

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 397 639 863

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-699  
Grayburg-Jackson Waterflood Project  
Eddy County, NM

Dear Sir:

Please accept our request to amend Administrative Order No. WFX-699 to include the following:

Friess Federal #5  
2220'FSL & 1434'FEL  
Sec 19-T17S-R31E  
Eddy County, NM  
30-015-29719

REPLACE

This well is a proposed redrill of the Friess Federal #1. It is necessary due to the poor mechanical integrity of the production casing which rendered the original well unsuitable for injection. The Friess Federal #1 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

Charles H. Carleton  
Senior Engineering Technician

/chc  
enclosures  
xc: Well File

679 - AAD - WFX  
DEV - EX - AAD  
QUEST 688

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

**III Well Data:**

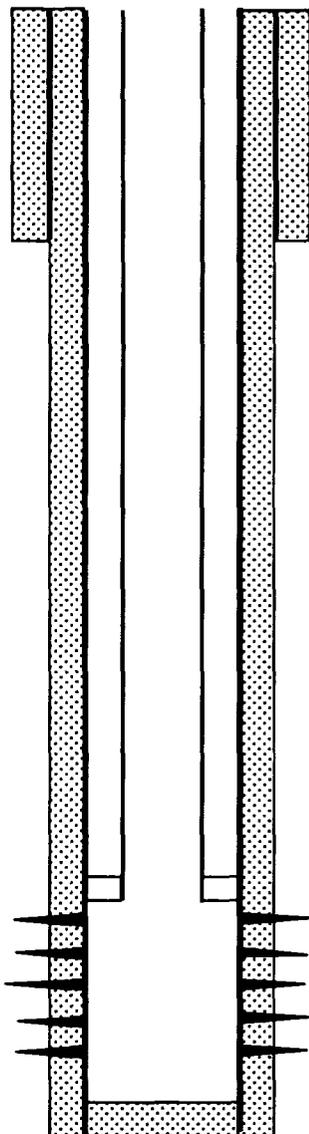
- A.
- (1) Friess Federal #5  
2220'FSL & 1434'FEL  
Section 19-T17S-R31E  
Eddy County, NM
  - (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 370'. TOC @ Surface  
Hole Size = 12 1/4"
  - Production Casing:  
5 1/2" 15.5# J-55 ST&C @ 4200'. TOC @ Surface  
Hole Size = 7 7/8"
  - (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2600'.
  - (4) 5 1/2" Baker AD-1 tension packer set at 2600'.
- B.
- (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
  - (2) Water injection will be through perforations 2650'- 3439'(OA). **The injection interval is 2650'- 3439'.**
  - (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 2650'- 3439' interval.
  - (5) The top of the Seven Rivers formation is at approximately 1700', there are no known lower oil zones

III Well Data:

**DEVON ENERGY CORPORATION  
WELLBORE SCHEMATIC**

WELL NAME: FRIESS FEDERAL #5		FIELD: GRAYBURG-JACKSON	
LOCATION: 2220'FSL & 1434'FEL, SEC 19-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3604'(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' - 370'	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' - 2600'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT       PROPOSED

OPERATOR: DEVON ENERGY CORPORATION(NEVADA)

8 5/8" CASING @ 370', CEMENT TO SURFACE.

INJECTION INTERVAL: 2650'- 3439'

BAKER AD-1 PACKER @ 2600'

PERFORATIONS: 2650'- 3439' (OA)

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



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APPLICATION FOR AUTHORITY TO INJECT  
GRAYBURG-JACKSON WATERFLOOD**

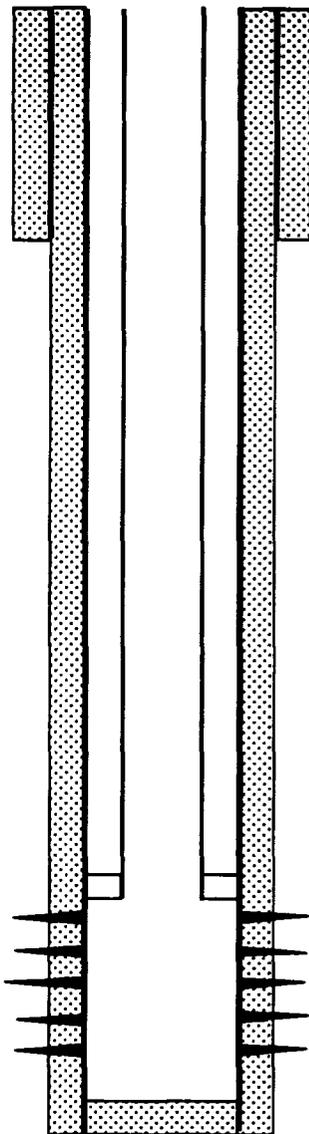
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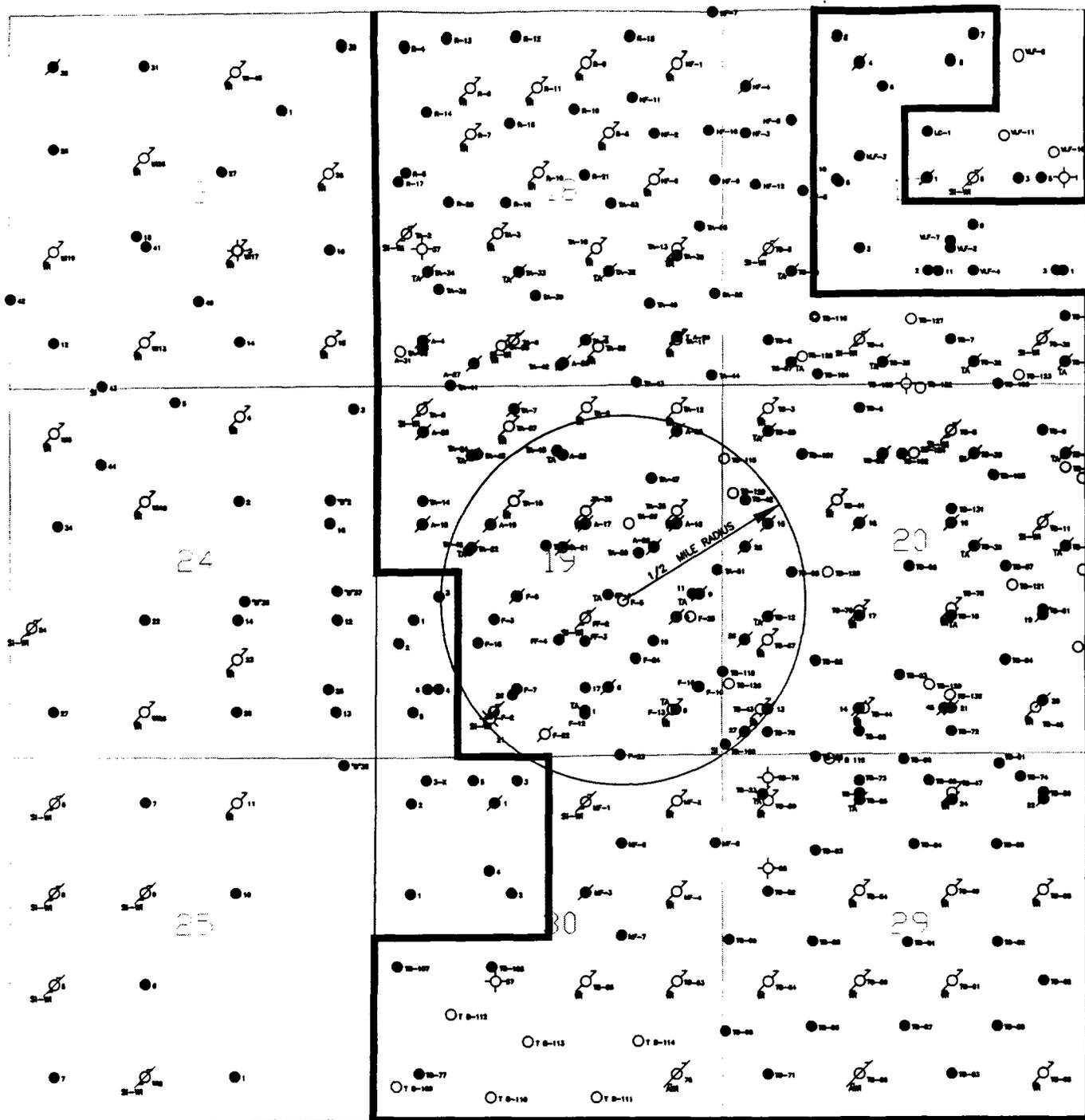
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R 31 E



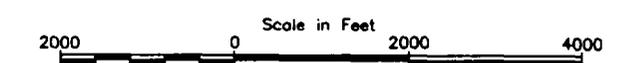
T 17 S



**GRAYBURG-JACKSON AREA**  
EDDY COUNTY, NEW MEXICO

WELLS WITHIN A ONE HALF MILE RADIUS OF  
FRIESS FEDERAL-5

FRIESS-5



CHC