

AMEND WFX 8/5/97



20 North Broadway, Suite 1500 Telephone: 405/235-3611  
Oklahoma City, Oklahoma 73102-8260

July 18, 1997

Certified Mail Z 397 639 862

JUL 21 1997

NM Oil Conservation Division  
2040 S. Pacheco Street  
Santa Fe, NM 87505  
Attn: Mr. Ben Stone

Re: Revision To Administrative Order No. WFX-697  
Grayburg-Jackson Waterflood Project  
Eddy County, NM

Dear Sir:

Please accept our request to amend Administrative Order No. WFX-697 to include the following:

C.A. Russell #22  
380' FNL & 500' FWL  
Sec 18-T17S-R31E  
Eddy County, NM

REPLACE

This well is a proposed redrill of the C.A. Russell #4. It is necessary due to the poor mechanical integrity of the production casing which rendered the original well unsuitable for injection. The C.A. Russell #4 has since been plugged and abandoned per OCD regulation.

Due to the location of the replacement well no additional offset wells fall within the "Area of Review"; therefore, no additional offset well information was provided.

Please direct any questions regarding this matter to the undersigned at (405)552-4528.

Sincerely,  
Devon Energy Corporation

A handwritten signature in cursive script, appearing to read "Charles H. Carleton".

Charles H. Carleton  
Senior Engineering Technician

/chc  
enclosures  
xc: Well File

**DEVON ENERGY CORPORATION  
APPLICATION FOR AUTHORITY TO INJECT  
GRAYBURG-JACKSON WATERFLOOD**

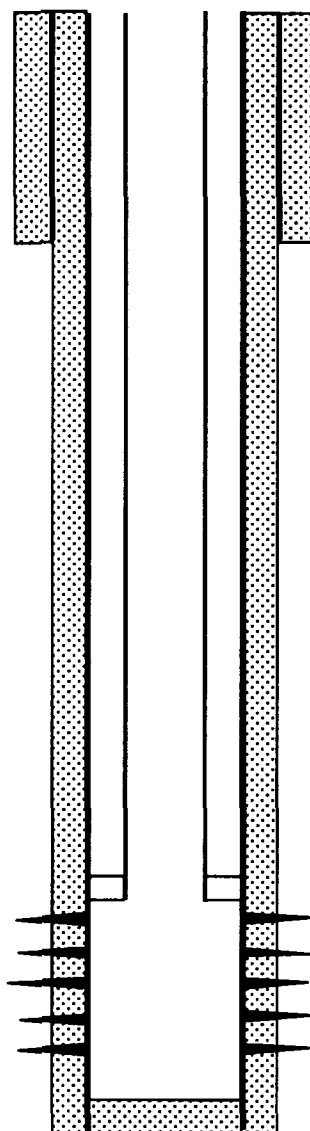
**III Well Data:**

- A. (1) C.A. Russell #22  
380'FNL & 500'FWL  
Section 18-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 450'. TOC @ Surface  
Hole Size = 12 1/4"
- Production Casing:  
5 1/2" 15.5# J-55 ST&C @ 4200'. TOC @ Surface  
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2700'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2700'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2740'- 3537'(OA). **The injection interval is 2740'- 3537'.**
- (3) This well will be drilled and completed as a water injection well. Water is to be injected into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2740'- 3537' interval.
- (5) The top of the Seven Rivers formation is at approximately 1775', there are no known lower oil zones

### III Well Data:

## DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: C.A. RUSSELL #22			FIELD: GRAYBURG-JACKSON			
LOCATION: 380'FNL & 500'FWL, SEC 18-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3753'(PROPOSED); KB=UNK			SPUD DATE:		COMP DATE:	
API#: 30-015-		PREPARED BY: C.H. CARLETON			DATE: 07/17/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 450'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4200'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 2700'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

8 5/8" CASING @ 450', CEMENT TO SURFACE.

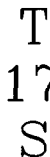
INJECTION INTERVAL: 2740'- 3537'

BAKER AD-1 PACKER @ 2700'

PERFORATIONS: 2740'- 3537' (OA)

5 1/2" CASING @ 4200', CEMENT TO SURFACE.  
TD @ 4200'

N



RUSL-22



**devon**  
ENERGY CORPORATION

# GRAYBURG-JACKSON AREA

WELLS WITHIN A ONE HALF MILE RADIUS OF  
RUSSELL-22

Scale in Feet

2000 0 2000 4000

CHC

7/97