR PLUG	BACK			
1a. Type of Work		5. Lease Number					
DRILL			SF-078	1891			
1b Type of Well	a a salah salah salah da	6.4f Indian, Name of Tribe or Allottee					
6AS							
2. Operator Parker a Parsley Petroleum (7: Unit Agreement	Name				
Evargreen Operating Corpor			ROSA L	JNIT			
3. Address & Phone No. of Operator		8. Farm or Lease N	lame				
%A . R. KENDRICK			ROSA L	JNIT			
BOX 516, AZTEC, NM 874	10	9. Well Number					
(505) 334-2555			280)			
4. Location of Well		10. Field, Pool, or	Wildcat				
		BASIN-F	RUITLAND	COAL BAS POOL			
		11. Section, Towns	ship,⟫	e, Meridian, or Block			
(Unit K) 2000' FSL 1890'	FWL	<u>k</u>	<u> </u>				
14. Distance in Miles from Nearest Town		12. County		13. State			
12 MILES WEST OF DULCE,		RIO ARR		NEW MEXICO			
15. Distance from	16. Acr	es in Lease	17. A	cres Assigned to Well			
Proposed Location							
To Nearest Property 1800'	1965.	72 Acres	W-327.26 Acres				
Line or Lease Line.							
18. Distance From	19. Pro	posed Depth	20. Rotary or Cable Tools				
Proposed Location							
To Nearest Well Dr, 2233'	4	215'		ROTARY			
Compl., Or Applied							
For On Lease.	L		L				
21. Elevations (DR, RT, GR, E	tc.	1		e Work Will Start.			
7020'		<u> </u>	ls soon as	Possible.			
23. Proposed Casing and Cementing Progra	m		ordel of the state of the stat				
			Company of Samuel				
Exhibits attached as follows:	21-4	""" Daill Dieleue					
"A" Location and Elevation A		"F" Drill Rig Layout "G" Completion Rig Layout					
"B" Ten-Point Compliance	-	"G" Completion Rig Layout					
"C" Blowout Preventer Sch	"H" Location Profile						
"D" Multi-Point Requireme	"I" Production Facility Schematic						
"E" Vicintity Map - Access	R080S						
24 simul 10 tachiel	Title	Agent	De	nte 4-6-90			
24. Signed A Sendrull	11(18	Ayent	DC	nte / U / U			
DE CELV	EIN			ADDERION			
Permit No.	- (0)	Approval Date					
JUL1 6 1990		pp. 0101 0000					
			Da	nte 1991 13990			
OIL CON. L			·				
NOTE: TRISTORM	AT IS ISSUED IN	LIEU OF U.S. BLM	FORM 3 160	MEANAGER			
M94-2810 (8)			· · · · · · · · · · · · · · · · · · ·	7			
N/5 /01 - C	NMO	CD					
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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>FISTRICT |</u>
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

A west Name of the subject will be subject to be well unit all interests have been conscidented (by communication, units and complete to the subject to the well units and complete to the subject to the well units and complete to the subject to the well units and complete to the subject will be subject to the well, couling the subject will be constructed to the subject will be colored peaced to be subject with by colored peaced to be desired to the subject will be colored peaced to be desired to the subject will be colored peaced to be desired to the subject will be colored peaced to be desired to the subject will be colored peaced to be well, have the interest of all owners been consolidated by communication, forced positing interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated (the reverse told of the content of the subject to the well units and content of the content of t	Orerain Par	Kerk	Were I	1. 1 2	wance must be	6 From the	outer bound	aries of the sec	ction		e i sum Tresses
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Touches the producting formation Producting	2000	feet from	n the Sc	outh			1800				
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Evergreen Operating Corporation Rosa Unit #280

2000' FSL 1890' FWL Sec. 1-31N-4W Rio Arriba County, New Mexico Lesse No. SF-078891

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

Ojo Alamo	3365'
Kirtland	3475'
Fruitland	3670'
Fruitland Coal	3865'
Pictured Cliffs	3965'
Total Depth	4 215'

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

SUBSTANCE	<u>FORMATION</u>	ANTICIPATED DEPTH
GAS	Fruitland Coal	3865'

4. THE PROPOSED CASING PROGRAM WILL BE AS FOLLOWS:

<u>DEPTH</u>	HOLE SIZE	Q.D.	WEIGHT	GRADE	IYPE	NEW/USED
	12-1/4" 7-7/8"		36 15.5	K-55 K-55		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 #280

2000' FSL 1890' FWL Sec. 1-31N-4W Rio Arriba County, New Mexico 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	VISCOSITY	FLUID LOSS	<u>Н</u> д	ADDITIVES
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:

- a. 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:
 - a. 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.

