

WFX

2/5/97



**ENERGY OPERATING CORPORATION**

20 North Broadway, Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611  
FAX 405/552-4550

JAN 21 1997

January 15, 1997

**Certified Mail P 619 404 427**

NM Oil Conservation Division  
2040 S. Pacheco St.  
Santa Fe, NM 87505

13 WJW

Re: Application For Authorization To Inject  
Grayburg-Jackson Waterflood Project  
Eddy County, NM

Dear Sir:

Enclosed are two(2) copies of the "Application For Authorization To Inject" covering various leases in Sections 19, 29, and 30 of T17S - R31E, Eddy County, NM.

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

Sincerely,  
Devon Energy Corporation

Charles H. Carleton  
Sr Engineering Technician

/chc  
enclosures

xc: Well File

113

## CHECKLIST for ADMINISTRATIVE INJECTION APPLICATIONS

Operator: DAVON ENERGY CORP. Well: TURKEY 'B' - 8 WELLS  
Contact: SKIP CARLTON Title: ENG Phone: 405-552-4528  
DATE IN 1-21 RELEASE DATE 2-5-97 DATE OUT 3-7-97

Proposed Injection Application is for: ☒ **WATERFLOOD** ☒ Expansion ☐ Initial

Original Order: R- ☐ **Secondary Recovery** ☐ Pressure Maintenance

### SENSITIVE AREAS

☐ **SALT WATER DISPOSAL** ☐ Commercial Well

☐ WIPP ☐ Capitan Reef ☐ Other \_\_\_\_\_

Data is complete for proposed well(s)? ☐ Additional Data Req'd \_\_\_\_\_

### AREA of REVIEW WELLS

55 Total # of AOR

16 # of Plugged Wells

4/5 Tabulation Complete

4/5 Schematics of P & A's

4/5 Cement Tops Adequate

☐ AOR Repair Required

### INJECTION FORMATION

Injection Formation(s) GRG / SA

Source of Water or Injectate ARLS Compatible Analysis 4/5

### PROOF of NOTICE

☒ Copy of Legal Notice

☒ Information Printed Correctly

☒ Correct Operators

☒ Copies of Certified Mail Receipts

☐ Objection Received

☐ Set to Hearing \_\_\_\_\_ Date

NOTES: \_\_\_\_\_

APPLICATION QUALIFIES FOR ADMINISTRATIVE APPROVAL? 4/5

### COMMUNICATION WITH CONTACT PERSON:

1st Contact: ☐ Telephoned ☐ Letter \_\_\_\_\_ Date \_\_\_\_\_ Nature of Discussion \_\_\_\_\_

2nd Contact: ☐ Telephoned ☐ Letter \_\_\_\_\_ Date \_\_\_\_\_ Nature of Discussion \_\_\_\_\_

3rd Contact: ☐ Telephoned ☐ Letter \_\_\_\_\_ Date \_\_\_\_\_ Nature of Discussion \_\_\_\_\_

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage  
Application qualifies for administrative approval? ☐ Yes ☐ No
- II. OPERATOR: Devon Energy Corporation (Nevada)  
ADDRESS: 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102-8260  
CONTACT PARTY: Mr. Randy Jackson PHONE: 405/552-4560
- III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project: ☒ Yes ☐ No  
If yes, give the Division order number authorizing the project R-2268
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted.)
- \* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Mr. Randy Jackson TITLE: District Engineer  
SIGNATURE: *Randy Jackson* DATE: January 15, 1997
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal. \_\_\_\_\_

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, PO Box 2088, Santa Fe, NM 87504-2088 within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

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**NOTICE:** Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

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

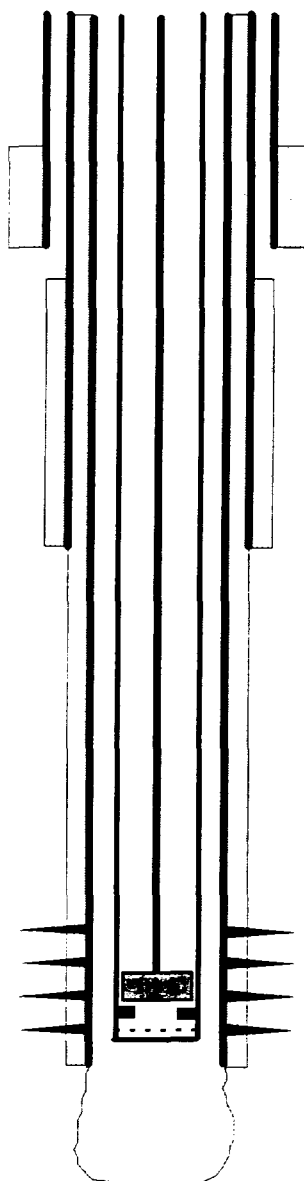
**III Well Data:**

- A. (1) Fren Oil Company #7  
990'FSL & 2970'FEL  
Section 19-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# @ 452'. Set with 75 sxs. TOC @ 320'(calculated)  
Hole Size = 12"(estimated)
- Intermediate Casing:  
7" 20# @ 1809'. Set with 130 sxs. TOC @ 600'(calculated)  
Hole Size = 7 7/8"(estimated)
- Production Casing:  
4 1/2" 9.5# J-55 @ 3100'. Set with 150 sxs. TOC @ surface.  
Hole Size = 6 1/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2650'.
- (4) 4 1/2" Baker AD-1 tension packer set at 2650'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2700'- 3100'(OA) and open hole 3100'- 3312'.  
**The injection interval is 2700'- 3312'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2700'- 3312' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #7			FIELD: GRAYBURG-JACKSON			
LOCATION: 990'FSL & 2970'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3579'; KB=UNK			SPUD DATE: 10/19/46		COMP DATE: 11/19/46	
API#: 30-015-05255		PREPARED BY: C.H. CARLETON			DATE: 12/17/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 452'	8 5/8"	24#			
CASING:	0' - 1809'	7"	20#			
CASING:	0' - 3100'	4 1/2"	9.5#	J-55		
TUBING:	0' - 3027'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/75 SXS. TOC @ 320'(CALC)

7" CASING SET W/130 SXS. TOC @ 600'(CALC)

SQZ'D 4 1/2"- 7" ANNULUS @ 2486' W/1250 SXS. CMT TO SURFACE

PERFORATIONS: 2844'- 3071' (OA)

SEAT NIPPLE @ 2992' (estimated)

4 1/2" CASING SET W/150 SXS. TOC @ 2486'(CBL)

PBTD @ 3100'

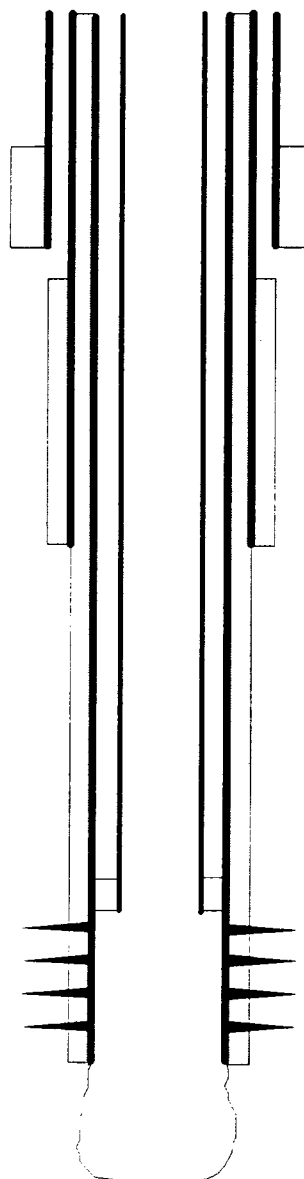
TD @ 3312'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #7				FIELD: GRAYBURG-JACKSON		
LOCATION: 990'FSL & 2970'FEL, SEC 19-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3579'; KB=UNK				SPUD DATE: 10/19/46		COMP DATE: 11/19/46
API#: 30-015-05255		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 452'	8 5/8"	24#			
CASING:	0' - 1809'	7"	20#			
CASING:	0' - 3100'	4 1/2"	9.5#	J-55		
TUBING:	0' - 2650'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/75 SXS. TOC @ 320'(CALC)

7" CASING SET W/130 SXS. TOC @ 600'(CALC)

INJECTION INTERVAL: 2700'- 3312'

BAKER AD-1 PACKER @ 2650'

PERFORATIONS: 2700'- 3100' (OA)

4 1/2" CASING SET W/150 SXS. TOC @ 2486'(CBL)  
OPEN HOLE: 3100'- 3312'

TD @ 3312'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

**III Well Data:**

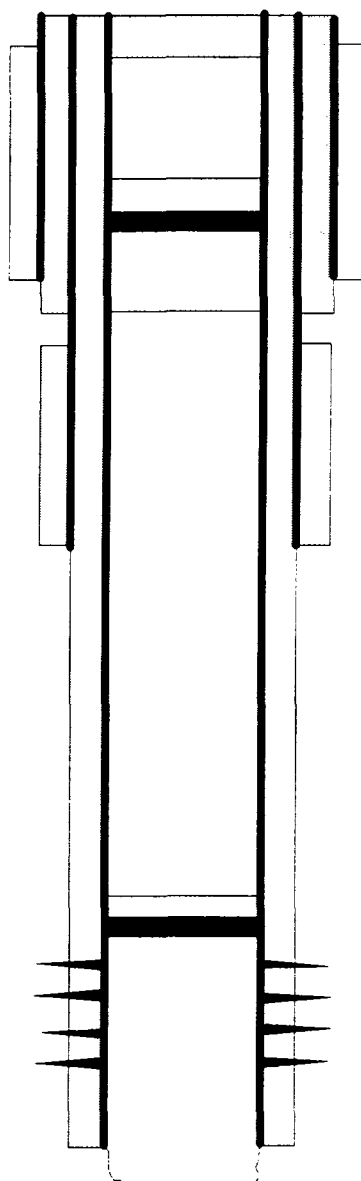
- A. (1) Fren Oil Company #8  
2310'FSL & 2970'FEL  
Section 19-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# @ 505'. Set with 75 sxs. TOC @ 370'(calculated)  
Hole Size = 12"(estimated)
- Intermediate Casing:  
7" 20# J-55 @ 1792'. Set with 130 sxs. TOC @ 1110'(calculated)  
Hole Size = 7 7/8"(estimated)
- Production Casing:  
4 1/2" 9.5# J-55 @ 3578'. Set with 465 sxs. TOC @ 170'(Temp Survey).  
Hole Size = 6 1/4"(estimated)
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2600'.
- (4) 4 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'- 3300'(OA). **The injection interval is 2650'- 3300'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2650'- 3300' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones



### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #8			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310'FSL & 2970'FEL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=UNK; KB=UNK			SPUD DATE: 11/27/46		COMP DATE: 12/28/46	
API#: 30-015-05256		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 505'	8 5/8"	24#			12"
CASING:	0' - 1792'	7"	20#	J-55		8 1/2"
CASING:	0' - 3578'	4 1/2"	9.5#	J-55		6 1/4"
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 03/24/76

CEMENT PLUG: 0' - 50'

CEMENT RETAINER @ 400', PUMP 85 SXS BELOW & CAP WITH 4 SXS.

8 5/8" CASING, SET W/75 SXS. TOC @ 370' (calc)

PERFORATE 4 1/2" - 7" CASING @ 605'

7" CASING, SET W/130 SXS. TOC @ 1110' (calc)

CIBP @ 2710', CAP WITH 4 SXS.

PERFORATIONS: 2755' - 3562' (OA)

4 1/2" CASING SET W/465 SXS. TOC @ 170' (TEMP SURVEY)

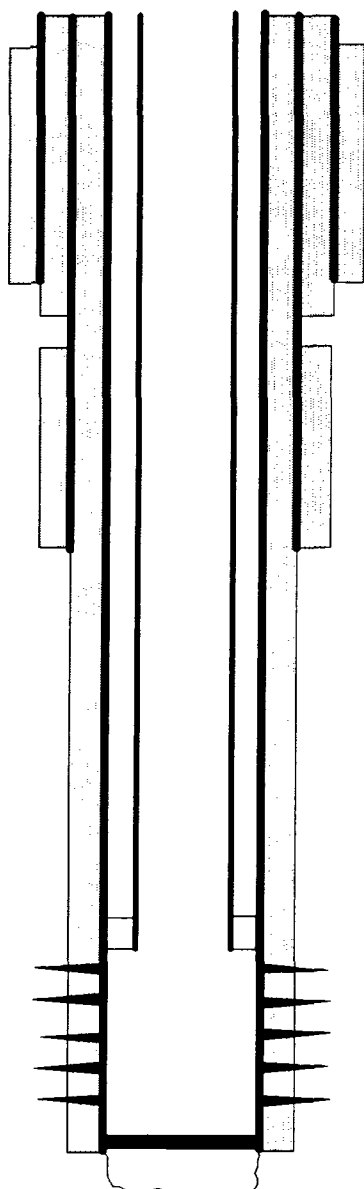
TD @ 3615'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #8			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310°FSL & 2970°FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK			SPUD DATE: 11/27/46		COMP DATE: 12/28/46	
API#: 30-015-05256		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 505'	8 5/8"	24#			12"
CASING:	0' - 1792'	7"	20#	J-55		8 1/2"
CASING:	0' - 3578'	4 1/2"	9.5#	J-55		6 1/4"
TUBING:	0' - 2600'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/75 SXS. TOC @ 370' (calc)

7" CASING, SET W/130 SXS. TOC @ 1110' (calc)

**INJECTION INTERVAL: 2650' - 3300'**

BAKER AD-1 PACKER @ 2600'

PERFORATIONS: 2650' - 3300' (OA)

CIBP @ 3570'

4 1/2" CASING SET W/465 SXS. TOC @ 170' (TEMP SURVEY)

TD @ 3615'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

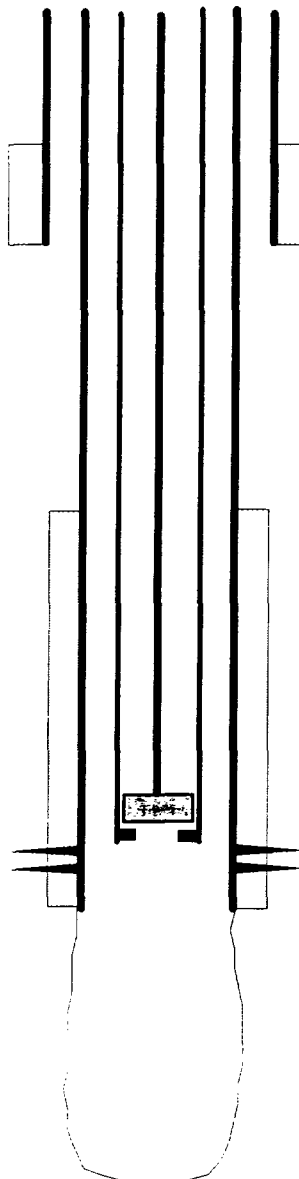
III      **Well Data:**

- A.      (1) Fren Oil Company #12  
            610'FSL & 1980'FEL  
            Section 19-T17S-R31E  
            Eddy County, NM
- (2) Surface Casing:  
                8 5/8" 28# @ 499'. Set with 50 sxs. TOC @ 410'(calculated)  
                Hole Size = 12"(estimated)
- Intermediate Casing:  
                7" 20# @ 3080'. Set with 125 sxs. TOC @ 1920'(calculated)  
                Hole Size = 7 7/8"(estimated)
- Production Casing:  
                4 1/2" 11.6# J-55 LT&C @ 3200'. TOC @ surface.  
                Hole Size = 6 1/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2700'.
- (4) 4 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 2750'- 3200'(OA). **The injection interval is 2750'- 3200'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2750'- 3200' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #12				FIELD: GRAYBURG-JACKSON		
LOCATION: 610'FSL & 1980'FEL, SEC 19-T17S-R31E				COUNTY: EDDY	STATE: NM	
ELEVATION: GL=3585'; KB=UNK				SPUD DATE: 12/14/54	COMP DATE: 02/11/55	
API#: 30-015-05260		PREPARED BY: C.H. CARLETON			DATE: 12/17/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 499'	8 5/8"	28#			
CASING:	0' - 3080'	7"	20#			
CASING:						
TUBING:	0' - 3033'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/50 SXS. TOC @ 410'(CALC)

SEAT NIPPLE @ 3033'  
PERFORATIONS: 3060'- 3070' (OA)  
7" CASING SET W/125 SXS. TOC @ 1920'(CALC)

OPEN HOLE COMPLETION: 3080'- 3200'

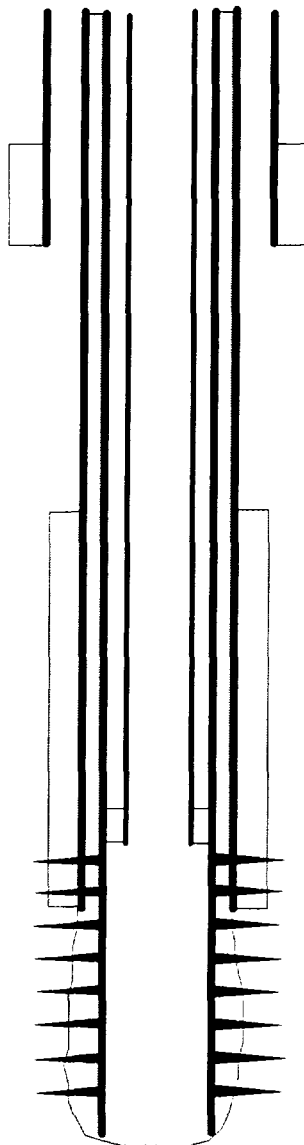
TD @ 3200'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: FREN OIL COMPANY #12			FIELD: GRAYBURG-JACKSON			
LOCATION: 610'FSL & 1980'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3585'; KB=UNK			SPUD DATE: 12/14/54		COMP DATE: 02/11/55	
API#: 30-015-05260		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 499'	8 5/8"	28#			
CASING:	0' - 3080'	7"	20#			
CASING:	0' - 3200'	4 1/2"	11.6#	J-55	LT&C	6 1/4"
TUBING:	0' - 2700'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/50 SXS. TOC @ 410'(CALC)

INJECTION INTERVAL: 2750'- 3200'

BAKER AD-1 PACKER @ 2700'

7" CASING SET W/125 SXS. TOC @ 1920'(CALC)

PERFORATIONS: 2750'- 3200' (OA)

4 1/2" CASING. TOC @ SURFACE.

TD @ 3200'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

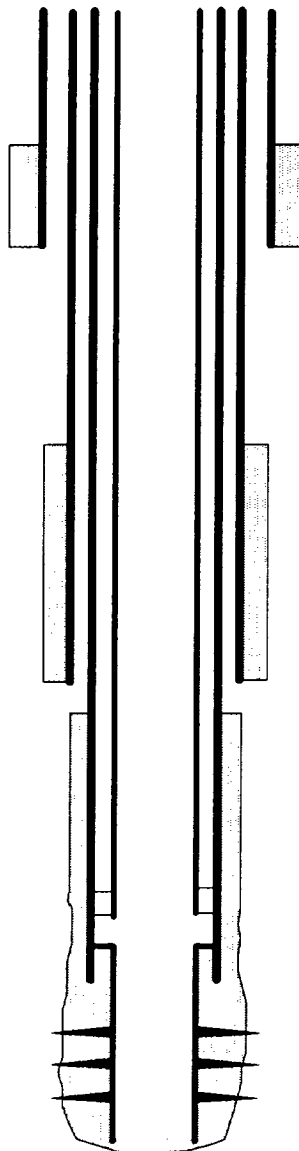
**III Well Data:**

- A. (1) Max Friess #1  
660'FNL & 1980'FEL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 1/4" 24# @ 524'. Set with 50 sxs. TOC @ 410'(calculated)  
Hole Size = 11"(estimated)
- Intermediate Casing:  
7" 20# @ 1852'. Set with 100 sxs. TOC @ 920'(calculated)  
Hole Size = 7 7/8"(estimated)
- Production Casing:  
5" 15# J-5 5 @ 2830'. Set with 100 sxs. TOC @ 1980'(Temp Survey).  
Hole Size = 6 1/4"
- Liner:  
2 7/8" 6.5# J-55 @ 2615'. Set with 155 sxs. TOC @ liner top.  
Hole Size = 6 1/4"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2600'.
- (4) 5" 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 2800'- 3439'(OA). **The injection interval is 2800'- 3439'.**
- (3) This well was originally drilled and completed as an oil well, but was later converted to a water injection well injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2800'- 3439' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3581'; KB=UNK			SPUD DATE: 12/14/43		COMP DATE: 03/06/43	
API#: 30-015-05459		PREPARED BY: C.H. CARLETON			DATE: 12/17/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 524'	8 1/4"	24#			
CASING:	0' - 1852'	7"	20#			
CASING:	0' - 2830'	5"	15#	J-55		6 1/4"
LINER:	2615' - 3423'	2 7/8"	6.5#	J-55	8rd	
TUBING:	0' - 2503'	2 3/8"	4.7#	J-55	8rd	



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 1/4" CASING, SET W/50 SXS. TOC @ 410'(calc)

7" CASING SET W/100 SXS. TOC @ 920'(calc)

JOHNSON 101-S PACKER @ 2503'

5" CASING SET W/100 SXS. TOC @ 1980'(TEMP SURVEY)

PERFORATIONS: 3108'- 3237' (OA)

PBTD @ 3423'

2 7/8" LINER SET W/155 SXS.

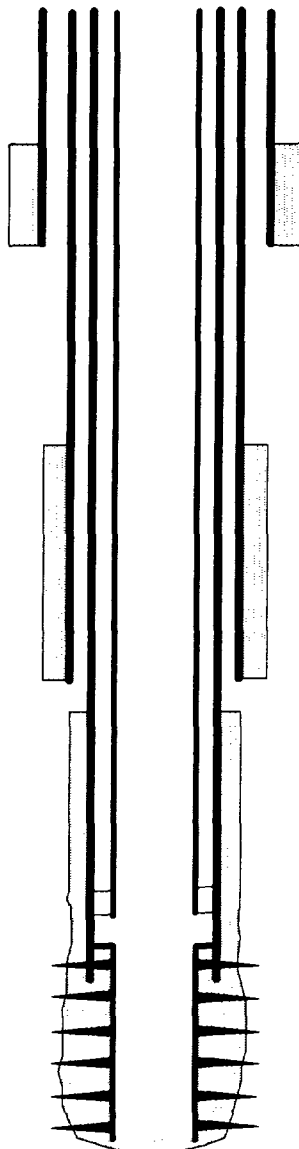
TD @ 3450'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3581'; KB=UNK			SPUD DATE: 12/14/43		COMP DATE: 03/06/43	
API#: 30-015-05459		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 524'	8 1/4"	24#			
CASING:	0' - 1852'	7"	20#			
CASING:	0' - 2830'	5"	15#	J-55		6 1/4"
LINER:	2615' - 3423'	2 7/8"	6.5#	J-55	8rd	
TUBING:	0' - 2600'	2 3/8"	4.7#	J-55	EUE 8rd	



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 1/4" CASING, SET W/50 SXS. TOC @ 410'(calc)

7" CASING SET W/100 SXS. TOC @ 920'(calc)

INJECTION INTERVAL: 2800'- 3439'

BAKER AD-1 PACKER @ 2600'

5" CASING SET W/100 SXS. TOC @ 1980'(TEMP SURVEY)

PERFORATIONS: 2800'- 3439' (OA)

2 7/8" LINER SET W/155 SXS.  
TD @ 3450'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.



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

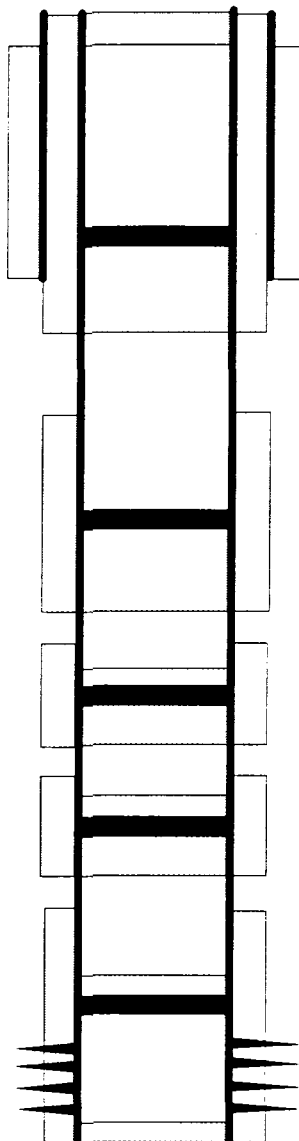
**III Well Data:**

- A. (1) Max Friess #3  
1980'FNL & 1980'FEL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
10 3/4" 28.6# @ 586'. Set with 100 sxs. TOC @ 230'(calculated)  
Hole Size = 12"(estimated)
- Production Casing:  
7" 20# @ 3451'. Set with 100 sxs. TOC @ 2400'(Temp Survey)  
Hole Size = 9 7/8"(estimated)
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2800'.
- (4) 7" Baker Lock-Set tension packer set at 2800'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2850'- 3412'(OA). **The injection interval is 2850'- 3412'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2850'- 3412' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3597'; KB=UNK			SPUD DATE: 07/01/57		COMP DATE: 08/13/57	
API#: 30-015-05470		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 586'	10 3/4"	28.6#			
CASING:	0' - 3451'	7"	17,20#			
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 08/13/79

CEMENT PLUG: 0' - 10'  
CEMENT RETAINER @ 556', PUMP 250 SXS BELOW RETAINER  
10 3/4" CASING, SET W/100 SXS. TOC @ 230' (calc)

PERFORATE 7" CASING @ 650'. CEMENT TO SURFACE.

CEMENT RETAINER @ 1744', PUMP 250 SXS BELOW RETAINER.

PERFORATE 7" CASING @ 1410'

CEMENT RETAINER @ 1366', PUMP 379 SXS BELOW & CAP W/15' CMT  
PERFORATE 7" CASING @ 1916'

CEMENT RETAINER @ 2234', PUMP 379 SXS BELOW & CAP W/15' CMT  
PERFORATE 7" CASING @ 2310' - 2312'

CIBP @ 2846' & CAPPED WITH 100' CEMENT

PERFORATIONS: 2908' - 3396' (OA)

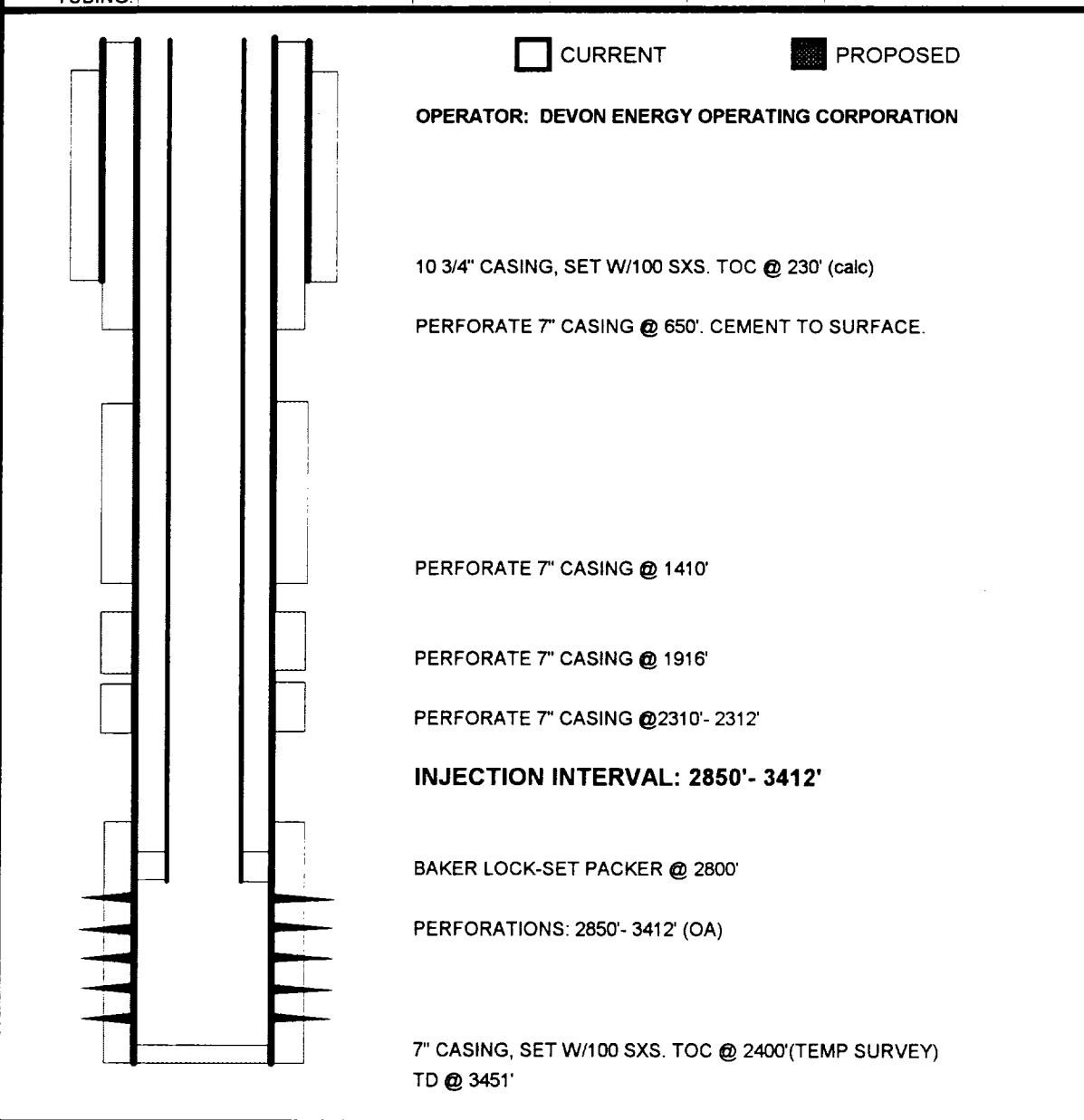
7" CASING, SET W/100 SXS. TOC @ 2400' (TEMP SURVEY)  
TD @ 3451'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: MAX FRIESS #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FEL, SEC 30-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3597'; KB=UNK			SPUD DATE: 07/01/57		COMP DATE: 08/13/57	
API#: 30-015-05470		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 586'	10 3/4"	28.6#			
CASING:	0' - 3451'	7"	17,20#			
CASING:						
TUBING:	0' - 2800'	2 3/8"	4.7#	J-55	EUE 8ed	
TUBING:						



NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

WFX  
70%

III Well Data:

- A. (1) Turner "B" #63  
660'FSL & 1980'FEL  
Section 29-T17S-R31E  
Eddy County, NM

9 Wells  
Turner 'B'  
WFX Project

- (2) Surface Casing:  
8 5/8" 24# @ 700'. Set with 100 sxs. TOC @ 230'(calculated)  
Hole Size = 10"(estimated)

Production Casing:  
5" 11.5# @ 3670'. Set with 100 sxs. TOC @ 2810'(Temp Survey)  
Hole Size = 7 7/8"(estimated)

- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3100'.

- (4) 5" Baker AD-1 tension packer set at 3100'.

- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.

- (2) Water injection will be through perforations 3150'- 3647'(OA). **The injection interval is 3150'- 3647'.**

- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.

- (4) Additional perforations may be added in the 3150'- 3647' interval.

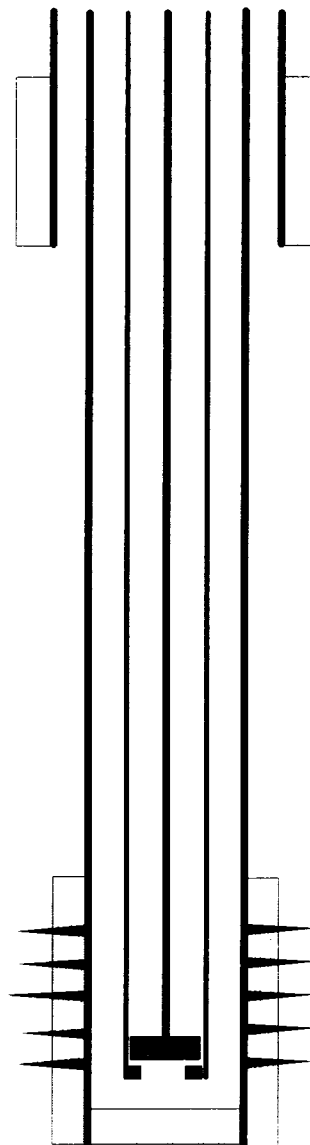
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

2980  
3050  
3100  
3672  
3750

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #63			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FEL, SEC 29-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3737'; KB=UNK			SPUD DATE: 08/05/59		COMP DATE: 09/18/59	
API#: 30-015-05450		PREPARED BY: C.H. CARLETON			DATE: 10/08/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 700'	8 5/8"	24#			10"
CASING:	0' - 3670'	5"	11.5#			
CASING:						
TUBING:	0' - 3624'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT

☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, SET W/100 SXS. TOC @ 230'(calc)

PERFORATE: 3293'- 3620' (OA)

SEAT NIPPLE @ 3624"

PBTD @ 3648'

5" CASING, SET W/100 SXS. TOC @ 2810'(TEMP SURVEY)

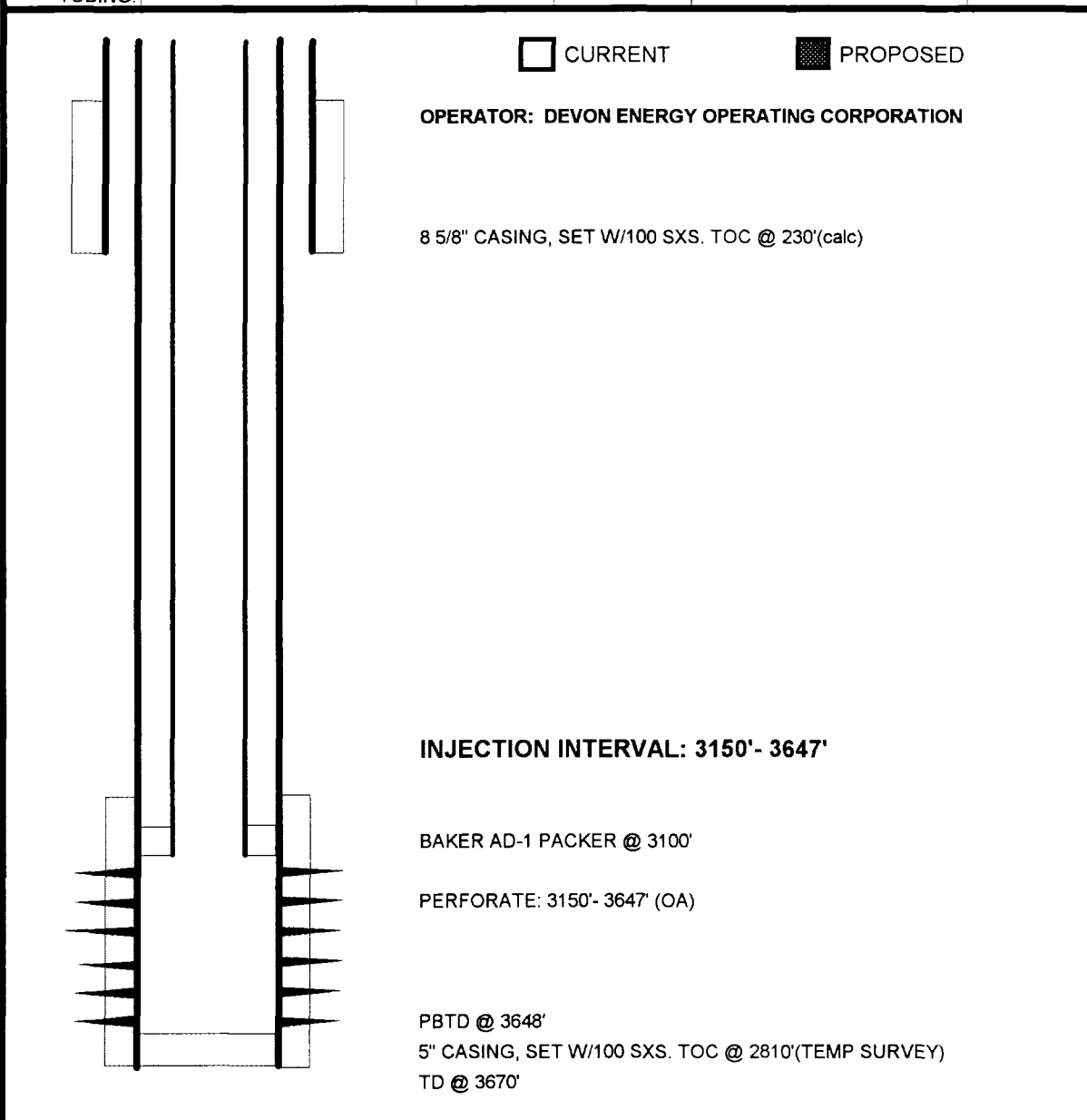
TD @ 3670'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

**DEVON ENERGY OPERATING CORPORATION**  
**WELLBORE SCHEMATIC**

WELL NAME: TURNER "B" #63			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FEL, SEC 29-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3737'; KB=UNK			SPUD DATE: 08/05/59		COMP DATE: 09/18/59	
API#: 30-015-05450		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 700'	8 5/8"	24#			10"
CASING:	0' - 3670'	5"	11.5#			
CASING:						
TUBING:	0' - 3100'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

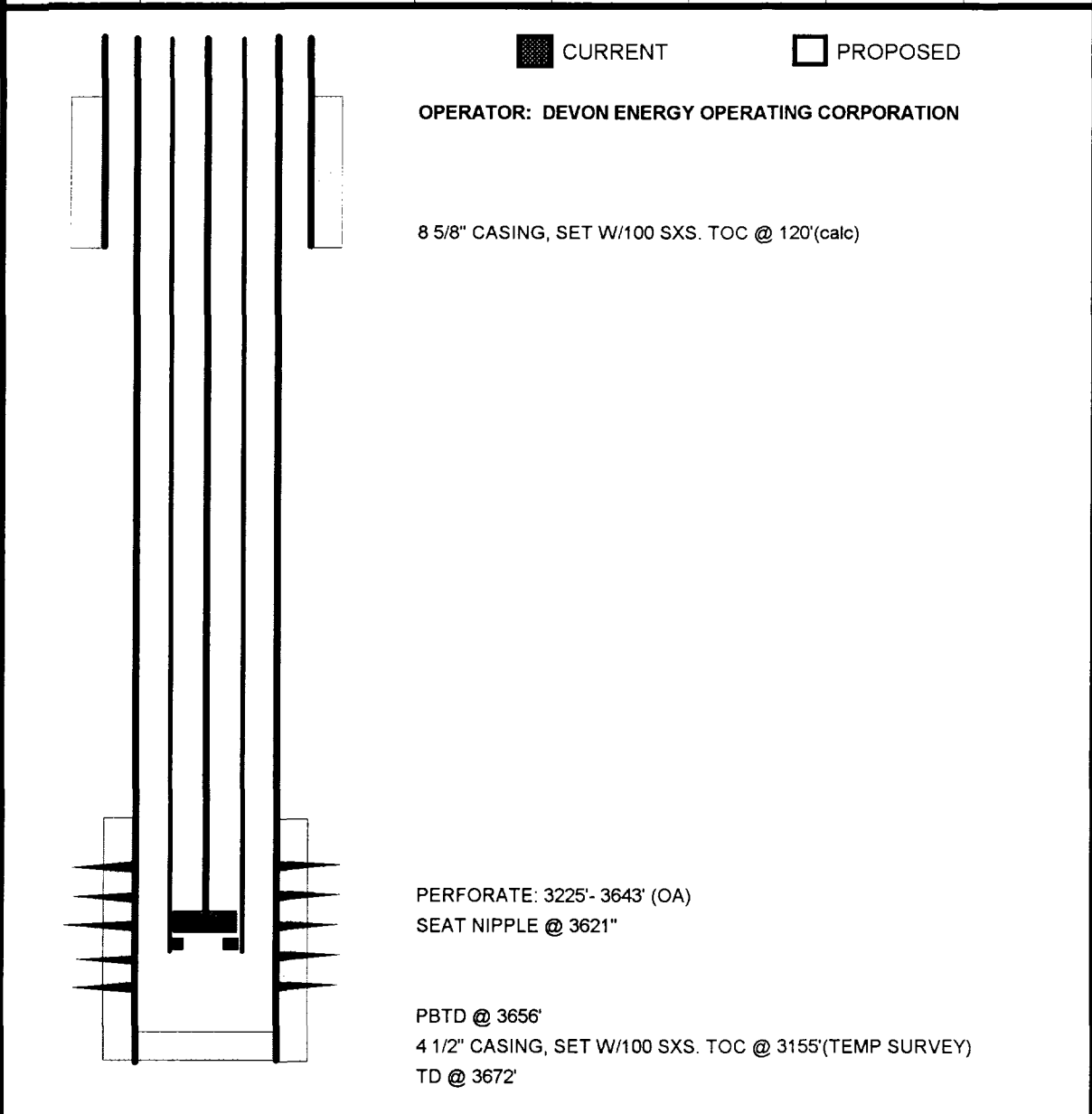
**III Well Data:**

- A. (1) Turner "B" #71  
660'FSL & 660'FWL  
Section 29-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 @ 590'. Set with 100 sxs. TOC @ 120'(calculated)  
Hole Size = 10"(estimated)
- Production Casing:  
4 1/2" 9.5# J-55 @ 3672'. Set with 100 sxs. TOC @ 3155'(Temp Survey).  
Hole Size = 7 7/8"(estimated)
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3050'.
- (4) 4 1/2" Baker AD-1 tension packer set at 3050'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3100'- 3672'(OA). **The injection interval is 3100'- 3672'.**
- NOTE:** A cement bond log will be run prior to perforating the 4 1/2" casing to insure that the height of cement behind casing is 100' above proposed top perforation(±3100'). Should cement top be less than 3000', the 4 1/2" casing will be perforated and cement squeezed.
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3100'- 3672' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

**DEVON ENERGY OPERATING CORPORATION**  
**WELLBORE SCHEMATIC**

WELL NAME: TURNER "B" #71			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FWL, SEC 29-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3692'; KB=UNK			SPUD DATE: 09/09/60		COMP DATE: 10/23/60	
API#: 30-015-05454		PREPARED BY: C.H. CARLETON			DATE: 10/08/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 590'	8 5/8"	24#	J-55		10"
CASING:	0' - 3672'	4 1/2"	9.5#	J-55		
CASING:						
TUBING:	0' - 3621'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

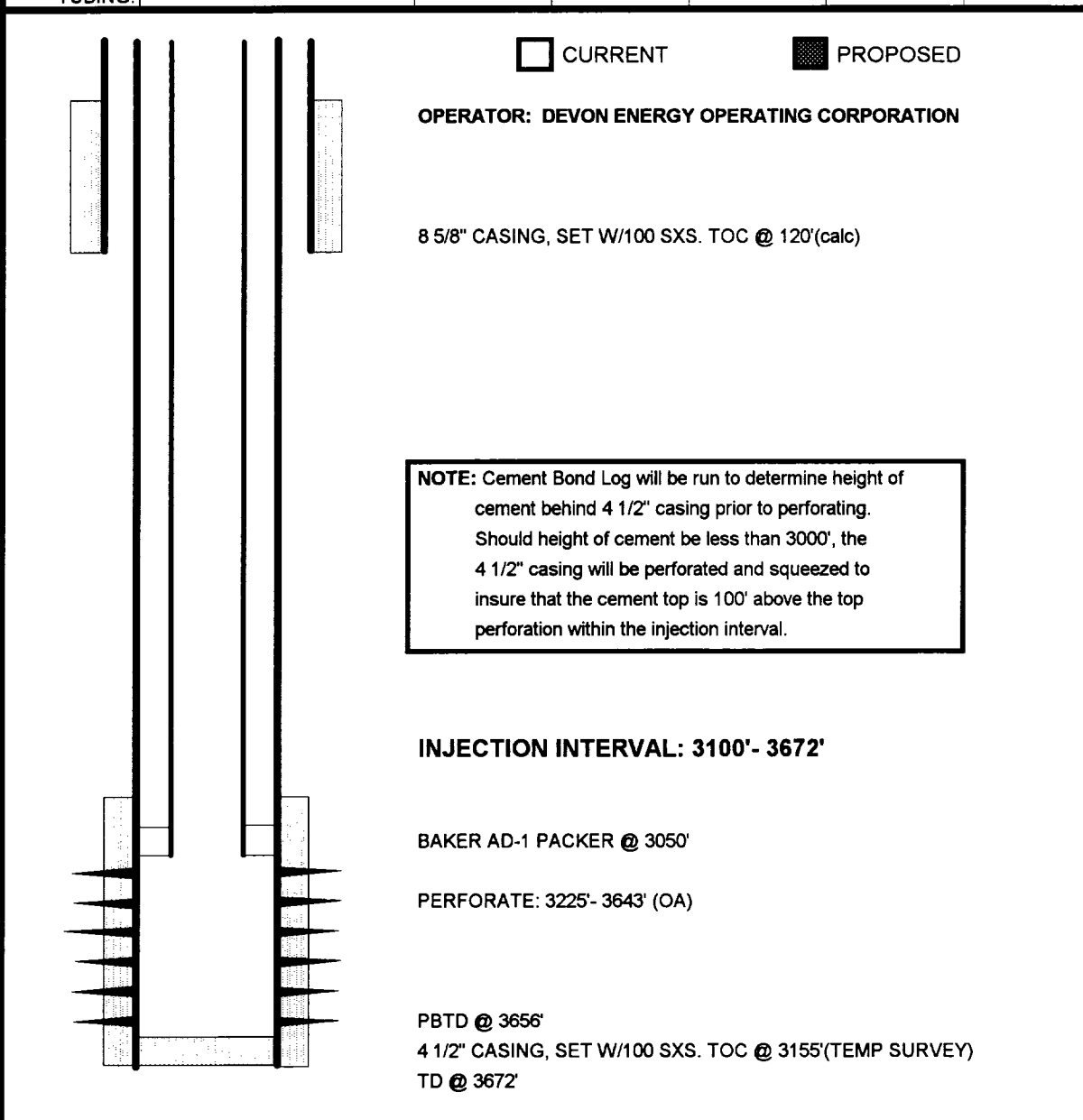


### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #71		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FSL & 660'FWL, SEC 29-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3692'; KB=UNK		SPUD DATE: 09/09/60	COMP DATE: 10/23/60
API#: 30-015-05454	PREPARED BY: C.H. CARLETON		DATE: 12/31/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 590'	8 5/8"	24#	J-55		10"
CASING:	0' - 3672'	4 1/2"	9.5#	J-55		
CASING:						
TUBING:	0' - 3050'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

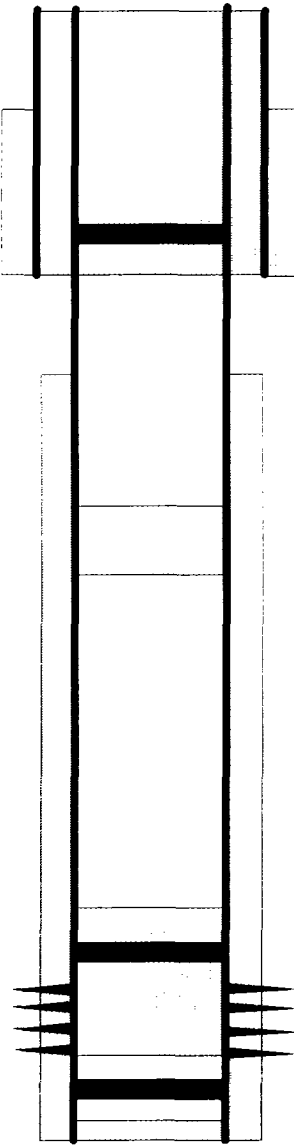
**III Well Data:**

- A. (1) Turner "B" #76  
660'FSL & 660'FEL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# @ 542'. Set with 100 sxs. TOC @ 380'(calculated)  
Hole Size = 12"(estimated)
- Production Casing:  
4 1/2" 9.5# J-55 @ 3597'. Set with 575 sxs. TOC @ 800'(Temp Survey).  
Hole Size = 7 7/8"(estimated)
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3000'.
- (4) 4 1/2" Baker AD-1 tension packer set at 3000'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3050'- 3597'(OA) and open hole 3597'- 3750'.  
**The injection interval is 3050'- 3750'.**
- (3) This well was originally dry and abandoned and was later completed as a water injection well injecting into the Grayburg/San Andres formation. Well was plugged and abandoned in 4/82.
- (4) Additional perforations may be added in the 3050'- 3750' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: TURNER "B" #76			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FEL, SEC 30-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3656'; KB=UNK			SPUD DATE: 12/20/60		COMP DATE: 01/29/61	
API#: 30-015-05750		PREPARED BY: C.H. CARLETON			DATE: 10/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 542'	8 5/8"	24#			
CASING:	0' - 3597'	4 1/2"	9.5#	J-55		7 7/8"
CASING:						
TUBING:						
TUBING:						



☒ CURRENT      ☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 04/28/82**

CEMENT RETAINER @ 498', CIRCULATE CEMENT TO SURFACE  
 PERFORATE 4 1/2" CASING @ 538'  
 8 5/8" CASING, SET W/100 SXS. TOC @ 380' (calc)

CEMENT PLUG: 1400'- 1500'

CEMENT RETAINER @ 3345', PUMP 100 SXS BELOW & CAP W/100' CMT  
 PERFORATIONS: 3426'- 3497' (OA)

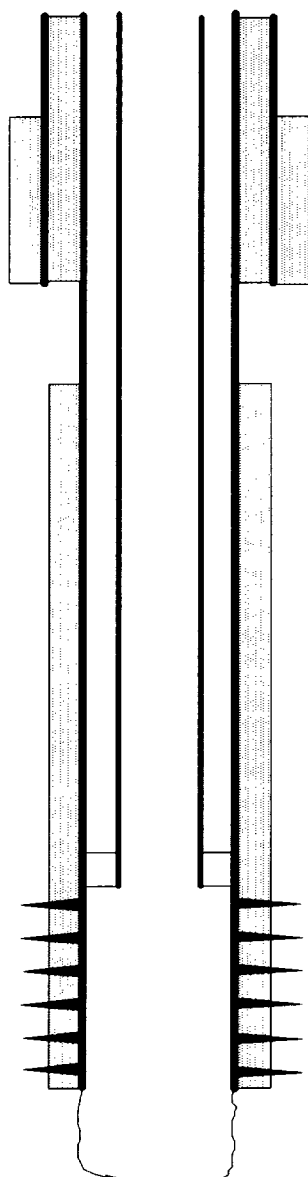
CIBP @ 3560'  
 4 1/2" CASING, SET W/575 SXS. TOC @ 800'(TEMP SURVEY)  
 TD @ 3597'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #76			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FEL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3656'; KB=UNK			SPUD DATE: 12/20/60		COMP DATE: 01/29/61	
API#: 30-015-05750		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 542'	8 5/8"	24#			
CASING:	0' - 3597'	4 1/2"	9.5#	J-55		7 7/8"
CASING:						
TUBING:	0' - 3000'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

PERFORATE 4 1/2" CASING @ 538'. CIRCULATE CEMENT TO SURFACE.  
8 5/8" CASING, SET W/100 SXS. TOC @ 380' (calc)

**INJECTION INTERVAL: 3050'- 3750'**

BAKER AD-1 PACKER @ 3000'

PERFORATIONS: 3050'- 3597' (OA)

4 1/2" CASING, SET W/575 SXS. TOC @ 800'(TEMP SURVEY)  
OPEN HOLE: 3597'- 3750'

TD @ 3750'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

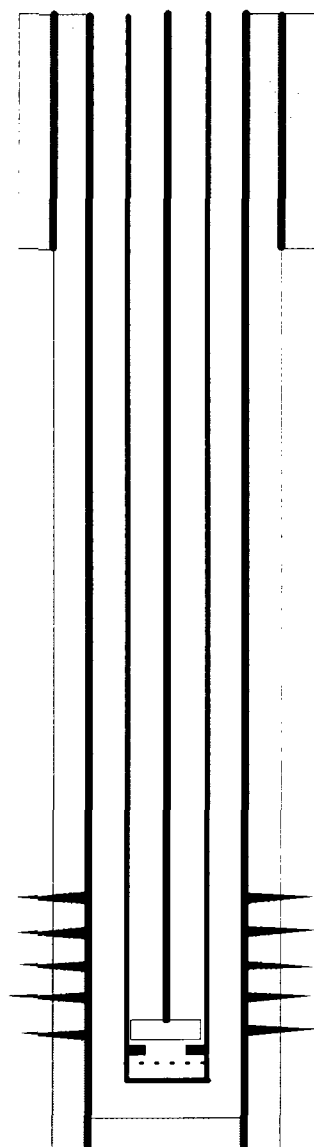
**III Well Data:**

- A. (1) Turner "B" #107  
2190'FSL & 330'FWL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 387'. Set with 660 sxs. TOC @ surface  
Hole Size = 12 1/4"
- Production Casing:  
5 1/2" 15.5# J-55 LT&C @ 4045'. Set with 2550 sxs. TOC @ surface  
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2850'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2850'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2900'- 3700'(OA). **The injection interval is 2900'- 3700'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2900'- 3700' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

**DEVON ENERGY OPERATING CORPORATION**  
**WELLBORE SCHEMATIC**

WELL NAME: TURNER "B" #107				FIELD: GRAYBURG-JACKSON		
LOCATION: 2190'FSL & 330'FWL, SEC 30-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=3589'; KB=3603'				SPUD DATE: 06/07/96		COMP DATE: 11/25/96
API#: 30-015-28895		PREPARED BY: C.H. CARLETON			DATE: 12/17/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 387'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4045'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3756'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, SET W/660 SXS. TOC @ SURFACE

PERFORATIONS: 2951'- 3617' (OA)

SEAT NIPPLE @ 3720'

PBTD @ 4002'

5 1/2" CASING SET W/2550 SXS. TOC @ SURFACE

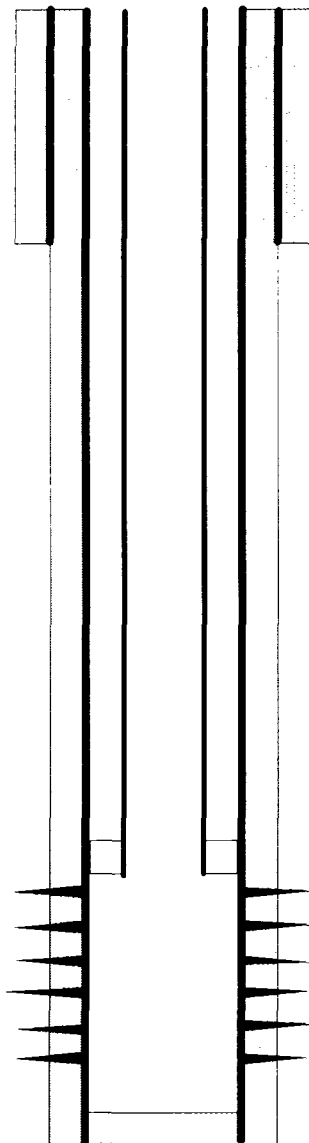
TD @ 4045'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

**DEVON ENERGY OPERATING CORPORATION**  
**WELLBORE SCHEMATIC**

WELL NAME: TURNER "B" #107			FIELD: GRAYBURG-JACKSON			
LOCATION: 2190'FSL & 330'FWL, SEC 30-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3589'; KB=3603'			SPUD DATE: 06/07/96		COMP DATE: 11/25/96	
API#: 30-015-28895		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 387'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 4045'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2850'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

☐

CURRENT



PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, SET W/660 SXS. TOC @ SURFACE

**INJECTION INTERVAL: 2900'- 3700'**

BAKER AD-1 PACKER @ 2850'

PERFORATIONS: 2900'- 3700' (OA)

PBTD @ 4002'

5 1/2" CASING SET W/2550 SXS. TOC @ SURFACE

TD @ 4045'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

**III Well Data:**

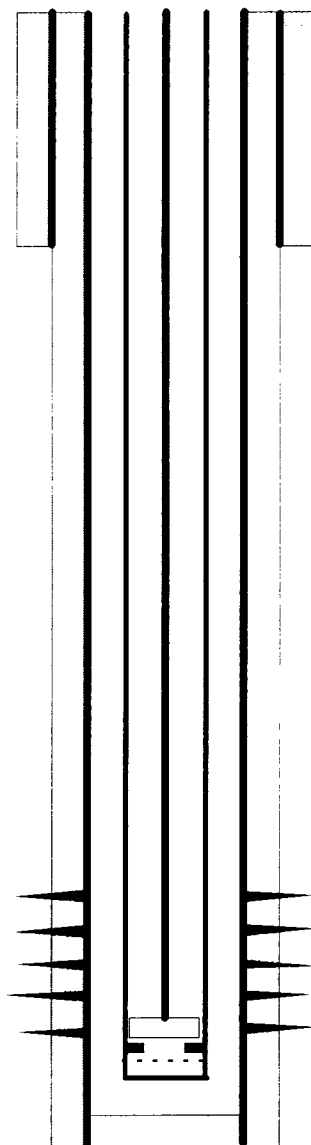
- A. (1) Turner "B" #108  
2190'FSL & 1700'FWL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 430'. Set with 350 sxs. TOC @ surface  
Hole Size = 12 1/4"
- Production Casing:  
5 1/2" 15.5# J-55 LT&C @ 3869'. Set with 1375 sxs. TOC @ surface  
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2900'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2950'- 3650'(OA). **The injection interval is 2950'- 3650'.**
- (3) This well was originally drilled and completed as an oil well, producing from the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2950'- 3650' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones



### III Well Data:

**DEVON ENERGY OPERATING CORPORATION**  
**WELLBORE SCHEMATIC**

WELL NAME: TURNER "B" #108			FIELD: GRAYBURG-JACKSON			
LOCATION: 2190'FSL & 1700'FWL, SEC 30-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3601', KB=3615'			SPUD DATE: 09/26/96		COMP DATE: 12/07/96	
API#: 30-015-28984		PREPARED BY: C.H. CARLETON			DATE: 12/17/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 430'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3869'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 3672'	2 7/8"	6.5#	J-55	EUE 8rd	
TUBING:						



CURRENT

☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, SET W/350 SXS. TOC @ SURFACE

PERFORATIONS: 2991'- 3615' (OA)

SEAT NIPPLE @ 3635'

PBTD @ 3823'

5 1/2" CASING SET W/1375 SXS. TOC @ SURFACE

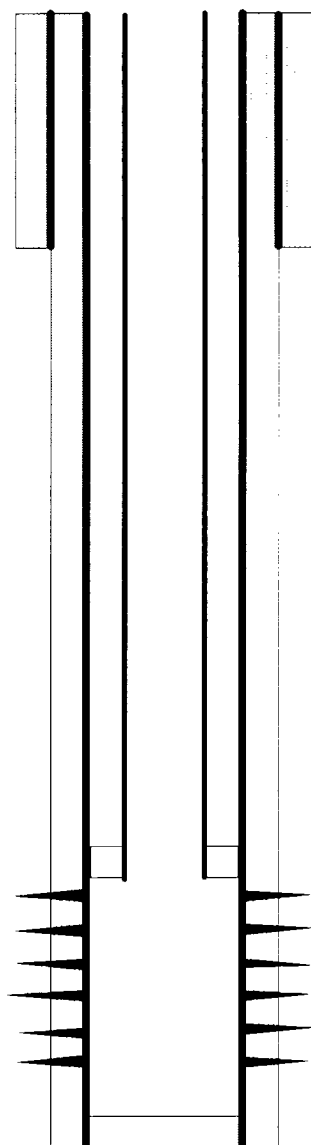
TD @ 3870'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

### III Well Data:

**DEVON ENERGY OPERATING CORPORATION**  
**WELLBORE SCHEMATIC**

WELL NAME: TURNER "B" #108			FIELD: GRAYBURG-JACKSON			
LOCATION: 2190'FSL & 1700'FWL, SEC 30-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3601'; KB=3615'			SPUD DATE: 09/26/96		COMP DATE: 12/07/96	
API#: 30-015-28984		PREPARED BY: C.H. CARLETON			DATE: 12/31/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 430'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3869'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						

☐

CURRENT



PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, SET W/350 SXS. TOC @ SURFACE

**INJECTION INTERVAL: 2950'- 3650'**

BAKER AD-1 PACKER @ 2900'

PERFORATIONS: 2950'- 3650' (OA)

PBTD @ 3823'

5 1/2" CASING SET W/1375 SXS. TOC @ SURFACE

TD @ 3870'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

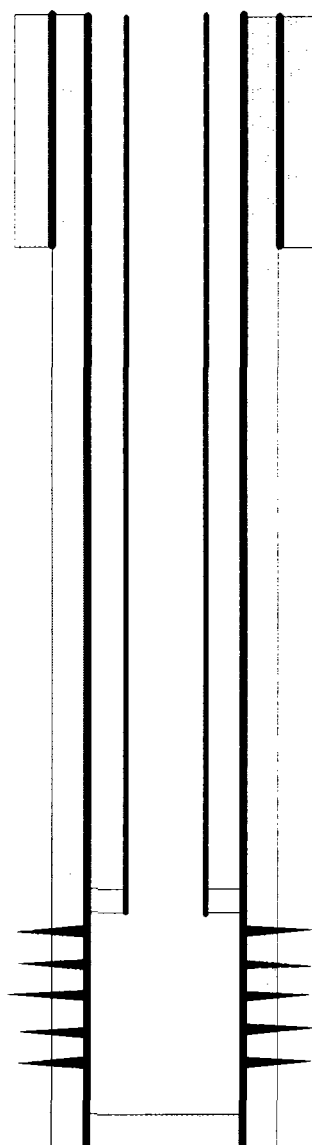
**III Well Data:**

- A. (1) Turner "B" #109  
480'FSL & 330'FWL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface  
Hole Size = 12 1/4"
- Production Casing:  
5 1/2" 15.5# J-55 LT&C @ 3750'. TOC @ surface  
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2900'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2950'- 3650'(OA). **The injection interval is 2950'- 3650'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2950'- 3650' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

**DEVON ENERGY OPERATING CORPORATION**  
**WELLBORE SCHEMATIC**

WELL NAME: TURNER "B" #109			FIELD: GRAYBURG-JACKSON			
LOCATION: 480°FSL & 330°FWL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK			SPUD DATE:		COMP DATE:	
API#: 30-015-		PREPARED BY: C.H. CARLETON			DATE: 12/27/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3750'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



**CURRENT**

 PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, CEMENT TO SURFACE.

**INJECTION INTERVAL: 2950'- 3650'**

BAKER AD-1 PACKER @ 2900'

PERFORATIONS: 2950'- 3650' (OA)

5 1/2" CASING, CEMENT TO SURFACE.  
TD @ 3750'

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

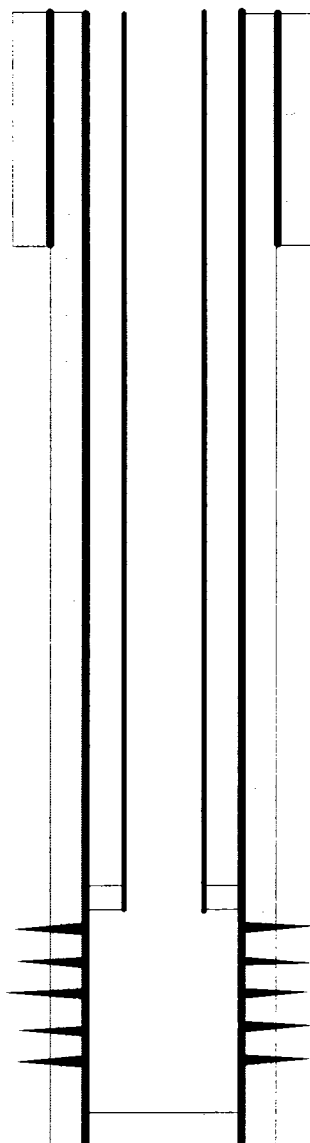
**III Well Data:**

- A. (1) Turner "B" #110  
330'FSL & 1700'FWL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface  
Hole Size = 12 1/4"
- Production Casing:  
5 1/2" 15.5# J-55 LT&C @ 3750'. TOC @ surface  
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2900'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2950'- 3650'(OA). **The injection interval is 2950'- 3650'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2950'- 3650' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #110			FIELD: GRAYBURG-JACKSON			
LOCATION: 330'FSL & 1700'FWL, SEC 30-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK			SPUD DATE:		COMP DATE:	
API#: 30-015-		PREPARED BY: C.H. CARLETON			DATE: 12/27/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3750'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, CEMENT TO SURFACE.

INJECTION INTERVAL: 2950' - 3650'

BAKER AD-1 PACKER @ 2900'

PERFORATIONS: 2950' - 3650' (OA)

5 1/2" CASING, CEMENT TO SURFACE.  
TD @ 3750'

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

**III Well Data:**

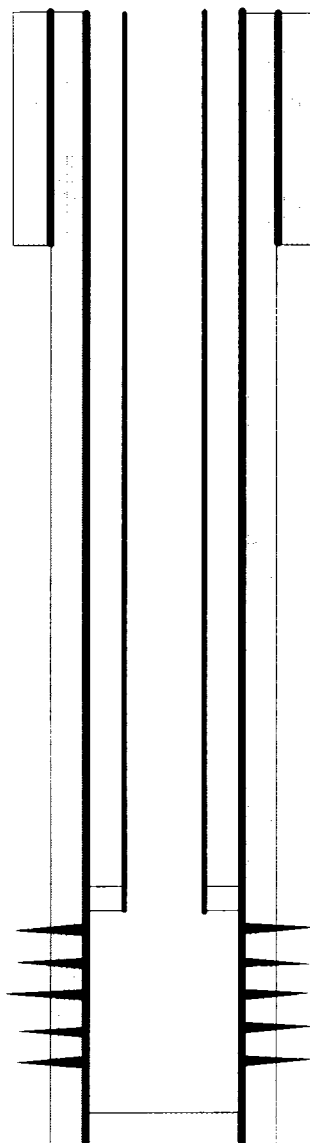
- A. (1) Turner "B" #111  
330'FSL & 1825'FEL  
Section 30-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface  
Hole Size = 12 1/4"
- Production Casing:  
5 1/2" 15.5# J-55 LT&C @ 3750'. TOC @ surface  
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 2900'.
- (4) 5 1/2" Baker AD-1 tension packer set at 2900'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 2950'- 3650'(OA). **The injection interval is 2950'- 3650'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 2950'- 3650' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #111		FIELD: GRAYBURG-JACKSON	
LOCATION: 330'FSL & 1825'FEL, SEC 30-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=UNK; KB=UNK		SPUD DATE:	COMP DATE:
API#: 30-015-	PREPARED BY: C.H. CARLETON		DATE: 12/27/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3750'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 2900'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

☒ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, CEMENT TO SURFACE.

INJECTION INTERVAL: 2950' - 3650'

BAKER AD-1 PACKER @ 2900'

PERFORATIONS: 2950' - 3650' (OA)

5 1/2" CASING, CEMENT TO SURFACE.

TD @ 3750'



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

**III Well Data:**

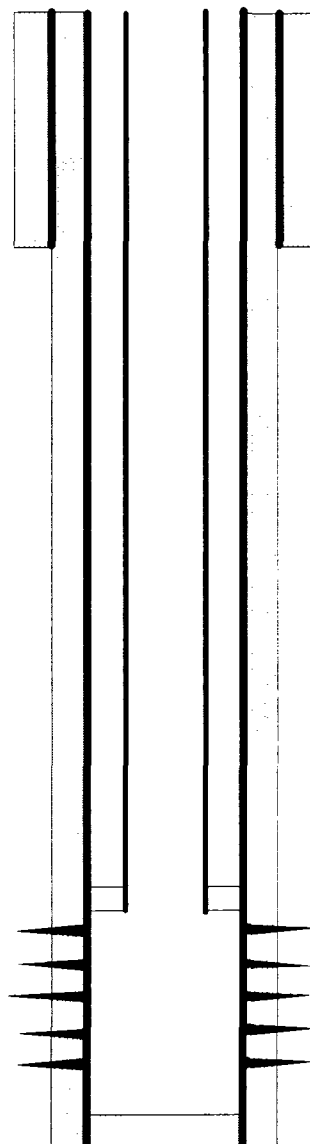
- A. (1) Turner "B" #133  
660'FSL & 1800'FWL  
Section 29-T17S-R31E  
Eddy County, NM
- (2) Surface Casing:  
8 5/8" 24# J-55 ST&C @ 425'. TOC @ surface  
Hole Size = 12 1/4"
- Production Casing:  
5 1/2" 15.5# J-55 LT&C @ 3800'. TOC @ surface  
Hole Size = 7 7/8"
- (3) Tubing will be 2 3/8" 4.7# J-55 EUE 8rd (IPC) set at 3050'.
- (4) 5 1/2" Baker AD-1 tension packer set at 3050'.
- B. (1) The injection formation will be the Grayburg/San Andres in the Grayburg-Jackson Field.
- (2) Water injection will be through perforations 3100'- 3700'(OA). **The injection interval is 3100'- 3700'.**
- (3) This well will be drilled and completed as an injection well, injecting into the Grayburg/San Andres formation.
- (4) Additional perforations may be added in the 3100'- 3700' interval.
- (5) The top of the Seven Rivers formation is at approximately 2300', there are no known lower oil zones

### III Well Data:

# DEVON ENERGY OPERATING CORPORATION

## WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #133				FIELD: GRAYBURG-JACKSON		
LOCATION: 660'FSL & 1800'FWL, SEC 29-T17S-R31E				COUNTY: EDDY		STATE: NM
ELEVATION: GL=UNK, KB=UNK				SPUD DATE:		COMP DATE:
API#: 30-015-		PREPARED BY: C.H. CARLETON			DATE: 12/27/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 425'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - 3800'	5 1/2"	15.5#	J-55	ST&C	7 7/8"
CASING:						
TUBING:	0' - 3050'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



☐ CURRENT

 PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**

8 5/8" CASING, CEMENT TO SURFACE.

**INJECTION INTERVAL: 3100'- 3700'**

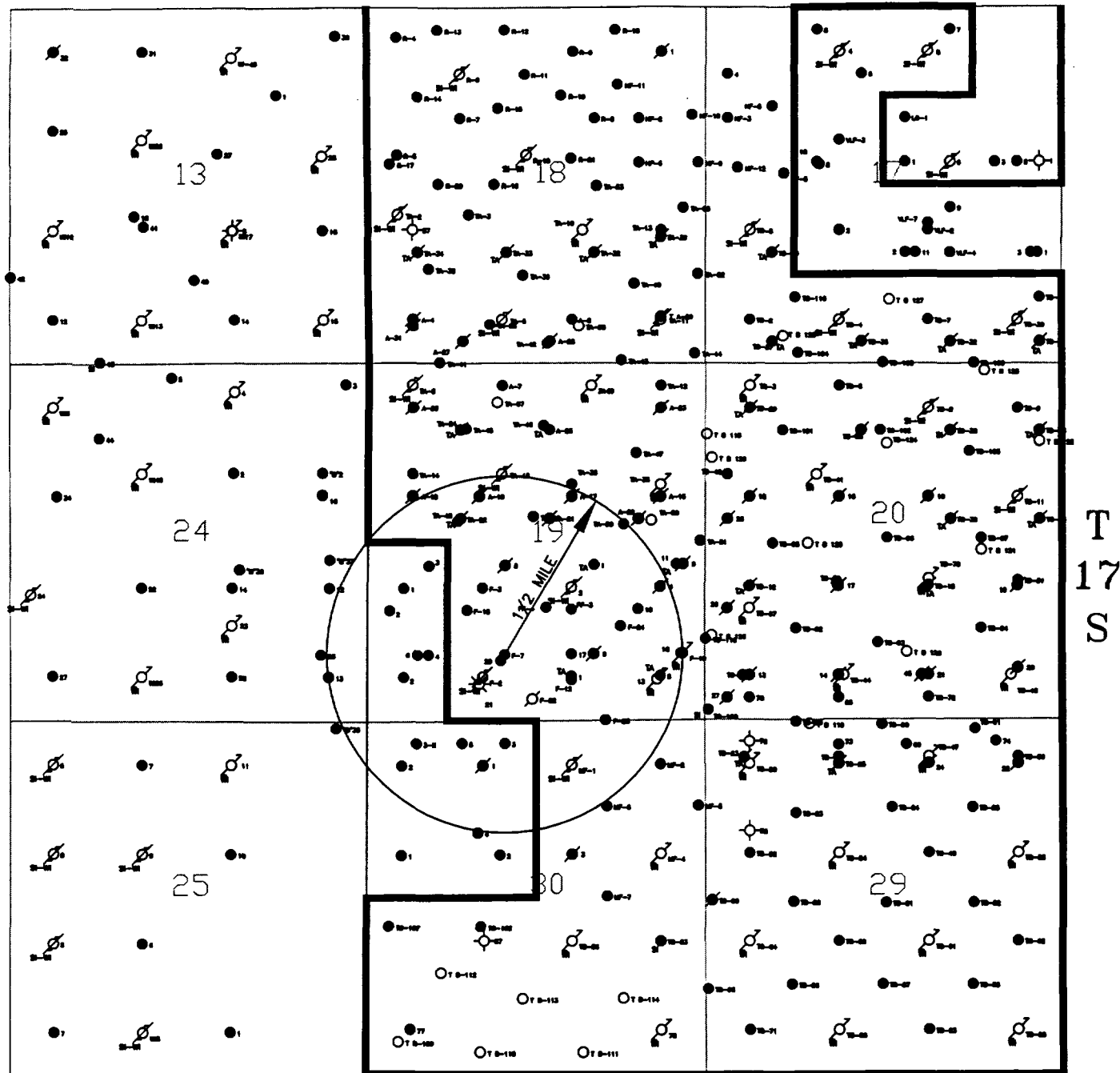
BAKER AD-1 PACKER @ 3050'

PERFORATIONS: 3100'- 3700' (OA)

5 1/2" CASING, CEMENT TO SURFACE.  
TD @ 3800'



R 31 E



GRAYBURG-JACKSON UNIT

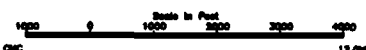


**devon**

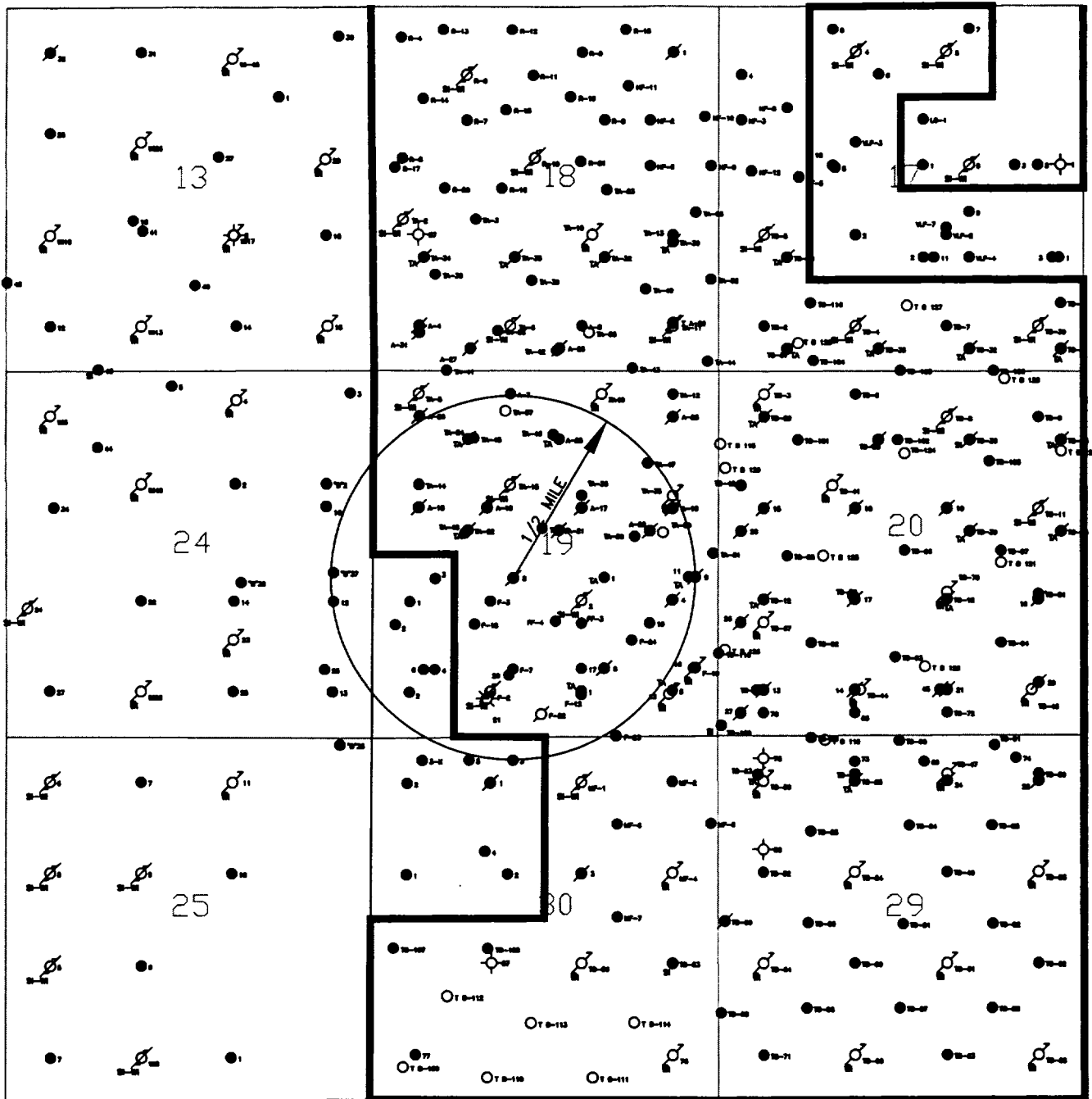
**GRAYBURG-JACKSON AREA**  
GRAY COUNTY, NEW MEXICO

FREN OIL COMPANY #7

11-24-77	

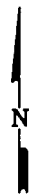


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GRAYBURG-JACKSON UNIT



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17E-3	
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17E-5	
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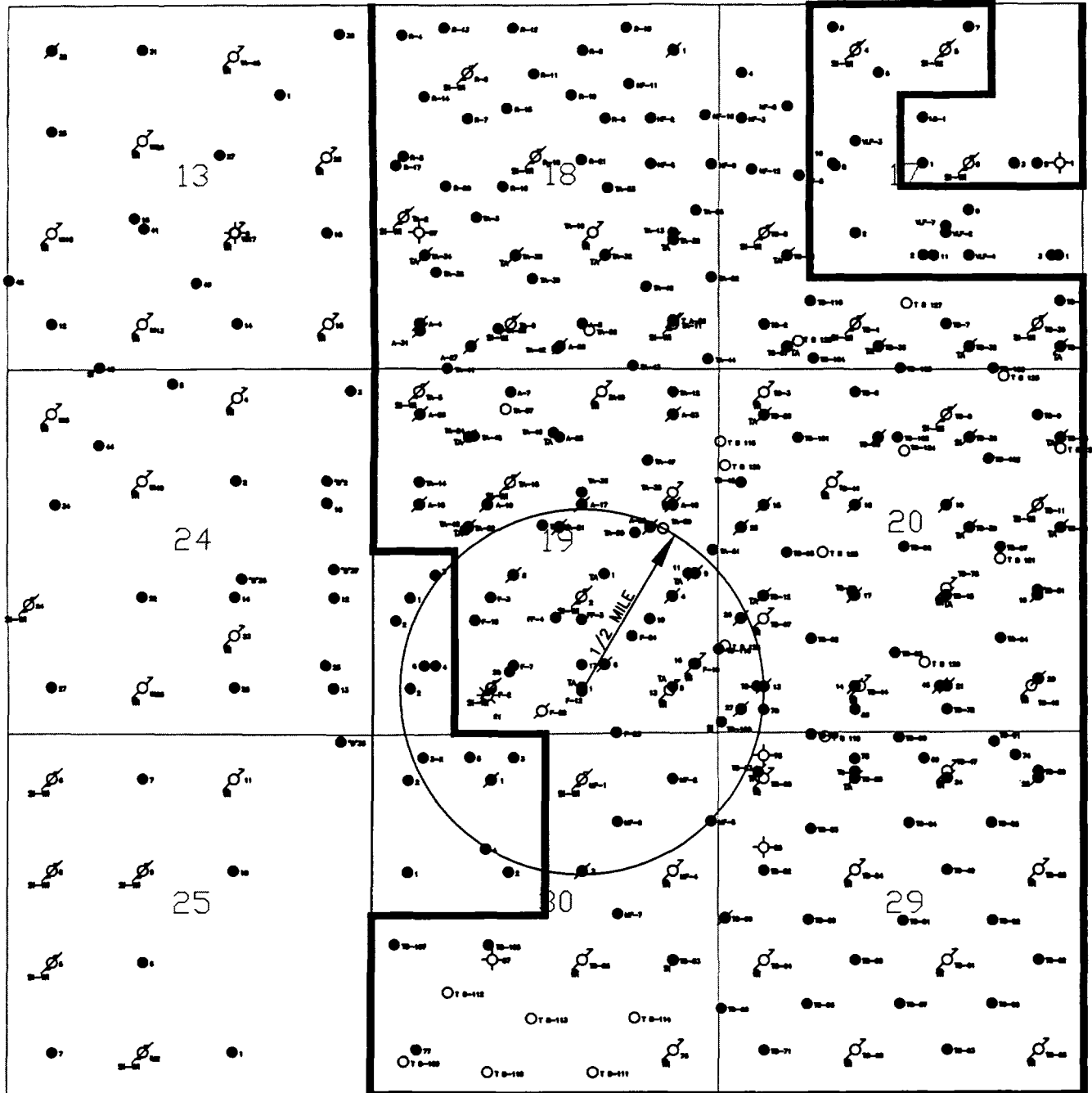
**GRAYBURG-JACKSON AREA**  
GRAY COUNTY, NEW MEXICO

FREN OIL COMPANY #8

Scale in Feet: 0 1000 2000 3000 4000

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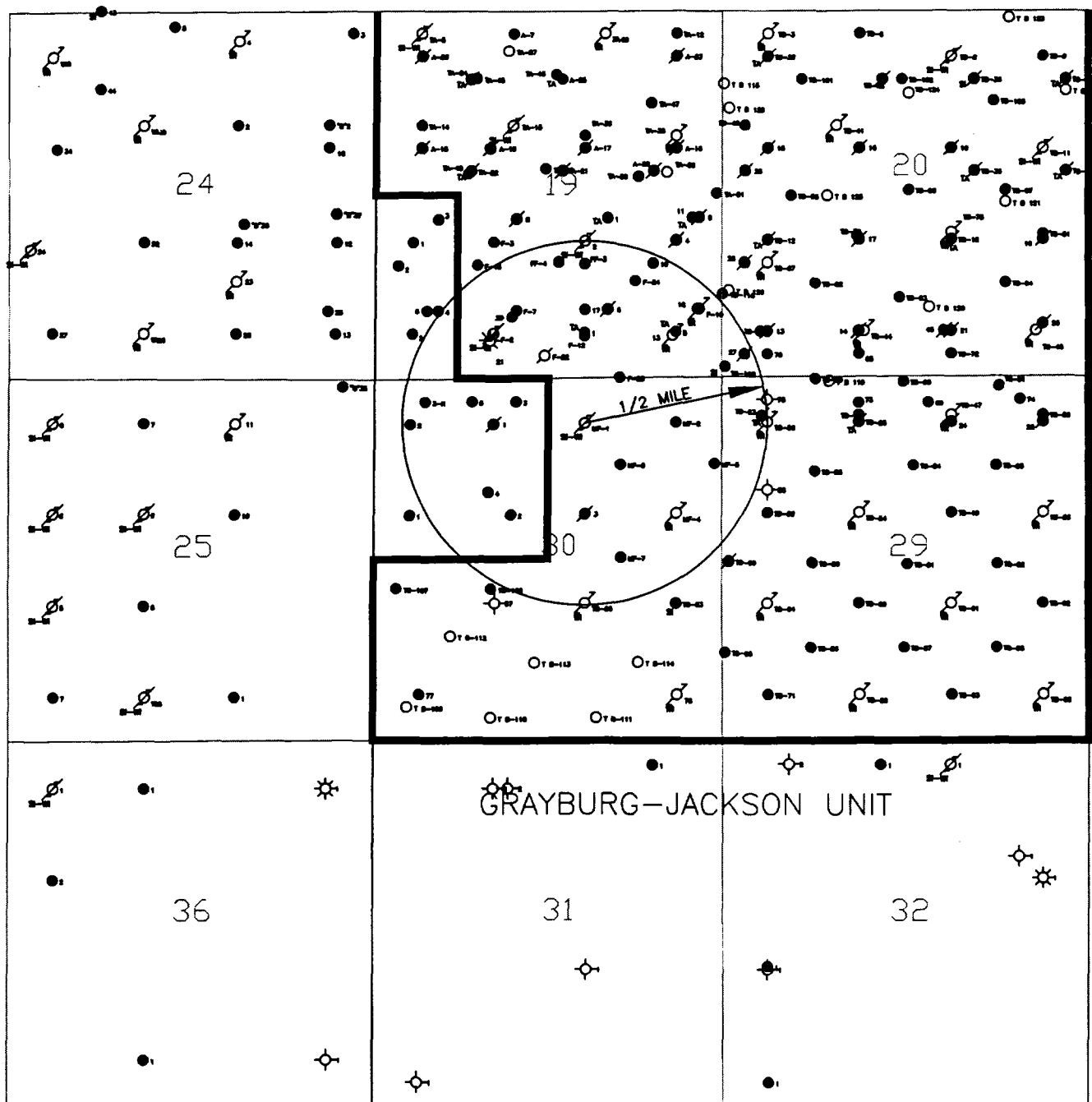
**GRAYBURG-JACKSON AREA**  
GRAY COUNTY, NEW MEXICO

FREN OIL COMPANY #12

Scale in Feet: 0 1000 2000 3000 4000

CHC 12/98

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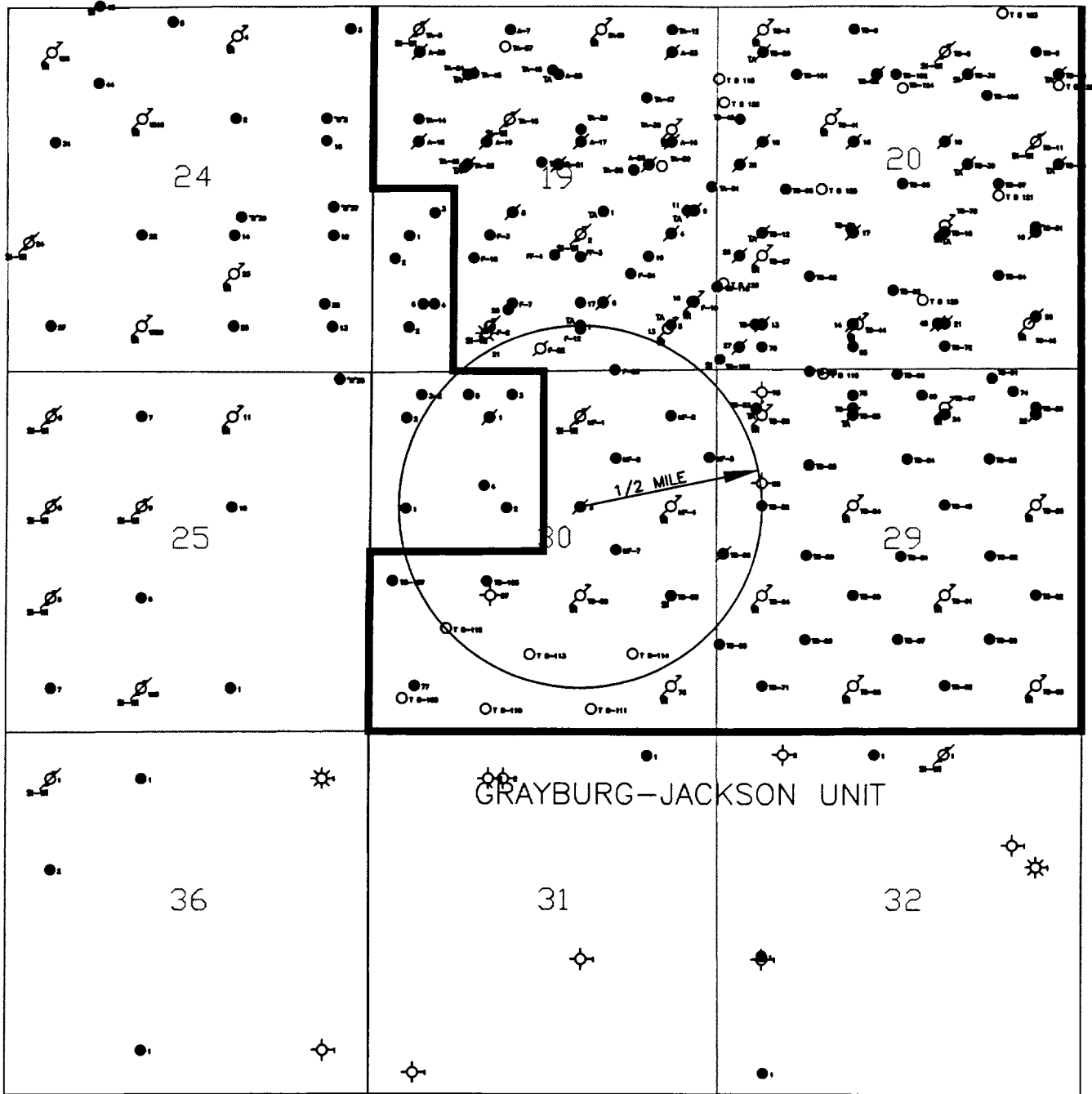
devon

GRAYBURG-JACKSON AREA  
SEMI COUNTY, NEW MEXICO

FRIESS MAX #1

Scale in Feet  
1000 2000 3000 4000  
CHC 12/96

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GRAYBURG-JACKSON UNIT



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1000	0	1000	2000	3000	4000

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

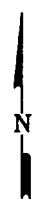
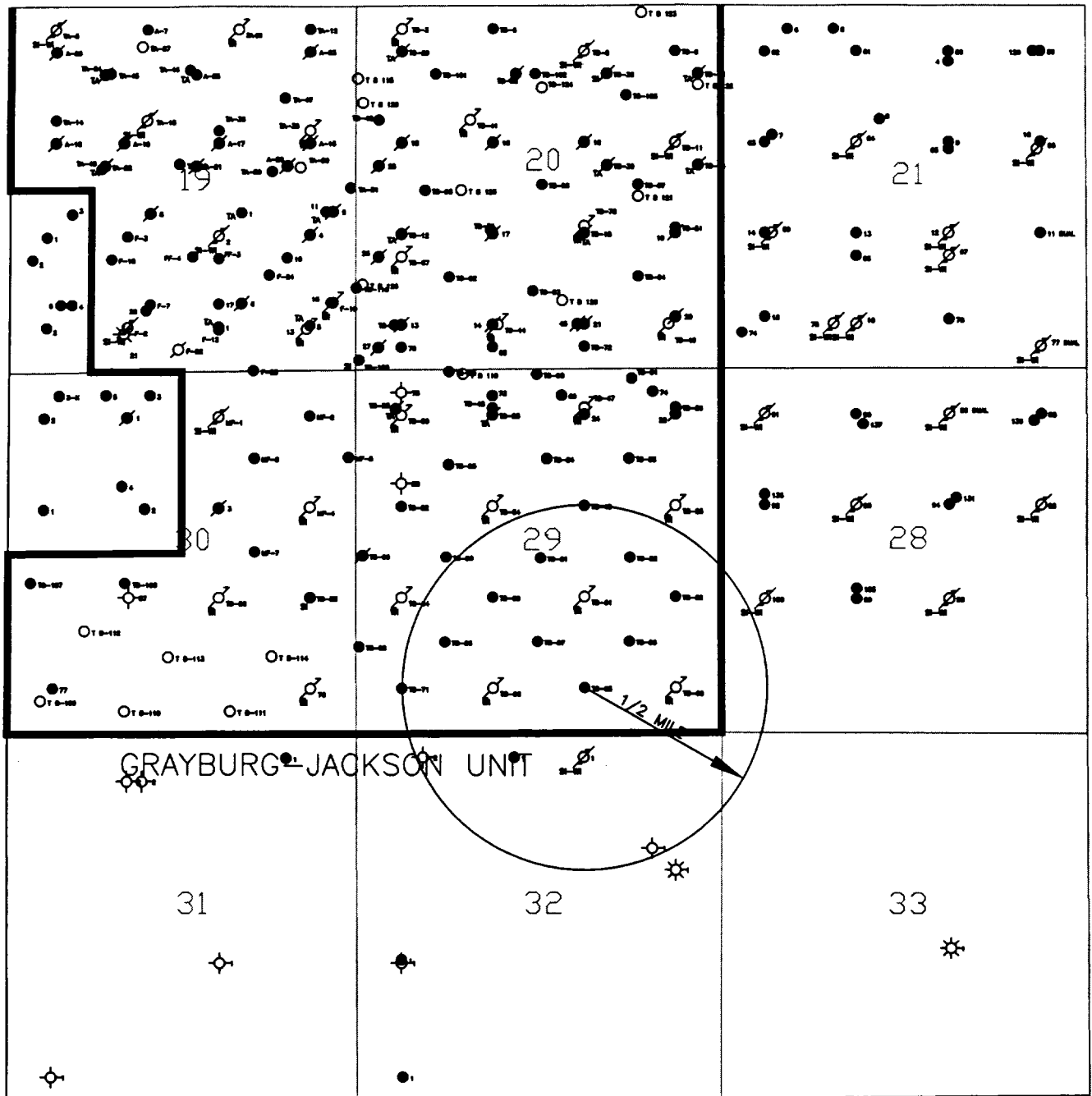
**FRIESS MAX #3**

Scale in Feet  
1000 0 1000 2000 3000 4000  
CHC 12/96



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**devon**

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

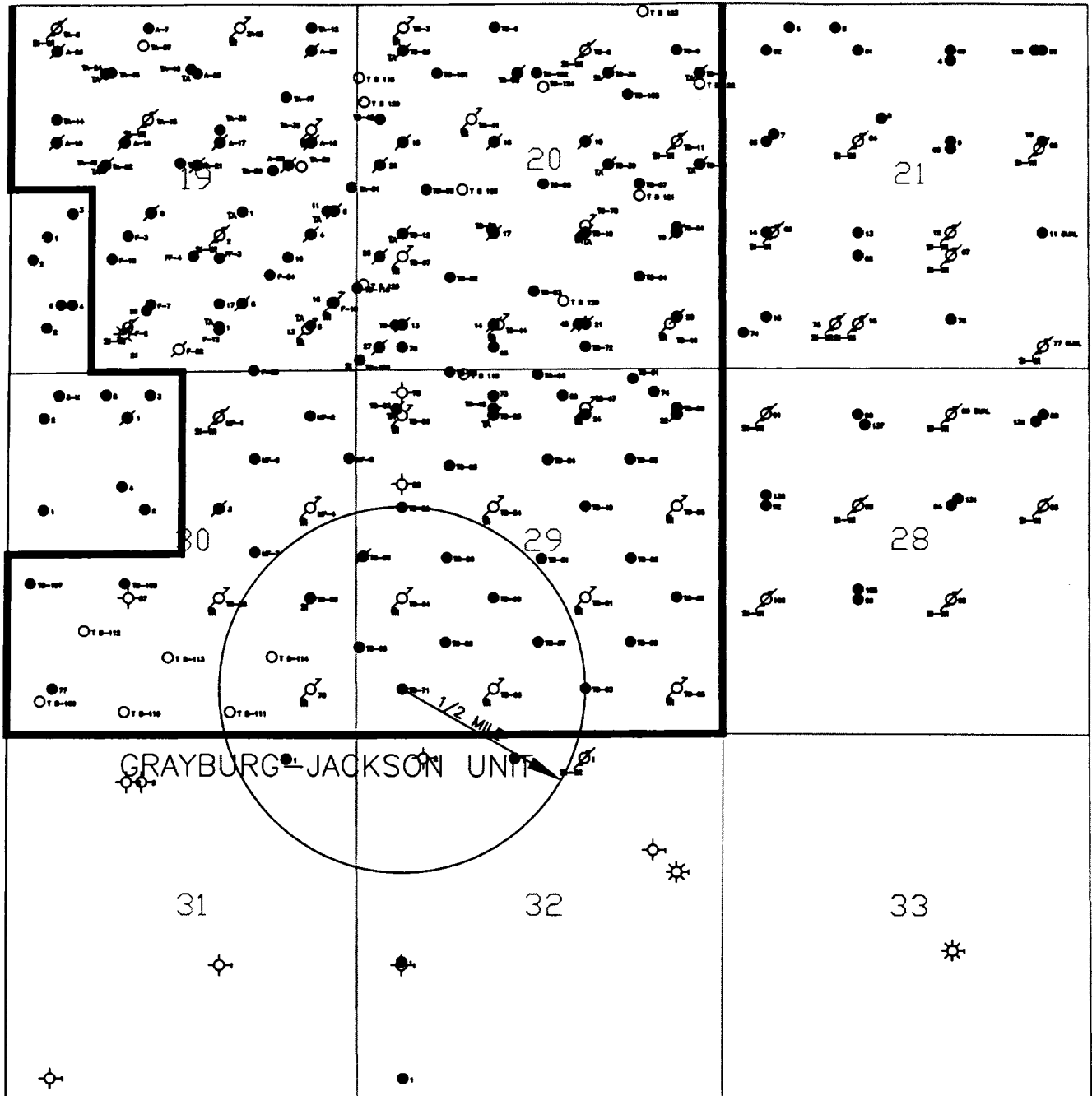
TURNER "B" #63

Scale in Feet  
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TH-8-71

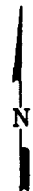
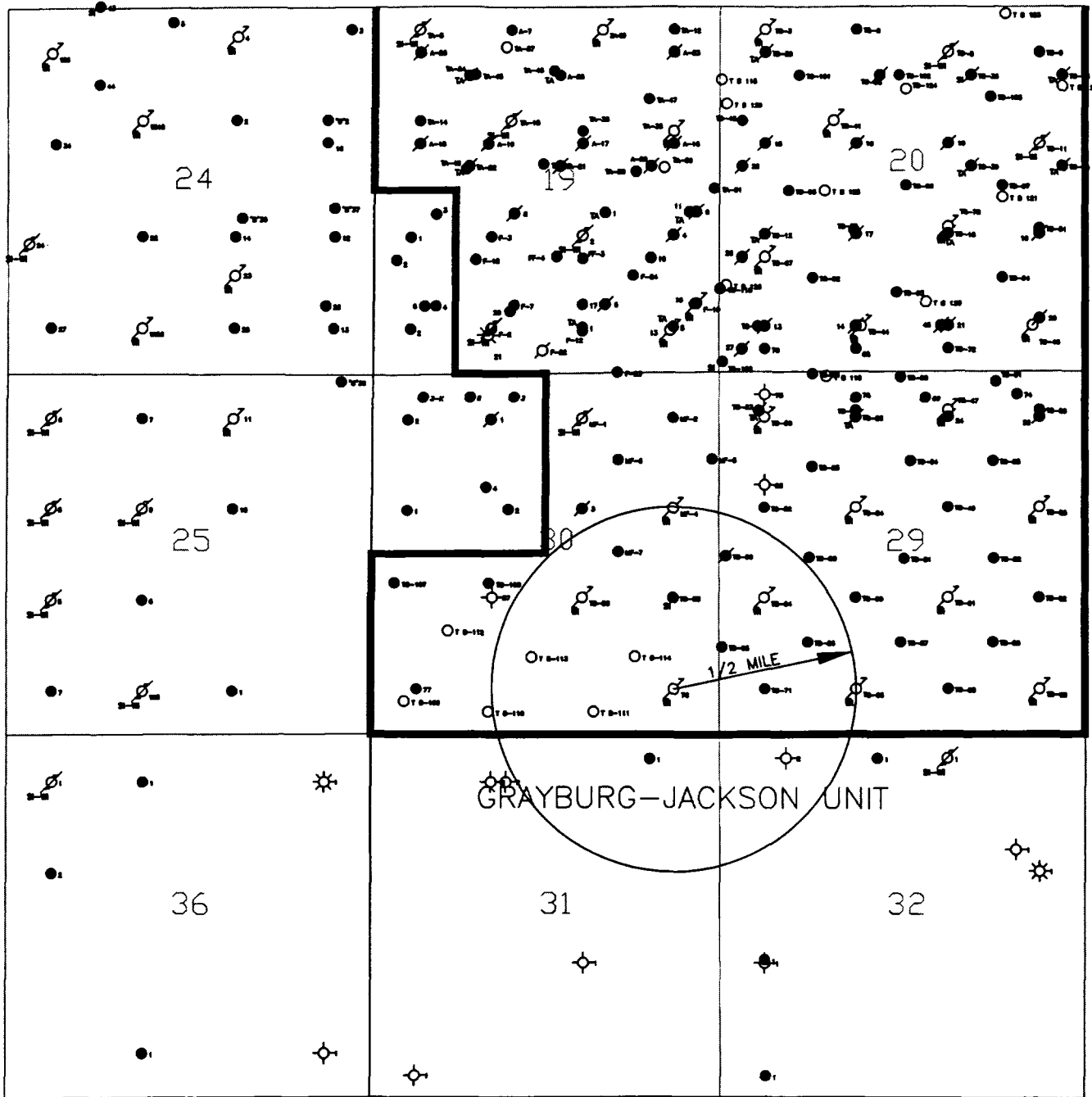
**devon**  
GRAYBURG-JACKSON AREA  
EMERY COUNTY, NEW MEXICO

TURNER "B" #71

Scale in Feet  
0 1000 2000 3000 4000

13/98

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IN-8-76

**devon**

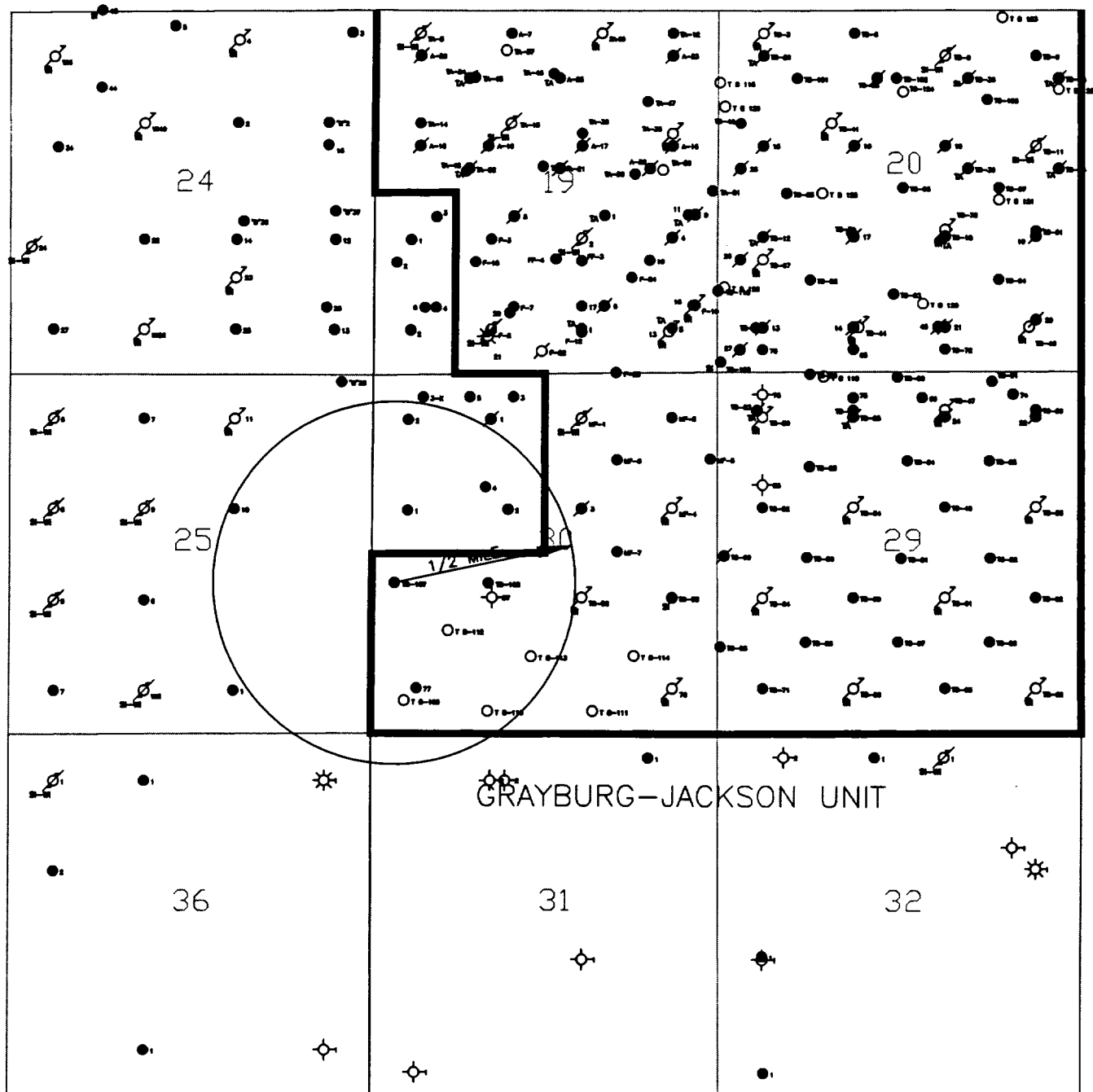
**GRAYBURG-JACKSON AREA**  
DEWY COUNTY, NEW MEXICO

TURNER "B" #76

Scale in Feet: 0 1000 2000 3000 4000

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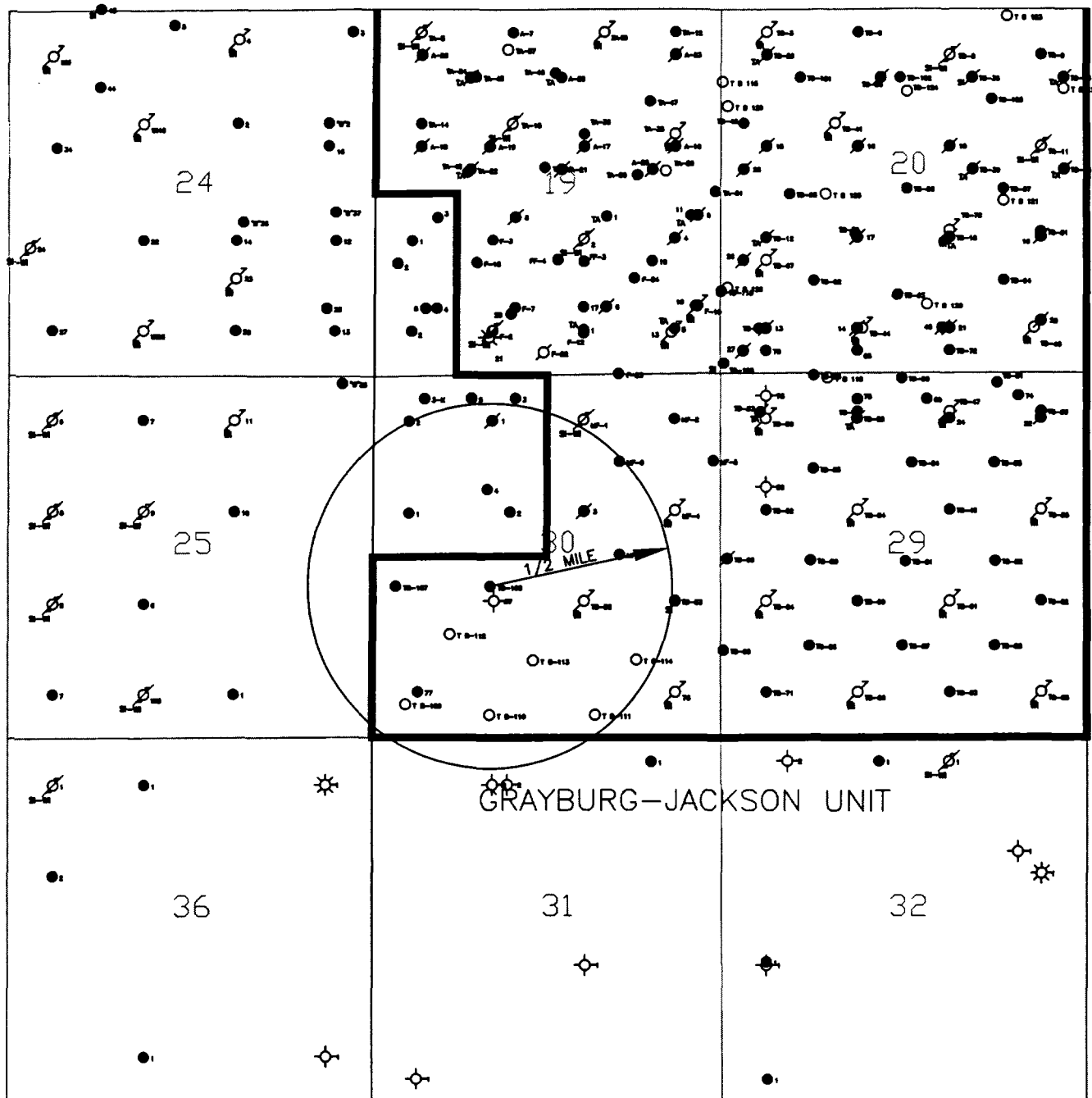
GRAYBURG-JACKSON AREA  
ESSEX COUNTY, NEW MEXICO

TURNER "B" #107

Scale in Feet  
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GRAYBURG-JACKSON UNIT

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GRAYBURG-JACKSON AREA  
ESSEX COUNTY, NEW MEXICO

TURNER "B" #108

Scale in Feet  
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GRAYBURG-JACKSON UNIT

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GRAYBURG-JACKSON AREA

EMERY COUNTY, NEW MEXICO

TURNER "B" #109

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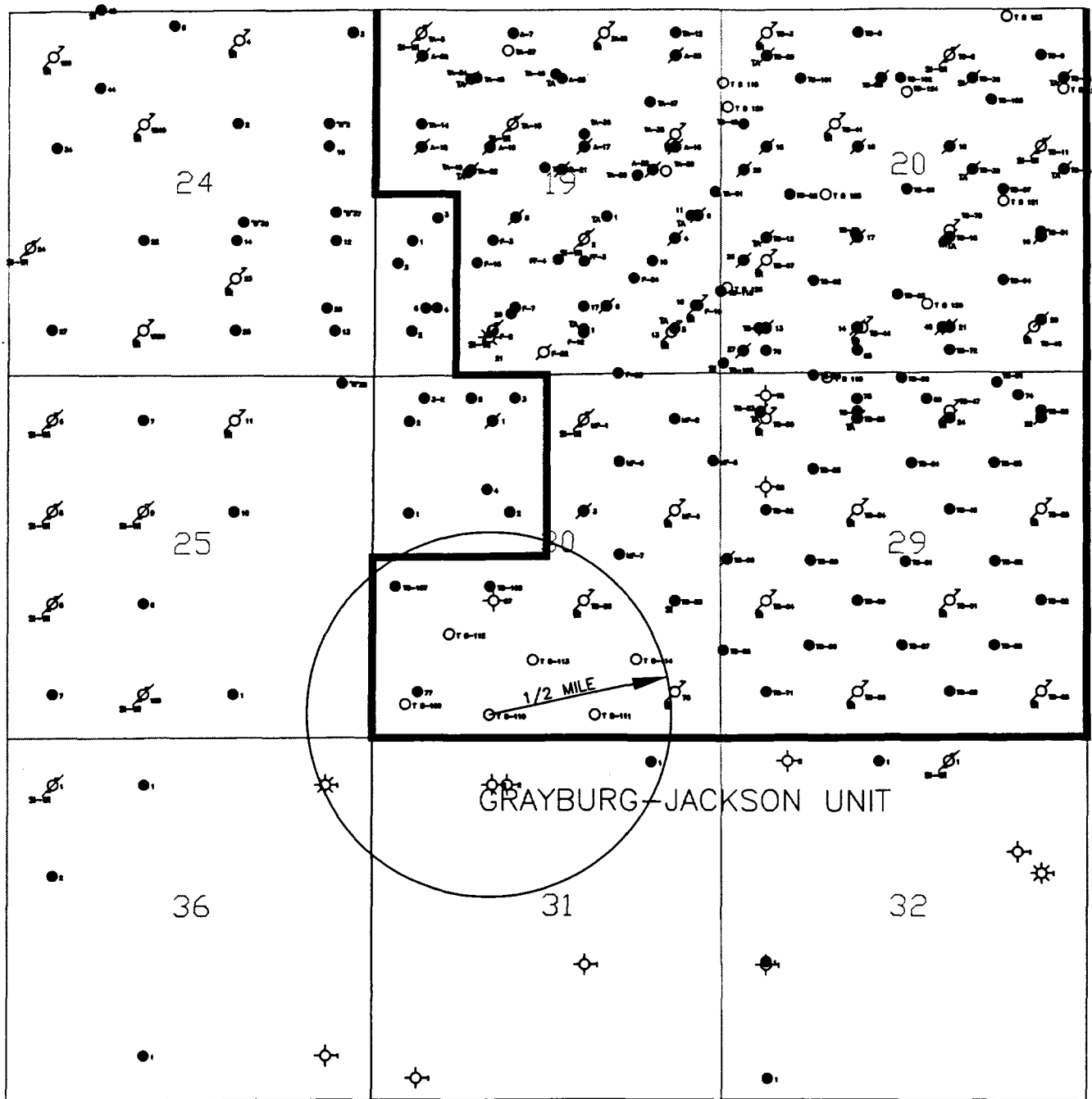
Scale in Feet 0 1000 2000 3000 4000

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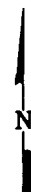
12/96

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GRAYBURG-JACKSON UNIT



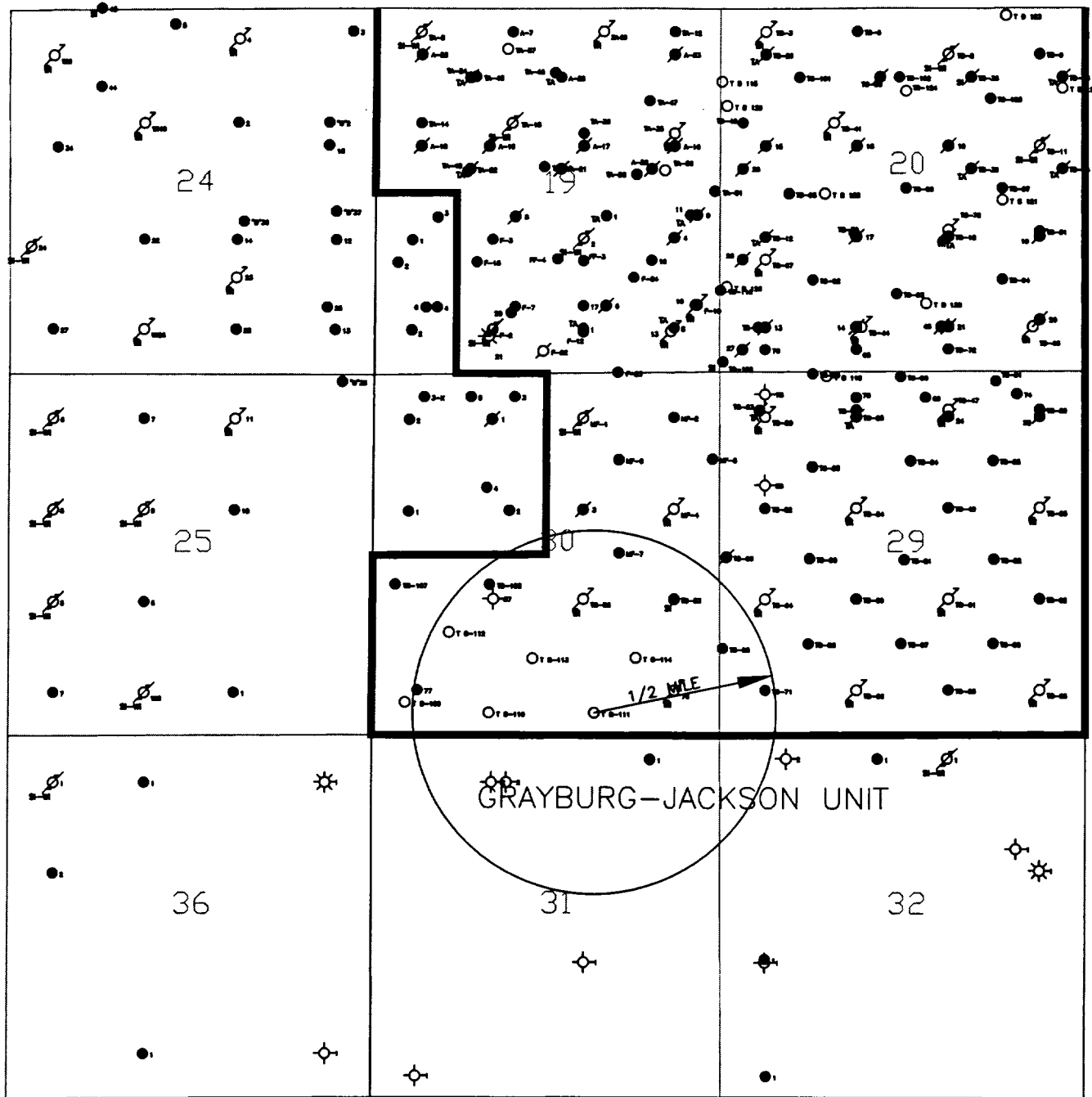
SECTION	WELL	DATE

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

**TURNER "B" #110**

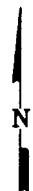
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GRAYBURG-JACKSON UNIT



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**devon**  
NEW ENERGY

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

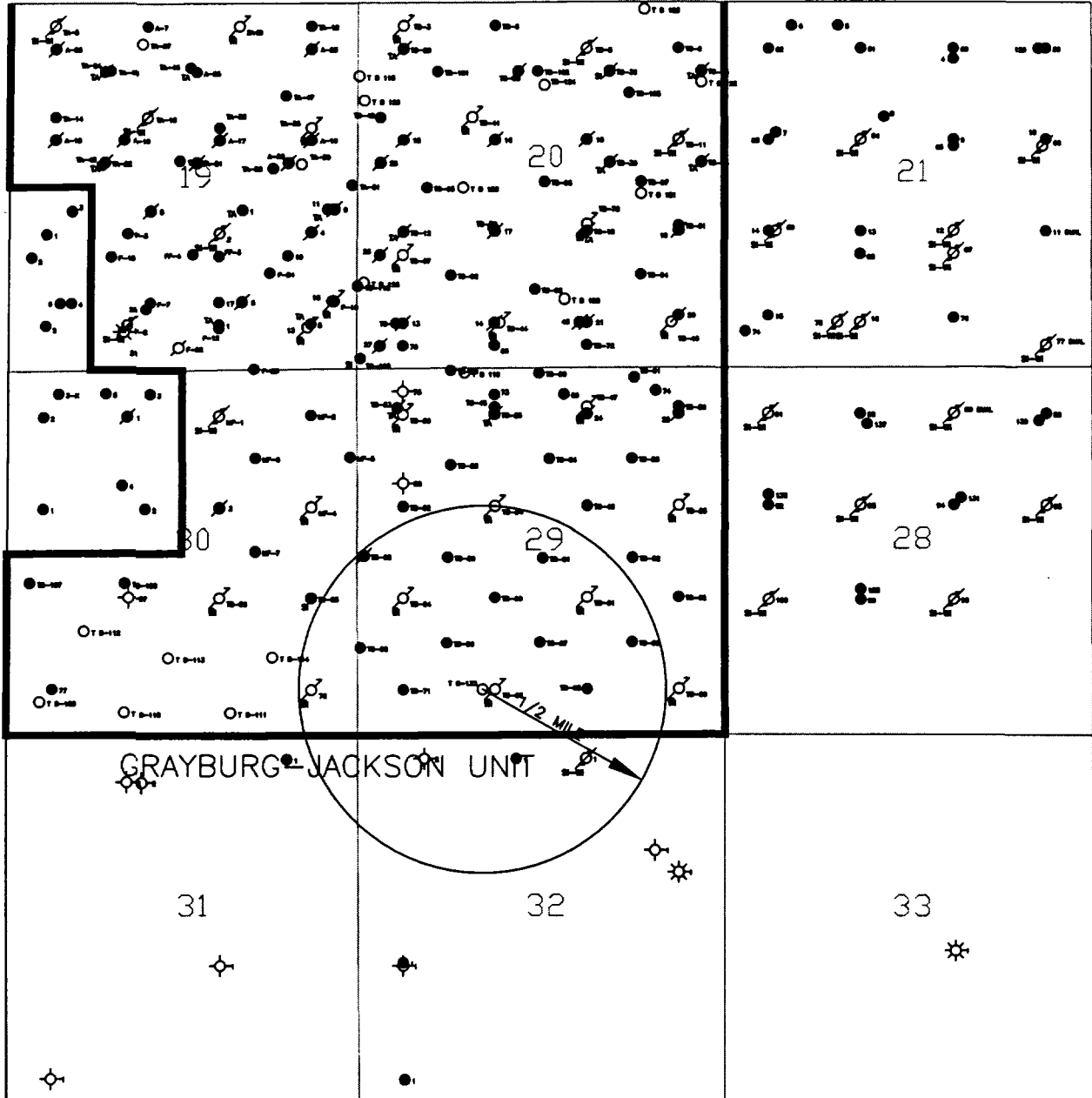
TURNER "B" #111

Scale in Feet: 0 1000 2000 3000 4000

12/98



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GRAYBURG-JACKSON UNIT



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**devon**

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

TURNER "B" #133

Scale in Feet  
0 1000 2000 3000 4000

12/95

**WELL LISTING "AREA OF REVIEW"**  
**GRAYBURG-JACKSON WATERFLOOD**  
**SOUTH LEASE LINE EXTENSION**

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
Fren Oil Company #1	19-T17S-R31E	Devon Energy Corp.	TA'd	
Fren Oil Company #2	19-T17S-R31E	Devon Energy Corp.	Inactive WIW	
Fren Oil Company #3	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Fren Oil Company #4	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Fren Oil Company #5	19-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Fren Oil Company #6	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Fren Oil Company #7	19-T17S-R31E	Devon Energy Corp.	Active Oil	Convert to WIW
Fren Oil Company #8	19-T17S-R31E	Devon Energy Corp.	P&A'd	Convert to WIW
Fren Oil Company #9	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Fren Oil Company #10	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Fren Oil Company #11	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Fren Oil Company #12	19-T17S-R31E	Devon Energy Corp.	Active Oil	Convert to WIW
Fren Oil Company #13	19-T17S-R31E	Devon Energy Corp.	Active WIW	
Fren Oil Company #16	19-T17S-R31E	Devon Energy Corp.	TA'd	
Fren Oil Company #17	19-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Fren Oil Company #18	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Fren Oil Company #19	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Fren Oil Company #20	19-T17S-R31E	Devon Energy Corp.	TA'd	
Fren Oil Company #21	19-T17S-R31E	Devon Energy Corp.	Active Gas	
Fren Oil Company #23	19-T17S-R31E	Devon Energy Corp.	Active Gas	
Fren Oil Company #24	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Friess Federal #1	19-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Friess Federal #2	19-T17S-R31E	Devon Energy Corp.	Inactive WIW	
Friess Federal #3	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Friess Federal #4	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Friess, Max #1	30-T17S-R31E	Devon Energy Corp.	Inactive WIW	Return to injection
Friess, Max #2	30-T17S-R31E	Devon Energy Corp.	Active Oil	
Friess, Max #3	30-T17S-R31E	Devon Energy Corp.	P&A'd	Convert to WIW
Friess, Max #4	30-T17S-R31E	Devon Energy Corp.	Active WIW	
Friess, Max #5	30-T17S-R31E	Devon Energy Corp.	Active Oil	
Friess, Max #6	30-T17S-R31E	Devon Energy Corp.	Active Oil	
Friess, Max #7	30-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #7	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #14	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #15	19-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "A" #16	19-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "A" #17	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #18	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #19	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #20	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #21	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #22	19-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "A" #24	19-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "A" #25	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #26	19-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "A" #35	19-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "A" #36	19-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "A" #45	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #46	19-T17S-R31E	Devon Energy Corp.	Active Oil	

**WELL LISTING "AREA OF REVIEW"**  
**GRAYBURG-JACKSON WATERFLOOD**  
**SOUTH LEASE LINE EXTENSION**

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
Turner "A" #47	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #48	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #49	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #50	19-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "A" #57	19-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "B" #13	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #23	29-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Turner "B" #26	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #27	20-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #43	20-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Turner "B" #49	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #50	29-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "B" #52	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #53	30-T17S-R31E	Devon Energy Corp.	Inactive Oil	
Turner "B" #54	29-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "B" #56	30-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "B" #58	29-T17S-R31E	Devon Energy Corp.	D & A	
Turner "B" #60	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #61	29-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "B" #62	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #63	29-T17S-R31E	Devon Energy Corp.	Active Oil	Convert to WIW
Turner "B" #64	29-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "B" #66	29-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #68	29-T17S-R31E	Devon Energy Corp.	Active WIW	
Turner "B" #70	20-T17S-R31E	Devon Energy Corp.	TA'd	
Turner "B" #71	29-T17S-R31E	Devon Energy Corp.	Active Oil	Convert to WIW
Turner "B" #75	29-T17S-R31E	Devon Energy Corp.	D & A	
Turner "B" #76	30-T17S-R31E	Devon Energy Corp.	P&A'd	Convert to WIW
Turner "B" #77	30-T17S-R31E	Devon Energy Corp.	P&A'd	
Turner "B" #80	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #81	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #82	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #86	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #87	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #88	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #98	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #99	29-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #100	20-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #107	30-T17S-R31E	Devon Energy Corp.	Active Oil	Convert to WIW
Turner "B" #108	30-T17S-R31E	Devon Energy Corp.	Active Oil	Convert to WIW
Turner "B" #109	30-T17S-R31E	Devon Energy Corp.	to be drilled	Proposed Injector
Turner "B" #110	30-T17S-R31E	Devon Energy Corp.	to be drilled	Proposed Injector
Turner "B" #111	30-T17S-R31E	Devon Energy Corp.	to be drilled	Proposed Injector
Turner "B" #118	20-T17S-R31E	Devon Energy Corp.	Active Oil	
Turner "B" #133	29-T17S-R31E	Devon Energy Corp.	to be drilled	Proposed Injector

**WELL LISTING "AREA OF REVIEW"**  
**GRAYBURG-JACKSON WATERFLOOD**  
**SOUTH LEASE LINE EXTENSION**

WELL NAME	LOCATION	OPERATOR	STATUS	REMARKS
		<b>OUTSIDE OPERATED</b>		
Cedar Lake #1	30-T17S-R31E	Mack Energy Corp	Active Oil	
Cedar Lake #2	30-T17S-R31E	Mack Energy Corp	Inactive Oil	
Cedar Lake #3-X	30-T17S-R31E	Mack Energy Corp	Active Oil	
El Paso State #1	36-T17S-R30E	Odessa Natural Corp.	P&A 'd	
Friess #1	30-T17S-R31E	Jack Plemons	Active Oil	
Friess #2	30-T17S-R31E	Jack Plemons	Active Oil	
Friess #3	30-T17S-R31E	Schuster-Schuster	P&A 'd	
Friess #4	30-T17S-R31E	Jack Plemons	Active Oil	
Friess #5	30-T17S-R31E	Jack Plemons	Active Oil	
Gulf-Premier Federal #1	31-T17S-R31E	Jack L. McClellan	P&A 'd	
Jackson "B" #10	25-T17S-R30E	Burnett Oil Company	Active Oil	
Jackson "B" #12	24-T17S-R30E	Burnett Oil Company	Active Oil	
Jackson "B" #13	24-T17S-R30E	Burnett Oil Company	Active Oil	
Jackson "B" #25	24-T17S-R30E	Burnett Oil Company	Active Oil	
Jackson "B" #35	25-T17S-R30E	Burnett Oil Company	Active Oil	
Jackson "B" #37	24-T17S-R30E	Burnett Oil Company	Active Oil	
Simon State #1	32-T17S-R31E	Ashmun & Hilliard	D & A	
Stagner #2	31-T17S-R31E	Schuster-Schuster	D & A	
State #1	19-T17S-R31E	Mack Energy Corp	Inactive Oil	
State #2	19-T17S-R31E	Mack Energy Corp	Active Oil	
State #3	19-T17S-R31E	Mack Energy Corp	Active Oil	
State #4	19-T17S-R31E	Mack Energy Corp	Active Oil	
State #5	19-T17S-R31E	Mack Energy Corp	Active Oil	
State #6	19-T17S-R31E	Mack Energy Corp	Active Oil	
State "M" #1	32-T17S-R31E	Me-Tex Oil & Gas, Inc.	Active Oil	
State "M" #2	32-T17S-R31E	James Brown & Assoc	D & A	
State "U" #1	32-T17S-R31E	Arco Oil & Gas, Inc.	P&A 'd	
Turner "B" #1	25-T17S-R30E	Byrd-Frost, Inc.	P&A'd	

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
FREN OIL COMPANY #1	660FSL & 1980FEL SEC 19-T17S-R31E EDDY COUNTY, NM	6/25/43	8/21/43	OIL PRODUCER	2030'/2030'	7" @ 507' W/50 SXS 5 1/2" @ 1850' W/100 SXS OPEN HOLE COMPLETION: 1850' - 2030' IP=44 BOPD TEMPORARILY ABANDONED
			8/20/71			
			11/29/43	OIL PRODUCER	1991'/1991'	8 5/8" @ 460' W/50 SXS 7" @ 1821' W/100 SXS OPEN HOLE COMPLETION: 1821' - 1991' IP=72 BOPD PERFORATE: 1942' - 1989(OA) - RETURN TO PRODUCTION DEEPEN OPEN HOLE TO 3116' 5 1/2" @ 3065' W/75 SXS OPEN HOLE COMPLETION: 3065' - 3116' - RETURN TO PRODUCTION DEEPEN OPEN HOLE TO 3181' CONVERT TO WATER INJECTION WELL
FREN OIL COMPANY #2	660FSL & 1980FWL SEC 19-T17S-R31E EDDY COUNTY, NM	10/2/43	3/30/50		3116'/3116'	
			12/22/54			
			7/3/72	WATER INJECTOR	3181'/3181'	
FREN OIL COMPANY #3	1980FSL & 1980FWL SEC 19-T17S-R31E EDDY COUNTY, NM	3/12/44	4/15/44	OIL PRODUCER	2002'/2002'	8 5/8" @ 482' W/50 SXS 7" @ 1802' W/100 SXS OPEN HOLE COMPLETION: 1802' - 2002' IP=145 BOPD DEEPEN OPEN HOLE TO 3134' 5 1/2" @ 3074' W/80 SXS - RETURN TO PRODUCTION PLUG BACK OPEN HOLE TO 3100' PERFORATE: 2950' - 3044(OA) - RETURN TO PRODUCTION
			7/1/55		3134'/3134'	
			8/9/72		3134'/3100'	
FREN OIL COMPANY #4	1980FSL & 660FEL SEC 19-T17S-R31E EDDY COUNTY, NM	12/8/43	1/21/44	OIL PRODUCER	2052'/2052'	8 5/8" @ 480' W/60 SXS 7" @ 1845' W/100 SXS OPEN HOLE COMPLETION: 1845' - 2052' IP=160 BOPD DEEPEN OPEN HOLE TO 3185' 5 1/2" @ 3178' W/85 SXS PERFORATE: 3020' - 3152(OA) - RETURN TO PRODUCTION SET BRIDGE PLUG @ 3170' PERFORATE: 2722' - 3152(OA) - RETURN TO PRODUCTION PLUGGED & ABANDONED
			12/18/58		3185'/3185'	
			5/14/64		3185'/3170'	
			7/8/77			

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
FREN OIL COMPANY #5	660'FSL & 660'FEL SEC 19-T17S-R31E EDDY COUNTY, NM	1/27/44	2/25/44	OIL PRODUCER	2023'/2023'	8 5/8" @ 485' W/50 SXS 7" @ 1806' W/100 SXS OPEN HOLE COMPLETION: 1806' - 2023' IP=152 BOPD TEMPORARILY ABANDONED
			8/20/71			
FREN OIL COMPANY #6	990'FSL & 1650'FEL SEC 19-T17S-R31E EDDY COUNTY, NM	8/10/46	9/9/46	OIL PRODUCER	2017'/2017'	8 5/8" @ 500' W/75 SXS 7" @ 1818' W/150 SXS OPEN HOLE COMPLETION: 1818' - 2020' IP=106 BOPD DEEPEN OPEN HOLE TO 3643' 4 1/2" LINER @ 1767' - 3643' W/295 SXS PERFORATE: 2911' - 3546'(OA) - RETURN TO PRODUCTION PLUGGED & ABANDONED
			2/20/64		3643'/3643'	
FREN OIL COMPANY #7	990'FSL & 2970'FEL SEC 19-T17S-R31E EDDY COUNTY, NM	10/19/46	10/13/75			
			11/19/46	OIL PRODUCER	2023'/2023'	8 5/8" @ 452' W/75 SXS 7" @ 1809' W/130 SXS OPEN HOLE COMPLETION: 1809' - 2023' IP=83 BOPD DEEPEN OPEN HOLE TO 3312' & PLUGGED BACK TO 3100' 4 1/2" @ 3094' W/150 SXS. TOC @ 2486'(CBL) PERFORATE: 2844' - 3071'(OA) - RETURN TO PRODUCTION CEMENT 4 1/2" - 7" ANNULUS FROM 2486' TO SURFACE RETURN TO PRODUCTION
			12/12/63		3312'/3100'	
			5/30/60			
FREN OIL COMPANY #8	2310'FSL & 2970'FEL SEC 19-T17S-R31E EDDY COUNTY, NM	11/27/46	12/28/46	OIL PRODUCER	2021'/2021'	8 5/8" @ 505' W/75 SXS 7" @ 1792' W/130 SXS OPEN HOLE COMPLETION: 1792' - 2021' IP=60 BOPD DEEPEN OPEN HOLE TO 3615' 4 1/2" @ 3578' W/465 SXS PERFORATE: 2755' - 3562'(OA) - RETURN TO PRODUCTION PLUGGED & ABANDONED
			4/30/64		3615'/3578'	
			3/24/76			

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
FREN OIL COMPANY #9	2310FSL & 330FEL SEC 19-T17S-R31E EDDY COUNTY, NM	2/6/47	4/28/47	OIL PRODUCER	3445'/3121'	8 5/8" @ 506' W/50 SXS 7" @ 2595' W/150 SXS OPEN HOLE COMPLETION: 2595' - 3121' IP=41 BOPD
			11/25/55			5 1/2" @ 2950' W/125 SXS
			11/17/76			OPEN HOLE COMPLETION: 2950' - 3121' - RETURN TO PRODUCTION PLUGGED & ABANDONED
FREN OIL COMPANY #10	990FSL & 330FEL SEC 19-T17S-R31E EDDY COUNTY, NM	1/5/47	1/31/47	OIL PRODUCER	2034'/2034'	8 5/8" @ 494' W/75 SXS 7" @ 1780' W/130 SXS OPEN HOLE COMPLETION: 1780' - 2034' IP=85 BOPD
			1/7/64		3308'/3255'	DEEPEN OPEN HOLE TO 3308'
			6/9/82			4 1/2" LINER @ 1715' - 3308' W/225 SXS PERFORATE: 2925' - 3248'(OA) - RETURN TO PRODUCTION PERFORATE: 3116' - 3171'(OA) - RETURN TO PRODUCTION
FREN OIL COMPANY #11	2310FSL & 430FEL SEC 19-T17S-R31E EDDY COUNTY, NM	2/6/47	6/4/47	OIL PRODUCER	2042'/2042'	8 5/8" @ 438' W/50 SXS 7" @ 1809' W/130 SXS OPEN HOLE COMPLETION: 1809' - 2042' IP=42 BOPD
FREN OIL COMPANY #12	610FSL & 1980FEL SEC 19-T17S-R31E EDDY COUNTY, NM	12/14/54	2/11/55	OIL PRODUCER	3141'/3141'	8 5/8" @ 499' W/50 SXS 7" @ 3080' W/125 SXS OPEN HOLE COMPLETION: 3080' - 3141' IP=630 BOPD
			6/8/82		3200'/3200'	DEEPEN OPEN HOLE TO 3200'
						PERFORATE: 3060' - 3070'(OA) - RETURN TO PRODUCTION

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
FREN OIL COMPANY #13	660FSL & 710FEL SEC 19-T17S-R31E EDDY COUNTY, NM	3/5/55	6/13/55	OIL PRODUCER	3337/3255'	8 5/8" @ 514' W/75 SXS 7" @ 3194' W/150 SXS OPEN HOLE COMPLETION: 3194'- 3255' IP=720 BOPD PERFORATE: 3153'- 3186'(OA) - CONVERT TO WATER INJECTION WELL PERFORATE: 3044'- 3052'(OA) - RETURN TO INJECTION CLEAN OUT OPEN HOLE TO 3333' - RETURN TO INJECTION
			6/22/72 6/22/82 9/18/92	WATER INJECTOR	3337/3333'	
FREN OIL COMPANY #16	990FSL & 355FEL SEC 19-T17S-R31E EDDY COUNTY, NM	8/24/61	9/16/61	OIL PRODUCER	7067/7067'	8 5/8" @ 1503' W/550 SXS. CEMENT TO SURFACE. 5 1/2" @ 7067' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 6972'- 6998'(OA) IP=80 BOPD SET CIBP @ 6918' - TEMPORARILY ABANDONED SPOT CEMENT PLUGS @ 6750'- 6916' & 1350'- 1450'
			1/14/71 6/3/80		7067/6916' 7067/1350'	
FREN OIL COMPANY #17	900FSL & 1980FEL SEC 19-T17S-R31E EDDY COUNTY, NM	12/1/61	1/1/62	OIL PRODUCER	7036/7007'	8 5/8" @ 1489' W/400 SXS. CEMENT TO SURFACE. 4 1/2" @ 7029' W/675 SXS. CEMENT TO SURFACE. PERFORATE: 6928'- 6982'(OA) IP=450 BOPD SET CIBP @ 6875' - TEMPORARILY ABANDONED
			1/19/71		7036/6875'	
FREN OIL COMPANY #18	1650FSL & 1750FWL SEC 19-T17S-R31E EDDY COUNTY, NM	1/2/62	5/11/62	OIL PRODUCER	7150/7120'	8 5/8" @ 1364' W/650 SXS. CEMENT TO SURFACE. 4 1/2" @ 7120' W/1200 SXS. TOC @ 1435'(CBL) PERFORATE: 7011'- 7022'(OA) IP=192 BOPD SQUEEZE PERFORATIONS W/200 SXS SET CIBP @ 3257' & CAP WITH CEMENT TO 3200' PERF & SQZ'D 4 1/2" CASING @ 1400'- 1402' W/550 SXS. CMT TO SURFACE. PERFORATE: 2975'- 3104'(OA) - RETURN TO PRODUCTION
			10/27/78		7150/3200'	
FREN OIL COMPANY #19	1650FSL & 990FEL SEC 19-T17S-R31E EDDY COUNTY, NM	3/11/62	4/2/62	OIL PRODUCER	7100/7096'	8 5/8" @ 1391' W/675 SXS. CEMENT TO SURFACE. 4 1/2" @ 7100' W/1935 SXS. TOC @ 2354'(CBL) PERFORATE: 7026'- 7095'(OA) IP=182 BOPD PERFORATE @ 2320', 1800', & 1415' AND SQUEEZE W/700 SXS. RETURN TO PRODUCTION
			4/22/80			



VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
FREN OIL COMPANY #20	900'FSL & 1980'FWL SEC 19-T17S-R31E EDDY COUNTY, NM	5/27/62	6/17/62	OIL PRODUCER	7115/7113'	9 5/8" @ 1439' W/750 SXS. CEMENT TO SURFACE. 4 1/2" @ 7113' W/1200 SXS. CEMENT TO SURFACE. PERFORATE: 6928'- 7086'(OA) IP=226 BOPD
			1/16/71 5/26/80		7115'/6868' 7115'/2000'	SET CIBP @ 6868' - TEMPORARILY ABANDONED PERF & SQUEEZE @ 2110' W/1250 SXS. TOC @ 1910'(TEMP SURVEY) SPOT CEMENT PLUG @ 2000' - 2200' - TEMPORARILY ABANDONED
FREN OIL COMPANY #21	560'FSL & 1930'FWL SEC 19-T17S-R31E EDDY COUNTY, NM	3/27/65	6/17/65	GAS PRODUCER	12,299/11,500'	13 3/8" @ 369' W/300 SXS. CEMENT TO SURFACE. 9 5/8" @ 3210' W/600 SXS. CEMENT TO SURFACE. 7" @ 12,275' W/575 SXS. SET CIBP @ 11,500' PERFORATE: 6944'- 6996'(OA) "ABO ZONE" PERFORATE: 11,142'- 11,218'(OA) "MORROW ZONE" COMPLETED AS A DUAL GAS WELL SQUEEZE OFF ABO PERFORATIONS W/200 SXS PERFORATE & SQUEEZE @ 5768'- 5770' W/250 SXS PERFORATE & SQUEEZE @ 5050'- 5052' W/720 SXS. CEMENT TO SURFACE. SQUEEZED CASING LEAKS 8170'- 8385'(OA) W/150 SXS RETURN TO PRODUCTION (MORROW ZONE ONLY)
			1/7/81			
FREN OIL COMPANY #23	10'FSL & 1475'FEL SEC 19-T17S-R31E EDDY COUNTY, NM	6/12/96	8/9/96	OIL PRODUCER	3735/3687'	8 5/8" @ 396' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3734' W/1574 SXS. TOC @ 150'(CBL) PERFORATE: 2876'- 3269" (OA) IP=125 BOPD
FREN OIL COMPANY #24	1400'FSL & 1250'FEL SEC 19-T17S-R31E EDDY COUNTY, NM	7/20/96	8/20/96	OIL PRODUCER	3610/3563'	8 5/8" @ 391' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3609' W/1050 SXS. CEMENT TO SURFACE. PERFORATE: 2745'- 3327'(OA) IP=184 BOPD

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
FRIESS FEDERAL #1	2310FSL & 1650FEL SEC 19-T17S-R31E EDDY COUNTY, NM	9/15/41	4/15/42	OIL PRODUCER	3520'/2870'	8 1/4" @ 465' W/50 SXS 7" @ 2719' W/100 SXS OPEN HOLE COMPLETION: 2719' - 2870' IP=35 BOPD
			2/16/67 8/13/69		3520'/3470' 3520'/2431'	CLEAN OUT OPEN HOLE TO 3470' - RETURN TO PRODUCTION 7" CASING COLLAPSED @ 2442' SET CIBP @ 2431'
			11/27/72			PERFORATE: 1901' - 1974(OA) - RETURN TO PRODUCTION TEMPORARILY ABANDONED
			9/1/44	OIL PRODUCER	1970'/1970'	8 1/4" @ 470' W/50 SXS 7" @ 1804' W/100 SXS OPEN HOLE COMPLETION: 1804' - 1970' IP=85 BOPD
FRIESS FEDERAL #2	1980FSL & 1980FEL SEC 19-T17S-R31E EDDY COUNTY, NM	7/18/44	6/23/55		3110'/3110'	DEEPEN OPEN HOLE TO 3110'
			1/27/67 7/5/72	WATER INJECTOR	3255'/3255' 3255'/3122'	5 1/2" @ 2981' W/45 SXS. TOC @ 2300'(TEMP SURVEY) OPEN HOLE COMPLETION: 2981' - 3110' - RETURN TO PRODUCTION DEEPEN OPEN HOLE TO 3255' - RETURN TO PRODUCTION PLUG BACK OPEN HOLE TO 3122' - CONVERT TO WATER INJECTION WELL
			7/13/62	OIL PRODUCER	7095'/7040'	8 5/8" @ 1405' W/200 SXS 5 1/2" @ 7085' W/850 SXS. TOC @ 1454'(TEMP SURVEY) PERFORATE: 7060' - 7070'(OA) IP=984 BOPD
FRIESS FEDERAL #3	1650FSL & 1980FEL SEC 19-T17S-R31E EDDY COUNTY, NM	5/23/62	5/17/63 4/5/65			PERFORATE: 6955' - 7046(OA) - RETURN TO PRODUCTION SQUEEZE OFF ALL EXISTING PERFORATIONS W/150 SXS PERFORATE: 6955' - 7005(OA) - RETURN TO PRODUCTION DRILL OUT WELLBORE TO TD @ 7095'
			7/8/69		7095'/7095'	PERFORATE: 6959' - 7095(OA) - 5 1/2" CASING RUPTURED @ 3541'
			6/23/70		7095'/3269'	SET CIBP @ 3269' AND CAP WITH CEMENT PERFORATE: 2814' - 3178(OA) - RETURN TO PRODUCTION
FRIESS FEDERAL #4	1680FSL & 2650FWL SEC 19-T17S-R31E EDDY COUNTY, NM	5/29/96	7/6/96	OIL PRODUCER	3720'/3672'	8 5/8" @ 390' W/375 SXS. CEMENT TO SURFACE. 5 1/2" @ 3719' W/1350 SXS. CEMENT TO SURFACE. PERFORATE: 2734' - 3322(OA) IP=147 BOPD

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FRIESS, MAX #1	660FNL & 1980FEL SEC 30-T17S-R31E EDDY COUNTY, NM	12/14/43	3/6/44	OIL PRODUCER	2057'/2057'	8 1/4" @ 524' W/50 SXS 7" @ 1852' W/100 SXS OPEN HOLE COMPLETION: 1852' - 2057' IP=10 BOPD DEEPEN OPEN HOLE TO 3200'. PLUGGED BACK TO 2050'. RETURN TO PRODUCTION DEEPEN OPEN HOLE TO 3437' 5 1/2" @ 2830' W/100 SXS. TOC @ 1980'(TEMP SURVEY) OPEN HOLE COMPLETION: 2830' - 3437' - RETURN TO PRODUCTION 2 7/8" LINER @ 2615' - 3423' W/155 SXS PERFORATE: 3108' - 3237'(OA) - CONVERT TO WATER INJECTION WELL
			2/25/55		3200'/2050'	
			10/1/57		3437'/3437'	
			7/11/72	WATER INJECTOR	3437'/3423'	
FRIESS, MAX #2	660FNL & 660FEL SEC 30-T17S-R31E EDDY COUNTY, NM	4/26/57	6/13/57	OIL PRODUCER	3300'/3286'	10 3/4" @ 582' W/100 SXS 7" @ 3300' W/100 SXS. TOC @ 2375'(TEMP SURVEY) PERFORATE: 3264' - 3276'(OA) IP=206 BOPD PERFORATE: 3098' - 3128'(OA) - RETURN TO PRODUCTION PERFORATE: 3191' - 3212'(OA) - RETURN TO PRODUCTION SET CIBP @ 3050' CAP WITH 35 SXS CEMENT PERFORATE & SQUEEZE @ 2150' W/125 SXS. TOC @ 2030' PERFORATE & SQUEEZE @ 1800' W/125 SXS. PERFORATE: 1985' - 2035'(OA) - SHUT WELL IN CLEAN OUT WELLBORE TO 3286' - RETURN TO PRODUCTION
			9/24/58			
			9/9/73			
			1/30/86		3300'/3015'	
FRIESS, MAX #3	1980FNL & 1980FEL SEC 30-T17S-R31E EDDY COUNTY, NM	7/1/57	11/11/90		3300'/3286'	10 3/4" @ 586' W/100 SXS 7" @ 3451' W/100 SXS. TOC @ 2400'(TEMP SURVEY) PERFORATE: 2908' - 3274'(OA) IP=264 BOPD PERFORATE: 3379' - 3392'(OA) - RETURN TO PRODUCTION PERFORATE: 3382' - 3396'(OA) - TEMPORARILY ABANDONED SET CIBP @ 2846' PLUGGED & ABANDONED
			8/13/57	OIL PRODUCER	3451'/3420'	
			2/22/60			
			5/20/62			
			8/3/78			
			8/13/79		3451'/2846'	

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FRIESS, MAX #4	1980FNL & 660FEL SEC 30-T17S-R31E EDDY COUNTY, NM	8/26/57	10/6/57	OIL PRODUCER	3397/3379'	10 3/4" @ 614' W/100 SXS 7" @ 3396' W/100 SXS. TOC @ 2210'(TEMP SURVEY) PERFORATE: 3358- 3368(OA) IP=232 BOPD PERFORATE: 3220- 3240(OA) - RETURN TO PRODUCTION SET CIBP @ 3300' - CONVERT TO WATER INJECTION WELL CLEAN OUT WELLBORE TO 3390' PERFORATE: 2903- 3390(OA) - RETURN TO INJECTION
FRIESS, MAX #5	1270FNL & 100FEL SEC 30-T17S-R31E EDDY COUNTY, NM	3/12/91	3/30/91	OIL PRODUCER	3805/3762'	12 3/4" @ 325' W/500 SXS. CEMENT TO SURFACE. 8 5/8" @ 1391' W/800 SXS. CEMENT TO SURFACE. 5 1/2" @ 3805' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 3036- 3540(OA) IP=292 BOPD
FRIESS, MAX #6	1270FNL & 1460FEL SEC 30-T17S-R31E EDDY COUNTY, NM	5/5/92	5/21/92	OIL PRODUCER	3937/3865'	13 3/8" @ 404' W/375 SXS. CEMENT TO SURFACE. 8 5/8" @ 1443' W/650 SXS. CEMENT TO SURFACE. 5 1/2" @ 3937' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 3089- 3519(OA) IP=298 BOPD
FRIESS, MAX #7	2610FNL & 1460FEL SEC 30-T17S-R31E EDDY COUNTY, NM	5/15/92	6/15/92	OIL PRODUCER	3740/3700'	13 3/8" @ 411' W/375 SXS. CEMENT TO SURFACE. 8 5/8" @ 1427' W/650 SXS. CEMENT TO SURFACE. 5 1/2" @ 3740' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 3064- 3642(OA) IP=44 BOPD
TURNER "A" #7	330FNL & 1980FWL SEC 19-T17S-R31E EDDY COUNTY, NM	5/24/40	8/4/40	OIL PRODUCER	3442/3442'	8 5/8" @ 565' W/50 SXS 7" @ 2957' W/100 SXS OPEN HOLE COMPLETION: 2957- 3442' IP=264 BOPD PLUGGED & ABANDONED

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TURNER "A" #14	1650FNL & 660FWL SEC 19-T17S-R31E EDDY COUNTY, NM	9/20/41	12/1/41	OIL PRODUCER	3467/3467'	8 5/8" @ 528' W/50 SXS 7" @ 2927' W/100 SXS OPEN HOLE COMPLETION: 2927' - 3467' IP=50 BOPD
TURNER "A" #15	1650FNL & 1980FWL SEC 19-T17S-R31E EDDY COUNTY, NM	10/6/41	2/13/42	OIL PRODUCER	3444/3444'	8 5/8" @ 495' W/50 SXS 7" @ 2910' W/100 SXS OPEN HOLE COMPLETION: 2910' - 3444' IP=60 BOPD CONVERT TO WATER INJECTION WELL
TURNER "A" #16	1980FNL & 660FEL SEC 19-T17S-R31E EDDY COUNTY, NM	3/2/44	12/12/67	WATER INJECTOR	3444/3437'	4 1/2" @ 3442' W/200 SXS. TOC @ 1100'(TEMP SURVEY)
			1/7/70			PERFORATE: 3321' - 3432'(OA) - RETURN TO INJECTION
			4/30/73			PERFORATE: 2945' - 3035'(OA) - RETURN TO INJECTION
TURNER "A" #17	1980FNL & 1980FEL SEC 19-T17S-R31E EDDY COUNTY, NM	8/29/44	10/24/44	OIL PRODUCER	1965/1965'	7" @ 493' W/50 SXS 5 1/2" @ 1847' W/100 SXS OPEN HOLE COMPLETION: 1847' - 1965' IP=95 BOPD PLUGGED & ABANDONED
TURNER "A" #18	1980FNL & 660FWL SEC 19-T17S-R31E EDDY COUNTY, NM	2/4/45	4/23/45	OIL PRODUCER	1966/1966'	7" @ 493' W/50 SXS 5 1/2" @ 1859' W/100 SXS OPEN HOLE COMPLETION: 1859' - 1966' IP=45 BOPD PLUGGED & ABANDONED

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TURNER "A" #19	1980FNL & 1980FWL SEC 19-T17S-R31E EDDY COUNTY, NM	1/28/45	4/28/45	OIL PRODUCER	1949'/1949'	7" @ 494' W/50 SXS 5 1/2" @ 1837' W/100 SXS OPEN HOLE COMPLETION: 1837' - 1949' IP=85 BOPD PLUGGED & ABANDONED
TURNER "A" #20	2310FNL & 990FWL SEC 19-T17S-R31E EDDY COUNTY, NM	4/15/48	6/8/48	OIL PRODUCER	1935'/1935'	7" @ 510' W/50 SXS 5 1/2" @ 1866' W/100 SXS OPEN HOLE COMPLETION: 1866' - 1935' IP=15 BOPD PLUGGED & ABANDONED
TURNER "A" #21	2310FNL & 2310FEL SEC 19-T17S-R31E EDDY COUNTY, NM	10/10/48	11/29/48	OIL PRODUCER	1932'/1932'	8 5/8" @ 500' W/30 SXS 5 1/2" @ 1855' W/75 SXS OPEN HOLE COMPLETION: 1855' - 1932' IP=10 BOPD PLUGGED & ABANDONED
TURNER "A" #22	2310FNL & 1650FWL SEC 19-T17S-R31E EDDY COUNTY, NM	8/4/48	10/21/48	OIL PRODUCER	1940'/1940'	8 1/4" @ 491' W/30 SXS 7" @ 1855' W/75 SXS OPEN HOLE COMPLETION: 1855' - 1940' IP=10 BOPD SET CIBP @ 1811' - TEMPORARILY ABANDONED
TURNER "A" #24	990FNL & 1650FWL SEC 19-T17S-R31E EDDY COUNTY, NM	9/17/52	10/18/52	OIL PRODUCER	1925'/1925'	8 5/8" @ 519' W/50 SXS 7" @ 1860' W/100 SXS OPEN HOLE COMPLETION: 1860' - 1925' IP=16 BOPD SET CIBP @ 1835' - TEMPORARILY ABANDONED
			8/23/85		1925'/1835'	

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TURNER "A" #25	990FNL & 2310FEL SEC 19-T17S-R31E EDDY COUNTY, NM	10/24/52	12/8/52	OIL PRODUCER	1915'/1915'	8 5/8" @ 508' W/50 SXS 7" @ 1848' W/100 SXS 5 1/2" LINER @ 1840' - 1915' (LANDED, NOT CEMENTED) PERFORATE: 1872' - 1915'(OA) IP=30 BOPD SET CIBP @ 1817' - TEMPORARILY ABANDONED PLUGGED & ABANDONED
TURNER "A" #26	660FNL & 660FWL SEC 19-T17S-R31E EDDY COUNTY, NM	2/15/53	3/16/53	OIL PRODUCER	1971'/1971'	8 5/8" @ 540' W/50 SXS 7" @ 1907' W/100 SXS 5 1/2" LINER @ 1898' - 1971' (LANDED, NOT CEMENTED) PERFORATE: 1930' - 1971'(OA) IP=21 BOPD SET CIBP @ 1871' - TEMPORARILY ABANDONED PLUGGED & ABANDONED
TURNER "A" #35	1800FNL & 660FEL SEC 19-T17S-R31E EDDY COUNTY, NM	12/2/67	1/17/68	WATER INJECTOR	3635'/3618'	8 5/8" @ 555' W/350 SXS. CEMENT TO SURFACE. 4 1/2" @ 3635' W/390 SXS. TOC @ 1480'(TEMP SURVEY) PERFORATE: 2930' - 3380'(OA) COMPLETED AS WATER INJECTION WELL FILL 4 1/2" - 8 5/8" ANNULUS FROM 1304' TO SURFACE W/450 SXS
TURNER "A" #36	1800FNL & 1980FEL SEC 19-T17S-R31E EDDY COUNTY, NM	11/18/67	12/10/67	OIL PRODUCER	3450'/3441'	9 5/8" @ 605' W/350 SXS. CEMENT TO SURFACE. 7" @ 3450' W/450 SXS. TOC @ 1800'(TEMP SURVEY) PERFORATE: 2934' - 3418'(OA) IP=61 BOPD
TURNER "A" #45	975FNL & 1450FWL SEC 19-T17S-R31E EDDY COUNTY, NM	5/14/96	6/24/96	OIL PRODUCER	3684'/3638'	8 5/8" @ 362' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3683' W/2000 SXS. CEMENT TO SURFACE. PERFORATE: 2695' - 3400'(OA) IP=173 BOPD
TURNER "A" #46	925FNL & 2600FWL SEC 19-T17S-R31E EDDY COUNTY, NM	4/30/96	5/27/96	OIL PRODUCER	3670'/3567'	8 5/8" @ 388' W/775 SXS. CEMENT TO SURFACE. 5 1/2" @ 3669' W/1125 SXS. CEMENT TO SURFACE. PERFORATE: 2703' - 3418'(OA) IP=400 BOPD

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TURNER "A" #47	1330FNL & 1025FEL SEC 19-T17S-R31E EDDY COUNTY, NM	5/7/96	6/1/96	OIL PRODUCER	3743'/3693'	8 5/8" @ 392' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3742' W/1875 SXS. CEMENT TO SURFACE. PERFORATE: 2690' - 3429'(OA) IP=382 BOPD
TURNER "A" #48	2350FNL & 1330FWL SEC 19-T17S-R31E EDDY COUNTY, NM	5/21/96	6/29/96	OIL PRODUCER	3670'/3626'	8 5/8" @ 387' W/500 SXS. CEMENT TO SURFACE. 5 1/2" @ 3669' W/2000 SXS. CEMENT TO SURFACE. PERFORATE: 2726' - 3241'(OA) IP=136 BOPD
TURNER "A" #49	2280FNL & 2450FWL SEC 19-T17S-R31E EDDY COUNTY, NM	4/15/96	5/23/96	OIL PRODUCER	3670'/3622'	8 5/8" @ 353' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3669' W/2000 SXS. CEMENT TO SURFACE. PERFORATE: 2741' - 3243'(OA) IP=95 BOPD
TURNER "A" #50	2390FNL & 1210FEL SEC 19-T17S-R31E EDDY COUNTY, NM	2/15/96	4/5/96	OIL PRODUCER	3775'/3730'	8 5/8" @ 421' W/650 SXS. CEMENT TO SURFACE. 5 1/2" @ 3774' W/640 SXS. CEMENT TO SURFACE. PERFORATE: 2706' - 3488'(OA) IP=243 BOPD
TURNER "A" #57	580FNL & 1905FWL SEC 19-T17S-R31E EDDY COUNTY, NM	7/11/96	10/2/96	WATER INJECTOR	3765'/3719'	8 5/8" @ 399' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3764' W/1675 SXS. CEMENT TO SURFACE. PERFORATE: 2711' - 3550'(OA) COMPLETED AS A WATER INJECTION WELL
TURNER "B" #13	660FSL & 660FWL SEC 20-T17S-R31E EDDY COUNTY, NM	5/28/44	8/13/44	OIL PRODUCER	2051'/2051'	7" @ 534' W/50 SXS 5 1/2" @ 1891' W/100 SXS OPEN HOLE COMPLETION: 1891' - 2051' IP=91 BOPD PLUGGED & ABANDONED
TURNER "B" #23	565FNL & 566FWL SEC 29-T17S-R31E EDDY COUNTY, NM	7/13/46	9/1/46	OIL PRODUCER	2102'/2102'	7" @ 558' W/50 SXS 5 1/2" @ 1995' W/100 SXS OPEN HOLE COMPLETION: 1995' - 2102' IP=25 BOPD



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TURNER "B" #26	1650FSL & 330FWL SEC 20-T17S-R31E EDDY COUNTY, NM	10/15/47	1/2/48	OIL PRODUCER	2010'/2010'	7" @ 536 W/50 SXS 5 1/2" @ 1932 W/100 SXS OPEN HOLE COMPLETION: 1932 - 2010' IP=20 BOPD PLUGGED & ABANDONED
TURNER "B" #27	330FSL & 330FWL SEC 20-T17S-R31E EDDY COUNTY, NM	10/22/47	12/31/47	OIL PRODUCER	2034'/2034'	8 1/4" @ 527' W/50 SXS 5 1/2" @ 1939' W/100 SXS OPEN HOLE COMPLETION: 1939 - 2034' IP=12 BOPD PLUGGED & ABANDONED
TURNER "B" #43	660FSL & 560FWL SEC 20-T17S-R31E EDDY COUNTY, NM	9/2/55	10/16/55	OIL PRODUCER	3241'/3241'	8 5/8" @ 528' W/50 SXS 5 1/2" @ 3237' W/125 SXS. TOC @ 2345'(TEMP SURVEY) PERFORATE: 3062' - 3078'(OA) IP=168 BOPD PERFORATE: 3200' - 3210'(OA) - RETURN TO PRODUCTION PERFORATE: 3148' - 3163'(OA) - RETURN TO PRODUCTION PERFORATE & SQUEEZE 2331' - 2332' W/600 SXS. TOC @ 1400' FILL 5 1/2" - 8 5/8" ANNULUS 0 - 360' W/150 SXS - RETURN TO PRODUCTION PERFORATE: 2873' - 2994'(OA) - RETURN TO PRODUCTION
TURNER "B" #49	1980FNL & 1980FEL SEC 29-T17S-R31E EDDY COUNTY, NM	9/2/57	11/1/57	OIL PRODUCER	3600'/3467'	10 3/4" @ 581' W/100 SXS 7" @ 3502' W/100 SXS. TOC @ 2325' OPEN HOLE COMPLETION: 3502 - 3600' SET RBP @ 3467' PERFORATE: 3418' - 3454'(OA) IP=264 BOPD PERFORATE: 3165' - 3314'(OA) - RETURN TO PRODUCTION PERFORATE: 3081' - 3435'(OA) - RETURN TO PRODUCTION

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TURNER "B" #50	660FNL & 660FWL SEC 29-T17S-R31E EDDY COUNTY, NM	10/6/57	11/25/57	OIL PRODUCER	3375/3352'	10 3/4" @ 598' W/100 SXS 7" @ 337.4' W/100 SXS. TOC @ 2275' (TEMP SURVEY) PERFORATE: 3306' - 3320' (OA) IP=205 BOPD
			6/18/59 3/1/69 1/22/70	WATER INJECTOR	3375/3285' 3375/3290'	PERFORATE: 3208' - 3224' (OA) - RETURN TO PRODUCTION SET CIBP @ 3295' & CAP W/10' CMT - CONVERT TO WATER INJECTION WELL CLEAN OUT WELLBORE TO 3290'
			7/18/91		3375/3340'	PERFORATE: 3172' - 3285' (OA) - RETURN TO INJECTION DRILLED OUT CIBP & CLEAN OUT WELLBORE TO 3340' PERFORATE: 2978' - 3156' (OA) - RETURN TO INJECTION
TURNER "B" #52	1980FNL & 660FWL SEC 29-T17S-R31E EDDY COUNTY, NM	12/31/57	2/23/58	OIL PRODUCER	3451'/3439'	10 3/4" @ 558' W/100 SXS. CEMENT TO SURFACE. 5 1/2" @ 3451' W/150 SXS PERFORATE: 3300' - 3320' (OA) IP=216 BOPD
			2/5/70 11/1/90			PERFORATE: 3330' - 3338' (OA) - RETURN TO PRODUCTION PERFORATE: 3269' - 3352' (OA) - RETURN TO PRODUCTION
TURNER "B" #53	1980FSL & 660FEL SEC 30-T17S-R31E EDDY COUNTY, NM	5/12/58	6/25/58	OIL PRODUCER	3524'/3470'	10 3/4" @ 573' W/100 SXS 5 1/2" @ 3524' W/150 SXS. TOC @ 2670' (TEMP SURVEY) PERFORATE: 3488' - 3494' (OA) SET CIBP @ 3470' PERFORATE: 3356' - 3372' (OA) IP=219 BOPD
			2/5/70 11/21/89		3524'/3513'	PERFORATE: 3388' - 3397' (OA) - RETURN TO PRODUCTION DRILL OUT CIBP & CLEAN OUT WELLBORE TO 3513' RETURN TO PRODUCTION
			3/27/91		3524'/3524'	MILLED ON COLLAPSED CASING @ 3395'. CLEAN OUT WELLBORE TO TD.

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TURNER "B" #54	1980FNL & 1980FWL SEC 29-T17S-R31E EDDY COUNTY, NM	6/30/58	8/18/58	OIL PRODUCER	3525'/3523'	10 3/4" @ 553' W/100 SXS 5 1/2" @ 3525' W/125 SXS. TOC @ 2740'(TEMP SURVEY) PERFORATE: 3366'- 3386'(OA) IP=216 BOPD PUSHED PACKER TO 3460'(UNABLE TO MILL UP) PERFORATE: 3396'- 3404'(OA) - CONVERT TO WATER INJECTION WELL PERFORATE: 3108'- 3266'(OA) - RETURN TO INJECTION
TURNER "B" #56	1980FSL & 1980FEL SEC 30-T17S-R31E EDDY COUNTY, NM	10/12/58	11/21/58	OIL PRODUCER	3527'/3525'	10 3/4" @ 630' W/100 SXS 5 1/2" @ 3527' W/100 SXS. TOC @ 2980'(TEMP SURVEY) PERFORATE: 3367'- 3378'(OA) IP=216 BOPD PERFORATE: 3336'- 3343'(OA) - CONVERT TO WATER INJECTION WELL SQUEEZE CASING LEAKS 2075'- 2606' W/250 SXS - RETURN TO INJECTION
TURNER "B" #58	1650FNL & 660FWL SEC 29-T17S-R31E EDDY COUNTY, NM	7/27/59	1/7/60	D & A	13714'/9845'	13 3/8" @ 230' W/300 SXS. CEMENT TO SURFACE. 9 5/8" @ 3825' W/2508 SXS. CEMENT TO SURFACE. 5 1/2" @ 9900' W/150 SXS. TOC @ 9430'(TEMP SURVEY) PERFORATE: 9759'- 9767'(OA) SQUEEZE PERFORATIONS 9759'- 9767' W/300 SXS PERFORATE: 9763'- 9765'(OA) TEMPORARILY ABANDONED PLUGGED & ABANDONED
TURNER "B" #60	1980FSL & 1980FWL SEC 29-T17S-R31E EDDY COUNTY, NM	3/5/59	4/20/59	OIL PRODUCER	3626'/3624'	10 3/4" @ 625' W/100 SXS 5 1/2" @ 3626' W/100 SXS PERFORATE: 3470'- 3488'(OA) IP=240 BOPD PERFORATE: 3513'- 3524'(OA) - RETURN TO PRODUCTION PERFORATE: 3193'- 3610'(OA) - RETURN TO PRODUCTION

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<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #61	1980FSL & 1980FEL SEC 29-T17S-R31E EDDY COUNTY, NM	4/24/59	6/8/59	OIL PRODUCER	3661'/3659'	10 3/4" @ 633' W/100 SXS 5 1/2" @ 3661' W/100 SXS. TOC @ 2310'(TEMP SURVEY) PERFORATE: 3616' - 3646'(OA) IP=288 BOPD PERFORATE: 3506' - 3516'(OA) - RETURN TO PRODUCTION SET CIBP @ 3585' AND CAP WITH 15' CEMENT PERFORATE: 3532' - 3540'(OA) - CONVERT TO WATER INJECTION WELL DRILL OUT CIBP AND CLEAN OUT WELLBORE TO 3659' PERFORATE: 3254' - 3586'(OA) - RETURN TO INJECTION
TURNER "B" #62	1980FSL & 660FEL SEC 29-T17S-R31E EDDY COUNTY, NM	6/13/59	8/7/59	OIL PRODUCER	3690'/3690'	8 5/8" @ 648' W/200 SXS 5 1/2" @ 3690' W/100 SXS PERFORATE: 3500' - 3674'(OA) IP=288 BOPD
TURNER "B" #63	660FSL & 1980FEL SEC 29-T17S-R31E EDDY COUNTY, NM	8/5/59	9/18/59	OIL PRODUCER	3670'/3648'	8 5/8" @ 700' W/100 SXS 5" @ 3670' W/100 SXS. TOC @ 2810'(TEMP SURVEY) PERFORATE: 3510' - 3620'(OA) IP=216 BOPD PERFORATE: 3293' - 3484'(OA) - RETURN TO PRODUCTION
TURNER "B" #64	1980FSL & 600FWL SEC 29-T17S-R31E EDDY COUNTY, NM	9/21/59	10/30/59	OIL PRODUCER	3576'/3572'	8 5/8" @ 570' W/100 SXS 5" @ 3576' W/100 SXS PERFORATE: 3388' - 3405'(OA) IP=240 BOPD CONVERT TO WATER INJECTION WELL PERFORATE: 3426' - 3440'(OA) - RETURN TO INJECTION PERFORATE: 3054' - 3557'(OA) - RETURN TO INJECTION
			3/11/69 1/26/70 9/5/91	WATER INJECTOR		

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
TURNER "B" #66	660FSL & 1980FWL SEC 29-T17S-R31E EDDY COUNTY, NM	5/16/60	7/2/60	OIL PRODUCER	3706/3703'	8 5/8" @ 717' W/100 SXS 4 1/2" @ 3706' W/125 SXS. TOC @ 3003'(TEMP SURVEY) PERFORATE: 3522'- 3546'(OA) IP=238 BOPD CONVERT TO WATER INJECTION WELL
			3/11/69 8/7/91 4/13/96 6/14/96	WATER INJECTOR		PERFORATE: 3281'- 3678'(OA) - RETURN TO INJECTION SQUEEZE CASING @ 28'- 35' W/348 SXS - TEMPORARILY ABANDONED PLUGGED & ABANDONED
TURNER "B" #68	660FSL & 660FEL SEC 29-T17S-R31E EDDY COUNTY, NM	7/23/60	9/2/60	D & A	3718/3681'	8 5/8" @ 730' W/100 SXS 4 1/2" @ 3718' W/130 SXS PERFORATE: 3648'- 3664'(OA) - TEMPORARILY ABANDONED, D & A SET CIBP @ 3600' AND CAP WITH CEMENT
			3/11/69 1/21/70 9/11/91	WATER INJECTOR	3718/3596' 3718/3596'	PERFORATE: 3454'- 3512'(OA) - CONVERT TO WATER INJECTION WELL CLEAN OUT WELLBORE TO 3596' PERFORATE: 3564'- 3588'(OA) - RETURN TO INJECTION PERFORATE: 3332'- 3630'(OA) - RETURN TO INJECTION
TURNER "B" #70	330FSL & 660FWL SEC 20-T17S-R31E EDDY COUNTY, NM	8/12/60	9/9/60	OIL PRODUCER	7200/7165'	8 5/8" @ 1600' W/900 SXS. CEMENT TO SURFACE. 4 1/2" @ 7200' W/1300 SXS. CEMENT TO SURFACE. PERFORATE: 7042'- 7058'(OA) IP=356 BOPD SET CIBP @ 7000' - TEMPORARILY ABANDONED
			1/28/71		7200/7000'	
TURNER "B" #71	660FSL & 660FWL SEC 29-T17S-R31E EDDY COUNTY, NM	9/9/60	10/23/60	OIL PRODUCER	3672/3656'	8 5/8" @ 590' W/100 SXS 4 1/2" @ 3672' W/100 SXS. TOC @ 3155'(TEMP SURVEY) PERFORATE: 3469'- 3480'(OA) IP=294 BOPD PERFORATE: 3225'- 3643'(OA) - RETURN TO PRODUCTION
			3/25/91			
TURNER "B" #75	330FSL & 660FWL SEC 29-T17S-R31E EDDY COUNTY, NM	11/6/60	1/10/61	D & A	9900/0'	8 5/8" @ 1608' W/650 SXS. CEMENT TO SURFACE. PLUGGED & ABANDONED

VI Wells Within "Area Of Review"

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TURNER "B" #76	660FSL & 660FEL SEC 30-T17S-R31E EDDY COUNTY, NM	12/20/60	1/29/61	D & A	3597/0'	8 5/8" @ 542' W/100 SXS PLUGGED & ABANDONED
			3/11/69	WATER INJECTOR	3597/3570'	RE-ENTER WELLBORE AND CLEANED OUT TO TD 4 1/2" @ 3597' W/575 SXS. TOC @ 800'
			3/28/72 4/28/82		3597/3470'	PERFORATE: 3426'- 3497'(OA) - CONVERT TO WATER INJECTION WELL SET CIBP @ 3470' - INJECTION THRU PERFORATIONS 3426'- 3446'(OA) PLUGGED & ABANDONED
TURNER "B" #77	660FSL & 660FWL SEC 30-T17S-R31E EDDY COUNTY, NM	4/1/61	6/20/61	OIL PRODUCER	11475/11405'	13 3/8" @ 620' W/750 SXS. CEMENT TO SURFACE. 9 5/8" @ 2950' W/1000 SXS. CEMENT TO SURFACE. 7" @ 11475' W/500 SXS. TOC @ 8910'(TEMP SURVEY) PERFORATE: 10919'- 10927'(OA) IP=516 BOPD
			7/30/63		11475/11032'	SET CIBP @ 11048' AND CAP WITH 4 SXS CEMENT SQUEEZE PERFORATIONS 10919'- 10927' W/250 SXS PERFORATE & SQUEEZE 8054' W/620 SXS PERFORATE & SQUEEZE 7850' W/200 SXS PERFORATE: 7924'- 7948'(OA)
			10/1/71			SQUEEZE PERFORATIONS 7924'- 7948' W/200 SXS PERFORATE: 9722'- 9736'(OA) - RETURN TO PRODUCTION PLUGGED & ABANDONED
TURNER "B" #80	2565FSL & 1305FWL SEC 29-T17S-R31E EDDY COUNTY, NM	10/21/90	11/13/90	OIL PRODUCER	3600/3543'	8 5/8" @ 599' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3697' W/1000 SXS. CEMENT TO SURFACE. PERFORATE: 3093'- 3536'(OA) IP=233 BOPD
TURNER "B" #81	2545FSL & 2615FEL SEC 29-T17S-R31E EDDY COUNTY, NM	11/8/90	11/23/90	OIL PRODUCER	3700/3645'	8 5/8" @ 600' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3698' W/500 SXS. CEMENT TO SURFACE. PERFORATE: 3230'- 3628'(OA) IP=278 BOPD
TURNER "B" #82	2550FSL & 1335FEL SEC 29-T17S-R31E EDDY COUNTY, NM	11/19/90	12/4/90	OIL PRODUCER	3724/3682'	8 5/8" @ 602' W/824 SXS. CEMENT TO SURFACE. 5 1/2" @ 3724' W/1040 SXS. CEMENT TO SURFACE. PERFORATE: 3244'- 3616'(OA) IP=301 BOPD

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TURNER "B" #86	1335FSL & 1305FWL SEC 29-T17S-R31E EDDY COUNTY, NM	11/28/90	12/16/90	OIL PRODUCER	3720/3711'	8 5/8" @ 601' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3730' W/1225 SXS. CEMENT TO SURFACE. PERFORATE: 3227'-3627'(OA) IP=64 BOPD
TURNER "B" #87	1335FSL & 2625FWL SEC 29-T17S-R31E EDDY COUNTY, NM	12/8/90	12/22/90	OIL PRODUCER	3725/3685'	8 5/8" @ 605' W/465 SXS. CEMENT TO SURFACE. 5 1/2" @ 3725' W/1000 SXS. CEMENT TO SURFACE. PERFORATE: 3293'-3658'(OA) IP=110 BOPD
TURNER "B" #88	1335FSL & 1335FEL SEC 29-T17S-R31E EDDY COUNTY, NM	12/17/90	1/9/91	OIL PRODUCER	3745/3722'	8 5/8" @ 605' W/550 SXS. CEMENT TO SURFACE. 5 1/2" @ 3745' W/1225 SXS. CEMENT TO SURFACE. PERFORATE: 3315'-3688'(OA) IP=186 BOPD
TURNER "B" #98	1270FSL & 50FWL SEC 29-T17S-R31E EDDY COUNTY, NM	3/23/91	4/12/91	OIL PRODUCER	3750/3704'	12 3/4" @ 398' W/500 SXS. CEMENT TO SURFACE. 8 5/8" @ 1485' W/700 SXS. CEMENT TO SURFACE. 5 1/2" @ 3750' W/1100 SXS. CEMENT TO SURFACE. PERFORATE: 3191'-3739'(OA) IP=230 BOPD
TURNER "B" #99	2590FSL & 100FWL SEC 20-T17S-R31E EDDY COUNTY, NM	2/24/91	3/19/91	OIL PRODUCER	3690/3655'	12 3/4" @ 332' W/525 SXS. CEMENT TO SURFACE. 8 5/8" @ 1418' W/800 SXS. CEMENT TO SURFACE. 5 1/2" @ 3700' W/1250 SXS. CEMENT TO SURFACE. PERFORATE: 3110'-3643'(OA) IP=44 BOPD
TURNER "B" #100	150FSL & 50FWL SEC 20-T17S-R31E EDDY COUNTY, NM	2/9/91	2/18/91	OIL PRODUCER	3580/3524'	11 3/4" @ 465' W/425 SXS. CEMENT TO SURFACE. 8 5/8" @ 1422' W/550 SXS. CEMENT TO SURFACE. 5 1/2" @ 3576' W/750 SXS. CEMENT TO SURFACE. PERFORATE: 3213'-3454'(OA) IP=60 BOPD

VI Wells Within "Area Of Review"

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TURNER "B" #107	2190FSL & 330FWL SEC 30-T17S-R31E EDDY COUNTY, NM	6/7/96		OIL PRODUCER	4045'/4002'	8 5/8" @ 387' W/660 SXS. CEMENT TO SURFACE. 5 1/2" @ 4045' W/2550 SXS. CEMENT TO SURFACE. PERFORATE: 2951' - 3617'(OA) TESTING WELL TO FRAC TANK
TURNER "B" #108	2190FSL & 1700FWL SEC 30-T17S-R31E EDDY COUNTY, NM	9/26/96		OIL PRODUCER	3870'/3823'	8 5/8" @ 430' W/350 SXS. CEMENT TO SURFACE. 5 1/2" @ 3869' W/1375 SXS. CEMENT TO SURFACE. PERFORATE: 2991' - 3615'(OA) TESTING WELL TO FRAC TANK
TURNER "B" #118	1200FSL & 10FWL SEC 20-T17S-R31E EDDY COUNTY, NM	6/18/96	8/19/96	OIL PRODUCER	3760'/3717'	8 5/8" @ 339' W/350 SXS. CEMENT TO SURFACE.. 5 1/2" @ 3759' W/1325 SXS. CEMENT TO SURFACE. PERFORATE: 2821' - 3517'(OA) IP=300 BOPD



VI Wells Within "Area Of Review"

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CEDAR LAKE #1 Mack Energy Corporation	1980FNL & 515FWL SEC 30-T17S-R31E EDDY COUNTY, NM	11/19/42	9/1/43	OIL PRODUCER	3336'/3336'	8 1/4" @ 497' W/50 SXS 5 1/2" @ 2933' W/30 SXS OPEN HOLE COMPLETION: 2933'- 3336' IP=25 BOPD
CEDAR LAKE #2 Mack Energy Corporation	660FNL & 515FWL SEC 30-T17S-R31E EDDY COUNTY, NM	6/18/44	8/9/44	OIL PRODUCER	2054'/2054'	8 1/4" @ 512' W/50 SXS 5 1/2" @ 1916' W/100 SXS OPEN HOLE COMPLETION: 1916'- 2054' IP=25 BOPD
CEDAR LAKE #3X Mack Energy Corporation	330FNL & 731FWL SEC 30-T17S-R31E EDDY COUNTY, NM	6/6/58	8/11/58	OIL PRODUCER	3423'/3423'	10 3/4" @ 518' W/300 SXS 7" @ 3423' W/150 SXS PERFORATE: 2835'- 3256'(OA) IP=150 BOPD
EL PASO STATE #1 Odessa Natural Corporation	660FNL & 660FEL SEC 36-T17S-R30E EDDY COUNTY, NM	11/21/60	2/11/61	GAS PRODUCER	11,861'/11,861'	13 3/8" @ 631' W/600 SXS 8 5/8" @ 2950' W/500 SXS 4 1/2" @ 11,861' W/900 SXS PERFORATE: 11,357'- 11,460'(OA) IP=3033 MCFD PLUGGED & ABANDONED
FRIESS #1 Jack Plemons	660FNL & 3300FEL SEC 30-T17S-R31E EDDY COUNTY, NM	3/16/44	4/15/44	OIL PRODUCER	2058'/2058'	8 1/4" @ 513' W/50 SXS 7" @ 1887' W/100 SXS OPEN HOLE COMPLETION: 1887'- 2058' IP=150 BOPD
			6/27/56		3232'/3232'	DEEPEN OPEN HOLE TO 3232' - RETURN TO PRODUCTION
FRIESS #2 Jack Plemons	1980FNL & 1980FWL SEC 30-T17S-R31E EDDY COUNTY, NM	4/20/44	5/31/44	OIL PRODUCER	2104'/2104'	8 1/4" @ 530' W/50 SXS 7" @ 2000' W/100 SXS OPEN HOLE COMPLETION: 2000'- 2104' IP=50 BOPD

VI Wells Within "Area Of Review"

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FRIESS #3 Schuster - Schuster	336FNL & 2970FEL SEC 30-T17S-R31E EDDY COUNTY, NM	2/6/47	4/21/47	OIL PRODUCER	2033'/2033'	8 5/8" @ 435' W/50 SXS 5 1/2" @ 1954' W/100 SXS OPEN HOLE COMPLETION: 1954' - 2033' IP=40 BOPD PLUGGED & ABANDONED
FRIESS #4 Jack Plemons	1650FNL & 1650FWL SEC 30-T17S-R31E EDDY COUNTY, NM	1/10/57	4/10/57	OIL PRODUCER	3338'/3338'	8 5/8" @ 494' W/50 SXS 5 1/2" @ 3100' W/150 SXS PERFORATE: 2894' - 2900'(OA) IP=70 BOPD
FRIESS #5 Jack Plemons	330FNL & 1411FWL SEC 30-T17S-R31E EDDY COUNTY, NM	9/26/81	2/23/82	OIL PRODUCER	2570'/2570'	8 5/8" @ 437' W/405 SXS 5 1/2" @ 2290' W/500 SXS PERFORATE: 1965' - 2087'(OA) IP=20 BOPD
GULF PREMIER FEDERAL #1 Jack L. McClellan	330FNL & 990FEL SEC 31-T17S-R31E EDDY COUNTY, NM	12/31/58	10/3/60	OIL PRODUCER	3599'/3525'	8 5/8" @ 608' W/50 SXS 5 1/2" @ 3525' W/100 SXS PERFORATE: 3178' - 3217'(OA) IP=36 BOPD PLUGGED & ABANDONED
JACKSON "B" #10 Burnett Oil Company	1980FNL & 1980FEL SEC 25-T17S-R30E EDDY COUNTY, NM	9/8/43	10/31/43	OIL PRODUCER	3297'/3297'	8 5/8" @ 515' W/50 SXS 7" @ 3130' W/100 SXS OPEN HOLE COMPLETION: 3130' - 3297' IP=200 BOPD
JACKSON "B" #12 Burnett Oil Company	1980FSL & 539FEL SEC 24-T17S-R30E EDDY COUNTY, NM	6/15/44	8/5/44	OIL PRODUCER	1997'/1997'	8 1/4" @ 530' W/100 SXS 7" @ 1826' W/100 SXS OPEN HOLE COMPLETION: 1826' - 1997' IP=110 BOPD
JACKSON "B" #13 Burnett Oil Company	660FSL & 539FEL SEC 24-T17S-R30E EDDY COUNTY, NM	9/14/44	10/10/44	OIL PRODUCER	2034'/2034'	8 1/4" @ 500' W/50 SXS 7" @ 1878' W/100 SXS OPEN HOLE COMPLETION: 1878' - 2034' IP=100 BOPD

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
JACKSON "B" #26 Burnett Oil Company	990 FSL & 660 FEL SEC 24-T17S-R30E EDDY COUNTY, NM	2/20/63	9/1/63	OIL PRODUCER	7090'/7090'	8 5/8" @ 1402' W/450 SXS 4 1/2" @ 7090' W/925 SXS PERFORATE: 3168' - 3178'(OA) IP=13 BOPD
JACKSON "B" #35 Burnett Oil Company	100 FNL & 460 FEL SEC 25-T17S-R30E EDDY COUNTY, NM	12/12/93	2/17/94	OIL PRODUCER	3280'/3270'	8 5/8" @ 1496' W/830 SXS 5 1/2" @ 3275' W/550 SXS PERFORATE: 3062' - 3258'(OA) IP=65 BOPD
JACKSON "B" #37 Burnett Oil Company	2400 FSL & 567 FEL SEC 24-T17S-R30E EDDY COUNTY, NM	10/25/95	1/11/96	OIL PRODUCER	3211'/3192'	8 5/8" @ 505' W/236 SXS 5 1/2" @ 3209' W/980 SXS PERFORATE: 2966' - 3124'(OA) IP=148 BOPD
SIMON STATE #1 Ashmun - Hilliard	1650 FNL & 990 FEL SEC 32-T17S-R31E EDDY COUNTY, NM	5/2/60	6/20/60	D & A	3815'/3815'	10 3/4" @ 620' W/50 SXS OPEN HOLE: 620' - 3815' PLUGGED & ABANDONED
STAGNER #2 Schuster - Schuster	660 FNL & 1980 FWL SEC 31-T17S-R31E EDDY COUNTY, NM	6/21/44	12/31/44	T&D	2415'/2415'	8 5/8" @ 590' OPEN HOLE: 590' - 2415' TEMPORARILY ABANDONED DEEPEN OPEN HOLE TO 3527' PLUGGED & ABANDONED
STATE #1 Mack Energy Corporation	1980 FSL & 539 FWL SEC 19-T17S-R31E EDDY COUNTY, NM	4/24/44	5/24/44	OIL PRODUCER	2002'/2002'	8 1/2" @ 495' W/50 SXS 7" @ 1836' W/100 SXS OPEN HOLE COMPLETION: 1836' - 2002' IP=180 BOPD DEEPEN OPEN HOLE TO 3120' 5 1/2" @ 3053' W/65 SXS PERFORATE: 3045' - 3105'(OA) - RETURN TO PRODUCTION

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
STATE #2 Mack Energy Corporation	660FSL & 539FWL SEC 19-T17S-R31E EDDY COUNTY, NM	5/30/44	7/13/44	OIL PRODUCER	2014'/2014'	8 1/4" @ 495' W/50 SXS 7" @ 1851' W/110 SXS OPEN HOLE COMPLETION: 1851' - 2014' IP=50 BOPD DEEPEN OPEN HOLE TO 3124' 5 1/2" @ 3055' W/70 SXS OPEN HOLE COMPLETION: 3055' - 3124' - RETURN TO PRODUCTION
STATE #3 Mack Energy Corporation	2310FSL & 906FWL SEC 19-T17S-R31E EDDY COUNTY, NM	4/15/47	6/3/47	OIL PRODUCER	1955'/1955'	8 5/8" @ 504' W/50 SXS 5 1/2" @ 1870' W/100 SXS OPEN HOLE COMPLETION: 1870' - 1955' IP=40 BOPD
STATE #4 Mack Energy Corporation	990FSL & 906FWL SEC 19-T17S-R31E EDDY COUNTY, NM	6/4/47	7/18/47	OIL PRODUCER	1998'/1998'	8" @ 604' W/50 SXS 5 1/2" @ 1905' W/75 SXS OPEN HOLE COMPLETION: 1905' - 1998' IP=30 BOPD
STATE #5 Mack Energy Corporation	1650FSL & 330FWL SEC 19-T17S-R31E EDDY COUNTY, NM	11/21/62	1/20/63	OIL PRODUCER	7125'/7125'	10 3/4" @ 452' 8 5/8" @ 1370' W/200 SXS 4 1/2" @ 7125' W/850 SXS PERFORATE: 7114' - 7120'(OA) IP=248 BOPD ABANDON ABO FORMATION PERFORATE: 2841' - 3195'(OA) - RETURN TO PRODUCTION
STATE #6 Mack Energy Corporation	990FSL & 744FWL SEC 19-T17S-R31E EDDY COUNTY, NM	9/20/62	11/6/62	OIL PRODUCER	7090'/7090'	10 3/4" @ 460' 8 5/8" @ 1250' W/200 SXS 4 1/2" @ 7089' W/870 SXS PERFORATE: 7034' - 7046'(OA) IP=146 BOPD ABANDON ABO FORMATION PERFORATE: 2857' - 3410'(OA) - RETURN TO PRODUCTION

VI Wells Within "Area Of Review"

<u>WELL NAME</u>	<u>LOCATION</u>	<u>SPUD DATE</u>	<u>COMP DATE</u>	<u>WELL TYPE</u>	<u>DEPTH/PBTD</u>	<u>COMPLETION RECORD</u>
STATE "M" #1 Me-Tex Oil & Gas, Inc.	330FNL & 2310FWL SEC 32-T17S-R31E EDDY COUNTY, NM	4/10/61	6/5/61	OIL PRODUCER	3704'/3695'	8 5/8" @ 708' W/50 SXS 5 1/2" @ 3699' W/750 SXS PERFORATE: 3534' - 3540'(OA) IP=168 BOPD PERFORATE: 3398' - 3439'(OA) - RETURN TO PRODUCTION PERFORATE: 3296' - 3635'(OA) - RETURN TO PRODUCTION
STATE "M" #2 James G. Brown & Assoc	330FNL & 990FEL SEC 32-T17S-R31E EDDY COUNTY, NM	7/3/61	8/10/61	D & A	3654'/3654'	8 5/8" @ 681' W/50 SXS OPEN HOLE: 681' - 3654' PLUGGED & ABANDONED
STATE "U" #1 Arco Oil & Gas, Inc.	330FNL & 1980FEL SEC 32-T17S-R31E EDDY COUNTY, NM	11/10/59	1/12/60	OIL PRODUCER	3810'/3810'	8 5/8" @ 752' W/391 SXS 5 1/2" @ 3810' W/150 SXS PERFORATE: 3467' - 3535'(OA) IP=240 BOPD PLUGGED & ABANDONED
TURNER "B" #1 Byrd - Frost, Inc.	660FSL & 1980FEL SEC 25-T17S-R31E EDDY COUNTY, NM	10/18/41	7/1/42	OIL PRODUCER	3545'/3545'	8 1/4" @ 446' W/25 SXS 5 1/2" @ 3210' W/100 SXS OPEN HOLE COMPLETION: 3210' - 3545' IP=45 BOPD PLUGGED & ABANDONED
			2/28/49			

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: FREN OIL COMPANY #4			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FSL & 660'FEL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3609'; KB=UNK			SPUD DATE: 12/08/43		COMP DATE: 01/21/44	
API#: 30-015-05252		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 480'	8 5/8"	32#			12"
CASING:	0' - 1845'	7"	20#			8 1/2"
CASING:	UNK - 3178'	5 1/2"	15.5#	J-55		6 1/4"
TUBING:						
TUBING:						

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 07/08/77**  
 CEMENT PLUG: 0' - 10'  
 CEMENT PLUG: 370' - 570'  
 8 5/8" CASING SET W/60 SXS. TOC @ 380' (calc)  
 PERF 7" CASING @ 570'

CEMENT PLUG: 1580' - 1892'

7" CASING, SET W/100 SXS. TOC @ 1320' (calc)

CUT 5 1/2" CASING (DEPTH UNKNOWN)

CEMENT RETAINER @ 2607', PUMP 150 SXS BELOW RETAINER.

PERFORATIONS: 2722' - 3152' (OA)

CIBP @ 3170'

5 1/2" CASING SET W/85 SXS. TOC @ 2010' (calc)

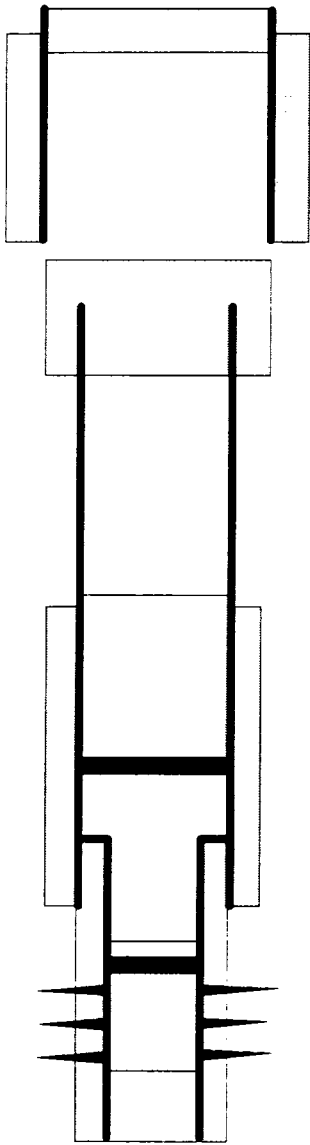
TD @ 3185'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: FREN OIL COMPANY #6			FIELD: GRAYBURG-JACKSON			
LOCATION: 990'FSL & 1650'FEL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=UNK; KB=UNK; DF=3591'			SPUD DATE: 08/10/46		COMP DATE: 09/09/46	
API#: 30-015-05254		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 500'	8 5/8"	24#			12"
CASING:	585' - 1818'	7"	20#			8 1/4"
CASING:	1767' - 3643'	4 1/2"	9.5#			6"
TUBING:						
TUBING:						



The diagram is a vertical cross-section of a wellbore. It shows three main casing sections: a top section from 0' to 500' (12" hole size), a middle section from 585' to 1818' (8 1/4" hole size), and a bottom section from 1767' to 3643' (6" hole size). Tubing is shown within the casing sections. Cement plugs are indicated at 0'-50' and 510'-660'. A cement retainer is shown at 1693' with a 300' cement cap. Another cement retainer is shown at 2800' with a 75 SXS pump below it and a 2 SXS cap. Perforations are shown in the bottom section between 2911' and 3546'. The total depth (TD) is 3643'.

☒ CURRENT

☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 10/13/75**

CEMENT PLUG: 0' - 50'  
 8 5/8" CASING SET W/75 SXS. TOC @ 370' (calc)

CEMENT PLUG: 510' - 660'  
 CUT 7" CASING @ 585'

CEMENT RETAINER @ 1693', CAP WITH 300' CEMENT.

TOP OF 4 1/2" LINER @ 1767'  
 7" CASING SET W/150 SXS. TOC @ 870' (calc)

CEMENT RETAINER @ 2800', PUMP 75 SXS BELOW & CAP W/2 SXS.

PERFORATIONS: 2911' - 3546' (OA)

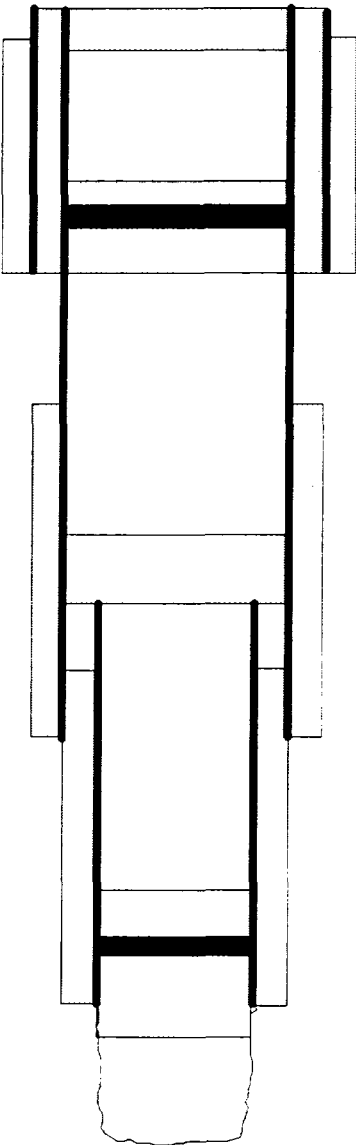
4 1/2" LINER SET W/295 SXS.  
 TD @ 3643'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: FREN OIL COMPANY #9			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310'FSL & 330'FEL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3611'; KB=UNK			SPUD DATE: 02/06/47		COMP DATE: 04/28/47	
API#: 30-015-05257		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 506'	8 5/8"	24#			12"
CASING:	0' - 2595'	7"	20#	J-55		8 1/2"
CASING:	0' - 2950'	5 1/2"	15.5#	J-55		6 1/4"
TUBING:						
TUBING:						



☒ CURRENT      ☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 11/17/76**

CEMENT PLUG: 0' - 50'  
 CEMENT RETAINER @ 469', PUMP 130 SXS BELOW & CAP WITH 2 SXS.  
 8 5/8" CASING SET W/50 SXS. TOC @ 420' (calc)  
 PERFORATE 7" CASING @ 500'

CEMENT PLUG: 1422' - 1530'  
 CUT 5 1/2" CASING @ 1530'

7" CASING, SET W/150 SXS. TOC @ 1810' (calc)

CEMENT RETAINER @ 2846', PUMP 100 SXS BELOW & CAP W/100' CMT.  
 5 1/2" CASING SET W/125 SXS. TOC @ 1230' (calc)

OPEN HOLE COMPLETION: 2950' - 3121'

PBTD @ 3121' (PEA GRAVEL)  
 TD @ 3445'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.



# DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #7			FIELD: GRAYBURG-JACKSON			
LOCATION: 330'FSL & 1980'FWL, SEC 19-T17S-R31E			COUNTY: EDDY	STATE: NM		
ELEVATION: GL=UNK ; KB=UNK			SPUD DATE: 05/24/40	COMP DATE: 08/04/40		
API#: 30-015-05236		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 565'	8 5/8"	32#			10"
CASING:	0' - 2957'	7"	24#			8"
CASING:						
TUBING:						
TUBING:						

CURRENT

PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 02/02/95**

CEMENT PLUG: 0' - 596'  
8 5/8" CASING, SET W/50 SXS. TOC @ 330' (calc)  
PERF 7" CASING @ 595' - 596' W/4 SPF

CEMENT RETAINER @ 2296'. PUMP 200 SXS BELOW & CAP W/50' CMT.

NOTE: 7" CASING COLLAPSED @ 2489'

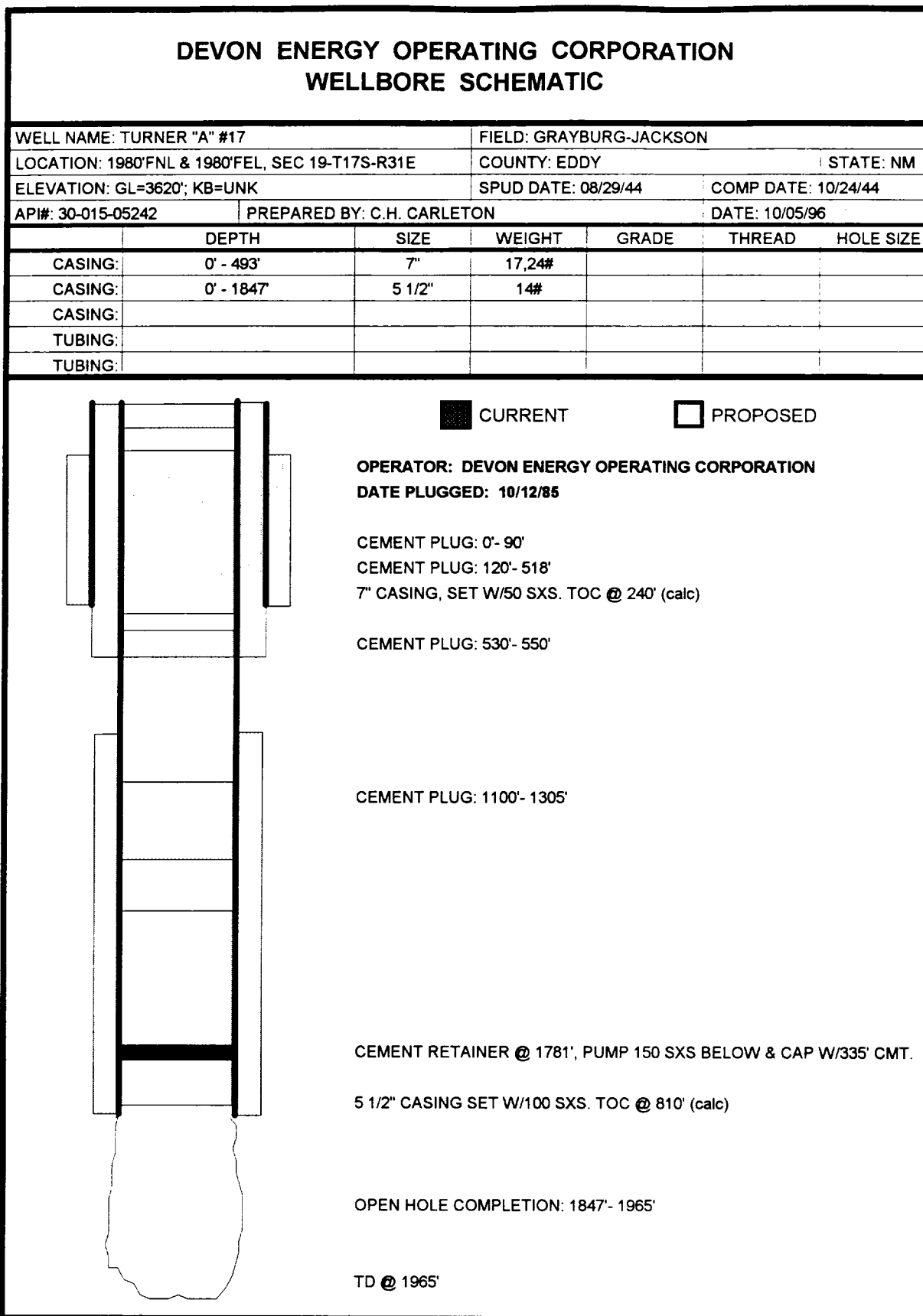
7" CASING SET W/100 SXS. TOC @ 2150' (calc)

OPEN HOLE COMPLETION: 2957' - 3442'

TD @ 3442'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

# VI Wellbore Schematic of Plugged Wells:

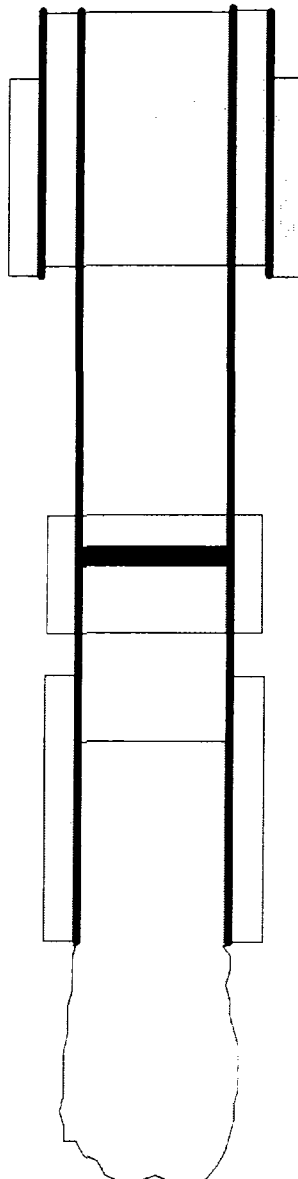


NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #18			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 660'FWL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3667'; KB=UNK			SPUD DATE: 02/04/45		COMP DATE: 04/23/45	
API#: 30-015-05243		PREPARED BY: C.H. CARLETON			DATE: 04/23/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 493'	7"	20#			
CASING:	0' - 1859'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 10/06/86

CEMENT PLUG: 0' - 490'  
PERFORATE 7" CASING @ 490'  
7" CASING, SET W/50 SXS. TOC @ UNKNOWN

CEMENT RETAINER @ 1132', PUMP 150 SXS BELOW & CAP W/50' CMT.

PERFORATE 7" CASING @ 1250'

CEMENT PLUG: 1400' - 1952'

5 1/2" CASING SET W/100 SXS. TOC @ UNKNOWN

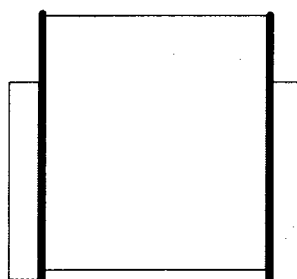
OPEN HOLE COMPLETION: 1859' - 1966'

TD @ 1966'

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #19			FIELD: GRAYBURG-JACKSON			
LOCATION: 1980'FNL & 1980'FWL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK; DF=3650'			SPUD DATE: 01/28/45		COMP DATE: 04/28/45	
API#: 30-015-05244		PREPARED BY: C.H. CARLETON			DATE: 04/23/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 494'	7"	17.24#			
CASING:	950' - 1837'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



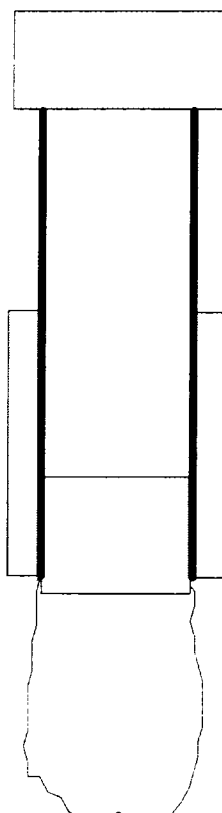
☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 02/13/76

CEMENT PLUG: 0' - 492'

7" CASING, SET W/50 SXS. TOC @ UNKNOWN



CEMENT PLUG: 720' - 950'

CUT 5 1/2" CASING @ 950'

CEMENT PLUG: 1716' - 1839'

5 1/2" CASING SET W/100 SXS. TOC @ UNKNOWN

OPEN HOLE COMPLETION: 1837' - 1949'

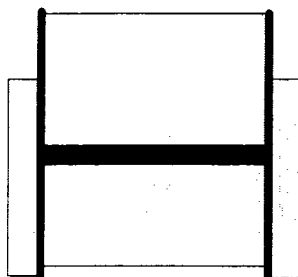
TD @ 1949'

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #20	FIELD: GRAYBURG-JACKSON
LOCATION: 2310'FNL & 990'FEL, SEC 19-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3698'; KB=UNK;	SPUD DATE: 04/15/48 COMP DATE: 06/08/48
API#: 30-015-05245	PREPARED BY: C.H. CARLETON DATE: 04/23/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 510'	7"	24#			
CASING:	705' - 1866'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



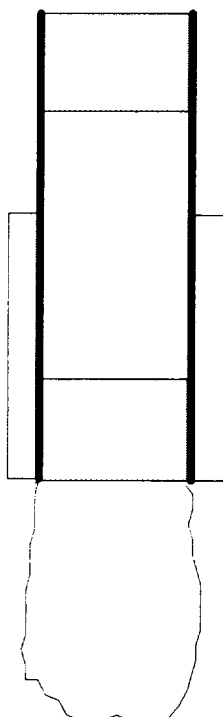
☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 03/02/76

CEMENT RETAINER @ 200', PUMP 80 SXS BELOW & CAP WITH 45 SXS.

7" CASING, SET W/50 SXS. TOC @ UNKNOWN



CUT 5 1/2" CASING @ 705'  
CEMENT PLUG: 705'- 950'

CEMENT PLUG: 1666'- 1866'

5 1/2" CASING SET W/100 SXS. TOC @ UNKNOWN

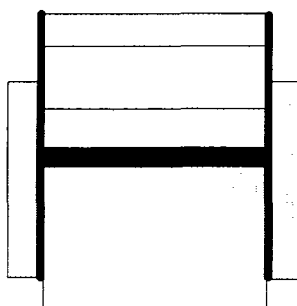
OPEN HOLE COMPLETION: 1866'- 1935'

TD @ 1935'

# VI Wellbore Schematic of Plugged Wells:

## DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #21			FIELD: GRAYBURG-JACKSON			
LOCATION: 2310'FNL & 2310'FEL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3614'; KB=UNK;			SPUD DATE: 10/10/48		COMP DATE: 11/29/48	
API#: 30-015-05246		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 500'	8 5/8"	24#			
CASING:	950' - 1855'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



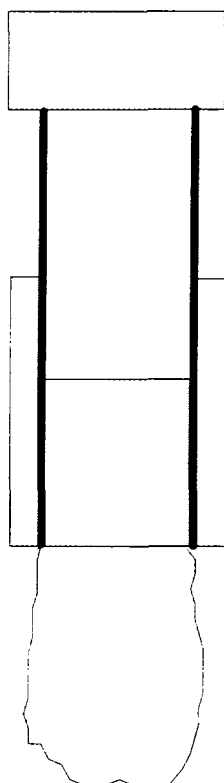
CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 02/24/76

CEMENT PLUG: 0' - 35'  
CEMENT RETAINER @ 270', PUMP 200 SXS BELOW & CAP WITH 15 SXS.  
8 5/8" CASING, SET W/30 SXS. TOC @ 360' (calc)



CEMENT PLUG: 800' - 950'

CUT 5 1/2" CASING @ 950'

CEMENT PLUG: 1500' - 1855'

5 1/2" CASING SET W/75 SXS. TOC @ 1570' (calc)

OPEN HOLE COMPLETION: 1855' - 1932'

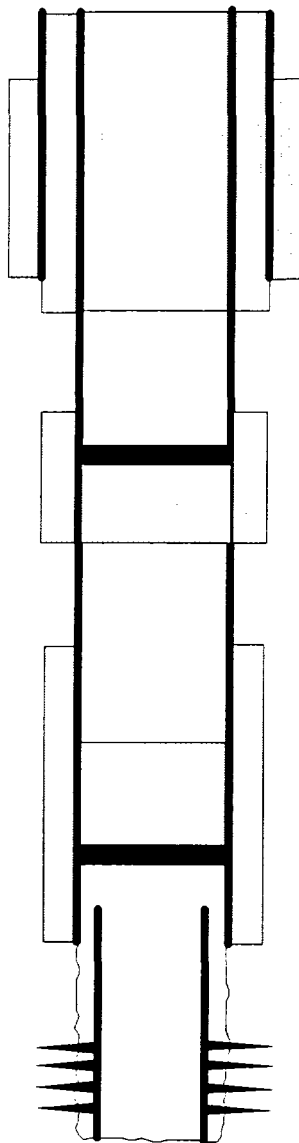
TD @ 1932'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #25			FIELD: GRAYBURG-JACKSON			
LOCATION: 990'FNL & 2310'FEL, SEC 19-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=UNK; KB=UNK; DF=3642'			SPUD DATE: 10/24/52		COMP DATE: 12/08/52	
API#: 30-015-05276		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 508'	8 5/8"	28#			10"
CASING:	0' - 1848'	7"	23#			8"
CASING:	1840' - 1915'	5 1/2"	14#			6"
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 08/07/94

CEMENT PLUG: 0' - 548'

8 5/8" CASING, SET W/50 SXS. TOC @ 270' (calc)  
PERFORATE 7" CASING @ 548'

CEMENT RETAINER @ 850', PUMP 125 SXS BELOW RETAINER.

PERFORATE 7" CASING @ 1175' & 1250'

CIBP @ 1817', CAP WITH 25 SXS.

7" CASING SET W/100 SXS. TOC @ 1040' (calc)

PERFORATIONS: 1872' - 1915' (W/140 QTS NITRO)

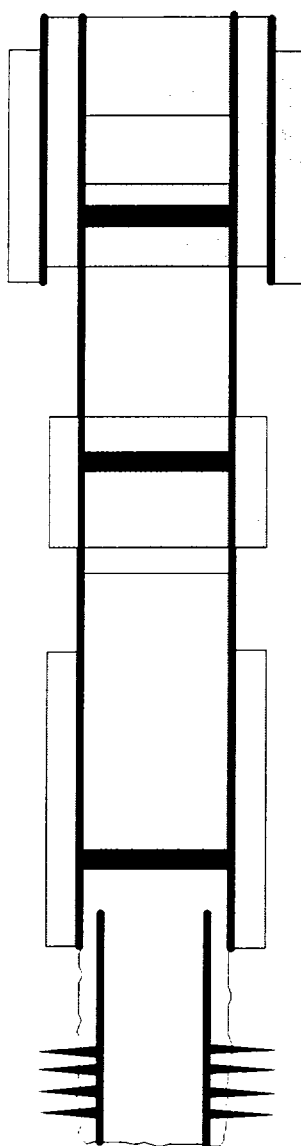
5 1/2" LINER LANDED (NOT CEMENTED)  
TD @ 1915'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "A" #26			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 660'FWL, SEC 19-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=UNK; KB=3730'			SPUD DATE: 02/15/53		COMP DATE: 03/16/53	
API#: 30-015-05277		PREPARED BY: C.H. CARLETON			DATE: 04/23/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 540'	8 5/8"	28#			10"
CASING:	0' - 1907'	7"	20,23#			8"
CASING:	1898' - 1971'	5 1/2"	14#			6"
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 08/15/86

CEMENT PLUG: 0' - 275'

CEMENT RETAINER @ 456', PUMP 125 SXS BELOW & CAP W/25' CMT.

PERFORATE 7" CASING @ 535'

8 5/8" CASING, SET W/50 SXS. TOC @ UNKNOWN

CEMENT RETAINER @ 1266', PUMP 150 SXS BELOW & CAP W/50' CMT.

PERFORATE 7" CASING @ 1350'

CIBP @ 1871', CAP WITH 110 SXS.

7" CASING SET W/100 SXS. TOC @ UNKNOWN

PERFORATIONS: 1930' - 1971' (W/175 QTS NITRO)

5 1/2" LINER LANDED (NOT CEMENTED)

TD @ 1971'



## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: TURNER "B" #13			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FWL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3628' ; KB=UNK			SPUD DATE: 05/28/44		COMP DATE: 08/13/44	
API#: 30-015-05285		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 534'	7"	20#			
CASING:	0' - 1891'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						

☒ CURRENT
☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 10/20/86**

PERFORATE & SQUEEZE @ 109' WITH 125 SXS. CEMENT TO SURFACE.  
 PERFORATE & SQUEEZE @ 530' WITH 300 SXS. TOC @ 326'  
 7" CASING, SET W/50 SXS. TOC @ 130' (calc)

CEMENT RETAINER @ 1198', PUMP 150 SXS BELOW & CAP W/62' CMT.

PERFORATE 5 1/2" CASING @ 1310'

CEMENT PLUG: 1688'- 1958'

5 1/2" CASING SET W/100 SXS. TOC @ 520' (calc)

TOP OF FISH @ 1958' (PARTED TUBING)

OPEN HOLE COMPLETION: 1891'- 2051'

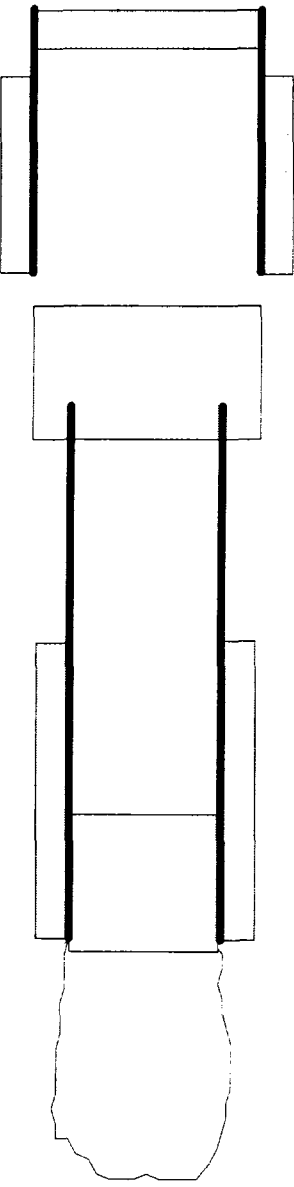
TD @ 2051'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

# VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC</b>						
WELL NAME: TURNER "B" #26			FIELD: GRAYBURG-JACKSON			
LOCATION: 1650'FSL & 330'FWL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3615'; KB=UNK			SPUD DATE: 10/15/47		COMP DATE: 01/02/48	
API#: 30-015-05294		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 536'	7"	20#			
CASING:	706' - 1932'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



The diagram shows a vertical wellbore. At the top, there is a section of 7" casing (0' to 536'). Below this is a section of 5 1/2" casing (706' to 1932'). The bottom of the well is an open hole completion from 1932' to 2010'. Cement plugs are indicated at 0'-50', 615'-785', and 1850'-1950'. The total depth (TD) is 2010'.

CURRENT
  PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 03/13/76**

CEMENT PLUG: 0'- 50'

7" CASING, SET W/50 SXS. TOC @ 130' (calc)

CEMENT PLUG: 615'- 785'

CUT 5 1/2" CASING @ 706'

CEMENT PLUG: 1850'- 1950'

5 1/2" CASING SET W/100 SXS. TOC @ 1140' (calc)

OPEN HOLE COMPLETION: 1932'- 2010'

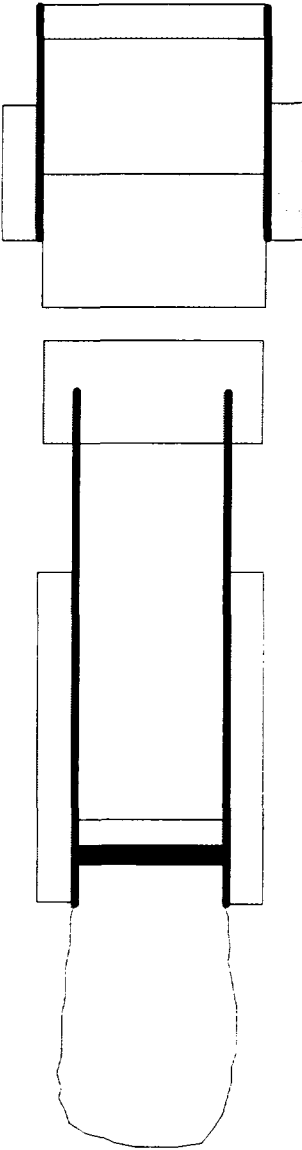
TD @ 2010'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TURNER "B" #27			FIELD: GRAYBURG-JACKSON			
LOCATION: 330'FSL & 330'FWL, SEC 20-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3613' ; KB=UNK			SPUD DATE: 10/22/47		COMP DATE: 12/31/47	
API#: 30-015-05295		PREPARED BY: C.H. CARLETON			DATE: 10/05/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 527'	8 1/4"	24#			
CASING:	850' - 1939'	5 1/2"	14#			
CASING:						
TUBING:						
TUBING:						



☒ CURRENT      ☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 03/11/76**

CEMENT PLUG: 0'- 35' W/10 SXS  
 CEMENT PLUG: 457'- 557' W/40 SXS  
 8 1/4" CASING, SET W/50 SXS. TOC @ 350' (calc)

CEMENT PLUG: 800'- 900' W/35 SXS  
 CUT 5 1/2" CASING @ 850'

CIBP @ 1850' & CAPPED WITH 10 SXS CEMENT  
 5 1/2" CASING SET W/100 SXS. TOC @ 1150' (calc)

OPEN HOLE COMPLETION: 1939'- 2034'

TD @ 2034'

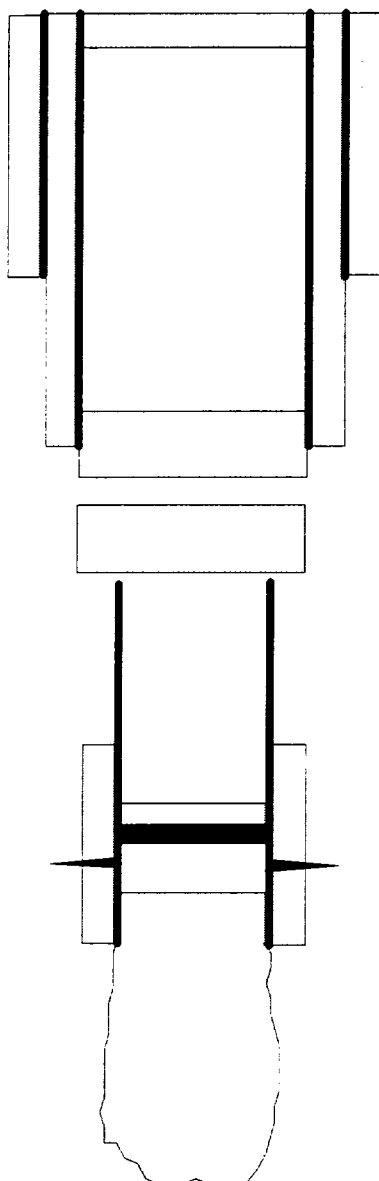
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #58	FIELD: GRAYBURG-JACKSON
LOCATION: 1650'FNL & 660'FWL, SEC 29-T17S-R31E	COUNTY: EDDY STATE: NM
ELEVATION: GL=3644'; KB=UNK	SPUD DATE: 07/27/59 COMP DATE: 01/07/60
API#: 30-015-05445	PREPARED BY: C.H. CARLETON DATE: 10/07/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 230'	13 3/8"	35.6#			17 1/2"
CASING:	0' - 3825'	9 5/8"	36.40#	J-55		12 1/4"
CASING:	5003' - 9900'	5 1/2"	17#	J-55		8 3/4"
TUBING:						
TUBING:						



☒ CURRENT

☐ PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 10/12/71

CEMENT PLUG: 0' - 30' W/10 SXS

13 3/8" CASING, SET W/300 SXS. TOC @ SURFACE

CEMENT PLUG: 3787' - 3863' W/35 SXS  
9 5/8" CASING, SET W/2508 SXS. TOC @ SURFACE

CEMENT PLUG: 4895' - 5000' W/35 SXS  
CUT 5 1/2" CASING @ 5003'

CIBP @ 9694' AND CAPPED WITH 20' CEMENT(3 SXS)  
PERFORATIONS 9759' - 9767' SQUEEZED W/200 SXS  
PBSD @ 9845'  
5 1/2" CASING SET W/150 SXS. TOC @ 9430' (TEMP SURVEY)

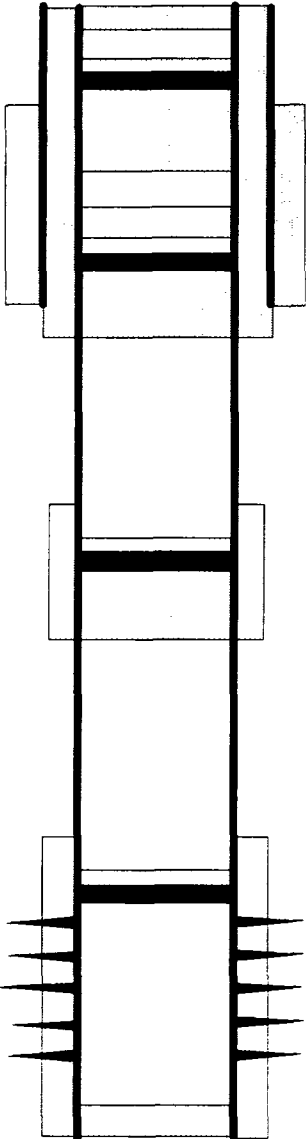
OPEN HOLE: 9900' - 13,714'

TD @ 13,714'

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: TURNER "B" #66			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 1980'FWL, SEC 29-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3747'; KB=UNK			SPUD DATE: 05/16/60		COMP DATE: 07/02/60	
API#: 30-015-04902		PREPARED BY: C.H. CARLETON			DATE: 12/16/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 717'	8 5/8"	24#			10"
CASING:	0' - 3706'	4 1/2"	9.5#	J-55		
CASING:						
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 06/14/96**  
 CEMENT PLUG: 0'- 60' W/30 SXS  
 CEMENT RETAINER @ 137', PUMP 100 SXS BELOW & CAP W/5 SXS  
 CEMENT PLUG: 586'- 621' W/10 SXS  
 CEMENT RETAINER @ 632', PUMP 100 SXS BELOW RETAINER  
 8 5/8" CASING, SET W/100 SXS. TOC @ 240'(calc)  
 PERFORATE 4 1/2" CASING @ 725'- 726'

CEMENT RETAINER @ 1495', PUMP 100 SXS BELOW & CAP W/10' CMT  
 PERFORATE 4 1/2" CASING @ 1595'- 1596'

CIPB @ 3212' & CAPPED WITH 35' CEMENT  
 PERFORATE: 3281'- 3678' (OA)

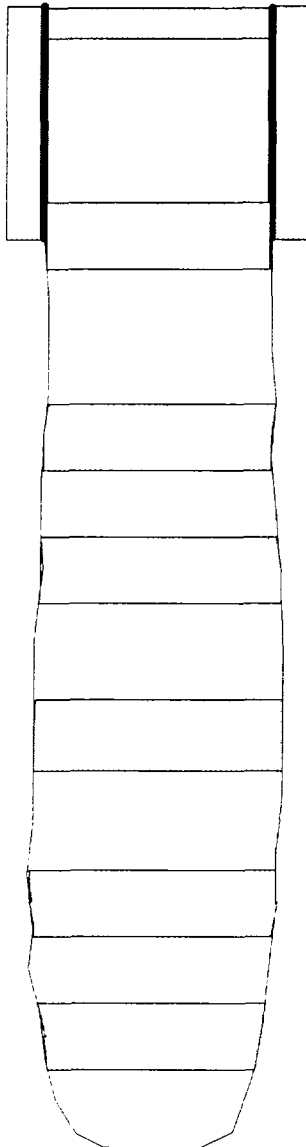
PBSD @ 3703'  
 4 1/2" CASING, SET W/125 SXS. TOC @ 3003'(Temp Survey)  
 TD @ 3706'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: TURNER "B" #75			FIELD: GRAYBURG-JACKSON			
LOCATION: 330'FNL & 660'FWL, SEC 29-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3626' ; KB=UNK			SPUD DATE: 11/06/60		COMP DATE: 01/10/61	
API#: 30-015-05457		PREPARED BY: C.H. CARLETON			DATE: 10/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 1608'	8 5/8"	24#	J-55		11"
CASING:						
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION  
DATE PLUGGED: 01/10/61 - DRY & ABANDONED

CEMENT PLUG: 0' - 50' W/15 SXS  
CEMENT PLUG: 1525' - 1625' W/40 SXS  
8 5/8" CASING, SET W/650 SXS. TOC @ SURFACE

NOTE: 7 7/8" OPEN HOLE 1608' - 9900'

CEMENT PLUG: 2140' - 2240' W/40 SXS

CEMENT PLUG: 2940' - 3140' W/80 SXS

CEMENT PLUG: 4525' - 4625' W/40 SXS

CEMENT PLUG: 7125' - 7225' W/40 SXS

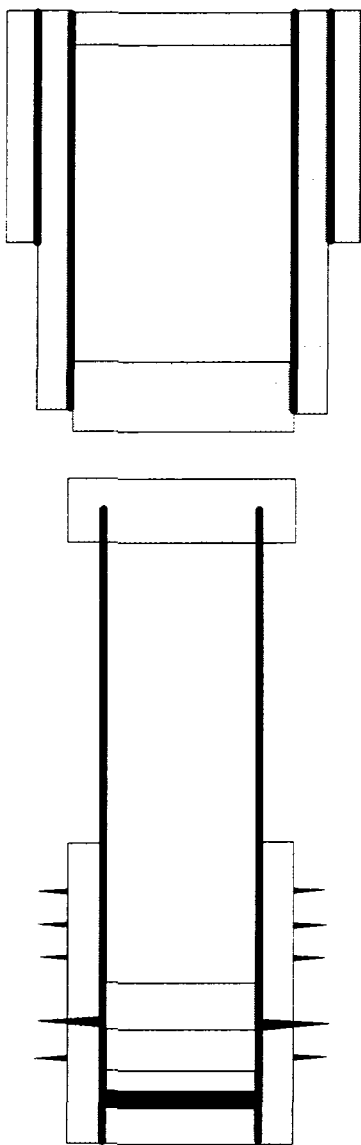
CEMENT PLUG: 8366' - 8466' W/40 SXS

TD @ 9900'

## VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: TURNER "B" #77			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FSL & 660'FWL, SEC 30-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3620'; KB=UNK			SPUD DATE: 04/01/61		COMP DATE: 06/20/61	
API#: 30-015-05476		PREPARED BY: C.H. CARLETON			DATE: 12/10/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 620'	13 3/8"				
CASING:	0' - 2950'	9 5/8"	36#	J-55		
CASING:	3719' - 11,475'	7"	26#	N-80		
TUBING:						
TUBING:						



☒ CURRENT
☐ PROPOSED

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 10/01/71**

CEMENT PLUG: 0' - 30' W/10 SXS  
13 3/8" CASING SET W/750 SXS. TOC @ SURFACE

CEMENT PLUG: 2910' - 2989' W/35 SXS  
9 5/8" CASING, SET W/1000 SXS. TOC @ SURFACE

CEMENT PLUG: 3689' - 3761' W/35 SXS  
CUT 7" CASING @ 3719'

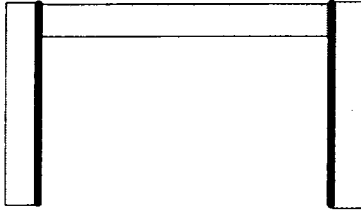
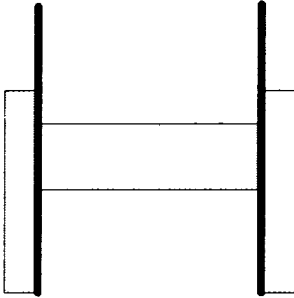
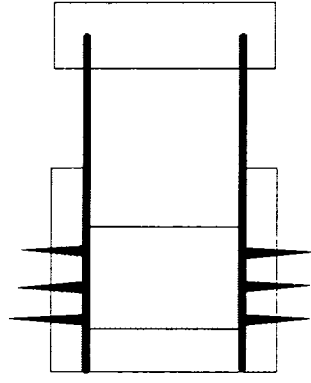
PERFORATE AND SQUEEZE 7850' W/200 SXS  
PERFORATIONS: 7924' - 7948'(OA) SQUEEZED W/200 SXS  
PERFORATE AND SQUEEZE 8054' W/620 SXS  
CEMENT PLUG: 9600' - 9736' W/30 SXS  
PERFORATIONS: 9722' - 9736' (OA)  
PERFORATIONS: 10,919' - 10,927'(OA) SQUEEZED W/250 SXS  
CIBP @ 11,048' & CAPPED W/4 SXS  
7" CASING SET W/500 SXS. TOC @ 8910' (TEMP SURVEY)  
TD @ 11,475'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: EL PASO STATE #1			FIELD: CEDAR LAKE			
LOCATION: 660'FNL & 660'FEL, SEC 36-T17S-R30E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3644'; KB=UNK			SPUD DATE: 11/21/60		COMP DATE: 02/17/61	
API#: 30-015-04454		PREPARED BY: C.H. CARLETON			DATE: 01/06/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 631'	13 3/8"	48#			17 1/2"
CASING:	1130' - 2950'	8 5/8"	32#			11"
CASING:	7526' - 11,861'	4 1/2"	11.6#			7 7/8"
TUBING:						
TUBING:						

☒ CURRENT      ☐ PROPOSED

**OPERATOR: ODESSA NATURAL CORPORATION**  
**DATE PLUGGED: 02/16/65**

CEMENT PLUG: 0' - 45' W/30 SXS  
 13 3/8" CASING SET W/600 SXS. TOC @ SURFACE (calc)

CUT 8 5/8" CASING @ 1130'

CEMENT PLUG: 1800' - 1900' W/25 SXS

8 5/8" CASING, SET W/500 SXS. TOC @ 1650' (calc)

CEMENT PLUG: 7500' - 7600' W/25 SXS  
 CUT 4 1/2" CASING @ 7526'

CEMENT PLUG: 10,360' - 11,460' W/75 SXS

PERFORATIONS: 11,357' - 11,460' (OA)

4 1/2" CASING SET W/900 SXS. TOC @ 9250' (calc)  
 TD @ 11,861'

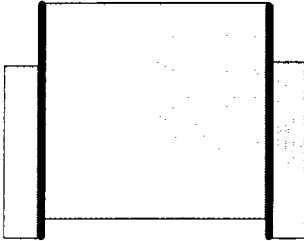

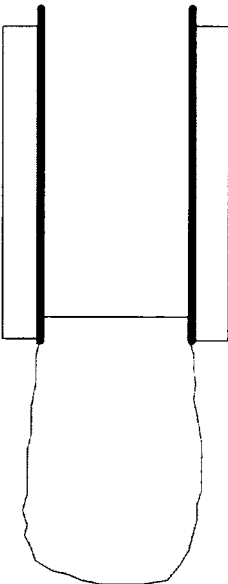
NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.



## VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: FRIESS #3			FIELD: GRAYBURG-JACKSON			
LOCATION: 335'FNL & 2970'FEL, SEC 30-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3579' ; KB=UNK			SPUD DATE: 04/06/47		COMP DATE: 04/21/47	
API#: 30-015-05467		PREPARED BY: C.H. CARLETON			DATE: 10/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 435'	8 5/8"				
CASING:	1550' - 1954'	5 1/2"				
CASING:						
TUBING:						
TUBING:						

☒ CURRENT
☐ PROPOSED

**OPERATOR: SCHUSTER & SCHUSTER**  
**DATE PLUGGED: 06/07/56**

CEMENT PLUG: 0' - 400'

8 5/8" CASING, SET W/50 SXS. TOC @ 200' (calc)

CEMENT PLUG: 1220' - 1250'

CUT 5 1/2" CASING @ 1550'

CEMENT PLUG: 1950' - 2033'

5 1/2" CASING SET W/100 SXS. TOC @ 1570' (calc)

OPEN HOLE COMPLETION: 1954' - 2033'

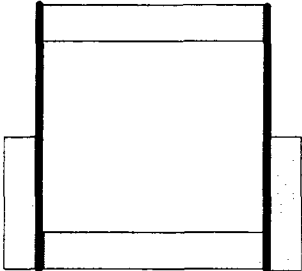
TD @ 2033'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: GULF-PREMIER FEDERAL #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 330°FNL & 990°FEL, SEC 31-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3669'; KB=UNK			SPUD DATE: 12/31/58		COMP DATE: 10/03/60	
API#: 30-015-05481		PREPARED BY: C.H. CARLETON			DATE: 10/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 608'	8 5/8"				10"
CASING:	2885' - 3525'	5 1/2"				
CASING:						
TUBING:						
TUBING:						

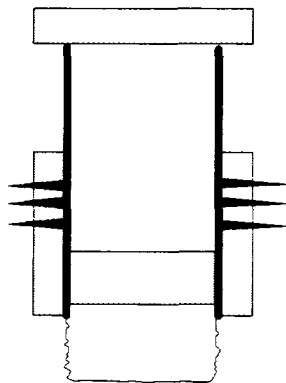


☒ CURRENT
☐ PROPOSED

**OPERATOR: JACK L. McCLELLAN**  
**DATE PLUGGED: 04/24/62**

CEMENT PLUG: 0'- 55' W/15 SXS  
 CEMENT PLUG: 553'- 608' W/15 SXS  
 8 5/8" CASING, SET W/50 SXS. TOC @ 370' (calc)



CEMENT PLUG: 2825'- 2885' W/15 SXS  
 CUT 5 1/2" CASING @ 2885'

PERFORATIONS: 3178'- 3217' (OA)

CEMENT PLUG: 3350'- 3500' W/15 SXS  
 5 1/2" CASING SET W/100 SXS. TOC @ 3140' (calc)

TD @ 3599'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50 % FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC						
WELL NAME: SIMON STATE #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 1650'FNL & 990'FEL, SEC 32-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3731' ; KB=UNK			SPUD DATE: 05/01/60		COMP DATE: 06/19/60	
API#: 30-015-05482		PREPARED BY: C.H. CARLETON			DATE: 01/06/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 620'	10 3/4"	32#			12 1/2"
CASING:						
CASING:						
TUBING:						
TUBING:						

☒ CURRENT      ☐ PROPOSED

**OPERATOR: ASHMUN & HILLIARD**  
**DATE PLUGGED: 06/20/60 - DRY & ABANDONED**

CEMENT PLUG: 0'- 50'  
 10 3/4" CASING, SET W/100 SXS. TOC @ 320'(calculated)

CEMENT PLUG: 750'- 800'

**NOTE: 10" OPEN HOLE 620'- 3815'**

CEMENT PLUG: 1660'- 1712'

CEMENT PLUG: 3765'- 3815'

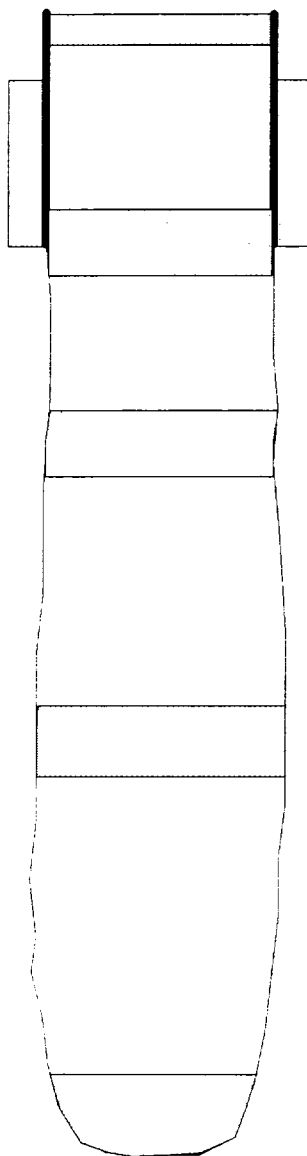
TD @ 3815'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

### DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: STAGNER #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 660'FNL & 1980'FWL, SEC 31-T17S-R31E			COUNTY: EDDY			STATE: NM
ELEVATION: GL=3702' ; KB=UNK			SPUD DATE: 06/21/44		COMP DATE: 12/31/44	
API#: 30-015-05480		PREPARED BY: C.H. CARLETON				DATE: 01/06/97
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 590'	8 5/8"	24#			
CASING:						
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: SCHUSTER - SCHUSTER

DATE PLUGGED: 09/28/48

CEMENT PLUG: 0' - 15' W/5 SXS

CEMENT PLUG: 570' - 600' W/10 SXS

8 5/8" CASING, SET W/UNKNOWN SXS. TOC @ UNKNOWN

NOTE: OPEN HOLE 590' - 3527'

CEMENT PLUG: 1470' - 1500' W/10 SXS

CEMENT PLUG: 2370' - 2400' W/10 SXS

CEMENT PLUG: 3482' - 3527' W/15 SXS

TD @ 3527'

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: STATE "M" #2			FIELD: GRAYBURG-JACKSON			
LOCATION: 330'FNL & 990'FEL, SEC 32-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3725' ; KB=UNK			SPUD DATE: 07/03/61		COMP DATE: 08/10/61	
API#: 30-015-05488		PREPARED BY: C.H. CARLETON			DATE: 10/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	32' - 681'	8 5/8"	24#			
CASING:						
CASING:						
TUBING:						
TUBING:						

**OPERATOR: JAMES G. BROWN & ASSOC.**  
**DATE PLUGGED: 08/10/61 - DRY & ABANDONED**

CEMENT PLUG: 0'- 32' W/10 SXS  
 CEMENT PLUG: 620'- 700' W/25 SXS  
 8 5/8" CASING, SET W/50 SXS. TOC @ 600' (calc)

**NOTE: 8" OPEN HOLE 681'- 3654'**

CEMENT PLUG: 1620'- 1700' W/25 SXS

CEMENT PLUG: 2420'- 2500' W/25 SXS

CEMENT PLUG: 3575'- 3654' W/25 SXS

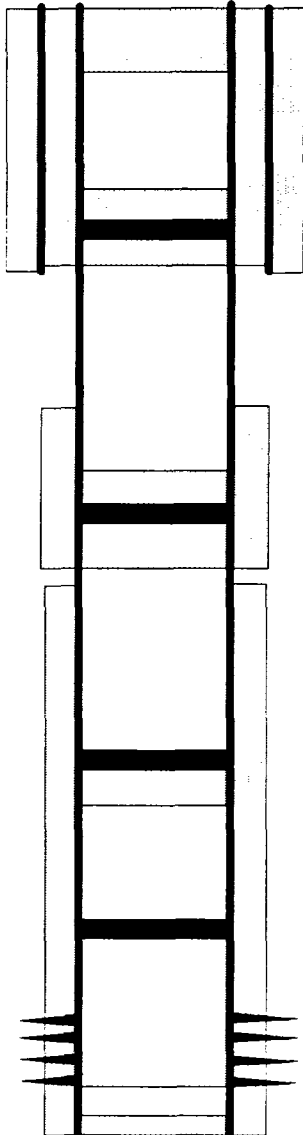
TD @ 3654'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION</b> <b>WELLBORE SCHEMATIC</b>						
WELL NAME: STATE "U" #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 330°FNL & 1980°FEL, SEC 32-T17S-R31E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3727'; KB=UNK			SPUD DATE: 11/10/59		COMP DATE: 01/12/60	
API#: 30-015-05484		PREPARED BY: C.H. CARLETON			DATE: 10/07/96	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 752'	8 5/8"				
CASING:	0' - 3810'	5 1/2"				
CASING:						
TUBING:						
TUBING:						



The diagram is a vertical cross-section of a wellbore. It shows two main casing sections: an upper section from 0' to 752' and a lower section from 0' to 3810'. The casing is represented by thick black lines. Between the casing sections, there are horizontal lines representing cement retainers. The bottom of the wellbore shows perforations indicated by multiple short, angled lines pointing outwards from the casing.

☒ CURRENT      ☐ PROPOSED

**OPERATOR: ARCO OIL & GAS, INC.**  
**DATE PLUGGED: 08/03/79**

CEMENT PLUG: 0' - 100' W/10 SXS  
 CEMENT RETAINER @ 654', PUMP 150 SXS BELOW & CAP W/100' CMT  
 PERFORATE 5 1/2" CASING @ 700'  
 8 5/8" CASING, SET W/391 SXS. TOC @ SURFACE

CEMENT RETAINER @ 1548', PUMP 102 SXS BELOW & CAP W/6 SXS  
 PERFORATE 5 1/2" CASING @ 1600'

CEMENT RETAINER @ 2622', PUMP 200 SXS BELOW RETAINER  
 PERFORATE 5 1/2" CASING @ 2700'

CEMENT RETAINER @ 3139', PUMP 85 SXS BELOW RETAINER

PERFORATIONS: 3467' - 3535' (OA)

5 1/2" CASING, SET W/150 SXS. TOC @ 3240' (calc)  
 TD @ 3810'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

## VI Wellbore Schematic of Plugged Wells:

<b>DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC</b>						
WELL NAME: TURNER "B" #1			FIELD: GRAYBURG-JACKSON			
LOCATION: 660°FSL & 1980°FEL, SEC 25-T17S-R30E			COUNTY: EDDY		STATE: NM	
ELEVATION: GL=3579'; KB=UNK			SPUD DATE: 10/18/41		COMP DATE: 07/01/42	
API#: 30-015-04325		PREPARED BY: C.H. CARLETON			DATE: 01/03/97	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	417' - 640'	8 5/8"				
CASING:	1958' - 3210'	5 1/2"				
CASING:						
TUBING:						
TUBING:						

**OPERATOR: DEVON ENERGY OPERATING CORPORATION**  
**DATE PLUGGED: 02/28/49**  
 SPOT CEMENT PLUG @ SURFACE, SXS OF CEMENT USED UNKNOWN.  
 CUT 8 5/8" CASING @ 417'  
 SPOT CEMENT PLUG @ 640', SXS OF CEMENT USED UNKNOWN.  
 8 5/8" CASING, SET W/50 SXS. TOC @ 400'(calc)

CUT 5 1/2" CASING @ 1958'

SPOT CEMENT PLUG @ 3210', SXS OF CEMENT USED UNKNOWN.  
 5 1/2" CASING SET W/100 SXS. TOC @ 2830'(calc)

OPEN HOLE COMPLETION: 3210'- 3545'

TD @ 3545'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

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

**VII Proposed Operation Data:**

- (1) Average daily injection rates - 500 BWPD  
Maximum daily injection rates - 600 BWPD
- (2) Type of injection system - closed system
- (3) Average injection pressure - 2000 psig  
Maximum injection pressures - 2500 psig
- (4) Injection water will be reinjected produced water, plus makeup water from the Keel West fresh water system.
- (5) N/A

**VIII Geological Data:**

The proposed injection zone is in the Grayburg/San Andres formation from 2650'-3750'. The Grayburg formation consists primarily of quartz sand with cementation. The San Andres formation consists primarily of dolomite with intermingled stringers of quartz sand with dolomite cementation.

Surface formation is Cretaceous and has no known source of drinking water. Additionally, there are no known underground sources of drinking water overlying or underlying the proposed injection interval.

**IX Stimulation Program:**

The proposed injection interval will be acidized with 15% NEFE acid prior to initial injection.

**X Well Logs:**

Copies of current well logs are on file with Oil Conservation Department.



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

**XI Chemical Analysis of Fresh Water:**

There are no known producing fresh water wells within one mile of a proposed injection well.

**XII Affirmative Statement of Open Faults:**

Upon examination of the available geologic and engineering data, no evidence of open faults or any other hydraulic connection between the disposal zone and any underground source of drinking water was found.

**XIII "Proof of Notice" and "Proof of Publication":**

The Bureau of Land Management is the surface owner. They have been notified by letter with a copy of our application.

Devon Energy Operating Corporation operates the Grayburg-Jackson Unit in sections 19, 29, & 30-T17S-R31E. Offset operators in the "area of review" are as follows:

- |   |   |
|---|---|
| (1) Burnett Oil Company, Inc.<br>801 Cherry Street, Suite 1500<br>Ft. Worth, TX 76102 | (2) Mack Energy Corporation<br>P.O. Box 960<br>Artesia, NM 88211-0960 |
| (3) Me-Tex Oil & Gas, Inc.<br>401 W. Taylor<br>Hobbs, NM 88240                        | (4) Mr. Jack Plemons<br>P.O. Box 3225<br>Carlsbad, NM 88221           |

Each of these operators were provided a letter by certified mail. Proof of notice is attached.

"Proof of Publication" from the Carlsbad Current-Argus is attached.

**devon**  
**ENERGY CORPORATION**

20 North Broadway, Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611  
FAX 405/552-4550

December 13, 1996

**Certified Mail P 619 404 345**

Burnett Oil Company, Inc.  
801 Cherry Street, Suite 1500  
Ft Worth, TX 76102


RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Sections 19, 29 & 30 - T17S - R31E  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to drill and complete three water injection wells, convert six producing and three P&A'd wells to water injection wells and restore injection to two shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

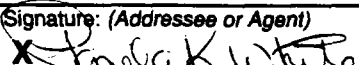
Please direct any questions regarding this matter to the undersigned at 405/552-4560.

Sincerely,  
Devon Energy Corporation

  
Randy Jackson  
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	<b>SENDER:</b> <ul style="list-style-type: none"><li>Complete items 1 and/or 2 for additional services.</li><li>Complete items 3, 4a, and 4b.</li><li>Print your name and address on the reverse of this form so that we can return this card to you.</li><li>Attach this form to the front of the mailpiece, or on the back if space does not permit.</li><li>Write "Return Receipt Requested" on the mailpiece below the article number.</li><li>The Return Receipt will show to whom the article was delivered and the date delivered.</li></ul>		I also wish to receive the following services (for an extra fee): <ul style="list-style-type: none"><li>1. <input type="checkbox"/> Addressee's Address</li><li>2. <input type="checkbox"/> Restricted Delivery</li></ul> Consult postmaster for fee.	
	3. Article Addressed to: <b>BURNETT OIL COMPANY, INC. 801 CHERRY STREET, SUITE 1500 FT WORTH, TX 76102</b>		4a. Article Number <b>P 619 404 345</b>	
			4b. Service Type <ul style="list-style-type: none"><li><input type="checkbox"/> Registered</li><li><input type="checkbox"/> Express Mail</li><li><input type="checkbox"/> Return Receipt for Merchandise</li><li><input checked="" type="checkbox"/> Certified</li><li><input type="checkbox"/> Insured</li><li><input type="checkbox"/> COD</li></ul>	
	5. Received By: (Print Name)		7. Date of Delivery <b>12-16-96</b>	
	6. Signature: (Addressee or Agent) 		8. Addressee's Address (Only if requested and fee is paid)	

# devon

**ENERGY CORPORATION**

20 North Broadway, Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611  
FAX 405/552-4550

December 13, 1996

Certified Mail P 619 404 346

Mack Energy Corporation  
P.O. Box 960  
Artesia, NM 88211-0960

RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Sections 19, 29 & 30 - T17S - R31E  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to drill and complete three water injection wells, convert six producing and three P&A'd wells to water injection wells and restore injection to two shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to the undersigned at 405/552-4560.

Sincerely,  
Devon Energy Corporation



Randy Jackson  
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	<b>SENDER:</b> <ul style="list-style-type: none"><li>■ Complete items 1 and/or 2 for additional services.</li><li>■ Complete items 3, 4a, and 4b.</li><li>■ Print your name and address on the reverse of this form so that we can return this card to you.</li><li>■ Attach this form to the front of the mailpiece, or on the back if space does not permit.</li><li>■ Write "Return Receipt Requested" on the mailpiece below the article number.</li><li>■ The Return Receipt will show to whom the article was delivered and the date delivered.</li></ul>		I also wish to receive the following services (for an extra fee):  1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery Consult postmaster for fee.	
	3. Article Addressed to: <b>MACK ENERGY CORPORATION</b> <b>P.O. BOX 960</b> <b>ARTESIA, NM 88211-0960</b>		4a. Article Number <b>P 619 404 346</b>	
			4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
	5. Received By: (Print Name) <b>Shannon Dik</b>		7. Date of Delivery <b>12-14-96</b>	
	6. Signature: (Addressee or Agent) <b>X Shannon Dik</b>		8. Addressee's Address (Only if requested and fee is paid)	

**devon**  
**ENERGY CORPORATION**

20 North Broadway, Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611  
FAX 405/552-4550

December 13, 1996

**Certified Mail P 619 404 347**

Me-Tex Oil & Gas, Inc.  
401 W. Taylor  
Hobbs, NM 88240

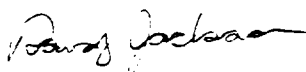
RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Sections 19, 29 & 30 - T17S - R31E  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to drill and complete three water injection wells, convert six producing and three P&A'd wells to water injection wells and restore injection to two shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

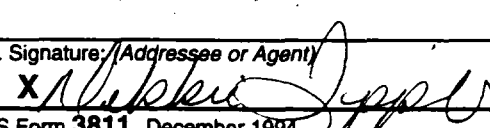
Please direct any questions regarding this matter to the undersigned at 405/552-4560.

Sincerely,  
Devon Energy Corporation

  
Randy Jackson  
District Engineer

/chc

xc: Well File

<b>SENDER:</b> <ul style="list-style-type: none"><li>■ Complete items 1 and/or 2 for additional services.</li><li>■ Complete items 3, 4a, and 4b.</li><li>■ Print your name and address on the reverse of this form so that we can return this card to you.</li><li>■ Attach this form to the front of the mailpiece, or on the back if space does not permit.</li><li>■ Write "Return Receipt Requested" on the mailpiece below the article number.</li><li>■ The Return Receipt will show to whom the article was delivered and the date delivered.</li></ul>		I also wish to receive the following services (for an extra fee): <ul style="list-style-type: none"><li>1. <input type="checkbox"/> Addressee's Address</li><li>2. <input type="checkbox"/> Restricted Delivery</li></ul> Consult postmaster for fee.	
3. Article Addressed to: <b>ME-TEX OIL &amp; GAS, INC.</b> <b>401 W. TAYLOR</b> <b>HOBBS, NM 88240</b>		4a. Article Number <b>P 619 404 347</b>	
		4b. Service Type <ul style="list-style-type: none"><li><input type="checkbox"/> Registered</li><li><input type="checkbox"/> Express Mail</li><li><input type="checkbox"/> Return Receipt for Merchandise</li><li><input checked="" type="checkbox"/> Certified</li><li><input type="checkbox"/> Insured</li><li><input type="checkbox"/> COD</li></ul>	
5. Received By: (Print Name)		7. Date of Delivery <b>12.17.96</b>	
6. Signature: (Addressee or Agent) 		8. Addressee's Address (Only if requested and fee is paid)	

PS Form 3811, December 1994

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

Domestic Return Receipt

# devon

ENERGY CORPORATION

20 North Broadway, Suite 1500  
Oklahoma City, Oklahoma 73102-8260

Telephone: 405/235-3611  
FAX 405/552-4550

December 13, 1996

Certified Mail P 619 404 348

Mr. Jack Plemons  
P.O. Box 3225  
Carlsbad, NM 88221

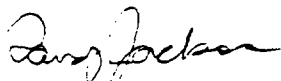
RE: Devon Energy Corporation  
Grayburg-Jackson Waterflood Project  
Sections 19, 29 & 30 - T17S - R31E  
Eddy County, NM

Gentlemen:

Please consider this letter as official notification that Devon Energy Corporation is in the process of filing applications to drill and complete three water injection wells, convert six producing and three P&A'd wells to water injection wells and restore injection to two shutin injectors in the above referenced sections. Our records indicate that you are an offset operator. As an offset operator you must be notified by Devon and you must file any objections or requests for hearings of administrative applications with the Oil Conservation Division of New Mexico within fifteen (15) days of receiving this notification.

Please direct any questions regarding this matter to the undersigned at 405/552-4560.

Sincerely,  
Devon Energy Corporation



Randy Jackson  
District Engineer

/chc

xc: Well File

Is your RETURN ADDRESS completed on the reverse side?	<b>SENDER:</b> <ul style="list-style-type: none"><li>Complete items 1 and/or 2 for additional services.</li><li>Complete items 3, 4a, and 4b.</li><li>Print your name and address on the reverse of this form so that we can return this card to you.</li><li>Attach this form to the front of the mailpiece, or on the back if space does not permit.</li><li>Write "Return Receipt Requested" on the mailpiece below the article number.</li><li>The Return Receipt will show to whom the article was delivered and the date delivered.</li></ul>		I also wish to receive the following services (for an extra fee): <ul style="list-style-type: none"><li>1. <input type="checkbox"/> Addressee's Address</li><li>2. <input type="checkbox"/> Restricted Delivery</li></ul> Consult postmaster for fee.	
	3. Article Addressed to: MR. JACK PLEMONS P.O. BOX 3225 CARLSBAD, NM 88221		4a. Article Number P 619 404 348	
	4b. Service Type <ul style="list-style-type: none"><li><input type="checkbox"/> Registered</li><li><input checked="" type="checkbox"/> Certified</li><li><input type="checkbox"/> Express Mail</li><li><input type="checkbox"/> Insured</li><li><input type="checkbox"/> Return Receipt for Merchandise</li><li><input type="checkbox"/> COD</li></ul>		Date of Delivery	
	5. Received By: (Print Name)		6. Addressee's Address (Only if requested and fee is paid)	
6. Signature: (Addressee or Agent) X <i>Chen &amp; Plemons</i>				

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

# Affidavit of Publication

Nº 17260

State of New Mexico,  
County of Eddy, ss.

Amy McKay,  
being first duly sworn, on oath says:

That she is Business Manager  
of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

December 18, 1996  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_  
\_\_\_\_\_, 19\_\_\_\_

That the cost of publication is \$ 26.87,  
and that payment thereof has been made and will  
be assessed as court costs.

Amy McKay

Subscribed and sworn to before me this

19<sup>th</sup> day of December, 1996

Notary Public

My commission expires 08/01/98  
Notary Public

**December 18, 1996**

Notice is hereby given that Devon Energy Operating Corporation is applying to the New Mexico Oil Conservation Division to drill and complete three water injection wells, convert six producing and three P&A'd wells to water injection and restore two shutin injection wells for secondary recovery purposes in:

Sections 19, 29 & 30 of T17S  
- R31E, Eddy County, NM

The intended purpose of these wells is to inject produced waters into the Grayburg/San Andres Formations to enhance oil production through secondary recovery. Maximum injection rates of 600 bwpd and a maximum pressure of 2500 psig are expected.

Interested parties must file objections or requests for hearing within 15 days to the following commission:

State of New Mexico  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87501

Randy Jackson  
District Engineer  
Devon Energy  
Operating Corporation  
20 North Broadway,  
Suite 1500  
Oklahoma City, OK 73102  
(405) 552-4560